Riduttori

serie C-A-F-S

Riduttori coassiali serie C

Riduttori ad assi ortogonali serie A

Riduttori pendolari serie F

Riduttori monostadio serie S

IE2-IE3

Forever Forward

Revisioni
L'indice di revisione del catalogo è riportato a pag. 572. Al sito www.bonfiglioli.com sono disponibili i cataloghi con le revisioni aggiornate.

INFORMAZIONI GENERALI

1 SIMBOLOGIA E UNITÀ DI MISURA

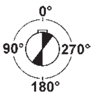
Simbolo	Unità di misura	Descrizione
$A_{N\ 1,2}$	[N]	Carico assiale nominale
f_s	–	Fattore di servizio
f_T	–	Fattore termico
f_{TP}	–	Fattore di temperatura
i	–	Rapporto di trasmissione
I	–	Rapporto di intermittenza
J_C	[Kgm²]	Momento di inerzia carico
J_M	[Kgm²]	Momento di inerzia motore
J_R	[Kgm²]	Momento di inerzia riduttore
K	–	Fattore di accelerazione delle masse
K_r	–	Costante di trasmissione
$M_{1,2}$	[Nm]	Coppia
$M_{c\ 1,2}$	[Nm]	Coppia di calcolo
$M_{n\ 1,2}$	[Nm]	Coppia nominale
$M_{r\ 1,2}$	[Nm]	Coppia richiesta

Simbolo	Unità di misura	Descrizione
$n_{1,2}$	[min^{-1}]	Velocità
$P_{1,2}$	[kW]	Potenza
$P_{N\ 1,2}$	[kW]	Potenza nominale
$P_{R\ 1,2}$	[kW]	Potenza richiesta
$R_{C\ 1,2}$	[N]	Carico radiale di calcolo
$R_{N\ 1,2}$	[N]	Carico radiale nominale
S	–	Fattore di sicurezza
t_a	[°C]	Temperatura ambiente
t_f	[min]	Tempo di funzionamento a carico costante
t_r	[min]	Tempo di riposo
η_d	–	Rendimento dinamico
η_s	–	Rendimento statico
φ	[']	Gioco angolare all'albero lento (ad albero veloce bloccato)

$_1$ valore riferito all'albero veloce

$_2$ valore riferito all'albero lento

Il simbolo identifica la pagina alla quale può essere reperita l'informazione.



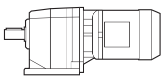
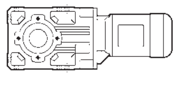
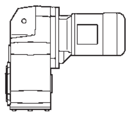
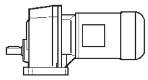
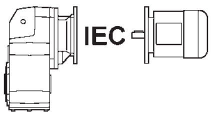
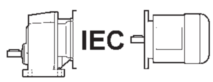
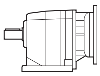
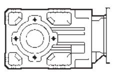
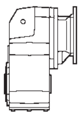
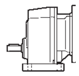
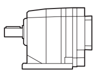
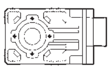
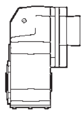
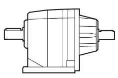
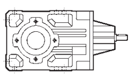
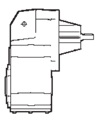
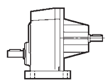
Questo simbolo riporta i riferimenti angolari per l'indicazione della direzione del carico radiale (l'albero è visto di fronte).

"Simbolo riferito al peso dei riduttori e dei motoriduttori.
I valori riportati nelle tabelle dei motoriduttori sono comprensivi sia del peso del motore a 4 poli sia del peso del lubrificante contenuto, qualora previsto da BONFIGLIOLI RIDUTTORI."

PERICOLO – ATTENZIONE
Il segnale indica situazioni di grave pericolo che, se trascurate, possono mettere seriamente a rischio la salute e la sicurezza delle persone.

IMPORTANTE
Il segnale indica informazioni tecniche di particolare importanza da non trascurare.

Riferimento alle apparecchiature conformi alla Direttiva "ATEX"

Serie C	Serie A	Serie F	Serie S	
				Motoriduttore con motore integrato.
 IEC	 IEC	 IEC	 IEC	Motoriduttore abbinato con motore a standard IEC.
 IEC	 IEC	 IEC	 IEC	Riduttore predisposto per abbinamento con motore a standard IEC.
 SERVO	 SERVO	 SERVO		Riduttore predisposto per accoppiamento a servomotore.
				Riduttore dotato di albero veloce cilindrico.

2 COPPIA

2.1 Coppia nominale M_{n2} [Nm]

È la coppia trasmissibile in uscita con carico continuo uniforme, riferita alla velocità in ingresso n_1 e a quella corrispondente in uscita n_2.
È calcolata in base ad un fattore di servizio $f_s = 1$.

2.2 Coppia richiesta M_{r2} [Nm]

Rappresenta la coppia richiesta dall'applicazione e dovrà sempre essere uguale o inferiore alla coppia in uscita nominale M_{n2} del riduttore scelto.

2.3 Coppia di calcolo M_{c2} [Nm]

È il valore di coppia da utilizzare per la selezione del riduttore considerando la coppia richiesta M_{r2} e il fattore di servizio f_s ed è dato dalla formula:

$$\boxed{M_{c2} = M_{r2} \cdot f_s < M_{n2}} \quad (1)$$

3 POTENZA

3.1 Potenza nominale in entrata P_{n1} [kW]

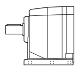
Nelle tabelle di selezione dei riduttori è la potenza applicabile in entrata riferita alla velocità n_1, considerando un fattore di servizio $f_s = 1$.

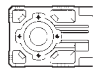
4 POTENZA TERMICA P_t [kW]

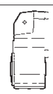
P_t è il valore che indica il limite termico del riduttore e rappresenta la potenza trasmissibile in servizio continuo, e alla temperatura ambiente t_a = 20 °C, senza che si producano danneggiamenti negli organi del riduttore o degradamenti del lubrificante. Vedi tab. (A1).
Nel caso di servizio intermittente, o di temperatura ambiente diversa da 20°C, il valore di P_t deve essere corretto per mezzo del fattore f_t , espresso dalla tabella (A2), ossia $P_t' = P_t \times f_t$

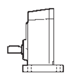
Infine, per riduttori con più di due riduzioni e/o con rapporto i > 45 la verifica della potenza termica non è necessaria in quanto quest'ultima è certamente superiore alla potenza meccanica trasmissibile.

(A 1)

	P_t [kW] 20 °C	
	n_1 = 1400 min^{-1}	n_1 = 2800 min^{-1}
C 05 2	—	—
C 12 2	—	—
C 22 2	—	—
C 32 2	—	4.5
C 36 2	6.5	5.0
C 41 2	8.0	6.0
C 51 2	11.0	7.8
C 61 2	14.0	10.0
C 70 2	21	16.0
C 80 2	32	24
C 90 2	43	32
C 100 2	59	42

	P_t [kW] 20 °C	
	n_1 = 1400 min^{-1}	n_1 = 2800 min^{-1}
A 05 2	3.2	2.4
A 10 2	4.8	4.0
A 20 2	6.0	5.4
A 30 2	8.0	6.6
A 35 2	9.5	8.2
A 41 2	11.5	9.6
A 50 2	20	18.0
A 55 2	21	18.0
A 60 2	27	23
A 70 3	31	26
A 80 3	44	39
A 90 3	64	57

	P_t [kW] 20 °C	
	n_1 = 1400 min^{-1}	n_1 = 2800 min^{-1}
F 10 2	3.8	2.7
F 20 2	9.1	6.5
F 25 2	10.2	7.4
F 31 2	11.7	8.5
F 41 2	14.3	10.4
F 51 2	21.5	15.0
F 60 3	26.0	18.9
F 70 3	36.4	26.0
F 80 3	52	36
F 90 3	75	53

	P_t [kW] 20 °C	
	n_1 = 1400 min^{-1}	n_1 = 2800 min^{-1}
S 10 1	5.5	4.9
S 20 1	7.8	7.2
S 30 1	10.0	9.1
S 40 1	15.6	14.3
S 50 1	21	18.9

(A 2)

f_t						
t_a [°C]	Servizio continuo	Servizio intermittente				
		Grado di intermittenza [I]				
		80%	**60%**	**40%**	**20%**
40	0.80	1.1	1.3	1.5	1.6
30	0.85	1.3	1.5	1.6	1.8
20	1.0	1.5	1.6	1.8	2.0
10	1.15	1.6	1.8	2.0	2.3

Il grado di intermittenza (I)% è dato dal rapporto fra il tempo di funzionamento a carico t_f e il tempo totale (t_f + t_r), espresso in percentuale.

$$I = \frac{t_f}{t_f + t_r} \cdot 100 \qquad (2)$$

La condizione da verificare è:

$$P_{r1} \leq P_t \ \times f_t \qquad (3)$$

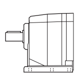
5 RENDIMENTO

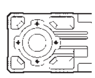
5.1 Rendimento dinamico η_d

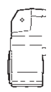
È dato dal rapporto fra la potenza in uscita P_2 e quella in entrata P_1 secondo la relazione:

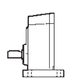
$$\eta_d = \frac{P_2}{P_1} \cdot 100 \qquad [\%] \qquad (4)$$

(A 3)

	2 x	3 x	4 x
η_d	95%	93%	90%

	2 x	3 x	4 x
η_d	94%	91%	89%

	2 x	3 x	4 x
η_d	95%	93%	90%

	1 x
η_d	98%

6 RAPPORTO DI RIDUZIONE i

Il valore del rapporto di riduzione della velocità, identificato con il simbolo [i], è espresso tramite il rapporto fra le velocità all'albero veloce e lento del riduttore e riassunto nell'espressione:

$$i = \frac{n_1}{n_2} \qquad (5)$$

Il rapporto di riduzione è solitamente un numero decimale che viene rappresentato nel catalogo con una sola cifra decimale, o nessuna nel caso di i > 1000.
Se si è interessati a conoscere il numero in tutte le componenti decimali consultare il capitoli "RAPPORTI ESATTI".

7 VELOCITÀ ANGOLARE

7.1 Velocità in entrata n_1 [min^{-1}]

È la velocità relativa al tipo di motorizzazione scelta; i valori di catalogo si riferiscono alle velocità dei motori elettrici comunemente usati a singola e doppia polarità.
Se il riduttore riceve il moto da una trasmissione in entrata, è sempre preferibile adottare velocità inferiori a 1400 min^{-1} al fine di garantire condizioni ottimali di funzionamento.
Velocità in entrata superiori sono ammesse considerando il naturale declassamento della coppia nominale M_{n2} del riduttore.

7.2 Velocità in uscita n_2 [min^{-1}]

È in funzione della velocità in entrata n_1 e del rapporto di riduzione i secondo la relazione:

$$n_2 = \frac{n_1}{i} \qquad (6)$$

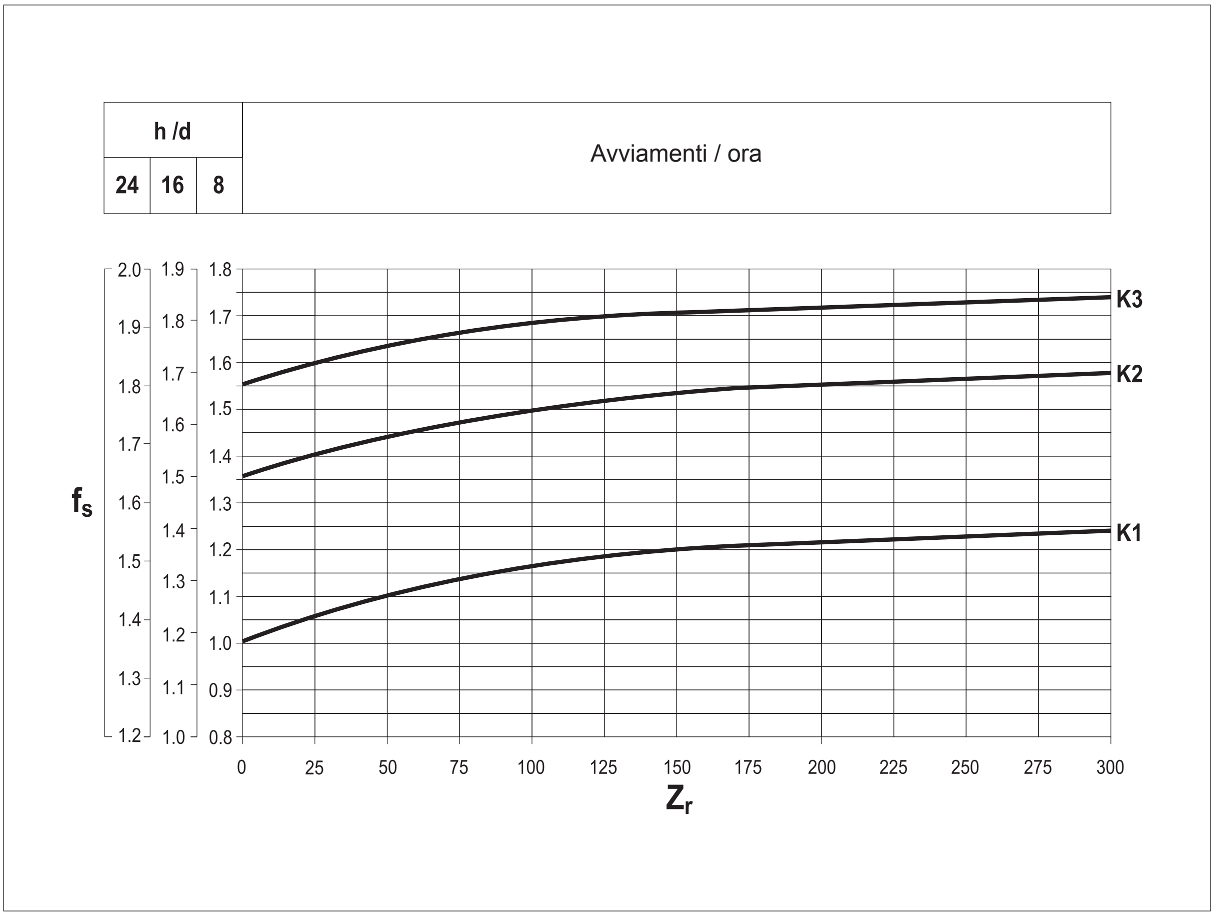
8 MOMENTO D'INERZIA J_r [Kgm^2]

I momenti d'inerzia indicati a catalogo sono riferiti all'asse di entrata del riduttore per cui, nel caso di accoppiamento diretto, sono già rapportati alla velocità del motore.

9 FATTORE DI SERVIZIO f_s

Il fattore di servizio è il parametro che traduce in un valore numerico la gravosità del servizio che il riduttore è chiamato a svolgere, tenendo conto, benché con inevitabile approssimazione, del funzionamento giornaliero, della variabilità del carico e di eventuali sovraccarichi, connessi con la specifica applicazione del riduttore.
Nel grafico (A4) più sotto riportato il fattore di servizio si ricava, dopo aver selezionato la colonna relativa alle ore di funzionamento giornaliere, per intersezione fra il numero di avviamenti orari e una fra le curve K1, K2 e K3.
Le curve K_ sono associate alla natura del servizio (approssimativamente: uniforme, medio e pesante) tramite il fattore di accelerazione delle masse K, legato al rapporto fra le inerzie delle masse condotte e del motore.
Indipendentemente dal valore così ricavato del fattore di servizio, segnaliamo che esistono applicazioni fra le quali, a puro titolo di esempio i sollevamenti, per le quali il cedimento di un organo del riduttore potrebbe esporre il personale che opera nelle immediate vicinanze a rischio di ferimento. Se esistono dubbi che l'applicazione possa presentare questa criticità vi invitiamo a consultare preventivamente il ns. Servizio Tecnico.

(A 4)



9.1 Fattore di accelerazione delle masse K

Il parametro serve a selezionare la curva relativa al particolare tipo di carico.
Il valore è dato dal rapporto:

(A 5)

$K = \frac{J_c}{J_m}$ →	J_c =	Momento d'inerzia delle masse comandate, riferito all'albero motore
	J_m =	Momento d'inerzia del motore

K ≤ 0,25	→ **K1**	Carico uniforme
0,25 < K ≤ 3	→ **K2**	Carico con urti moderati
3 < K ≤ 10	→ **K3**	Carico con forti urti
K > 10	→	Consultare il Servizio Tecnico di Bonfiglioli

10 MANUTENZIONE

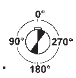
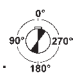
I riduttori forniti con lubrificazione permanente non necessitano di sostituzioni periodiche dell'olio.
Per gli altri si consiglia di effettuare una prima sostituzione del lubrificante dopo circa 300 ore di funzionamento provvedendo ad un accurato lavaggio interno del gruppo con adeguati detergenti.
Evitare di miscelare olii a base minerale con olii sintetici.
Controllare periodicamente il livello del lubrificante effettuando la sostituzione indicativamente agli intervalli riportati nella tabella (A6).

(A 6)

Temperatura olio [°C]	Intervallo di lubrificazione [h]	
	Olio minerale	Olio sintetico
< 65	8000	25000
65 - 80	4000	15000
80 - 95	2000	12500

Per selezionare correttamente un riduttore o un motoriduttore, è necessario disporre di alcuni dati fondamentali che sono sintetizzati nella tabella (A7).
In particolare, essa potrà essere compilata ed inviata in copia al ns. Servizio Tecnico che provvederà alla ricerca della motorizzazione più idonea alla applicazione indicata.

(A 7)

	Tipo di applicazione	
P_{r2}	Potenza in uscita a n_2 max	...................kW
P_{r2}’	Potenza in uscita a n_2 min	...................kW
M_{r2}	Momento torcente in uscita a n_2 max	...................Nm
n_2	Velocità di rotazione in uscita max	...................min^{-1}
n_2’	Velocità di rotazione in uscita min	...................min^{-1}
n_1	Velocità di rotazione in entrata max	...................min^{-1}
n_1’	Velocità di rotazione in entrata min	...................min^{-1}
R_{c2}	Carico radiale su albero in uscita	...................N
x_2	Distanza di applicazione del carico (*)	...................mm
	Orientamento del carico in uscita	.... 
	Senso di rotazione albero uscita (O-AO) (**)	....
R_{c1}	Carico radiale su albero in entrata	...................N
x_1	Distanza di applicazione del carico (*)	...................mm
	Orientamento del carico in entrata	.... 
	Senso di rotazione albero entrata (O-AO) (**)	....
A_{c2}	Carico assiale su albero in uscita (+/–)(***)	..................N

A_{c1}	Carico assiale su albero in entrata (+/–)(***)	..................N
J_c	Momento d’inerzia del carico	................Kgm²
t_a	Temperatura ambiente	..................C°
	Altitudine sul livello del mare	..................m
	Tipo di servizio in accordo a CEI	S........./......%
Z	Frequenza di avviamento	..................1/h
	Tensione di alimentazione motore	V
	Tensione di alimentazione freno	V
	Frequenza	..................Hz
M_b	Coppia frenante	..................Nm
	Grado di protezione motore	IP.................
	Classe di isolamento	....

(*) La distanza x_{1-2} è quella compresa fra il punto di applicazione della forza e la battuta dell’albero (se non indicata, si considererà la forza agente sulla mezzeria della sporgenza dell’albero).

(**) O = orario
AO = antiorario

(***) + = compressione
– = trazione

Per la selezione di riduttori Serie A in esecuzione Atex, consultare anche il capitolo specifico a pag. 312

11.1 Scelta dei motoriduttori

a) Determinare il fattore di servizio f_s in funzione del tipo di carico (fattore K), del numero di inserzioni/ora Z_r e del numero di ore di funzionamento.

b) Dalla coppia M_{r2}, conoscendo n_2 e il rendimento dinamico η_d, ricavare la potenza in entrata.

$$P_{r1} = \frac{M_{r2} \cdot n_2}{9550 \cdot \eta_d} \ [kW] \qquad (7)$$

Il valore di η_d per lo specifico riduttore pu□ essere ricavato dal paragrafo 5.

c) Ricercare fra le tabelle dei dati tecnici motoriduttori quella corrispondente ad una potenza normalizzata P_n tale che:

$$P_n \geq P_{r1} \qquad (8)$$

Se non diversamente indicato, la potenza P_n dei motori riportata a catalogo si riferisce al servizio continuo S1.
Per i motori utilizzati in condizioni diverse da S1, sarà necessario identificare il tipo di servizio previsto con riferimento alle Norme CEI 2-3/IEC 34-1.
In particolare, per i servizi da S2 a S8 e per le grandezze motore uguali o inferiori a 132, è possibile ottenere una maggiorazione della potenza rispetto a quella prevista per il servizio continuo, pertanto la condizione da soddisfare sarà:

$$P_n \geq \frac{P_{r1}}{f_m} \qquad (9)$$

Il fattore di maggiorazione f_m è ricavabile dalla tabella (A8).

11.2 Rapporto di intermittenza

$$I = \frac{t_f}{t_f + t_r} \ . \ 100 \qquad (10)$$

t_f = tempo di funzionamento a carico costante
t_r = tempo di riposo

(A 8)

	SERVIZIO						
	S2			**S3***			**S4 - S8**
	Durata del ciclo [min]			Rapporto di intermittenza (I)			Interpellare il Servizio Tecnico di Bonfiglioli Riduttori
	10	**30**	**60**	**25%**	**40%**	**60%**	
f_m	1.35	1.15	1.05	1.25	1.15	1.1	

* La durata del ciclo dovrà comunque essere uguale o inferiore a 10 minuti; se superiore interpellare il Servizio Tecnico di Bonfiglioli Riduttori.

Nella sezione relativa alla potenza installata $\mathbf{P_n}$ selezionare infine il motoriduttore che sviluppa la velocità di funzionamento più prossima alla velocità $\mathbf{n_2}$ desiderata e per il quale il fattore di sicurezza **S** sia uguale, o superiore, al fattore di servizio $\mathbf{f_s}$.

Il fattore di sicurezza è così definito:

$$S = \frac{M_{n2}}{M_2} = \frac{P_{n1}}{P_1} \quad (11)$$

Nelle tabelle di selezione motoriduttori gli abbinamenti sono sviluppati con motori a 2, 4 e 6 poli alimentati a 50 Hz.
Per velocità di comando diverse da queste, effettuare la selezione con riferimento ai dati nominali forniti per i riduttori.

11.3 Scelta dei riduttori e dei riduttori predisposti per motori IEC

a) Determinare il fattore di servizio f_s.

b) Conoscendo la coppia M_{r2} di uscita richiesta dalla applicazione, si procede alla definizione della coppia di calcolo:

$$M_{c2} = M_{r2} \cdot f_s \quad (12)$$

c) In base alla velocità in uscita n_2 richiesta, e a quella in entrata n_1 disponibile, si calcola il rapporto di riduzione:

$$i = \frac{n_1}{n_2} \quad (13)$$

Disponendo dei dati M_{c2} e i, si ricercherà nelle tabelle corrispondenti alla velocità n_1 il riduttore che, in funzione del rapporto [i] più prossimo a quello calcolato, proponga una coppia nominale:

$$\boxed{M_{n2} \geq M_{c2}} \quad (14)$$

Se al riduttore scelto dovrà essere applicato un motore elettrico verificarne l'applicabilità consultando il paragrafo "PREDISPOSIZIONI MOTORE".

12 VERIFICHE

Effettuata la selezione del riduttore, o motoriduttore, è opportuno procedere alle seguenti verifiche:

a) Potenza termica
Assicurarsi che la potenza termica del riduttore, abbia un valore uguale o maggiore alla potenza richiesta dall'applicazione secondo la relazione (3) a pag. 6, in caso contrario selezionare un riduttore di grandezza superiore oppure provvedere ad applicare un sistema di raffreddamento forzato.

b) Coppia massima
Generalmente la coppia massima (intesa come punta di carico istantaneo) applicabile al riduttore non deve superare il 200% della coppia nominale M_{n2}; verificare pertanto che tale limite non venga superato adottando, se necessario, opportuni dispositivi per la limitazione della coppia.
Per i motori trifase a doppia polarità è necessario rivolgere particolare attenzione alla coppia di commutazione istantanea che viene generata durante la commutazione dall'alta velocità alla bassa in quanto può essere decisamente più elevata della coppia massima stessa.
Un metodo semplice ed economico per ridurre tale coppia è quello di alimentare solo due fasi del motore durante la commutazione (il tempo di alimentazione a due fasi può essere regolato mediante un relè a tempo):

$M_{g2} = 0.5 \cdot M_{g3}$
M_{g2} = Coppia di commutazione alimentando 2 fasi
M_{g3} = Coppia di commutazione alimentando 3 fasi

Suggeriamo comunque di contattare il ns. Servizio Tecnico.

c) Carichi radiali
Verificare che i carichi radiali agenti sugli alberi di entrata e/o uscita rientrino nei valori di catalogo ammessi.
Se superiori, aumentare la grandezza del riduttore oppure modificare la supportazione del carico.
Ricordiamo che tutti i valori indicati nel catalogo si riferiscono a carichi agenti sulla mezzeria della sporgenza dell'albero in esame per cui, in fase di verifica, è indispensabile tenere conto di questa condizione provvedendo, se necessario, a determinare con le apposite formule il carico ammissibile alla distanza x_{1-2} desiderata.
A tale proposito si rimanda ai paragrafi relativi ai carichi radiali.

d) Carichi assiali
Anche gli eventuali carichi assiali dovranno essere confrontati con i valori ammissibili.
Se si è in presenza di carichi assiali molto elevati o combinati con carichi radiali, si consiglia di interpellare il ns. Servizio Tecnico.

e) Avviamenti orari
Per servizi diversi da S1, con un numero rilevante di inserzioni/ora si dovrà tener conto di un fattore Z (determinabile con le indicazioni riportate nel capitolo dei motori) il quale definisce il numero max. di avviamenti specifico per l'applicazione in oggetto.

13 INSTALLAZIONE

È molto importante, per l'installazione del riduttore, attenersi alle seguenti norme:

a) Assicurarsi che il fissaggio del riduttore, sia stabile onde evitare qualsiasi vibrazione. Installare (se si prevedono urti, sovraccarichi prolungati o possibili bloccaggi) giunti idraulici, frizioni, limitatori di coppia, ecc.

b) Durante la verniciatura si dovrànno proteggere i piani lavorati e il bordo esterno degli anelli di tenuta per evitare che la vernice ne essichi la gomma, pregiudicando la tenuta del paraolio stesso.

c) Gli organi che vanno calettati sugli alberi di uscita del riduttore devono essere lavorati con tolleranza ISO H7 per evitare accoppiamenti troppo bloccati che, in fase di montaggio potrebbero danneggiare irreparabilmente il riduttore stesso. Inoltre, per il montaggio e lo smontaggio di tali organi si consiglia l'uso di adeguati tiranti ed estrattori utilizzando il foro filettato posto in testa alle estremità degli alberi.

d) Le superfici di contatto dovranno essere pulite e trattate con adeguati protettivi prima del montaggio, onde evitare l'ossidazione e il conseguente bloccaggio delle parti.

e) Prima della messa in servizo del riduttore accertarsi che la macchina che lo incorpora sia in regola con le disposizioni della Direttiva Macchine 2006/42/CE e successivi aggiornamenti.

f) Prima della messa in funzione della macchina, accertarsi che la posizione del livello del lubrificante sia conforme alla posizione di montaggio del riduttore e che la viscosità sia adeguata (consultare il Manuale d'Uso e Manutenzione disponibile al sito www.bonfiglioli.com).

g) Nel caso di installazione all'aperto prevedere adeguate protezioni e/o carterature allo scopo di evitare l'esposizione diretta agli agenti atmosferici e alla radiazione solare.

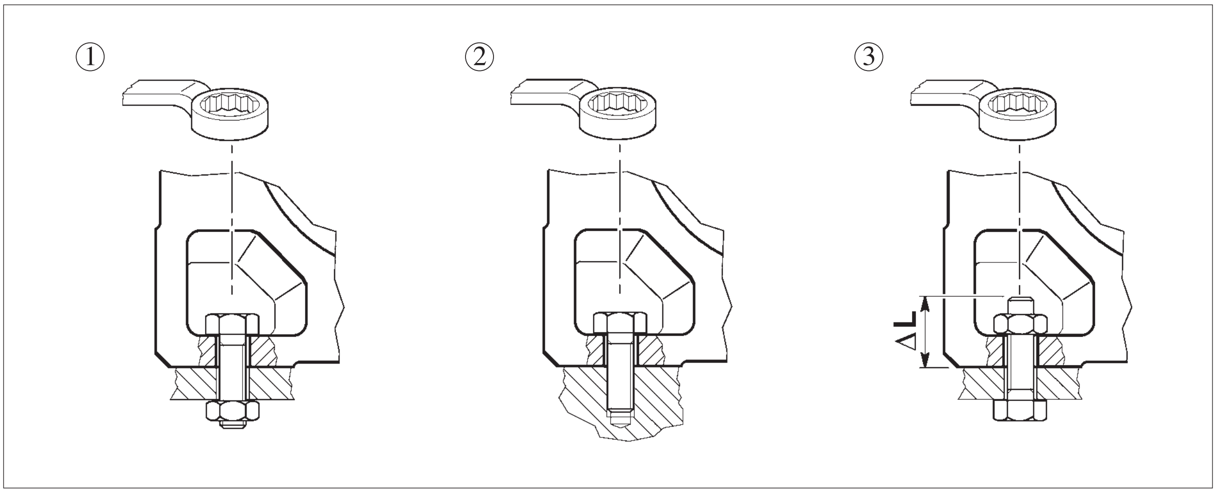
13.1 Assemblaggio del servomotore mediante morsetto calettatore (ingresso tipo SC)

Ruotare il morsetto di serraggio fino ad allineare il suo intaglio in corrispondenza di quelli che sono ricavati sull'albero di ingresso del riduttore.
Se l'albero motore è dotato di chiavetta, questa va rimossa e la relativa cava deve pure trovarsi allineata sullo stesso piano, disposta dalla stessa parte della vite del morsetto.
Dopo aver così orientato l'albero del motore, portare la flangia del motore a battuta sulla flangia del riduttore e serrare le relative viti di fissaggio. Inserire infine una chiave dinamometrica attraverso il foro ricavato sulla faccia laterale della flangia e serrare la vite del morsetto con la coppia specificata nelle tavole dimensionali.

14 ISTRUZIONI DI INSTALLAZIONE

Negli schemi indicati in tabella (A9) vengono riportati i 3 casi possibili per l'installazione dei riduttori tipo A sulla struttura della macchina da operare. Per ognuno di questi casi riportiamo nella tabella (A10) le dimensioni delle viti a testa esagonale da utilizzare. Inoltre, per una facile installazione, suggeriamo di utilizzare il tipo di chiave mostrato in tabella (A9).

(A 9)



(A 10)

	Tipo vite			
	①	②	③	ΔL (mm)
A 05	M8x22	M8x20	M8x ...	22
A 10	M8x25	M8x20	M8x …	20
A 20	M8x25	M8x20	M8x …	20
A 30	M10x30	M10x25	M10x …	25
A 35	M10x30	M10x25	M10x ...	25
A 41	M12x35	M12x30	M12x …	30

	Tipo vite			
	①	②	③	ΔL (mm)
A 50	M14x45	M14x40	M14x …	35
A 55	M14x40	M14x40	M14x ...	35
A 60	M16x50	M16x45	M16x …	40
A 70	M20x60	M20x55	M20x …	45
A 80	M24x70	M24x65	M24x …	55
A 90	M24x90	M24x80	M24x …	65

15 STOCCAGGIO

Il corretto stoccaggio dei prodotti ricevuti richiede l'esecuzione delle seguenti attività:

a) Escludere aree all'aperto, zone esposte alle intemperie o con eccessiva umidità.

b) Interporre sempre tra il pavimento ed i prodotti, pianali lignei o di altra natura, atti ad impedire il diretto contatto col suolo.

c) Per periodi di stoccaggio e soste prolungate le superfici interessate agli accoppiamenti quali flange, alberi e giunti devono essere protette con idoneo prodotto antiossidante (Mobilarma 248 o equivalente).

In questo caso i riduttori dovranno essere posizionati con il tappo di sfiato nella posizione più alta e riempiti interamente d'olio.
Prima della loro messa in servizio nei riduttori dovrà essere ripristinata la corretta quantità, e il tipo di lubrificante.

16 CONDIZIONI DI FORNITURA

I riduttori vengono forniti come segue:

a) già predisposti per essere installati nella posizione di montaggio come definito in fase di ordine;

b) collaudati secondo specifiche interne;

c) le superfici di accoppiamento non sono verniciate;

d) provvisti di dadi e bulloni per montaggio motori per la versione IEC;

e) dotati di protezioni in plastica sugli alberi;

f) provvisti di golfare di sollevamento (dove previsto).

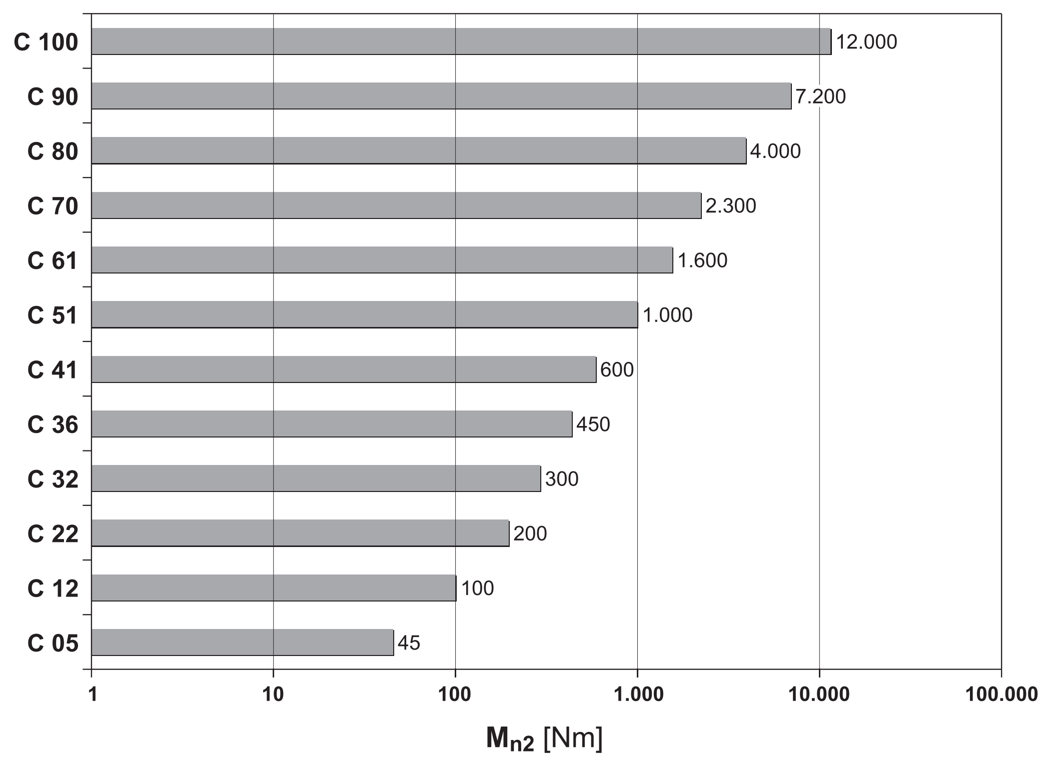
17 SPECIFICHE DELLA VERNICE

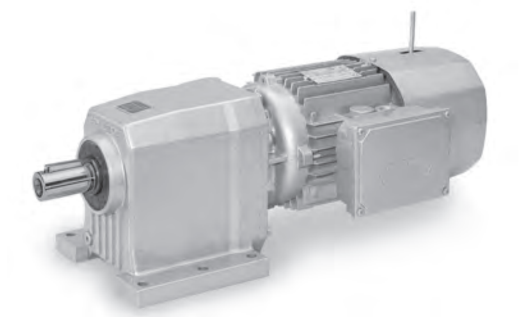
Le specifiche della vernice applicata sui riduttori (dove previsto) potranno essere richieste alle filiali o ai distributori che hanno fornito i gruppi.

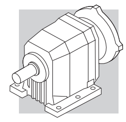
18 CARATTERISTICHE COSTRUTTIVE

Le caratteristiche costruttive salienti sono:
- modularità
- compattezza
- montaggi universali
- rendimenti elevati
- basso livello di rumorosità
- ingranaggi in acciaio legato cementati e temprati
- casse in alluminio non verniciate nelle grandezze 05, 12, 22, 32, casse in ghisa ad alta resistenza, verniciate, nelle altre grandezze
- alberi in entrata e uscita in acciaio ad alta resistenza.

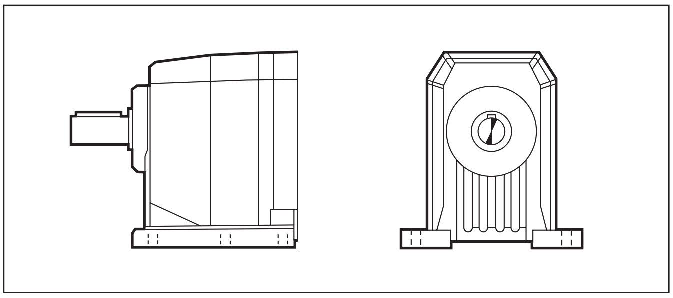
(B 11)







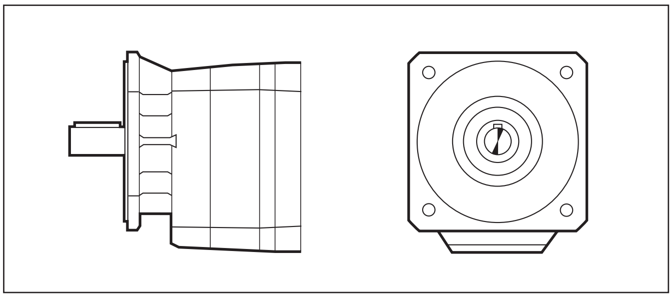
19 FORME COSTRUTTIVE



P

Piedi integrali

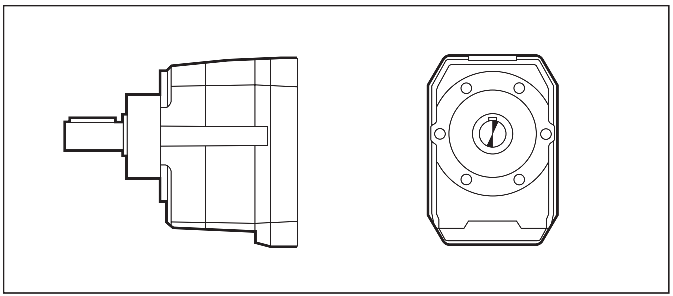
C 05 ... C 100



F

Flangia integrale

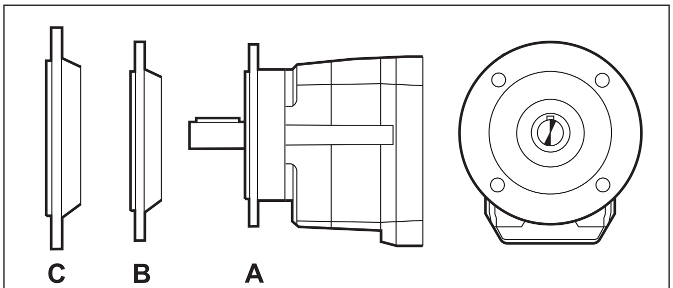
C 05 ... C 32 C 70 ... C 100



U

Cassa universale UNIBOX

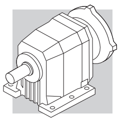
C 12 ... C 61



UF

UNIBOX flangia riportata

C 12 ... C 61



20 DESIGNAZIONE

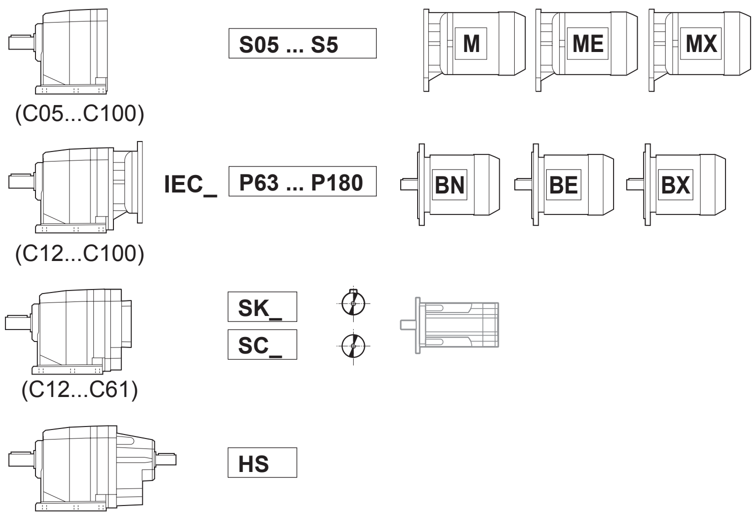
RIDUTTORE

C 32 2 F 52.4 S1 B5 .....

OPZIONI

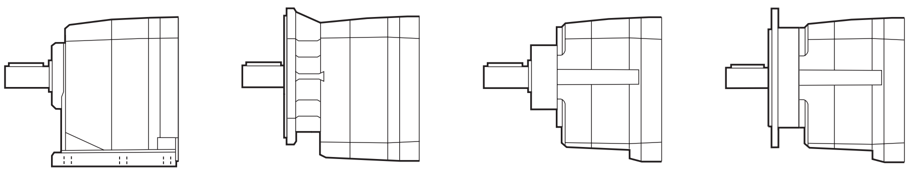
POSIZIONE DI MONTAGGIO
C...P: **B3** (Standard), B6, B7, B8, V5, V6
C...F/U/UF: **B5** (Standard), B51, B53, B52, V1, V3

DESIGNAZIONE INGRESSO



RAPPORTO DI RIDUZIONE

FORMA COSTRUTTIVA



P
(C05...C100)

F
(C05...C32)
(C70...C100)

U
(C12...C61)

UFA
UFB
UFC
(C12...C61)

STADI DI RIDUZIONE
2, **3**, **4**

GRANDEZZA RIDUTTORE
05, **12**, **22**, **32**, **36**, **41**, **51**, **61**, **70**, **80**, **90**, **100**

TIPO RIDUTTORE: **C** = riduttori coassiali

Bonfiglioli Riduttori

MOTORE | FRENO

M 1LA 4 230/400-50 IP54 CLF ..... **W FD** 7.5 R SB 220 SA .....

OPZIONI

ALIMENTAZIONE
FRENO

TIPO RADDRIZZATORE
AC/DC
NB, **SB**, **NBR**, **SBR**

LEVA DI SBLOCCO FRENO
R, **RM**

COPPIA FRENANTE

TIPO FRENO
FD (freno c.c.)
FA (freno c.a.)

POSIZIONE MORSETTIERA
W (default), **N**, **E**, **S**

FORMA COSTRUTTIVA
— (motore integrato)
B5 (motore IEC)

CLASSE ISOLAMENTO
CL F standard
CL H option

GRADO DI PROTEZIONE
IP55 standard (IP54 - motore autofrenante)

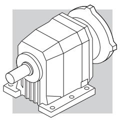
TENSIONE - FREQUENZA

NUMERO DI POLI
2, **4**, **6**, **2/4**, **2/6**, **2/8**, **2/12**, **4/6**, **4/8**

GRANDEZZA MOTORE
0B ... 5LA (motore integrato)
63A ... 280M (motore IEC)

TIPO MOTORE

MX = trifase integrato, classe IE3	**ME** = trifase integrato, classe IE2	**M** = trifase integrato
BX = trifase IEC, classe IE3	**BE** = trifase IEC, classe IE2	**BN** = trifase IEC



20.1 Opzioni riduttori

SO
I riduttori C05, C12, C22, C32, C36, C41, solitamente forniti con lubrificante da BONFIGLIOLI RIDUTTORI, sono forniti privi di lubrificante.

LO
I riduttori C51, C61, C70, C80, C90, C100 solitamente sprovvisti di lubrificante, sono richiesti con olio sintetico del tipo correntemente utilizzato da BONFIGLIOLI RIDUTTORI e riempiti in accordo alla posizione di montaggio richiesta.

DL
L'albero lento è dotato di doppio anello di tenuta.

DV
2 Anelli di tenuta sull'albero veloce. (Disponibile solo sui motoriduttori compatti).

VV
Anello di tenuta in fluoro-elastomero sull'albero veloce.

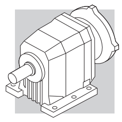
PV
Tutti gli anelli di tenuta in fluoro-elastomero.

RB
I riduttori tipo C12, C22, C32, C36, C41, C51 e C61 solitamente forniti con valori di gioco angolare standard, sono in questo caso forniti con valori di gioco angolare ridotti.
I valori corrispondenti del gioco angolare sono riportati nella tabella seguente.

(B 12)

		standard			**RB**	
C 05	i =	5.5 ; 9.3 ; 15.6 ; 27.1	6.7 ; 7.4 ; 11.2 ; 12.5 ; 18.9 ; 21.0 ; 32.8_44.7		—	
	φ [']	**34**	**29**			
C 12	i =	2.8_6.2	7.6_66.2		2.8_6.2	7.6_66.2
	φ [']	**55**	**29**		**—**	**13**
C 22	i =	2.7_6.1	7.1_261.0		2.7_6.1	7.1_261.0
	φ [']	**47**	**25**		**—**	**12**
C 32	i =	2.9_6.3	7.2_274.7		2.9_6.3	7.2_274.7
	φ [']	**39**	**21**		**—**	**11**
C 36	i =	2.7_5.8	6.8_19.0	22.1_848.5	2.7_5.8	6.8_848.5
	φ [']	**37**	**20**	**17**	**—**	**10**
C 41 2	i =	2.7_6.0	6.4_44.8	—	2.7_6.0	6.4_44.8
	φ [']	**34**	**17**		**—**	**9**
C 41 3/4	i =	**—**	**—**	28.5_855.5	**—**	28.5_855.5
	φ [']			**15**		**9**
C 51 2	i =	2.6_5.6	7.0_57.0	—	2.6_5.6	7.0_57.0
	φ [']	**32**	**15**		**—**	**8**
C 51 3/4	i =	**—**	**—**	21.8_884.9	**—**	21.8_884.9
	φ [']			**13**		**8**
C 61 2	i =	2.8_6.0	6.7_38.0	—	2.8_6.0	6.7_38.0
	φ [']	**27**	**13**		**12**	**7**
C 61 3/4	i =	**—**	**—**	26.8_796.1	**—**	26.8_796.1
	φ [']			**11**		**7**
C 70	i =	4.6_34.7	41.3_1476		—	
	φ [']	**18**	**20**			
C 80	i =	5.6_39.1	43.5_1481		—	
	φ [']	**16**	**18**			
C 90	i =	5.2_35.1	39.4_1240		—	
	φ [']	**16**	**18**			
C 100	i =	4.9_29.6	34.3_1081		—	
	φ [']	**14**	**16**			

Per la tempistica di fornitura contattare la rete di vendita Bonfiglioli



PROTEZIONE SUPERFICIALE

I riduttori, che laddove non viene richiesta una classe di protezione specifica, nelle zone verniciate (ferrose) rispettano come requisito minimo la classe di protezione C2 (UNI EN ISO 12944-2), sono forniti con protezione superficiale **C3** e **C4** per una migliore resistenza alla corrosione atmosferica, ottenute mediante verniciatura del gruppo completo.

(B 13)

PROTEZIONE SUPERFICIALE	Ambienti tipici	Temperatura superficiale max.	Classe di corrosività secondo UNI EN ISO 12944-2
C3	Ambienti urbani ed industriali, con umidità relativa dell'aria max.100% (inquinamento ambientale medio)	120°C	C3
C4	Aree industriali, zone costiere, impianti chimici, con umidità relativa dell'aria max.100% (inquinamento ambientale alto)	120°C	C4

I riduttori previsti con le protezioni opzionali **C3** e **C4** sono disponibili in diverse tinte.
Se non specificata nessuna tinta (vedere opzione "VERNICIATURA") la fornitura viene eseguita con la tinta RAL7042.
A richiesta sono fornibili riduttori per classe di corrosività **C5** secondo UNI EN ISO 12944-2, contattando il ns. Servizio tecnico-Commerciale.

VERNICIATURA

I riduttori previsti con le protezioni opzionali C3 e C4 sono disponibili in diverse tinte, secondo la tabella seguente.

(B 14)

VERNICIATURA	Colore	Catalogazione RAL
RAL7042*	Grigio traffico A	7042
RAL5010	Blu genziana	5010
RAL9005	Nero intenso	9005
RAL9006	Alluminio brillante	9006
RAL9010	Bianco puro	9010

* Colore di fornitura standard se non specificato diversamente

NOTA - L'opzione "VERNICIATURA" è configurabile esclusivamente in abbinamento con l'opzione "PROTEZIONE SUPERFICIALE".

PROVE DOCUMENTALI

AC - Attestato di conformità
Documento il cui rilascio attesta la conformità del prodotto all'ordinativo e la costruzione dello stesso in conformità alle procedure standard di processo e di controllo previste dal sistema di Qualità Bonfiglioli Riduttori.

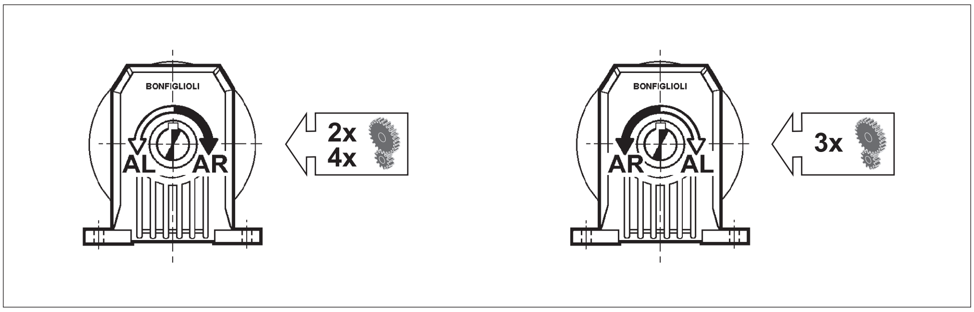
CC - Certificato di collaudo
La specifica comporta la conduzione di verifiche di conformità all'ordine, controlli visivi generali e verifiche strumentali delle dimensioni di accoppiamento. Sono inoltre condotti controlli generali di funzionamento a vuoto e verifiche della funzionalità delle guarnizioni di tenuta in modalità statica e in funzionamento. Il collaudo si applica ad un campione statistico del lotto di spedizione.

20.2 Opzioni motori

AA, AC, AD
Posizione angolare leva di sblocco freno rispetto alla posizione morsettiera visto lato ventola.
Posizione standard = 90° orari. AA = 0°, AC = 180°, AD = 90° antiorari.

AL, AR
Per i motoriduttori equipaggiati con motore integrale serie M o ME, è disponibile l'opzione antiretro collocata sul motore stesso e descritta nella sezione motori elettrici di questo catalogo. La tabella seguente mostra il senso di rotazione libera del riduttore in base alla quale dovrà essere effettuata la scelta dell'opzione.

(B 15)



CF
Filtro capacitivo.

D3
No. 3 sonde bimetalliche negli avvolgimenti con temperatura 150°C.

E3
No. 3 termistori negli avvolgimenti con temperatura 150°C.

F1
Volano per avviamento progressivo.

H1
Riscaldatori anticondensa. Alimentazione standard 1~ 230V ±10%.

PN
Potenza a 60 Hz corrispondente alla potenza normalizzata a 50 Hz.

PS
Doppia estremità d’albero (esclude opzione RC e U1).

RC
Tettuccio parapioggia (esclude opzione PS).

RV
Bilanciamento rotore in grado di vibrazione B.

TC
La variante del tettuccio tipo TC è da specificare quando il motore è installato in ambienti dell’industria tessile.
L’opzione esclude le varianti EN_ .

TP
Tropicalizzazione.

U1
Servoventilazione (esclude opzioni PS e CUS).

U2
Servoventilatore privo di scatola morsettiera, dotato di cavi precablati internamente. Esclude le opzioni PS e CUS. Disponibile per motori: BN 71, BE 80 ... BE 132, M1, ME2 ... ME4.

Per ulteriori informazioni sulle opzioni, consultare i relativi capitoli nella sezione motori elettrici.

21 LUBRIFICAZIONE

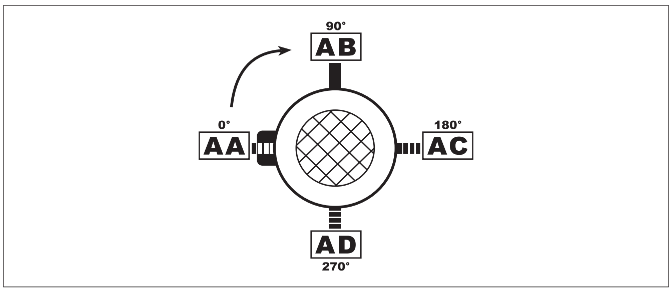
Gli organi interni dei riduttori Bonfiglioli sono lubrificati con un sistema misto di immersione e sbattimento dell’olio.
I gruppi C05, C12, C22, C32, C36 e C41 sono normalmente consegnati con carica di lubrificante dalla fabbrica, o dalla rete di vendita ufficiale.
I gruppi di grandezza C51 e superiori sono normalmente forniti privi di lubrificante, e sarà cura dell’utilizzatore riempirli di olio prima della messa in servizio.
In entrambi i casi, a seconda delle versioni, prima della messa in esercizio del riduttore potrebbe essere necessario sostituire il tappo chiuso usato per il trasporto con il tappo di sfiato fornito a corredo.
Per le tavole di riferimento della collocazione dei tappi di servizio e delle quantità di lubrificante, riferirsi al Manuale Uso e Manutenzione (disponibilie su www.bonfiglioli.com).
Il lubrificante “long life” fornito di serie è di natura sintetica e, a meno di contaminazione dall’esterno, non richiede sostituzioni periodiche per tutto l’arco di vita del riduttore.
Il funzionamento dei riduttori è ammesso per temperature ambiente comprese fra -20°C e +40°C. Per temperature ambiente comprese fra -20°C e -10°C l’avviamento del riduttore potrà avvenire solo dopo aver effettuato un pre-riscaldamento progressivo ed omogeneo del gruppo, oppure con funzionamento “a vuoto”, senza carico collegato.
Il carico potrà poi essere applicato all’albero del riduttore quando la temperatura dello stesso avrà raggiunto la temperatura di -10°C, o superiore.

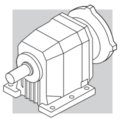
22 POSIZIONI DI MONTAGGIO E ORIENTAMENTO MORSETTIERA

Gli orientamenti delle morsettiere dei motori sono identificati osservando il motore dal lato ventola; l’orientamento standard è evidenziato in nero (W).

Posizione angolare leva di sblocco freno.
Nei motori autofrenanti, la leva di sblocco freno (se richiesta) ha l’orientamento standard a 90° rispetto alla morsettiera (posizione AB); specificare con relative opzioni qualora l’orientamento desiderato sia diverso.

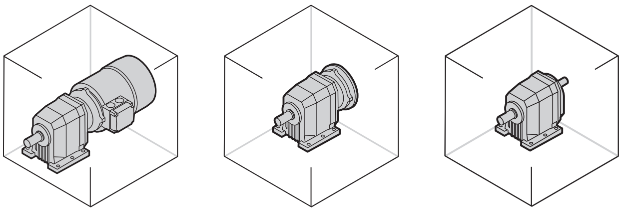
(B 16)



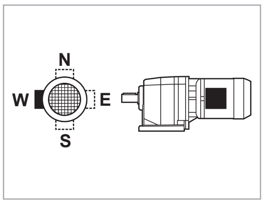


C ... P

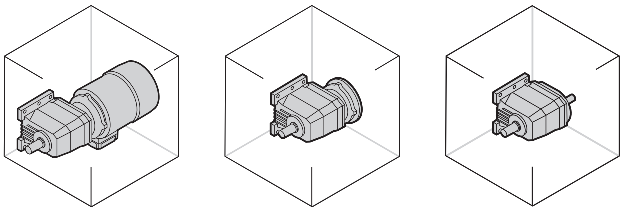
B3



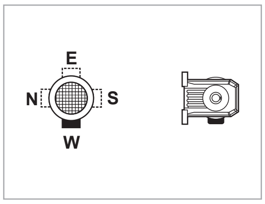
_S | _P(IEC) | _SK / _SC | _HS



B6



_S | _P(IEC) | _SK / _SC | _HS



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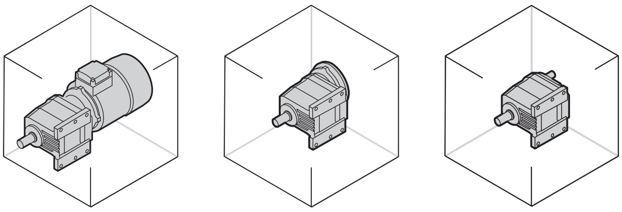
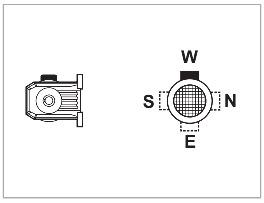


_S | _P(IEC) | _SK / _SC | _HS



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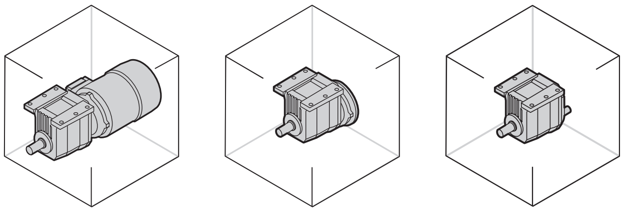
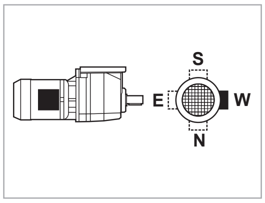
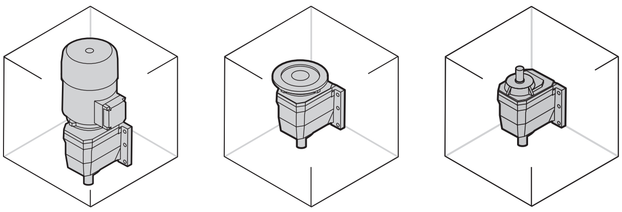


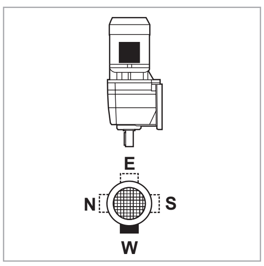
_S | _P(IEC) | _SK / _SC | _HS



V5



_S | _P(IEC) | _SK / _SC | _HS



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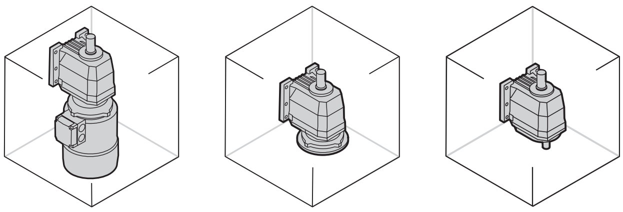
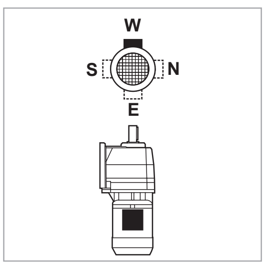


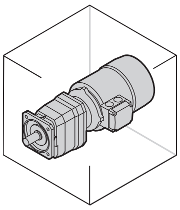
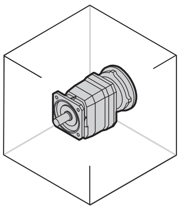
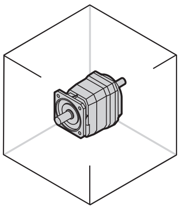
_S | _P(IEC) | _SK / _SC | _HS



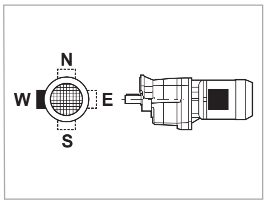
W = Default

C ... F C ... U C ... UF

B5

_S | _P(IEC) _SK / _SC | _HS



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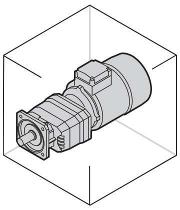
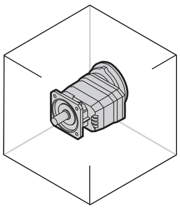
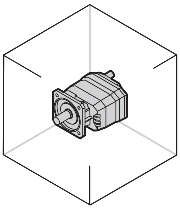
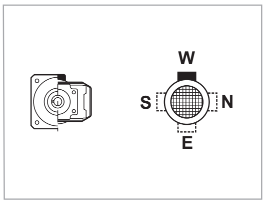
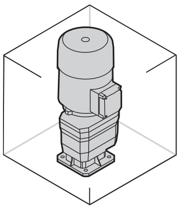
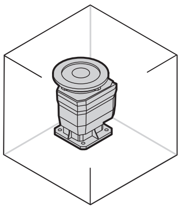
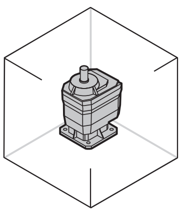




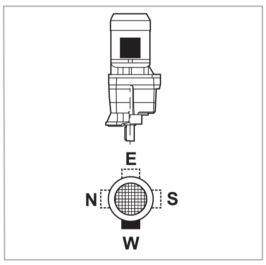
_S | _P(IEC) _SK / _SC | _HS



V1

_S | _P(IEC) _SK / _SC | _HS



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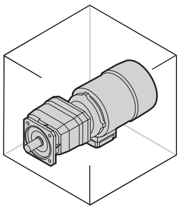
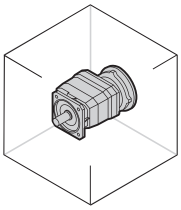
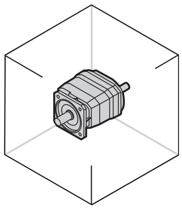
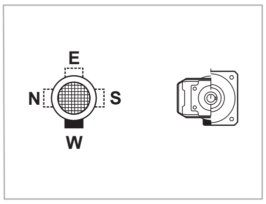




_S | _P(IEC) _SK / _SC | _HS



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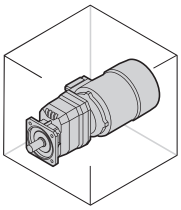
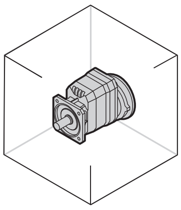
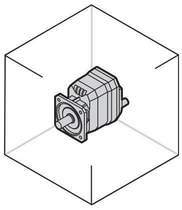
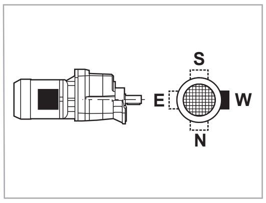




_S | _P(IEC) _SK / _SC | _HS



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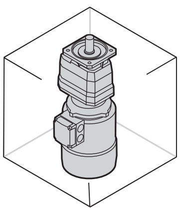
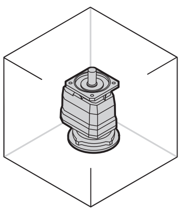
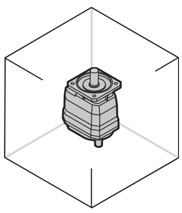

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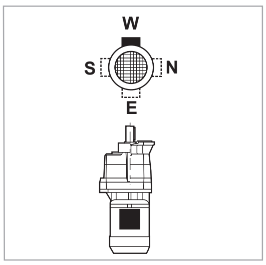


W = Default

23 CARICHI RADIALI

Organi di trasmissione calettati sugli alberi di ingresso e/o di uscita del riduttore generano forze la cui risultante agisce in senso radiale sull'albero stesso.
L'entità di questi carichi deve essere compatibile con la capacità di sopportazione del sistema albero-cuscinetti del riduttore, in particolare il valore assoluto del carico applicato (R_{c1} per albero di ingresso, R_{c2} per albero di uscita) deve essere inferiore al valore nominale (R_{n1} per albero di ingresso, R_{n2} per albero di uscita) riportato nelle tabelle dati tecnici.
Nelle formule che seguono l'indice (1) si riferisce a grandezze relative all'albero veloce, l'indice (2) all'albero lento.
Il carico generato da una trasmissione esterna può essere calcolato, con buona approssimazione, tramite la formula seguente:

$$R_{c1}\left[N\right] = \frac{2000 \cdot M_1\left[Nm\right] \cdot K_r}{d\left[mm\right]} \quad ; \quad R_{c2}\left[N\right] = \frac{2000 \cdot M_2\left[Nm\right] \cdot K_r}{d\left[mm\right]} \qquad (15)$$

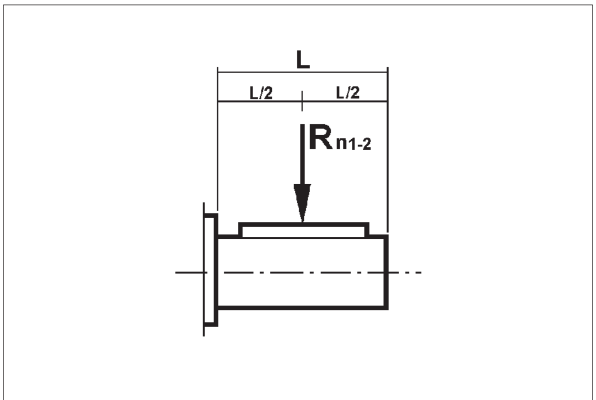
(B 17)

M_1 [Nm]	Coppia applicata all'albero veloce
M_2 [Nm]	Coppia erogata all'albero lento
d [mm]	Diametro primitivo dell'organo calettato sull'albero
K_r = 1	Trasmissione con catena

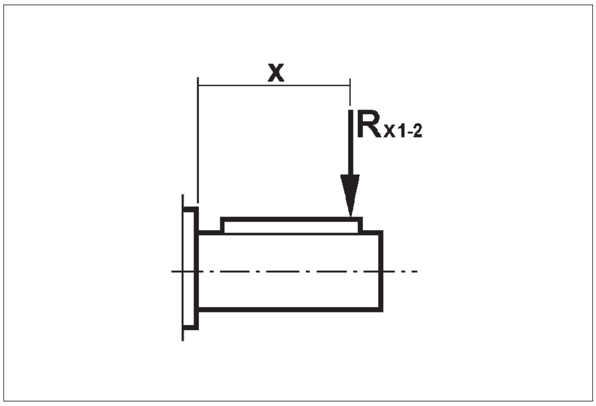
K_r = 1,25	Trasmissione con ingranaggio
K_r = 1,5	Trasmissione a cinghia trapezoidale
K_r = 2,0	Trasmissione a cinghia piatta

In base al punto di applicazione del carico sull'albero la verifica di compatibilità procederà in modi diversi e in particolare:

(B 18)



(B 19)



a) Applicazione in mezzeria, tab. (B18)

Il carico precedentemente calcolato si dovrà confrontare con il corrispondente valore nominale esposto a catalogo e dovrà verificarsi:

$R_{c1} \leq R_{n1}$ [albero veloce]

oppure

$R_{c2} \leq R_{n2}$ [albero lento]

b) Applicazione spostata dalla mezzeria, tab. (B19)

L'applicazione del carico ad una distanza "x" dalla battuta dell'albero comporta il ricalcolo del valore ammissibile a detta distanza.
Il nuovo valore è individuato con i simboli R_{x1} (ingresso) e R_{x2} (uscita) e si ricava dai valori di catalogo, rispettivamente R_{n1} e R_{n2}, tramite l'elaborazione del fattore:

$$\frac{a}{b+x} \qquad (16)$$

(B 20)

	Costanti del riduttore					
	Albero lento			Albero veloce		
	a	**b**	**c**	**a**	**b**	**c**
C 05 2	38	18	250	—	—	—
C 12 2	46	26	450	21	1	300
C 22 2	53	28	550	40	20	350
C 22 3	53	28	550	21	1	300
C 32 2	60.5	30.5	750	41.5	21.5	350
C 32 3	60.5	30.5	750	21	1	300
C 36 2 - C 36 3	69.5	34.5	800	51.5	26.5	450
C 36 4	69.5	34.5	800	21	1	300
C 41 2 - C 41 3	69.5	34.5	850	51.5	26.5	450
C 41 4	69.5	34.5	850	40	20	350
C 51 2 - C 51 3	76.5	36.5	900	51.5	26.5	450
C 51 4	76.5	36.5	900	41.5	21.5	350
C 61 2 - C 61 3	95.5	45.5	1000	57.5	27.5	450
C 61 4	95.5	45.5	1000	51.5	26.5	450
C 70 2 - C 70 3	114	54	1200	86	31	1000
C 70 4	114	54	1200	49.5	24.5	450
C 80 2 - C 80 3	131	61	1500	86	31	1000
C 80 4	131	61	1500	49.5	24.5	450
C 90 2 - C 90 3	161	76	2000	116	46	1400
C 90 4	161	76	2000	49.5	24.5	450
C 100 2 - C 100 3	163.5	58.5	2500	116	46	1400
C 100 4	163.5	58.5	2500	49.5	24.5	450

La procedura di verifica comporta passi successivi che sono qui descritti.

ALBERO VELOCE

1. Calcolo di:

$$R_{x1} = R_{n1} \cdot \frac{a}{b+x} \qquad (17)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \qquad (18)$$

Infine si dovrà verificare che:

$$R_{c1} \leq R_{x1} \qquad (19)$$

ALBERO LENTO

1. Calcolo di:

$$R_{x2} = R_{n2} \cdot \frac{a}{b+x} \qquad (20)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \qquad (21)$$

Infine si dovrà verificare che:

$$R_{c2} \leq R_{x2} \qquad (22)$$

24 CARICHI ASSIALI, A_{n1}, A_{n2}

I valori di carico assiale ammissibile sugli alberi veloce [A_{n1}] e lento [A_{n2}] si possono ricavare con riferimento al corrispondente valore di carico radiale [R_{n1}] e [R_{n2}] tramite le espressioni che seguono:

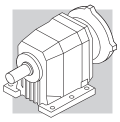
$$A_{n1} = R_{n1} \cdot 0.2$$
$$A_{n2} = R_{n2} \cdot 0.2 \qquad (23)$$

I valori di carico assiale ammissibile così calcolati si riferiscono al caso di forze assiali agenti contemporaneamente ai carichi radiali nominali.
Nel solo caso in cui il valore del carico radiale agente sull'albero del riduttore sia nullo, si può considerare il carico assiale ammissibile [A_n] pari al 50% del valore di carico radiale ammissibile [R_n] sullo stesso albero.
In presenza di carichi assiali eccedenti il valore ammissibile, o di forze assiali fortemente prevalenti sui carichi radiali, □ consigliabile contattare il Servizio Tecnico di Bonfiglioli Riduttori per una verifica puntuale.

La selezione dei motori senza freno tiene conto delle prescrizioni del Regolamento CE 640/2009 (si veda sezione **M** di questo catalogo). Per potenze nominali inferiori a 0.75kW, possono essere previsti i motori BN/M.
Il Regolamento CE 640/2009 non si applica ai motori autofrenanti, pertanto la selezione dei motori autofrenanti tiene conto dei motori BN/M, a prescindere dal valore della potenza nominale. I motori BX, BE, MX e ME autofrenanti sono disponibili a richiesta.

0.09 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
1.0	760	0.8	855.5	7000	**C414_855.5 S05 M05A6**	138	**C414_855.5 P63 BN63A6**	139
1.2	654	0.9	735.9	7000	**C414_735.9 S05 M05A6**	138	**C414_735.9 P63 BN63A6**	139
1.3	597	1.0	671.3	7000	**C414_671.3 S05 M05A6**	138	**C414_671.3 P63 BN63A6**	139
1.5	511	0.9	574.7	6500	**C364_574.7 S05 M05A6**	134	**C364_574.7 P63 BN63A6**	139
1.6	483	1.2	543.5	7000	**C414_543.5 S05 M05A6**	138	**C414_543.5 P63 BN63A6**	139
1.6	489	0.9	848.5	6500	**C364_848.5 S0 M0B4**	134		
1.8	434	1.0	754.2	6500	**C364_754.2 S0 M0B4**	134		
1.9	407	1.1	458.4	6500	**C364_458.4 S05 M05A6**	134	**C364_458.4 P63 BN63A6**	139
2.0	400	1.5	450.2	7000	**C414_450.2 S05 M05A6**	138	**C414_450.2 P63 BN63A6**	139
2.0	384	1.2	665.9	6500	**C364_665.9 S0 M0B4**	134		
2.3	331	1.4	574.7	6500	**C364_574.7 S0 M0B4**	134		
2.6	301	1.5	341.7	6500	**C364_341.7 S05 M05A6**	134	**C364_341.7 P63 BN63A6**	139
2.6	296	2.0	333.4	7000	**C414_333.4 S05 M05A6**	138	**C414_333.4 P63 BN63A6**	139
2.6	298	1.5	517.2	6500	**C364_517.2 S0 M0B4**	134		
2.9	264	1.7	458.4	6500	**C364_458.4 S0 M0B4**	134		
3.2	250	1.1	274.7	5500	**C323_274.7 S05 M05A6**	130	**C323_274.7 P63 BN63A6**	131
3.2	242	1.9	420.2	6500	**C364_420.2 S0 M0B4**	134		
3.6	218	2.1	377.9	6500	**C364_377.9 S0 M0B4**	134		
3.9	205	1.0	225.8	5000	**C223_225.8 S05 M05A6**	126	**C223_225.8 P63 BN63A6**	127
4.0	197	2.3	341.7	6500	**C364_341.7 S0 M0B4**	134		
4.1	196	1.5	215.6	5500	**C323_215.6 S05 M05A6**	130	**C323_215.6 P63 BN63A6**	131
4.2	184	2.4	318.9	6500	**C364_318.9 S0 M0B4**	134		
4.6	168	2.7	290.9	6500	**C364_290.9 S0 M0B4**	134		
4.9	162	1.2	178.5	5000	**C223_178.5 S05 M05A6**	126	**C223_178.5 P63 BN63A6**	127
4.9	163	1.6	274.7	5500	**C323_274.7 S0 M0B4**	130		
5.2	155	1.0	261.0	5000	**C223_261.0 S0 M0B4**	126		
5.3	147	3.1	255.0	6500	**C364_255.0 S0 M0B4**	134		
5.5	145	1.8	244.2	5500	**C323_244.2 S0 M0B4**	130		
5.8	138	1.5	151.7	5000	**C223_151.7 S05 M05A6**	126	**C223_151.7 P63 BN63A6**	127
5.9	135	2.2	148.4	5500	**C323_148.4 S05 M05A6**	130	**C323_148.4 P63 BN63A6**	131
6.0	134	1.4	225.8	5000	**C223_225.8 S0 M0B4**	126		
6.3	128	2.3	215.6	5500	**C323_215.6 S0 M0B4**	130		
6.7	119	1.6	200.7	5000	**C223_200.7 S0 M0B4**	126		
7.2	111	1.8	122.2	5000	**C223_122.2 S05 M05A6**	126	**C223_122.2 P63 BN63A6**	127
7.2	111	2.7	122.4	5500	**C323_122.4 S05 M05A6**	130	**C323_122.4 P63 BN63A6**	131
7.3	111	2.7	186.0	5500	**C323_186.0 S0 M0B4**	130		
7.6	106	1.9	178.5	5000	**C223_178.5 S0 M0B4**	126		
7.9	102	2.0	112.0	5000	**C223_112.0 S05 M05A6**	126	**C223_112.0 P63 BN63A6**	127
8.1	100	3.0	167.4	5500	**C323_167.4 S0 M0B4**	130		
8.8	91	2.2	100.2	5000	**C223_100.2 S05 M05A6**	126	**C223_100.2 P63 BN63A6**	127
8.9	90	2.2	151.7	5000	**C223_151.7 S0 M0B4**	126		
9.9	81	2.5	136.5	5000	**C223_136.5 S0 M0B4**	126		

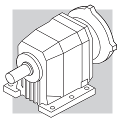


0.09 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
10.7	75	2.7	82.6	5000	**C223_82.6 S05 M05A6**	126	**C223_82.6 P63 BN63A6**	127
11.0	73	2.8	122.2	5000	**C223_122.2 S0 M0B4**	126		
12.1	67	3.0	112.0	5000	**C223_112.0 S0 M0B4**	126		
13.3	61	1.5	66.2	2000	**C122_66.2 S05 M05A6**	122	**C122_66.2 P63 BN63A6**	123
16.0	51	1.8	55.2	2000	**C122_55.2 S05 M05A6**	122	**C122_55.2 P63 BN63A6**	123
18.5	44	2.0	47.6	2000	**C122_47.6 S05 M05A6**	122	**C122_47.6 P63 BN63A6**	123
19.7	42	1.1	44.7	1170	**C052_44.7 S05 M05A6**	121		
20.4	40	2.2	66.2	2000	**C122_66.2 S0 M0B4**	122		
20.8	39	2.3	42.3	2000	**C122_42.3 S05 M05A6**	122	**C122_42.3 P63 BN63A6**	123
21.8	38	1.2	40.3	1150	**C052_40.3 S05 M05A6**	121		
23.8	34	2.6	37.0	2000	**C122_37.0 S05 M05A6**	122	**C122_37.0 P63 BN63A6**	123
24.2	34	1.3	36.4	1140	**C052_36.4 S05 M05A6**	121		
24.5	34	2.7	55.2	2000	**C122_55.2 S0 M0B4**	122		
26.8	31	1.5	32.8	1110	**C052_32.8 S05 M05A6**	121		
26.8	31	2.9	32.8	2000	**C122_32.8 S05 M05A6**	122	**C122_32.8 P63 BN63A6**	123
28.4	29	3.1	47.6	2000	**C122_47.6 S0 M0B4**	122		
30	27	1.7	44.7	1170	**C052_44.7 S0 M0B4**	121		
33	25	1.8	40.3	990	**C052_40.3 S0 M0B4**	121		
37	22	2.0	36.4	980	**C052_36.4 S0 M0B4**	121		
41	20	2.3	32.8	960	**C052_32.8 S0 M0B4**	121		
42	19	2.3	21.0	1020	**C052_21.0 S05 M05A6**	121		
50	16	2.7	27.1	930	**C052_27.1 S0 M0B4**	121		
56	15	3.1	15.6	950	**C052_15.6 S05 M05A6**	121		
66	12	6.5	13.4	2000	**C122_13.4 S05 M05A6**	122	**C122_13.4 P63 BN63A6**	123
71	12	3.9	12.5	900	**C052_12.5 S05 M05A6**	121		
74	11	7.0	11.9	2000	**C122_11.9 S05 M05A6**	122	**C122_11.9 P63 BN63A6**	123
78	10	4.3	11.2	880	**C052_11.2 S05 M05A6**	121		
88	9	7.7	10.1	2000	**C122_10.1 S05 M05A6**	122	**C122_10.1 P63 BN63A6**	123
95	9	5.2	9.3	830	**C052_9.3 S05 M05A6**	121		
100	8	8.4	8.8	2000	**C122_8.8 S05 M05A6**	122	**C122_8.8 P63 BN63A6**	123
119	7	6.5	7.4	780	**C052_7.4 S05 M05A6**	121		
132	6	7.3	6.7	760	**C052_6.7 S05 M05A6**	121		
146	6	10.9	6.2	1960	**C122_6.2 S05 M05A6**	122	**C122_6.2 P63 BN63A6**	123
157	5	11.1	5.6	1850	**C122_5.6 S05 M05A6**	122	**C122_5.6 P63 BN63A6**	123
159	5	8.8	5.5	720	**C052_5.5 S05 M05A6**	121		
187	4	12.6	4.9	1810	**C122_4.9 S05 M05A6**	122	**C122_4.9 P63 BN63A6**	123
205	4	13.0	4.3	1730	**C122_4.3 S05 M05A6**	122	**C122_4.3 P63 BN63A6**	123
249	3	15.0	3.7	1650	**C122_3.7 S05 M05A6**	122	**C122_3.7 P63 BN63A6**	123
275	3	15.4	3.2	1580	**C122_3.2 S05 M05A6**	122	**C122_3.2 P63 BN63A6**	123
329	2	17.3	2.8	1510	**C122_2.8 S05 M05A6**	122	**C122_2.8 P63 BN63A6**	123

0.12 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.98	1061	0.9	884.9	10000			**C514_884.9 P63 BN63B6**	143
1.2	860	1.2	717.7	10000			**C514_717.7 P63 BN63B6**	143
1.5	681	0.9	855.5	7000	**C414_855.5 S05 M05A4**	138	**C414_855.5 P63 BN63A4**	139
1.6	643	1.6	808.0	10000			**C514_808.0 P63 BN63A4**	143
1.7	621	1.0	780.4	7000	**C414_780.4 S05 M05A4**	138	**C414_780.4 P63 BN63A4**	139
1.8	586	1.0	735.9	7000	**C414_735.9 S05 M05A4**	138	**C414_735.9 P63 BN63A4**	139
2.0	534	1.1	671.3	7000	**C414_671.3 S05 M05A4**	138	**C414_671.3 P63 BN63A4**	139
2.0	509	0.9	665.9	6500	**C364_665.9 S05 M05A4**	134	**C364_665.9 P63 BN63A4**	139
2.2	474	1.3	595.8	7000	**C414_595.8 S05 M05A4**	138	**C414_595.8 P63 BN63A4**	139
2.3	440	1.0	574.7	6500	**C364_574.7 S05 M05A4**	134	**C364_574.7 P63 BN63A4**	139
2.4	433	1.4	543.5	7000	**C414_543.5 S05 M05A4**	138	**C414_543.5 P63 BN63A4**	139
2.6	396	1.1	517.2	6500	**C364_517.2 S05 M05A4**	134	**C364_517.2 P63 BN63A4**	139



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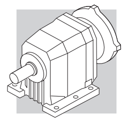
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
2.7	393	1.5	493.5	7000	**C414_493.5 S05 M05A4**	138	**C414_493.5 P63 BN63A4**	139
2.9	351	1.3	458.4	6500	**C364_458.4 S05 M05A4**	134	**C364_458.4 P63 BN63A4**	139
2.9	358	1.7	450.2	7000	**C414_450.2 S05 M05A4**	138	**C414_450.2 P63 BN63A4**	139
3.1	333	1.8	418.5	7000	**C414_418.5 S05 M05A4**	138	**C414_418.5 P63 BN63A4**	139
3.2	321	1.4	420.2	6500	**C364_420.2 S05 M05A4**	134	**C364_420.2 P63 BN63A4**	139
3.4	304	2.0	381.8	7000	**C414_381.8 S05 M05A4**	138	**C414_381.8 P63 BN63A4**	139
3.6	289	1.6	377.9	6500	**C364_377.9 S05 M05A4**	134	**C364_377.9 P63 BN63A4**	139
3.9	265	2.3	333.4	7000	**C414_333.4 S05 M05A4**	138	**C414_333.4 P63 BN63A4**	139
4.0	261	1.7	341.7	6500	**C364_341.7 S05 M05A4**	134	**C364_341.7 P63 BN63A4**	139
4.2	244	1.8	318.9	6500	**C364_318.9 S05 M05A4**	134	**C364_318.9 P63 BN63A4**	139
4.3	242	2.5	304.2	7000	**C414_304.2 S05 M05A4**	138	**C414_304.2 P63 BN63A4**	139
4.6	223	2.0	290.9	6500	**C364_290.9 S05 M05A4**	134	**C364_290.9 P63 BN63A4**	139
4.9	219	0.9	178.5	5000	**C223_178.5 S05 M05B6**	126	**C223_178.5 P63 BN63B6**	127
4.9	217	1.2	274.7	5500	**C323_274.7 S05 M05A4**	130	**C323_274.7 P63 BN63A4**	131
5.0	209	2.9	263.0	7000	**C414_263.0 S05 M05A4**	138	**C414_263.0 P63 BN63A4**	139
5.3	195	2.3	255.0	6500	**C364_255.0 S05 M05A4**	134	**C364_255.0 P63 BN63A4**	139
5.5	193	1.3	244.2	5500	**C323_244.2 S05 M05A4**	130	**C323_244.2 P63 BN63A4**	131
5.8	177	2.5	230.9	6500	**C364_230.9 S05 M05A4**	134	**C364_230.9 P63 BN63A4**	139
6.0	178	1.0	225.8	5000	**C223_225.8 S05 M05A4**	126	**C223_225.8 P63 BN63A4**	127
6.3	170	1.8	215.6	5500	**C323_215.6 S05 M05A4**	130	**C323_215.6 P63 BN63A4**	131
6.5	163	2.8	206.4	6500	**C363_206.4 S05 M05A4**	134	**C363_206.4 P63 BN63A4**	135
6.7	159	1.2	200.7	5000	**C223_200.7 S05 M05A4**	126	**C223_200.7 P63 BN63A4**	127
7.3	147	2.0	186.0	5500	**C323_186.0 S05 M05A4**	130	**C323_186.0 P63 BN63A4**	131
7.4	145	3.1	183.5	6500	**C363_183.5 S05 M05A4**	134	**C363_183.5 P63 BN63A4**	135
7.6	141	1.4	178.5	5000	**C223_178.5 S05 M05A4**	126	**C223_178.5 P63 BN63A4**	127
8.1	132	2.3	167.4	5500	**C323_167.4 S05 M05A4**	130	**C323_167.4 P63 BN63A4**	131
8.9	120	1.7	151.7	5000	**C223_151.7 S05 M05A4**	126	**C223_151.7 P63 BN63A4**	127
9.1	117	2.6	148.4	5500	**C323_148.4 S05 M05A4**	130	**C323_148.4 P63 BN63A4**	131
9.9	108	1.9	136.5	5000	**C223_136.5 S05 M05A4**	126	**C223_136.5 P63 BN63A4**	127
9.9	108	2.8	136.0	5500	**C323_136.0 S05 M05A4**	130	**C323_136.0 P63 BN63A4**	131
11.0	97	3.1	122.4	5500	**C323_122.4 S05 M05A4**	130	**C323_122.4 P63 BN63A4**	131
11.0	97	2.1	122.2	5000	**C223_122.2 S05 M05A4**	126	**C223_122.2 P63 BN63A4**	127
12.1	89	2.3	112.0	5000	**C223_112.0 S05 M05A4**	126	**C223_112.0 P63 BN63A4**	127
13.5	79	2.5	100.2	5000	**C223_100.2 S05 M05A4**	126	**C223_100.2 P63 BN63A4**	127
15.3	70	2.9	88.5	5000	**C223_88.5 S05 M05A4**	126	**C223_88.5 P63 BN63A4**	127
16.3	65	3.1	82.6	5000	**C223_82.6 S05 M05A4**	126	**C223_82.6 P63 BN63A4**	127
20.4	53	1.7	66.2	2000	**C122_66.2 S05 M05A4**	122	**C122_66.2 P63 BN63A4**	123
21.3	51	2.5	63.3	5000	**C222_63.3 S05 M05A4**	126	**C222_63.3 P63 BN63A4**	127
24.5	45	2.0	55.2	2000	**C122_55.2 S05 M05A4**	122	**C122_55.2 P63 BN63A4**	123
24.7	44	3.5	54.7	5000	**C222_54.7 S05 M05A4**	126	**C222_54.7 P63 BN63A4**	127
28.4	38	2.3	47.6	2000	**C122_47.6 S05 M05A4**	122	**C122_47.6 P63 BN63A4**	123
29.3	37	1.2	44.7	1010	**C052_44.7 S05 M05A4**	121		
32	34	2.6	42.3	2000	**C122_42.3 S05 M05A4**	122	**C122_42.3 P63 BN63A4**	123
33	34	1.3	40.3	990	**C052_40.3 S05 M05A4**	121		
36	30	1.5	36.4	980	**C052_36.4 S05 M05A4**	121		
36	30	3.0	37.0	2000	**C122_37.0 S05 M05A4**	122	**C122_37.0 P63 BN63A4**	123
40	27	1.6	32.8	960	**C052_32.8 S05 M05A4**	121		
41	26	3.4	32.8	2000	**C122_32.8 S05 M05A4**	122	**C122_32.8 P63 BN63A4**	123
48	23	2.0	27.1	930	**C052_27.1 S05 M05A4**	121		
56	20	2.3	15.6	900	**C052_15.6 S05 M05B6**	121		
62	18	2.6	21.0	890	**C052_21.0 S05 M05A4**	121		
69	16	2.5	18.9	860	**C052_18.9 S05 M05A4**	121		
78	14	3.2	11.2	850	**C052_11.2 S05 M05B6**	121		
84	13	3.1	15.6	820	**C052_15.6 S05 M05A4**	121		
105	10	3.8	12.5	780	**C052_12.5 S05 M05A4**	121		
117	9	4.3	11.2	760	**C052_11.2 S05 M05A4**	121		
130	8	5.4	6.7	740	**C052_6.7 S05 M05B6**	121		
141	8	3.9	9.3	720	**C052_9.3 S05 M05A4**	121		
177	6	4.8	7.4	680	**C052_7.4 S05 M05A4**	121		
196	6	5.4	6.7	660	**C052_6.7 S05 M05A4**	121		



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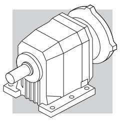
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
0.66	2367	1.0	1362	25000			**C704_1362 P71 BN71A6**	151
0.84	1858	1.2	1069	25000			**C704_1069 P71 BN71A6**	151
1.2	1262	1.3	726.3	16000	**C614_726.3 S1 M1SC6**	146	**C614_726.3 P71 BN71A6**	147
1.3	1248	0.8	717.7	10000	**C514_717.7 S1 M1SC6**	142	**C514_717.7 P71 BN71A6**	143
1.5	1049	1.0	884.9	10000			**C514_884.9 P63 BN63B4**	143
1.6	958	1.0	808.0	10000			**C514_808.0 P63 BN63B4**	143
1.6	955	1.0	549.7	10000	**C514_549.7 S1 M1SC6**	142	**C514_549.7 P71 BN71A6**	143
1.8	861	1.9	726.3	16000			**C614_726.3 P63 BN63B4**	147
1.8	851	1.2	717.7	10000			**C514_717.7 P63 BN63B4**	143
1.9	806	1.2	463.9	10000	**C514_463.9 S1 M1SC6**	142	**C514_463.9 P71 BN71A6**	143
1.9	803	2.0	462.0	16000	**C614_462.0 S1 M1SC6**	146	**C614_462.0 P71 BN71A6**	147
2.0	796	0.8	671.3	7000	**C414_671.3 S05 M05B4**	138	**C414_671.3 P63 BN63B4**	139
2.0	783	0.8	450.2	7000	**C414_450.2 S1 M1SC6**	138	**C414_450.2 P71 BN71A6**	139
2.0	777	1.3	655.4	10000			**C514_655.4 P63 BN63B4**	143
2.2	727	0.8	418.5	7000	**C414_418.5 S1 M1SC6**	138	**C414_418.5 P71 BN71A6**	139
2.2	723	1.4	415.7	10000	**C514_415.7 S1 M1SC6**	142	**C514_415.7 P71 BN71A6**	143
2.2	706	0.8	595.8	7000	**C414_595.8 S05 M05B4**	138	**C414_595.8 P63 BN63B4**	139
2.4	660	1.5	379.6	10000	**C514_379.6 S1 M1SC6**	142	**C514_379.6 P71 BN71A6**	143
2.4	644	0.9	543.5	7000	**C414_543.5 S05 M05B4**	138	**C414_543.5 P63 BN63B4**	139
2.6	587	0.8	341.7	6300	**C364_341.7 S1 M1SC6**	134	**C364_341.7 P71 BN71A6**	139
2.7	585	1.0	493.5	7000	**C414_493.5 S05 M05B4**	138	**C414_493.5 P63 BN63B4**	139
2.9	534	1.1	450.2	7000	**C414_450.2 S05 M05B4**	138	**C414_450.2 P63 BN63B4**	139
2.9	536	0.8	458.4	6500	**C364_458.4 S05 M05B4**	134	**C364_458.4 P63 BN63B4**	139
3.1	492	0.9	420.2	6500	**C364_420.2 S05 M05B4**	134	**C364_420.2 P63 BN63B4**	139
3.2	496	1.2	418.5	7000	**C414_418.5 S05 M05B4**	138	**C414_418.5 P63 BN63B4**	139
3.5	452	1.3	381.8	7000	**C414_381.8 S05 M05B4**	138	**C414_381.8 P63 BN63B4**	139
3.5	442	1.0	377.9	6500	**C364_377.9 S05 M05B4**	134	**C364_377.9 P63 BN63B4**	139
3.9	400	1.1	341.7	6500	**C364_341.7 S05 M05B4**	134	**C364_341.7 P63 BN63B4**	139
4.0	395	1.5	333.4	7000	**C414_333.4 S05 M05B4**	138	**C414_333.4 P63 BN63B4**	139
4.1	373	1.2	318.9	6500	**C364_318.9 S05 M05B4**	134	**C364_318.9 P63 BN63B4**	139
4.3	371	1.6	209.1	7000	**C413_209.1 S1 M1SC6**	138	**C413_209.1 P71 BN71A6**	139
4.3	360	1.7	304.2	7000	**C414_304.2 S05 M05B4**	138	**C414_304.2 P63 BN63B4**	139
4.5	340	1.3	290.9	6500	**C364_290.9 S05 M05B4**	134	**C364_290.9 P63 BN63B4**	139
4.7	339	1.8	190.8	7000	**C413_190.8 S1 M1SC6**	138	**C413_190.8 P71 BN71A6**	139
4.8	330	0.9	186.0	5500	**C323_186.0 S1 M1SC6**	130	**C323_186.0 P71 BN71A6**	131
5.0	312	1.9	263.0	7000	**C414_263.0 S05 M05B4**	138	**C414_263.0 P63 BN63B4**	139
5.2	298	1.5	255.0	6500	**C364_255.0 S05 M05B4**	134	**C364_255.0 P63 BN63B4**	139
5.4	297	1.0	167.4	5500	**C323_167.4 S1 M1SC6**	130	**C323_167.4 P71 BN71A6**	131
5.4	295	0.9	244.2	5500	**C323_244.2 S05 M05B4**	130	**C323_244.2 P63 BN63B4**	131
5.7	270	1.7	230.9	6500	**C364_230.9 S05 M05B4**	134	**C364_230.9 P63 BN63B4**	139
6.1	261	1.2	215.6	5500	**C323_215.6 S05 M05B4**	130	**C323_215.6 P63 BN63B4**	131
6.4	250	1.8	206.4	6500	**C363_206.4 S05 M05B4**	134	**C363_206.4 P63 BN63B4**	135
7.1	225	1.3	186.0	5500	**C323_186.0 S05 M05B4**	130	**C323_186.0 P63 BN63B4**	131
7.2	222	2.0	183.5	6500	**C363_183.5 S05 M05B4**	134	**C363_183.5 P63 BN63B4**	135
7.4	216	0.9	178.5	5000	**C223_178.5 S05 M05B4**	126	**C223_178.5 P63 BN63B4**	127
7.9	202	1.5	167.4	5500	**C323_167.4 S05 M05B4**	130	**C323_167.4 P63 BN63B4**	131
8.1	196	2.3	162.0	6500	**C363_162.0 S05 M05B4**	134	**C363_162.0 P63 BN63B4**	135
8.7	183	1.1	151.7	5000	**C223_151.7 S05 M05B4**	126	**C223_151.7 P63 BN63B4**	127
8.9	179	1.7	148.4	5500	**C323_148.4 S05 M05B4**	130	**C323_148.4 P63 BN63B4**	131
9.4	169	2.7	139.8	6500	**C363_139.8 S05 M05B4**	134	**C363_139.8 P63 BN63B4**	135
9.7	165	1.2	136.5	5000	**C223_136.5 S05 M05B4**	126	**C223_136.5 P63 BN63B4**	127
9.7	164	1.8	136.0	5500	**C323_136.0 S05 M05B4**	130	**C323_136.0 P63 BN63B4**	131
10.5	152	3.0	125.8	6500	**C363_125.8 S05 M05B4**	134	**C363_125.8 P63 BN63B4**	135
10.8	148	2.0	122.4	5500	**C323_122.4 S05 M05B4**	130	**C323_122.4 P63 BN63B4**	131
10.8	148	1.4	122.2	5000	**C223_122.2 S05 M05B4**	126	**C223_122.2 P63 BN63B4**	127
11.8	135	1.5	112.0	5000	**C223_112.0 S05 M05B4**	126	**C223_112.0 P63 BN63B4**	127
11.8	135	3.3	111.5	6500	**C363_111.5 S05 M05B4**	134	**C363_111.5 P63 BN63B4**	135
11.9	134	2.2	110.6	5500	**C323_110.6 S05 M05B4**	130	**C323_110.6 P63 BN63B4**	131
12.8	125	2.4	103.3	5500	**C323_103.3 S05 M05B4**	130	**C323_103.3 P63 BN63B4**	131
12.9	124	3.6	102.2	6500	**C363_102.2 S05 M05B4**	134	**C363_102.2 P63 BN63B4**	135
13.2	121	1.7	100.2	5000	**C223_100.2 S05 M05B4**	126	**C223_100.2 P63 BN63B4**	127
14.0	114	2.6	94.2	5500	**C323_94.2 S05 M05B4**	130	**C323_94.2 P63 BN63B4**	131
14.9	107	1.9	88.5	5000	**C223_88.5 S05 M05B4**	126	**C223_88.5 P63 BN63B4**	127
16.0	100	2.0	82.6	5000	**C223_82.6 S05 M05B4**	126	**C223_82.6 P63 BN63B4**	127
16.0	100	3.0	82.6	5500	**C323_82.6 S05 M05B4**	130	**C323_82.6 P63 BN63B4**	131



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
17.6	90	2.2	74.8	5000	**C223_74.8 S05 M05B4**	126	**C223_74.8 P63 BN63B4**	127
17.7	90	3.2	74.7	5500	**C323_74.7 S05 M05B4**	130	**C323_74.7 P63 BN63B4**	131
19.8	83	2.6	66.8	5500	**C322_66.8 S05 M05B4**	130	**C322_66.8 P63 BN63B4**	131
20.0	82	1.1	66.2	2000	**C122_66.2 S05 M05B4**	122	**C122_66.2 P63 BN63B4**	123
20.2	79	2.5	65.3	5000	**C223_65.3 S05 M05B4**	126	**C223_65.3 P63 BN63B4**	127
20.9	78	1.7	63.3	5000	**C222_63.3 S05 M05B4**	126	**C222_63.3 P63 BN63B4**	127
22.0	73	2.6	60.0	5000	**C223_60.0 S05 M05B4**	126	**C223_60.0 P63 BN63B4**	127
22.2	73	2.9	59.4	5500	**C322_59.4 S05 M05B4**	130	**C322_59.4 P63 BN63B4**	131
23.9	68	1.3	55.2	2000	**C122_55.2 S05 M05B4**	122	**C122_55.2 P63 BN63B4**	123
24.1	68	2.3	54.7	5000	**C222_54.7 S05 M05B4**	126	**C222_54.7 P63 BN63B4**	127
27.1	60	2.6	48.6	5000	**C222_48.6 S05 M05B4**	126	**C222_48.6 P63 BN63B4**	127
27.7	59	1.5	47.6	2000	**C122_47.6 S05 M05B4**	122	**C122_47.6 P63 BN63B4**	123
31	53	3.6	43.3	5000	**C222_43.3 S05 M05B4**	126	**C222_43.3 P63 BN63B4**	127
31	52	1.7	42.3	2000	**C122_42.3 S05 M05B4**	122	**C122_42.3 P63 BN63B4**	123
33	50	0.9	40.3	850	**C052_40.3 S05 M05B4**	121		
36	45	1.0	36.4	850	**C052_36.4 S05 M05B4**	121		
36	46	2.0	37.0	2000	**C122_37.0 S05 M05B4**	122	**C122_37.0 P63 BN63B4**	123
40	40	2.2	32.8	2000	**C122_32.8 S05 M05B4**	122	**C122_32.8 P63 BN63B4**	123
40	41	1.1	32.8	840	**C052_32.8 S05 M05B4**	121		
45	36	2.5	29.5	2000	**C122_29.5 S05 M05B4**	122	**C122_29.5 P63 BN63B4**	123
49	34	1.3	27.1	820	**C052_27.1 S05 M05B4**	121		
52	31	2.8	25.4	2000	**C122_25.4 S05 M05B4**	122	**C122_25.4 P63 BN63B4**	123
57	29	3.0	23.2	2000	**C122_23.2 S05 M05B4**	122	**C122_23.2 P63 BN63B4**	123
63	26	1.7	21.0	810	**C052_21.0 S05 M05B4**	121		
64	25	3.2	20.6	2000	**C122_20.6 S05 M05B4**	122	**C122_20.6 P63 BN63B4**	123
70	23	1.7	18.9	790	**C052_18.9 S05 M05B4**	121		
72	23	3.4	18.4	2000	**C122_18.4 S05 M05B4**	122	**C122_18.4 P63 BN63B4**	123
77	21	3.6	17.2	2000	**C122_17.2 S05 M05B4**	122	**C122_17.2 P63 BN63B4**	123
85	19	2.1	15.6	760	**C052_15.6 S05 M05B4**	121		
106	15	2.6	12.5	740	**C052_12.5 S05 M05B4**	121		
118	14	2.9	11.2	720	**C052_11.2 S05 M05B4**	121		
142	11	2.6	9.3	690	**C052_9.3 S05 M05B4**	121		
178	9	3.3	7.4	650	**C052_7.4 S05 M05B4**	121		
197	8	3.6	6.7	640	**C052_6.7 S05 M05B4**	121		
229	7	7.4	11.9	1670	**C122_11.9 S05 M05A2**	122	**C122_11.9 P63 BN63A2**	123
240	7	4.4	5.5	600	**C052_5.5 S05 M05B4**	121		
268	6	8.1	10.1	1600	**C122_10.1 S05 M05A2**	122	**C122_10.1 P63 BN63A2**	123
310	5	8.9	8.8	1530	**C122_8.8 S05 M05A2**	122	**C122_8.8 P63 BN63A2**	123
354	5	9.8	7.6	1470	**C122_7.6 S05 M05A2**	122	**C122_7.6 P63 BN63A2**	123
440	4	11.3	6.2	1390	**C122_6.2 S05 M05A2**	122	**C122_6.2 P63 BN63A2**	123
488	3	11.9	5.6	1300	**C122_5.6 S05 M05A2**	122	**C122_5.6 P63 BN63A2**	123
577	3	13.4	4.9	1250	**C122_4.9 S05 M05A2**	122	**C122_4.9 P63 BN63A2**	123
635	3	14.0	4.3	1190	**C122_4.3 S05 M05A2**	122	**C122_4.3 P63 BN63A2**	123
770	2	16.0	3.7	1140	**C122_3.7 S05 M05A2**	122	**C122_3.7 P63 BN63A2**	123
853	2	16.7	3.2	1090	**C122_3.2 S05 M05A2**	122	**C122_3.2 P63 BN63A2**	123
1015	2	18.7	2.8	1040	**C122_2.8 S05 M05A2**	122	**C122_2.8 P63 BN63A2**	123

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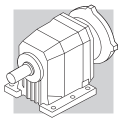
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.61	3575	1.1	1481	35000			**C804_1481 P71 BN71B6**	154
0.77	2820	1.4	1168	35000			**C804_1168 P71 BN71B6**	154
1.2	1753	0.9	726.3	16000	**C614_726.3 S1 M1SD6**	146	**C614_726.3 P71 BN71B6**	147
1.6	1330	0.8	808.0	10000			**C514_808.0 P63 BN63C4**	143
1.6	1327	0.8	549.7	10000	**C514_549.7 S1 M1SD6**	142	**C514_549.7 P71 BN71B6**	143
1.9	1134	0.9	717.7	10000			**C514_717.7 P71 BN71A4**	143
1.9	1120	0.9	463.9	10000	**C514_463.9 S1 M1SD6**	142	**C514_463.9 P71 BN71B6**	143
2.0	1101	1.5	668.8	16000			**C614_668.8 P63 BN63C4**	147
2.4	894	1.8	370.1	16000	**C614_370.1 S1 M1SD6**	146	**C614_370.1 P71 BN71B6**	147
2.5	869	1.2	549.7	10000			**C514_549.7 P71 BN71A4**	143
2.9	741	0.8	450.2	7000	**C414_450.2 S05 M05C4**	138	**C414_450.2 P71 BN71A4**	139



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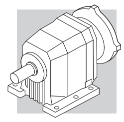
n_2 min⁻¹	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
3.2	689	0.9	418.5	7000	**C414_418.5 S05 M05C4**	138	**C414_418.5 P71 BN71A4**	139
3.2	684	1.5	415.7	10000			**C514_415.7 P71 BN71A4**	143
3.5	628	1.0	381.8	7000	**C414_381.8 S05 M05C4**	138	**C414_381.8 P71 BN71A4**	139
3.5	625	1.6	379.6	10000			**C514_379.6 P71 BN71A4**	143
3.8	567	0.8	344.3	6500	**C364_344.3 S05 M05C4**	134	**C364_344.3 P71 BN71A4**	139
4.0	549	1.1	333.4	7000	**C414_333.4 S05 M05C4**	138	**C414_333.4 P71 BN71A4**	139
4.0	537	1.9	326.1	10000			**C514_326.1 P71 BN71A4**	143
4.2	511	0.9	318.9	6500	**C364_318.9 S05 M05C4**	134	**C364_318.9 P71 BN71A4**	139
4.3	501	1.2	304.2	7000	**C414_304.2 S05 M05C4**	138	**C414_304.2 P71 BN71A4**	139
4.4	490	2.0	297.8	10000			**C514_297.8 P71 BN71A4**	143
4.6	466	1.0	290.9	6500	**C364_290.9 S05 M05C4**	134	**C364_290.9 P71 BN71A4**	139
5.0	434	2.3	263.8	10000			**C514_263.8 P71 BN71A4**	143
5.0	433	1.4	263.0	7000	**C414_263.0 S05 M05C4**	138	**C414_263.0 P71 BN71A4**	139
5.3	409	1.1	255.0	6500	**C364_255.0 S05 M05C4**	134	**C364_255.0 P71 BN71A4**	139
5.5	395	1.5	239.9	7000	**C414_239.9 S05 M05C4**	138	**C414_239.9 P71 BN71A4**	139
5.8	370	1.2	230.9	6500	**C364_230.9 S05 M05C4**	134	**C364_230.9 P71 BN71A4**	139
6.3	350	2.9	216.7	10000			**C513_216.7 P71 BN71A4**	143
6.5	342	1.3	206.4	6500	**C363_206.4 S05 M05C4**	134	**C363_206.4 P71 BN71A4**	135
7.2	308	1.9	190.8	7000			**C413_190.8 P71 BN71A4**	139
7.2	308	1.0	186.0	5500	**C323_186.0 S05 M05C4**	130	**C323_186.0 P71 BN71A4**	131
7.3	304	1.5	183.5	6500	**C363_183.5 S05 M05C4**	134	**C363_183.5 P71 BN71A4**	135
8.0	277	1.1	167.4	5500	**C323_167.4 S05 M05C4**	130	**C323_167.4 P71 BN71A4**	131
8.3	268	1.7	162.0	6500	**C363_162.0 S05 M05C4**	134	**C363_162.0 P71 BN71A4**	135
8.4	265	2.3	164.1	7000			**C413_164.1 P71 BN71A4**	139
9.0	246	1.2	148.4	5500	**C323_148.4 S05 M05C4**	130	**C323_148.4 P71 BN71A4**	131
9.6	231	1.9	139.8	6500	**C363_139.8 S05 M05C4**	134	**C363_139.8 P71 BN71A4**	135
9.8	226	0.9	136.5	5000	**C223_136.5 S05 M05C4**	126	**C223_136.5 P71 BN71A4**	127
9.9	225	1.3	136.0	5500	**C323_136.0 S05 M05C4**	130	**C323_136.0 P71 BN71A4**	131
10.3	215	2.8	132.9	7000			**C413_132.9 P71 BN71A4**	139
10.7	208	2.2	125.8	6500	**C363_125.8 S05 M05C4**	134	**C363_125.8 P71 BN71A4**	135
11.0	203	1.5	122.4	5500	**C323_122.4 S05 M05C4**	130	**C323_122.4 P71 BN71A4**	131
11.0	202	1.0	122.2	5000	**C223_122.2 S05 M05C4**	126	**C223_122.2 P71 BN71A4**	127
12.0	185	1.1	112.0	5000	**C223_112.0 S05 M05C4**	126	**C223_112.0 P71 BN71A4**	127
12.0	185	2.4	111.5	6500	**C363_111.5 S05 M05C4**	134	**C363_111.5 P71 BN71A4**	135
12.1	183	1.6	110.6	5500	**C323_110.6 S05 M05C4**	130	**C323_110.6 P71 BN71A4**	131
13.0	171	1.8	103.3	5500	**C323_103.3 S05 M05C4**	130	**C323_103.3 P71 BN71A4**	131
13.1	169	2.7	102.2	6500	**C363_102.2 S05 M05C4**	134	**C363_102.2 P71 BN71A4**	135
13.4	166	1.2	100.2	5000	**C223_100.2 S05 M05C4**	126	**C223_100.2 P71 BN71A4**	127
14.2	156	1.9	94.2	5500	**C323_94.2 S05 M05C4**	130	**C323_94.2 P71 BN71A4**	131
14.6	152	3.0	91.9	6500	**C363_91.9 S05 M05C4**	134	**C363_91.9 P71 BN71A4**	135
15.1	147	1.4	88.5	5000	**C223_88.5 S05 M05C4**	126	**C223_88.5 P71 BN71A4**	127
16.2	137	1.5	82.6	5000	**C223_82.6 S05 M05C4**	126	**C223_82.6 P71 BN71A4**	127
16.2	137	2.2	82.6	5500	**C323_82.6 S05 M05C4**	130	**C323_82.6 P71 BN71A4**	131
17.9	124	1.6	74.8	5000	**C223_74.8 S05 M05C4**	126	**C223_74.8 P71 BN71A4**	127
17.9	124	2.3	74.7	5500	**C323_74.7 S05 M05C4**	130	**C323_74.7 P71 BN71A4**	131
20.1	113	1.9	66.8	5500	**C322_66.8 S05 M05C4**	130	**C322_66.8 P71 BN71A4**	131
20.3	112	0.8	66.2	2000	**C122_66.2 S05 M05C4**	122	**C122_66.2 P71 BN71A4**	123
20.5	108	1.8	65.3	5000	**C223_65.3 S05 M05C4**	126	**C223_65.3 P71 BN71A4**	127
21.2	107	1.2	63.3	5000	**C222_63.3 S05 M05C4**	126	**C222_63.3 P71 BN71A4**	127
22.3	99	1.9	60.0	5000	**C223_60.0 S05 M05C4**	126	**C223_60.0 P71 BN71A4**	127
22.6	100	2.1	59.4	5500	**C322_59.4 S05 M05C4**	130	**C322_59.4 P71 BN71A4**	131
24.3	93	1.0	55.2	2000	**C122_55.2 S05 M05C4**	122	**C122_55.2 P71 BN71A4**	123
24.5	93	1.7	54.7	5000	**C222_54.7 S05 M05C4**	126	**C222_54.7 P71 BN71A4**	127
25.6	89	3.4	52.4	5500	**C322_52.4 S05 M05C4**	130	**C322_52.4 P71 BN71A4**	131
27.5	82	1.9	48.6	5000	**C222_48.6 S05 M05C4**	126	**C222_48.6 P71 BN71A4**	127
28.1	80	1.1	47.6	2000	**C122_47.6 S05 M05C4**	122	**C122_47.6 P71 BN71A4**	123
31	73	2.6	43.3	4750	**C222_43.3 S05 M05C4**	126	**C222_43.3 P71 BN71A4**	127
32	72	1.3	42.3	2000	**C122_42.3 S05 M05C4**	122	**C122_42.3 P71 BN71A4**	123
36	63	1.4	37.0	2000	**C122_37.0 S05 M05C4**	122	**C122_37.0 P71 BN71A4**	123
36	62	3.2	36.8	4540	**C222_36.8 S05 M05C4**	126	**C222_36.8 P71 BN71A4**	127
40	56	3.6	33.1	4500	**C222_33.1 S05 M05C4**	126	**C222_33.1 P71 BN71A4**	127
41	55	1.6	32.8	2000	**C122_32.8 S05 M05C4**	122	**C122_32.8 P71 BN71A4**	123
45	50	1.8	29.5	2000	**C122_29.5 S05 M05C4**	122	**C122_29.5 P71 BN71A4**	123
49	47	1.0	27.1	700	**C052_27.1 S05 M05C4**	121		
53	43	2.1	25.4	2000	**C122_25.4 S05 M05C4**	122	**C122_25.4 P71 BN71A4**	123



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
58	39	2.2	23.2	2000	C122_23.2 S05 M05C4	122	C122_23.2 P71 BN71A4	123
63	36	1.2	21.0	720	C052_21.0 S05 M05C4	121		
65	35	2.4	20.6	2000	C122_20.6 S05 M05C4	122	C122_20.6 P71 BN71A4	123
70	33	1.2	18.9	710	C052_18.9 S05 M05C4	121		
73	31	2.5	18.4	2000	C122_18.4 S05 M05C4	122	C122_18.4 P71 BN71A4	123
78	29	2.6	17.2	2000	C122_17.2 S05 M05C4	122	C122_17.2 P71 BN71A4	123
85	27	1.5	15.6	700	C052_15.6 S05 M05C4	121		
87	26	2.8	15.4	2000	C122_15.4 S05 M05C4	122	C122_15.4 P71 BN71A4	123
100	23	3.1	13.4	2000	C122_13.4 S05 M05C4	122	C122_13.4 P71 BN71A4	123
106	22	1.9	12.5	690	C052_12.5 S05 M05C4	121		
113	20	3.3	11.9	2000	C122_11.9 S05 M05C4	122	C122_11.9 P71 BN71A4	123
118	19	2.1	11.2	670	C052_11.2 S05 M05C4	121		
133	17	3.7	10.1	1980	C122_10.1 S05 M05C4	122	C122_10.1 P71 BN71A4	123
142	16	1.9	9.3	650	C052_9.3 S05 M05C4	121		
157	14	4.2	17.2	1870	C122_17.2 S05 M05B2	122	C122_17.2 P63 BN63B2	123
178	13	2.4	7.4	620	C052_7.4 S05 M05C4	121		
197	12	2.6	6.7	610	C052_6.7 S05 M05C4	121		
204	11	5.0	13.4	1710	C122_13.4 S05 M05B2	122	C122_13.4 P63 BN63B2	123
230	10	5.4	11.9	1660	C122_11.9 S05 M05B2	122	C122_11.9 P63 BN63B2	123
240	9	3.2	5.5	580	C052_5.5 S05 M05C4	121		
268	8	5.8	10.1	1590	C122_10.1 S05 M05B2	122	C122_10.1 P63 BN63B2	123
311	7	6.5	8.8	1510	C122_8.8 S05 M05B2	122	C122_8.8 P63 BN63B2	123
354	6	7.0	7.6	1460	C122_7.6 S05 M05B2	122	C122_7.6 P63 BN63B2	123
442	5	8.2	6.2	1350	C122_6.2 S05 M05B2	122	C122_6.2 P63 BN63B2	123
489	5	8.6	5.6	1290	C122_5.6 S05 M05B2	122	C122_5.6 P63 BN63B2	123
577	4	9.7	4.9	1240	C122_4.9 S05 M05B2	122	C122_4.9 P63 BN63B2	123
637	4	10.1	4.3	1180	C122_4.3 S05 M05B2	122	C122_4.3 P63 BN63B2	123
770	3	11.5	3.7	1130	C122_3.7 S05 M05B2	122	C122_3.7 P63 BN63B2	123
856	3	12.1	3.2	1080	C122_3.2 S05 M05B2	122	C122_3.2 P63 BN63B2	123
979	2	13.0	2.8	1030	C122_2.8 S05 M05B2	122	C122_2.8 P63 BN63B2	123

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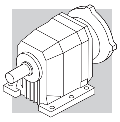
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.73	4382	1.6	1240	60000	C904_1240 S1 M1LA6	156	C904_1240 P80 BN80A6	157
0.78	4127	1.0	1168	35000			C804_1168 P80 BN80A6	154
0.93	3476	1.2	1481	35000			C804_1481 P71 BN71B4	154
1.2	2741	1.5	1168	35000			C804_1168 P71 BN71B4	154
1.4	2220	1.8	945.7	35000			C804_945.7 P71 BN71B4	154
1.5	2165	1.1	922.6	25000			C704_922.6 P71 BN71B4	151
1.7	1869	0.9	796.1	16000	C614_796.1 S1 M1SD4	146	C614_796.1 P71 BN71B4	147
2.0	1570	1.0	668.8	16000	C614_668.8 S1 M1SD4	146	C614_668.8 P71 BN71B4	147
2.1	1543	1.5	657.3	25000			C704_657.3 P71 BN71B4	151
2.4	1341	1.2	571.2	16000	C614_571.2 S1 M1SD4	146	C614_571.2 P71 BN71B4	147
2.5	1302	1.8	554.7	25000			C704_554.7 P71 BN71B4	151
2.5	1290	0.8	549.7	10000	C514_549.7 S1 M1SD4	142	C514_549.7 P71 BN71B4	143
2.6	1223	1.3	521.1	16000	C614_521.1 S1 M1SD4	146	C614_521.1 P71 BN71B4	147
3.3	989	1.6	421.5	16000	C614_421.5 S1 M1SD4	146	C614_421.5 P71 BN71B4	147
3.3	976	1.0	415.7	10000	C514_415.7 S1 M1SD4	142	C514_415.7 P71 BN71B4	143
3.3	961	2.4	409.4	25000			C704_409.4 P71 BN71B4	151
3.6	891	1.1	379.6	10000	C514_379.6 S1 M1SD4	142	C514_379.6 P71 BN71B4	143
3.7	869	1.8	370.1	16000	C614_370.1 S1 M1SD4	146	C614_370.1 P71 BN71B4	147
4.1	793	2.0	337.7	16000	C614_337.7 S1 M1SD4	146	C614_337.7 P71 BN71B4	147
4.1	783	0.8	333.4	7000	C414_333.4 S1 M1SD4	138	C414_333.4 P71 BN71B4	139
4.2	765	1.3	326.1	10000	C514_326.1 S1 M1SD4	142	C514_326.1 P71 BN71B4	143
4.6	699	1.4	297.8	10000	C514_297.8 S1 M1SD4	142	C514_297.8 P71 BN71B4	143
5.2	619	1.6	263.8	10000	C514_263.8 S1 M1SD4	142	C514_263.8 P71 BN71B4	143
5.2	617	1.0	263.0	7000	C414_263.0 S1 M1SD4	138	C414_263.0 P71 BN71B4	139
5.9	540	0.8	230.9	6300	C364_230.9 S1 M1SD4	134	C364_230.9 P71 BN71B4	139
6.3	520	1.9	216.7	10000	C513_216.7 S1 M1SD4	142	C513_216.7 P71 BN71B4	143



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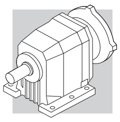
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
6.6	502	1.2	209.1	7000	**C413_209.1 S1 M1SD4**	138	**C413_209.1 P71 BN71B4**	139
6.6	499	0.9	206.4	6500	**C363_206.4 S1 M1SD4**	134	**C363_206.4 P71 BN71B4**	135
6.9	475	2.1	197.9	10000	**C513_197.9 S1 M1SD4**	142	**C513_197.9 P71 BN71B4**	143
7.2	458	1.3	190.8	7000	**C413_190.8 S1 M1SD4**	138	**C413_190.8 P71 BN71B4**	139
7.5	444	1.0	183.5	6500	**C363_183.5 S1 M1SD4**	134	**C363_183.5 P71 BN71B4**	135
7.6	431	1.4	179.9	7000	**C413_179.9 S1 M1SD4**	138	**C413_179.9 P71 BN71B4**	139
7.8	422	2.4	175.8	10000	**C513_175.8 S1 M1SD4**	142	**C513_175.8 P71 BN71B4**	143
8.3	394	1.5	164.1	7000	**C413_164.1 S1 M1SD4**	138	**C413_164.1 P71 BN71B4**	139
8.5	385	2.6	160.5	10000	**C513_160.5 S1 M1SD4**	142	**C513_160.5 P71 BN71B4**	143
8.5	392	1.1	162.0	6500	**C363_162.0 S1 M1SD4**	134	**C363_162.0 P71 BN71B4**	135
9.4	349	1.7	145.6	7000	**C413_145.6 S1 M1SD4**	138	**C413_145.6 P71 BN71B4**	139
9.8	338	1.3	139.8	6500	**C363_139.8 S1 M1SD4**	134	**C363_139.8 P71 BN71B4**	135
10.1	329	0.9	136.0	5500	**C323_136.0 S1 M1SD4**	130	**C323_136.0 P71 BN71B4**	131
10.3	319	1.9	132.9	7000	**C413_132.9 S1 M1SD4**	138	**C413_132.9 P71 BN71B4**	139
10.9	304	1.5	125.8	6500	**C363_125.8 S1 M1SD4**	134	**C363_125.8 P71 BN71B4**	135
11.2	296	1.0	122.4	5500	**C323_122.4 S1 M1SD4**	130	**C323_122.4 P71 BN71B4**	131
11.4	289	2.1	120.6	7000	**C413_120.6 S1 M1SD4**	138	**C413_120.6 P71 BN71B4**	139
12.3	270	1.7	111.5	6500	**C363_111.5 S1 M1SD4**	134	**C363_111.5 P71 BN71B4**	135
12.4	264	2.3	110.1	7000	**C413_110.1 S1 M1SD4**	138	**C413_110.1 P71 BN71B4**	139
12.4	267	1.1	110.6	5500	**C323_110.6 S1 M1SD4**	130	**C323_110.6 P71 BN71B4**	131
13.3	250	1.2	103.3	5500	**C323_103.3 S1 M1SD4**	130	**C323_103.3 P71 BN71B4**	131
13.4	245	2.4	102.3	7000	**C413_102.3 S1 M1SD4**	138	**C413_102.3 P71 BN71B4**	139
13.4	247	1.8	102.2	6500	**C363_102.2 S1 M1SD4**	134	**C363_102.2 P71 BN71B4**	135
14.5	228	1.3	94.2	5500	**C323_94.2 S1 M1SD4**	130	**C323_94.2 P71 BN71B4**	131
14.7	224	2.7	93.3	7000	**C413_93.3 S1 M1SD4**	138	**C413_93.3 P71 BN71B4**	139
14.9	222	2.0	91.9	6500	**C363_91.9 S1 M1SD4**	134	**C363_91.9 P71 BN71B4**	135
15.5	214	0.9	88.5	4850	**C223_88.5 S1 M1SD4**	126	**C223_88.5 P71 BN71B4**	127
16.5	201	2.2	83.1	6500	**C363_83.1 S1 M1SD4**	134	**C363_83.1 P71 BN71B4**	135
16.6	200	1.0	82.6	5000	**C223_82.6 S1 M1SD4**	126	**C223_82.6 P71 BN71B4**	127
16.6	200	1.5	82.6	5500	**C323_82.6 S1 M1SD4**	130	**C323_82.6 P71 BN71B4**	131
16.8	196	3.1	81.5	7000	**C413_81.5 S1 M1SD4**	138	**C413_81.5 P71 BN71B4**	139
17.7	188	2.4	77.6	6500	**C363_77.6 S1 M1SD4**	134	**C363_77.6 P71 BN71B4**	135
18.3	181	1.1	74.8	5000	**C223_74.8 S1 M1SD4**	126	**C223_74.8 P71 BN71B4**	127
18.3	181	1.6	74.7	5500	**C323_74.7 S1 M1SD4**	130	**C323_74.7 P71 BN71B4**	131
18.4	178	3.4	74.4	7000	**C413_74.4 S1 M1SD4**	138	**C413_74.4 P71 BN71B4**	139
19.4	171	2.6	70.8	6500	**C363_70.8 S1 M1SD4**	134	**C363_70.8 P71 BN71B4**	135
20.5	165	1.3	66.8	5500	**C322_66.8 S1 M1SD4**	130	**C322_66.8 P71 BN71B4**	131
21.0	158	1.3	65.3	5000	**C223_65.3 S1 M1SD4**	126	**C223_65.3 P71 BN71B4**	127
21.7	156	0.8	63.3	4850	**C222_63.3 S1 M1SD4**	126	**C222_63.3 P71 BN71B4**	127
22.1	150	3.0	62.0	6500	**C363_62.0 S1 M1SD4**	134	**C363_62.0 P71 BN71B4**	135
22.8	145	1.3	60.0	5000	**C223_60.0 S1 M1SD4**	126	**C223_60.0 P71 BN71B4**	127
23.1	147	1.5	59.4	5500	**C322_59.4 S1 M1SD4**	130	**C322_59.4 P71 BN71B4**	131
25.0	135	1.1	54.7	5000	**C222_54.7 S1 M1SD4**	126	**C222_54.7 P71 BN71B4**	127
26.1	130	2.3	52.4	5500	**C322_52.4 S1 M1SD4**	130	**C322_52.4 P71 BN71B4**	131
28.2	120	1.3	48.6	4850	**C222_48.6 S1 M1SD4**	126	**C222_48.6 P71 BN71B4**	127
30	112	2.7	45.3	5500	**C322_45.3 S1 M1SD4**	130	**C322_45.3 P71 BN71B4**	131
32	107	1.8	43.3	4530	**C222_43.3 S1 M1SD4**	126	**C222_43.3 P71 BN71B4**	127
34	101	3.0	40.7	5500	**C322_40.7 S1 M1SD4**	130	**C322_40.7 P71 BN71B4**	131
37	91	1.0	37.0	2000	**C122_37.0 S1 M1SD4**	122	**C122_37.0 P71 BN71B4**	123
37	91	2.2	36.8	4360	**C222_36.8 S1 M1SD4**	126	**C222_36.8 P71 BN71B4**	127
38	89	3.4	36.1	5500	**C322_36.1 S1 M1SD4**	130	**C322_36.1 P71 BN71B4**	131
41	82	2.4	33.1	4240	**C222_33.1 S1 M1SD4**	126	**C222_33.1 P71 BN71B4**	127
42	81	1.1	32.8	2000	**C122_32.8 S1 M1SD4**	122	**C122_32.8 P71 BN71B4**	123
46	73	2.7	29.6	4130	**C222_29.6 S1 M1SD4**	126	**C222_29.6 P71 BN71B4**	127
46	73	1.2	29.5	2000	**C122_29.5 S1 M1SD4**	122	**C122_29.5 P71 BN71B4**	123
50	67	3.0	27.2	4100	**C222_27.2 S1 M1SD4**	126	**C222_27.2 P71 BN71B4**	127
54	63	1.4	25.4	2000	**C122_25.4 S1 M1SD4**	122	**C122_25.4 P71 BN71B4**	123
56	60	3.3	24.3	3920	**C222_24.3 S1 M1SD4**	126	**C222_24.3 P71 BN71B4**	127
59	57	1.5	23.2	2000	**C122_23.2 S1 M1SD4**	122	**C122_23.2 P71 BN71B4**	123
66	51	1.6	20.6	2000	**C122_20.6 S1 M1SD4**	122	**C122_20.6 P71 BN71B4**	123
74	45	1.7	18.4	2000	**C122_18.4 S1 M1SD4**	122	**C122_18.4 P71 BN71B4**	123
80	42	1.8	17.2	2000	**C122_17.2 S1 M1SD4**	122	**C122_17.2 P71 BN71B4**	123
88	39	1.0	15.6	580	**C052_15.6 S1 M1SD4**	121		
89	38	1.9	15.4	2000	**C122_15.4 S1 M1SD4**	122	**C122_15.4 P71 BN71B4**	123
102	33	2.1	13.4	2000	**C122_13.4 S1 M1SD4**	122	**C122_13.4 P71 BN71B4**	123



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
110	31	1.3	12.5	600	C052_12.5 S1 M1SD4	121		
115	29	2.3	11.9	2000	C122_11.9 S1 M1SD4	122	C122_11.9 P71 BN71B4	123
122	28	1.4	11.2	590	C052_11.2 S1 M1SD4	121		
136	25	2.5	10.1	1930	C122_10.1 S1 M1SD4	122	C122_10.1 P71 BN71B4	123
147	23	1.3	9.3	580	C052_9.3 S1 M1SD4	121		
155	22	2.7	8.8	1850	C122_8.8 S1 M1SD4	122	C122_8.8 P71 BN71B4	123
164	20	2.2	5.5	570	C052_5.5 S1 M1LA6	121		
180	19	3.0	7.6	1780	C122_7.6 S1 M1SD4	122	C122_7.6 P71 BN71B4	123
185	18	1.6	7.4	570	C052_7.4 S1 M1SD4	121		
204	17	1.8	6.7	560	C052_6.7 S1 M1SD4	121		
220	15	3.4	6.2	1650	C122_6.2 S1 M1SD4	122	C122_6.2 P71 BN71B4	123
235	14	3.7	11.9	1610	C122_11.9 S05 M05C2	122	C122_11.9 P71 BN71A2	123
249	14	2.2	5.5	540	C052_5.5 S1 M1SD4	121		
273	12	4.0	10.1	1570	C122_10.1 S05 M05C2	122	C122_10.1 P71 BN71A2	123
318	11	4.5	8.8	1500	C122_8.8 S05 M05C2	122	C122_8.8 P71 BN71A2	123
361	9	4.8	7.6	1440	C122_7.6 S05 M05C2	122	C122_7.6 P71 BN71A2	123
452	7	5.7	6.2	1350	C122_6.2 S05 M05C2	122	C122_6.2 P71 BN71A2	123
500	7	6.0	5.6	1290	C122_5.6 S05 M05C2	122	C122_5.6 P71 BN71A2	123
577	6	6.5	4.9	1230	C122_4.9 S05 M05C2	122	C122_4.9 P71 BN71A2	123
651	5	7.0	4.3	1180	C122_3.2 S05 M05C2	122	C122_3.2 P71 BN71A2	123
770	4	7.8	3.7	1120	C122_3.7 S05 M05C2	122	C122_3.7 P71 BN71A2	123
875	4	8.4	3.2	1080	C122_3.2 S05 M05C2	122	C122_3.2 P71 BN71A2	123
1015	3	9.1	2.8	1030	C122_2.8 S05 M05C2	122	C122_2.8 P71 BN71A2	123

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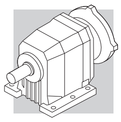
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.74	6442	1.1	1240	60000	C904_1240 S2 M2SA6	156	C904_1240 P80 BN80B6	157
0.85	5616	2.1	1081	85000	C1004_1081 S2 M2SA6	159	C1004_1081 P80 BN80B6	160
1.0	4792	1.5	922.3	60000	C904_922.3 S2 M2SA6	156	C904_922.3 P80 BN80B6	157
1.1	4381	0.9	1274	35000	C804_1274 S1 M1LA4	153	C804_1274 P80 BN80A4	154
1.1	4295	1.7	1240	60000	C904_1240 S1 M1LA4	156	C904_1240 P80 BN80A4	157
1.3	3549	1.1	1032	35000	C804_1032 S1 M1LA4	153	C804_1032 P80 BN80A4	154
1.4	3484	2.1	1006	60000	C904_1006 S1 M1LA4	156	C904_1006 P80 BN80A4	157
1.6	2939	1.4	854.6	35000	C804_854.6 S1 M1LA4	153	C804_854.6 P80 BN80A4	154
1.6	2923	2.5	844.0	65000	C904_844.0 S1 M1LA4	156	C904_844.0 P80 BN80A4	157
1.9	2531	0.9	736.0	25000	C704_736.0 S1 M1LA4	150	C704_736.0 P80 BN80A4	151
1.9	2492	1.6	724.7	35000	C804_724.7 S1 M1LA4	153	C804_724.7 P80 BN80A4	154
2.1	2284	1.8	664.3	35000	C804_664.3 S1 M1LA4	153	C804_664.3 P80 BN80A4	154
2.1	2260	1.0	657.3	25000	C704_657.3 S1 M1LA4	150	C704_657.3 P80 BN80A4	151
2.4	1978	0.8	571.2	16000	C614_571.2 S1 M1LA4	146	C614_571.2 P80 BN80A4	147
2.5	1907	1.2	554.7	25000	C704_554.7 S1 M1LA4	150	C704_554.7 P80 BN80A4	151
2.6	1820	2.2	529.3	35000	C804_529.3 S1 M1LA4	153	C804_529.3 P80 BN80A4	154
3.0	1600	1.0	462.0	16000	C614_462.0 S1 M1LA4	146	C614_462.0 P80 BN80A4	147
3.1	1566	2.6	455.4	35000	C804_455.4 S1 M1LA4	153	C804_455.4 P80 BN80A4	154
3.1	1525	1.5	443.5	25000	C704_443.5 S1 M1LA4	150	C704_443.5 P80 BN80A4	151
3.3	1460	1.1	421.5	16000	C614_421.5 S1 M1LA4	146	C614_421.5 P80 BN80A4	147
3.6	1315	0.8	379.6	10000	C514_379.6 S1 M1LA4	142	C514_379.6 P80 BN80A4	143
3.7	1282	1.2	370.1	16000	C614_370.1 S1 M1LA4	146	C614_370.1 P80 BN80A4	147
3.8	1254	3.2	364.7	35000	C804_364.7 S1 M1LA4	153	C804_364.7 P80 BN80A4	154
4.0	1184	1.9	344.3	25000	C704_344.3 S1 M1LA4	150	C704_344.3 P80 BN80A4	151
4.1	1170	1.4	337.7	16000	C614_337.7 S1 M1LA4	146	C614_337.7 P80 BN80A4	147
4.2	1130	0.9	326.1	10000	C514_326.1 S1 M1LA4	142	C514_326.1 P80 BN80A4	143
4.6	1031	1.0	297.8	10000	C514_297.8 S1 M1LA4	142	C514_297.8 P80 BN80A4	143
5.0	953	1.7	275.3	16000	C614_275.3 S1 M1LA4	146	C614_275.3 P80 BN80A4	147
5.1	936	2.5	272.2	25000	C704_272.2 S1 M1LA4	150	C704_272.2 P80 BN80A4	151
5.2	914	1.1	263.8	10000	C514_263.8 S1 M1LA4	142	C514_263.8 P80 BN80A4	143
5.7	834	1.2	240.9	10000	C514_240.9 S1 M1LA4	142	C514_240.9 P80 BN80A4	143
5.8	847	2.7	239.3	25000			C703_239.3 P80 BN80A4	151
5.8	825	1.9	238.3	16000	C614_238.3 S1 M1LA4	146	C614_238.3 P80 BN80A4	147



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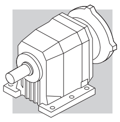
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
6.2	782	2.9	220.9	25000			**C703_220.9 P80 BN80A4**	151
6.3	753	2.1	217.4	16000	**C614_217.4 S1 M1LA4**	146	**C614_217.4 P80 BN80A4**	147
6.4	767	1.3	216.7	10000	**C513_216.7 S1 M1LA4**	142	**C513_216.7 P80 BN80A4**	143
7.0	700	1.4	197.9	10000	**C513_197.9 S1 M1LA4**	142	**C513_197.9 P80 BN80A4**	143
7.0	693	2.3	195.8	16000			**C613_195.8 P80 BN80A4**	146
7.1	687	3.3	194.1	25000			**C703_194.1 P80 BN80A4**	151
7.7	637	0.9	179.9	7000	**C413_179.9 S1 M1LA4**	138	**C413_179.9 P80 BN80A4**	139
7.7	632	2.5	178.6	16000			**C613_178.6 P80 BN80A4**	146
7.9	622	1.6	175.8	10000	**C513_175.8 S1 M1LA4**	142	**C513_175.8 P80 BN80A4**	143
8.4	582	2.7	164.5	16000			**C613_164.5 P80 BN80A4**	146
8.4	581	1.0	164.1	7000	**C413_164.1 S1 M1LA4**	138	**C413_164.1 P80 BN80A4**	139
8.6	568	1.8	160.5	10000	**C513_160.5 S1 M1LA4**	142	**C513_160.5 P80 BN80A4**	143
9.2	531	3.0	150.0	16000			**C613_150.0 P80 BN80A4**	146
9.4	522	1.9	147.4	10000	**C513_147.4 S1 M1LA4**	142	**C513_147.4 P80 BN80A4**	143
9.5	516	1.2	145.6	7000	**C413_145.6 S1 M1LA4**	138	**C413_145.6 P80 BN80A4**	139
9.8	497	3.2	140.5	16000			**C613_140.5 P80 BN80A4**	146
9.9	494	0.9	139.8	6500	**C363_139.8 S1 M1LA4**	134	**C363_139.8 P80BN80A4**	135
10.3	477	2.1	134.6	10000	**C513_134.6 S1 M1LA4**	142	**C513_134.6 P80 BN80A4**	143
10.4	470	1.3	132.9	7000	**C413_132.9 S1 M1LA4**	138	**C413_132.9 P80 BN80A4**	139
11.0	445	1.0	125.8	6500	**C363_125.8 S1 M1LA4**	134	**C363_125.8 P80BN80A4**	135
11.1	440	2.3	124.4	10000	**C513_124.4 S1 M1LA4**	142	**C513_124.4 P80 BN80A4**	143
11.4	427	1.4	120.6	7000	**C413_120.6 S1 M1LA4**	138	**C413_120.6 P80 BN80A4**	139
12.1	402	2.5	113.6	10000	**C513_113.6 S1 M1LA4**	142	**C513_113.6 P80 BN80A4**	143
12.4	394	1.1	111.5	6500	**C363_111.5 S1 M1LA4**	134	**C363_111.5 P80BN80A4**	135
12.5	390	1.5	110.1	7000	**C413_110.1 S1 M1LA4**	138	**C413_110.1 P80 BN80A4**	139
13.5	362	1.7	102.3	7000	**C413_102.3 S1 M1LA4**	138	**C413_102.3 P80 BN80A4**	139
13.5	361	1.2	102.2	6500	**C363_102.2 S1 M1LA4**	134	**C363_102.2 P80BN80A4**	135
13.6	360	2.8	101.8	10000	**C513_101.8 S1 M1LA4**	142	**C513_101.8 P80 BN80A4**	143
14.7	333	0.9	94.2	5500	**C323_94.2 S1 M1LA4**	130	**C323_94.2 P80BN80A4**	131
14.8	330	1.8	93.3	7000	**C413_93.3 S1 M1LA4**	138	**C413_93.3 P80 BN80A4**	139
14.8	329	3.0	93.0	10000	**C513_93.0 S1 M1LA4**	142	**C513_93.0 P80 BN80A4**	143
15.0	325	1.4	91.9	6500	**C363_91.9 S1 M1LA4**	134	**C363_91.9 P80BN80A4**	135
16.6	294	1.5	83.1	6500	**C363_83.1 S1 M1LA4**	134	**C363_83.1 P80BN80A4**	135
16.7	292	1.0	82.6	5500	**C323_82.6 S1 M1LA4**	130	**C323_82.6 P80BN80A4**	131
16.9	289	2.1	81.5	7000	**C413_81.5 S1 M1LA4**	138	**C413_81.5 P80 BN80A4**	139
17.5	284	1.1	52.4	5500	**C322_52.4 S2 M2SA6**	130	**C322_52.4 P80 BN80B6**	131
17.8	274	1.6	77.6	6500	**C363_77.6 S1 M1LA4**	134	**C363_77.6 P80BN80A4**	135
18.5	264	1.1	74.7	5500	**C323_74.7 S1 M1LA4**	130	**C323_74.7 P80BN80A4**	131
18.6	263	2.3	74.4	7000	**C413_74.4 S1 M1LA4**	138	**C413_74.4 P80 BN80A4**	139
19.5	250	1.8	70.8	6500	**C363_70.8 S1 M1LA4**	134	**C363_70.8 P80BN80A4**	135
20.7	241	0.9	66.8	5500	**C322_66.8 S1 M1LA4**	130	**C322_66.8 P80BN80A4**	131
21.5	228	2.6	64.3	7000	**C413_64.3 S1 M1LA4**	138	**C413_64.3 P80 BN80A4**	139
22.2	219	2.1	62.0	6500	**C363_62.0 S1 M1LA4**	134	**C363_62.0 P80BN80A4**	135
22.6	221	1.4	40.7	5500	**C322_40.7 S2 M2SA6**	130	**C322_40.7 P80 BN80B6**	131
23.0	212	0.9	60.0	4280	**C223_60.0 S1 M1LA4**	126	**C223_60.0 P80BN80A4**	127
23.2	214	1.0	59.4	5500	**C322_59.4 S1 M1LA4**	130	**C322_59.4 P80BN80A4**	131
23.5	208	2.9	58.7	7000	**C413_58.7 S1 M1LA4**	138	**C413_58.7 P80 BN80A4**	139
24.6	198	2.3	56.2	6500	**C363_56.2 S1 M1LA4**	134	**C363_56.2 P80BN80A4**	135
26.3	189	1.6	52.4	5500	**C322_52.4 S1 M1LA4**	130	**C322_52.4 P80BN80A4**	131
26.8	182	3.3	51.5	7000	**C413_51.5 S1 M1LA4**	138	**C413_51.5 P80 BN80A4**	139
27.8	180	1.1	33.1	4270	**C222_33.1 S2 M2SA6**	126	**C222_33.1 P80 BN80B6**	127
28.7	170	2.6	48.2	6500	**C363_48.2 S1 M1LA4**	134	**C363_48.2 P80BN80A4**	135
30	163	1.8	45.3	5500	**C322_45.3 S1 M1LA4**	130	**C322_45.3 P80BN80A4**	131
31	162	3.1	44.8	7000	**C412_44.8 S1 M1LA4**	138	**C412_44.8 P80 BN80A4**	139
32	154	2.9	43.5	6500	**C363_43.5 S1 M1LA4**	134	**C363_43.5 P80BN80A4**	135
32	156	1.2	43.3	4190	**C222_43.3 S1 M1LA4**	126	**C222_43.3 P80BN80A4**	127
34	147	2.0	40.7	5500	**C322_40.7 S1 M1LA4**	130	**C322_40.7 P80BN80A4**	131
36	135	3.3	38.1	6500	**C363_38.1 S1 M1LA4**	134	**C363_38.1 P80BN80A4**	135
38	133	1.5	36.8	4070	**C222_36.8 S1 M1LA4**	126	**C222_36.8 P80BN80A4**	127
38	130	2.3	36.1	5500	**C322_36.1 S1 M1LA4**	130	**C322_36.1 P80BN80A4**	131
42	119	1.7	33.1	3970	**C222_33.1 S1 M1LA4**	126	**C222_33.1 P80BN80A4**	127
42	119	2.5	33.1	5500	**C322_33.1 S1 M1LA4**	130	**C322_33.1 P80BN80A4**	131
46	107	2.8	29.8	5500	**C322_29.8 S1 M1LA4**	130	**C322_29.8 P80BN80A4**	131
47	107	1.9	29.6	3890	**C222_29.6 S1 M1LA4**	126	**C222_29.6 P80BN80A4**	127
47	106	0.8	29.5	1820	**C122_29.5 S1 M1LA4**	122	**C122_29.5 P80BN80A4**	123



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n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
51	98	2.0	27.2	3860	**C222_27.2 S1 M1LA4**	126	**C222_27.2 P80BN80A4**	127
51	97	3.1	26.9	5500	**C322_26.9 S1 M1LA4**	130	**C322_26.9 P80BN80A4**	131
54	92	1.0	25.4	2000	**C122_25.4 S1 M1LA4**	122	**C122_25.4 P80BN80A4**	123
55	91	3.3	25.1	5500	**C322_25.1 S1 M1LA4**	130	**C322_25.1 P80BN80A4**	131
57	88	2.3	24.3	3720	**C222_24.3 S1 M1LA4**	126	**C222_24.3 P80BN80A4**	127
59	84	1.0	23.2	2000	**C122_23.2 S1 M1LA4**	122	**C122_23.2 P80BN80A4**	123
64	77	2.5	21.5	3700	**C222_21.5 S1 M1LA4**	126	**C222_21.5 P80BN80A4**	127
67	74	1.1	20.6	2000	**C122_20.6 S1 M1LA4**	122	**C122_20.6 P80BN80A4**	123
69	72	2.6	20.0	3560	**C222_20.0 S1 M1LA4**	126	**C222_20.0 P80BN80A4**	127
75	66	1.2	18.4	2000	**C122_18.4 S1 M1LA4**	122	**C122_18.4 P80BN80A4**	123
76	65	2.8	18.1	3500	**C222_18.1 S1 M1LA4**	126	**C222_18.1 P80BN80A4**	127
80	62	1.2	17.2	2000	**C122_17.2 S1 M1LA4**	122	**C122_17.2 P80BN80A4**	123
87	57	3.1	15.8	3350	**C222_15.8 S1 M1LA4**	126	**C222_15.8 P80BN80A4**	127
89	56	1.3	15.4	2000	**C122_15.4 S1 M1LA4**	122	**C122_15.4 P80BN80A4**	123
95	53	3.2	14.5	3300	**C222_14.5 S1 M1LA4**	126	**C222_14.5 P80BN80A4**	127
103	48	1.4	13.4	1990	**C122_13.4 S1 M1LA4**	122	**C122_13.4 P80BN80A4**	123
116	43	1.6	11.9	1920	**C122_11.9 S1 M1LA4**	122	**C122_11.9 P80BN80A4**	123
121	41	1.6	7.6	1910	**C122_7.6 S2 M2SA6**	122	**C122_7.6 P80 BN80B6**	123
123	40	1.0	11.2	480	**C052_11.2 S1 M1LA4**	121		
137	36	1.7	10.1	1850	**C122_10.1 S1 M1LA4**	122	**C122_10.1 P80BN80A4**	123
151	33	3.3	6.1	2860	**C222_6.1 S2 M2SA6**	126	**C222_6.1 P80 BN80B6**	127
156	32	1.9	8.8	1780	**C122_8.8 S1 M1LA4**	122	**C122_8.8 P80BN80A4**	123
181	28	2.0	7.6	1720	**C122_7.6 S1 M1LA4**	122	**C122_7.6 P80BN80A4**	123
186	27	1.1	7.4	460	**C052_7.4 S1 M1LA4**	121		
206	24	1.2	6.7	450	**C052_6.7 S1 M1LA4**	121		
221	22	2.4	6.2	1590	**C122_6.2 S1 M1LA4**	122	**C122_6.2 P80BN80A4**	123
237	21	2.5	11.9	1580	**C122_11.9 S1 M1SD2**	122	**C122_11.9 P71 BN71B2**	123
246	20	2.5	5.6	1540	**C122_5.6 S1 M1LA4**	122	**C122_5.6 P80BN80A4**	123
251	20	1.5	5.5	430	**C052_5.5 S1 M1LA4**	121		
279	18	2.7	10.1	1530	**C122_10.1 S1 M1SD2**	122	**C122_10.1 P71 BN71B2**	123
283	18	2.7	4.9	1490	**C122_4.9 S1 M1LA4**	122	**C122_4.9 P80BN80A4**	123
320	16	3.0	8.8	1470	**C122_8.8 S1 M1SD2**	122	**C122_8.8 P71 BN71B2**	123
320	16	2.9	4.3	1420	**C122_4.3 S1 M1LA4**	122	**C122_4.3 P80BN80A4**	123
369	14	3.3	7.6	1410	**C122_7.6 S1 M1SD2**	122	**C122_7.6 P71 BN71B2**	123
378	13	3.2	3.7	1370	**C122_3.7 S1 M1LA4**	122	**C122_3.7 P80BN80A4**	123
451	11	3.8	6.2	1300	**C122_6.2 S1 M1SD2**	122	**C122_6.2 P71 BN71B2**	123
504	10	4.0	5.6	1260	**C122_5.6 S1 M1SD2**	122	**C122_5.6 P71 BN71B2**	123
577	9	4.4	4.9	1210	**C122_4.9 S1 M1SD2**	122	**C122_4.9 P71 BN71B2**	123
656	8	4.7	4.3	1170	**C122_4.3 S1 M1SD2**	122	**C122_4.3 P71 BN71B2**	123
770	6	5.2	3.7	1110	**C122_3.7 S1 M1SD2**	122	**C122_3.7 P71 BN71B2**	123
881	6	5.7	3.2	990	**C122_3.2 S1 M1SD2**	122	**C122_3.2 P71 BN71B2**	123
1007	5	6.1	2.8	950	**C122_2.8 S1 M1SD2**	122	**C122_2.8 P71 BN71B2**	123

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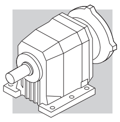
n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
0.86	7413	1.6	1081	85000	**C1004_1081 S3 ME3SA6**	159	**C1004_1081 P90 BE90S6**	160
0.93	6973	1.0	1006	60000	**C904_1006 S3 ME3SA6**	156	**C904_1006 P90 BE90S6**	157
1.2	5582	1.3	1240	60000	**C904_1240 S2 ME2SB4**	156	**C904_1240 P80 BE80B4**	157
1.3	5117	1.4	1137	60000	**C904_1137 S2 ME2SB4**	156	**C904_1137 P80 BE80B4**	157
1.3	4865	2.5	1081	85000	**C1004_1081 S2 ME2SB4**	159	**C1004_1081 P80 BE80B4**	160
1.4	4528	1.6	1006	60000	**C904_1006 S2 ME2SB4**	156	**C904_1006 P80 BE80B4**	157
1.4	4517	2.7	1004	85000	**C1004_1004 S2 ME2SB4**	159	**C1004_1004 P80 BE80B4**	160
1.5	4256	0.9	945.7	35000	**C804_945.7 S2 ME2SB4**	153	**C804_945.7 P80 BE80B4**	154
1.6	4150	1.7	922.3	60000	**C904_922.3 S2 ME2SB4**	156	**C904_922.3 P80 BE80B4**	157
1.6	4087	2.9	908.2	85000	**C1004_908.2 S2 ME2SB4**	159	**C1004_908.2 P80 BE80B4**	160
1.7	3846	1.0	854.6	35000	**C804_854.6 S2 ME2SB4**	153	**C804_854.6 P80 BE80B4**	154
1.7	3798	1.9	844.0	6000	**C904_844.0 S2 ME2SB4**	156	**C904_844.0 P80 BE80B4**	157
1.8	3525	1.1	783.4	35000	**C804_783.4 S2 ME2SB4**	153	**C804_783.4 P80 BE80B4**	154
1.8	3481	2.1	773.6	60000	**C904_773.6 S2 ME2SB4**	156	**C904_773.6 P80 BE80B4**	157
2.0	3261	1.2	724.7	35000	**C804_724.7 S2 ME2SB4**	153	**C804_724.7 P80 BE80B4**	154
2.0	3205	2.2	712.2	60000	**C904_712.2 S2 ME2SB4**	156	**C904_712.2 P80 BE80B4**	157



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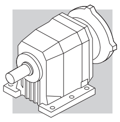
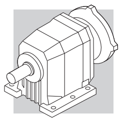
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
2.2	2989	1.3	664.3	35000	**C804_664.3 S2 ME2SB4**	153	**C804_664.3 P80 BE80B4**	154
2.2	2938	2.5	652.8	60000	**C904_652.8 S2 ME2SB4**	156	**C904_652.8 P80 BE80B4**	157
2.5	2623	2.7	582.8	60000	**C904_582.8 S2 ME2SB4**	156	**C904_582.8 P80 BE80B4**	157
2.5	2598	1.5	577.4	35000	**C804_577.4 S2 ME2SB4**	153	**C804_577.4 P80 BE80B4**	154
2.6	2496	0.9	554.7	25000	**C704_554.7 S2 ME2SB4**	150	**C704_554.7 P80 BE80B4**	151
2.7	2404	3.0	534.2	60000	**C904_534.2 S2 ME2SB4**	156	**C904_534.2 P80 BE80B4**	157
2.7	2382	1.7	529.3	35000	**C804_529.3 S2 ME2SB4**	153	**C804_529.3 P80 BE80B4**	154
2.8	2304	1.0	512.0	25000	**C704_512.0 S2 ME2SB4**	150	**C704_512.0 P80 BE80B4**	151
3.1	2049	2.0	455.4	35000	**C804_455.4 S2 ME2SB4**	153	**C804_455.4 P80 BE80B4**	154
3.2	1996	1.2	443.5	25000	**C704_443.5 S2 ME2SB4**	150	**C704_443.5 P80 BE80B4**	151
3.4	1897	0.8	421.5	16000	**C614_421.5 S2 ME2SB4**	146	**C614_421.5 P80 BE80B4**	147
3.4	1879	2.1	417.5	35000	**C804_417.5 S2 ME2SB4**	153	**C804_417.5 P80 BE80B4**	154
3.5	1842	1.2	409.4	25000	**C704_409.4 S2 ME2SB4**	150	**C704_409.4 P80 BE80B4**	151
3.9	1666	1.0	370.1	16000	**C614_370.1 S2 ME2SB4**	146	**C614_370.1 P80 BE80B4**	147
3.9	1696	1.4	239.3	25000	**C703_239.3 S3 ME3SA6**	150	**C703_239.3 P90 BE90S6**	151
3.9	1641	2.4	364.7	35000	**C804_364.7 S2 ME2SB4**	153	**C804_364.7 P80 BE80B4**	154
4.2	1550	1.5	344.3	25000	**C704_344.3 S2 ME2SB4**	150	**C704_344.3 P80 BE80B4**	151
4.2	1520	1.1	337.7	16000	**C614_337.7 S2 ME2SB4**	146	**C614_337.7 P80 BE80B4**	147
4.3	1504	2.7	334.3	35000	**C804_334.3 S2 ME2SB4**	153	**C804_334.3 P80 BE80B4**	154
4.3	1529	2.6	215.8	35000	**C803_215.8 S3 ME3SA6**	153	**C803_215.8 P90 BE90S6**	154
4.5	1430	1.6	317.9	25000	**C704_317.9 S2 ME2SB4**	150	**C704_317.9 P80 BE80B4**	151
4.7	1358	1.2	301.7	16000	**C614_301.7 S2 ME2SB4**	146	**C614_301.7 P80 BE80B4**	147
4.8	1387	1.2	195.8	16000	**C613_195.8 S3 ME3SA6**	146	**C613_195.8 P90 BE90S6**	147
5.2	1239	1.3	275.3	16000	**C614_275.3 S2 ME2SB4**	146	**C614_275.3 P80 BE80B4**	147
5.2	1265	1.3	178.6	16000	**C613_178.6 S3 ME3SA6**	146	**C613_178.6 P90 BE90S6**	147
5.3	1225	1.9	272.2	25000	**C704_272.2 S2 ME2SB4**	150	**C704_272.2 P80 BE80B4**	151
5.4	1187	0.8	263.8	10000	**C514_263.8 S2 ME2SB4**	142	**C514_263.8 P80 BE80B4**	143
5.7	1165	1.4	164.5	16000	**C613_164.5 S3 ME3SA6**	146	**C613_164.5 P90 BE90S6**	147
5.7	1131	2.0	251.3	25000	**C704_251.3 S2 ME2SB4**	150	**C704_251.3 P80 BE80B4**	151
5.9	1084	0.9	240.9	10000	**C514_240.9 S2 ME2SB4**	142	**C514_240.9 P80 BE80B4**	143
6.0	1113	2.1	239.3	25000	**C703_239.3 S2 ME2SB4**	150	**C703_239.3 P80 BE80B4**	151
6.0	1072	1.5	238.3	16000	**C614_238.3 S2 ME2SB4**	146	**C614_238.3 P80 BE80B4**	147
6.5	1027	2.2	220.9	25000	**C703_220.9 S2 ME2SB4**	150	**C703_220.9 P80 BE80B4**	151
6.6	978	1.6	217.4	16000	**C614_217.4 S2 ME2SB4**	146	**C614_217.4 P80 BE80B4**	147
6.6	1008	1.0	216.7	10000	**C513_216.7 S2 ME2SB4**	142	**C513_216.7 P80 BE80B4**	143
7.2	920	1.1	197.9	10000	**C513_197.9 S2 ME2SB4**	142	**C513_197.9 P80 BE80B4**	143
7.3	881	1.8	195.8	16000	**C613_195.8 S2 ME2SB4**	146	**C613_195.8 P80 BE80B4**	147
7.4	903	2.5	194.1	25000	**C703_194.1 S2 ME2SB4**	150	**C703_194.1 P80 BE80B4**	151
8.0	833	2.8	179.2	25000	**C703_179.2 S2 ME2SB4**	150	**C703_179.2 P80 BE80B4**	151
8.0	804	2.0	178.6	16000	**C613_178.6 S2 ME2SB4**	146	**C613_178.6 P80 BE80B4**	147
8.1	817	1.2	175.8	10000	**C513_175.8 S2 ME2SB4**	142	**C513_175.8 P80 BE80B4**	143
8.7	740	2.2	164.5	16000	**C613_164.5 S2 ME2SB4**	146	**C613_164.5 P80 BE80B4**	147
8.8	757	3.0	162.8	25000	**C703_162.8 S2 ME2SB4**	150	**C703_162.8 P80 BE80B4**	151
8.9	746	1.3	160.5	10000	**C513_160.5 S2 ME2SB4**	142	**C513_160.5 P80 BE80B4**	143
9.5	675	2.4	150.0	16000	**C613_150.0 S2 ME2SB4**	146	**C613_150.0 P80 BE80B4**	147
9.7	686	1.5	147.4	10000	**C513_147.4 S2 ME2SB4**	142	**C513_147.4 P80 BE80B4**	143
10.2	632	2.5	140.5	16000	**C613_140.5 S2 ME2SB4**	146	**C613_140.5 P80 BE80B4**	147
10.6	626	1.6	134.6	10000	**C513_134.6 S2 ME2SB4**	142	**C513_134.6 P80 BE80B4**	143
10.8	618	1.0	132.9	7000	**C413_132.9 S2 ME2SB4**	138	**C413_132.9 P80 BE80B4**	139
11.2	577	2.8	128.1	16000	**C613_128.1 S2 ME2SB4**	146	**C613_128.1 P80 BE80B4**	147
11.5	579	1.7	124.4	10000	**C513_124.4 S2 ME2SB4**	142	**C513_124.4 P80 BE80B4**	143
11.9	561	1.1	120.6	7000	**C413_120.6 S2 ME2SB4**	138	**C413_120.6 P80 BE80B4**	139
12.6	511	3.1	113.6	16000	**C613_113.6 S2 ME2SB4**	146	**C613_113.6 P80 BE80B4**	147
12.6	528	1.9	113.6	10000	**C513_113.6 S2 ME2SB4**	142	**C513_113.6 P80 BE80B4**	143
13.0	512	1.2	110.1	7000	**C413_110.1 S2 ME2SB4**	138	**C413_110.1 P80 BE80B4**	139
13.8	466	3.4	103.6	16000	**C613_103.6 S2 ME2SB4**	146	**C613_103.6 P80 BE80B4**	147
14.0	476	1.3	102.3	7000	**C413_102.3 S2 ME2SB4**	138	**C413_102.3 P80 BE80B4**	139
14.0	475	0.9	102.2	6500	**C363_102.2 S2 ME2SB4**	134	**C363_102.2 P80 BE80B4**	135
14.0	473	2.1	101.8	10000	**C513_101.8 S2 ME2SB4**	142	**C513_101.8 P80 BE80B4**	143
15.3	434	1.4	93.3	7000	**C413_93.3 S2 ME2SB4**	138	**C413_93.3 P80 BE80B4**	139
15.4	432	2.3	93.0	10000	**C513_93.0 S2 ME2SB4**	142	**C513_93.0 P80 BE80B4**	143
15.6	427	1.1	91.9	6500	**C363_91.9 S2 ME2SB4**	134	**C363_91.9 P80 BE80B4**	135
17.2	387	1.2	83.1	6500	**C363_83.1 S2 ME2SB4**	134	**C363_83.1 P80 BE80B4**	135
17.5	379	1.6	81.5	7000	**C413_81.5 S2 ME2SB4**	138	**C413_81.5 P80 BE80B4**	139
17.9	371	2.7	79.9	10000	**C513_79.9 S2 ME2SB4**	142	**C513_79.9 P80 BE80B4**	143
18.4	361	1.2	77.6	6500	**C363_77.6 S2 ME2SB4**	134	**C363_77.6 P80 BE80B4**	135
19.2	346	1.7	74.4	7000	**C413_74.4 S2 ME2SB4**	138	**C413_74.4 P80 BE80B4**	139
19.6	339	2.9	72.9	10000	**C513_72.9 S2 ME2SB4**	142	**C513_72.9 P80 BE80B4**	143
20.2	329	1.4	70.8	6500	**C363_70.8 S2 ME2SB4**	134	**C363_70.8 P80 BE80B4**	135



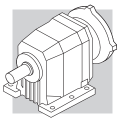
0.75 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
22.1	300	3.3	64.6	10000	**C513_64.6 S2 ME2SB4**	142	**C513_64.6 P80 BE80B4**	143
22.2	299	2.0	64.3	7000	**C413_64.3 S2 ME2SB4**	138	**C413_64.3 P80 BE80B4**	139
23.0	295	1.0	40.7	5500	**C322_40.7 S3 ME3SA6**	130	**C322_40.7 P90 BE90S6**	131
23.1	288	1.6	62.0	6500	**C363_62.0 S2 ME2SB4**	134	**C363_62.0 P80 BE80B4**	135
24.4	273	2.2	58.7	7000	**C413_58.7 S2 ME2SB4**	138	**C413_58.7 P80 BE80B4**	139
25.1	271	2.9	57.0	10000	**C512_57.0 S2 ME2SB4**	142	**C512_57.0 P80 BE80B4**	143
25.5	261	1.7	56.2	6500	**C363_56.2 S2 ME2SB4**	134	**C363_56.2 P80 BE80B4**	135
27.3	249	1.2	52.4	5500	**C322_52.4 S2 ME2SB4**	130	**C322_52.4 P80 BE80B4**	131
27.8	239	2.5	51.5	7000	**C413_51.5 S2 ME2SB4**	138	**C413_51.5 P80 BE80B4**	139
27.8	244	2.9	51.4	10000	**C512_51.4 S2 ME2SB4**	142	**C512_51.4 P80 BE80B4**	143
29.7	224	2.0	48.2	6500	**C363_48.2 S2 ME2SB4**	134	**C363_48.2 P80 BE80B4**	135
29.9	227	3.5	47.8	10000	**C512_47.8 S2 ME2SB4**	142	**C512_47.8 P80 BE80B4**	143
30	218	2.7	47.0	7000	**C413_47.0 S2 ME2SB4**	138	**C413_47.0 P80 BE80B4**	139
32	215	1.4	45.3	5500	**C322_45.3 S2 ME2SB4**	130	**C322_45.3 P80 BE80B4**	131
32	213	2.4	44.8	7000	**C412_44.8 S2 ME2SB4**	138	**C412_44.8 P80 BE80B4**	139
33	202	2.2	43.5	6500	**C363_43.5 S2 ME2SB4**	134	**C363_43.5 P80 BE80B4**	135
33	206	0.9	43.3	3810	**C222_43.3 S2 ME2SB4**	126	**C222_43.3 P80 BE80B4**	127
35	193	1.6	40.7	5500	**C322_40.7 S2 ME2SB4**	130	**C322_40.7 P80 BE80B4**	131
38	177	2.5	38.1	6500	**C363_38.1 S2 ME2SB4**	134	**C363_38.1 P80 BE80B4**	135
39	176	2.8	37.1	7000	**C412_37.1 S2 ME2SB4**	138	**C412_37.1 P80 BE80B4**	139
39	175	1.1	36.8	3750	**C222_36.8 S2 ME2SB4**	126	**C222_36.8 P80 BE80B4**	127
40	171	1.7	36.1	5500	**C322_36.1 S2 ME2SB4**	130	**C322_36.1 P80 BE80B4**	131
41	161	2.8	34.6	6500	**C363_34.6 S2 ME2SB4**	134	**C363_34.6 P80 BE80B4**	135
43	159	3.2	33.4	7000	**C412_33.4 S2 ME2SB4**	138	**C412_33.4 P80 BE80B4**	139
43	157	1.3	33.1	3680	**C222_33.1 S2 ME2SB4**	126	**C222_33.1 P80 BE80B4**	127
43	157	1.9	33.1	5500	**C322_33.1 S2 ME2SB4**	130	**C322_33.1 P80 BE80B4**	131
48	141	2.1	29.8	5500	**C322_29.8 S2 ME2SB4**	130	**C322_29.8 P80 BE80B4**	131
48	141	1.4	29.6	3630	**C222_29.6 S2 ME2SB4**	126	**C222_29.6 P80 BE80B4**	127
50	134	3.4	28.7	6490	**C363_28.7 S2 ME2SB4**	134	**C363_28.7 P80 BE80B4**	135
53	129	1.6	27.2	3600	**C222_27.2 S2 ME2SB4**	126	**C222_27.2 P80 BE80B4**	127
53	128	2.3	26.9	5500	**C322_26.9 S2 ME2SB4**	130	**C322_26.9 P80 BE80B4**	131
57	119	2.5	25.1	5460	**C322_25.1 S2 ME2SB4**	130	**C322_25.1 P80 BE80B4**	131
59	115	1.7	24.3	3510	**C222_24.3 S2 ME2SB4**	126	**C222_24.3 P80 BE80B4**	127
62	109	2.7	22.9	5300	**C322_22.9 S2 ME2SB4**	130	**C322_22.9 P80 BE80B4**	131
67	102	1.9	21.5	3480	**C222_21.5 S2 ME2SB4**	126	**C222_21.5 P80 BE80B4**	127
71	95	3.1	20.1	5150	**C322_20.1 S2 ME2SB4**	130	**C322_20.1 P80 BE80B4**	131
71	95	2.0	20.0	3380	**C222_20.0 S2 ME2SB4**	126	**C222_20.0 P80 BE80B4**	127
79	86	2.1	18.1	3350	**C222_18.1 S2 ME2SB4**	126	**C222_18.1 P80 BE80B4**	127
83	82	0.9	17.2	1750	**C122_17.2 S2 ME2SB4**	122	**C122_17.2 P80 BE80B4**	123
90	75	2.3	15.8	3210	**C222_15.8 S2 ME2SB4**	126	**C222_15.8 P80 BE80B4**	127
93	73	1.0	15.4	1920	**C122_15.4 S2 ME2SB4**	122	**C122_15.4 P80 BE80B4**	123
98	69	2.4	14.5	3200	**C222_14.5 S2 ME2SB4**	126	**C222_14.5 P80 BE80B4**	127
107	64	1.1	13.4	1870	**C122_13.4 S2 ME2SB4**	122	**C122_13.4 P80 BE80B4**	123
115	59	2.7	12.4	3030	**C222_12.4 S2 ME2SB4**	126	**C222_12.4 P80 BE80B4**	127
120	56	1.2	11.9	1780	**C122_11.9 S2 ME2SB4**	122	**C122_11.9 P80 BE80B4**	123
129	53	2.9	11.1	2980	**C222_11.1 S2 ME2SB4**	126	**C222_11.1 P80 BE80B4**	127
142	48	1.3	10.1	1760	**C122_10.1 S2 ME2SB4**	122	**C122_10.1 P80 BE80B4**	123
148	46	3.2	9.6	2840	**C222_9.6 S2 ME2SB4**	126	**C222_9.6 P80 BE80B4**	127
162	42	1.4	8.8	1700	**C122_8.8 S2 ME2SB4**	122	**C122_8.8 P80 BE80B4**	123
165	41	3.4	8.7	2760	**C222_8.7 S2 ME2SB4**	126	**C222_8.7 P80 BE80B4**	127
188	36	1.5	7.6	1650	**C122_7.6 S2 ME2SB4**	122	**C122_7.6 P80 BE80B4**	123
229	30	1.8	6.2	1530	**C122_6.2 S2 ME2SB4**	122	**C122_6.2 P80 BE80B4**	123
240	28	2.4	11.9	1520	**C122_11.9 S2 ME2SA2**	122	**C122_11.9 P80 BE80A2**	123
255	27	1.9	5.6	1470	**C122_5.6 S2 ME2SB4**	122	**C122_5.6 P80 BE80B4**	123
283	24	2.6	10.1	1490	**C122_10.1 S2 ME2SA2**	122	**C122_10.1 P80 BE80A2**	123
294	23	2.1	4.9	1440	**C122_4.9 S2 ME2SB4**	122	**C122_4.9 P80 BE80B4**	123
323	21	2.8	8.8	1420	**C122_8.8 S2 ME2SA2**	122	**C122_8.8 P80 BE80A2**	123
332	20	2.2	4.3	1370	**C122_4.3 S2 ME2SB4**	122	**C122_4.3 P80 BE80B4**	123
374	18	3.1	7.6	1380	**C122_7.6 S2 ME2SA2**	122	**C122_7.6 P80 BE80A2**	123
392	17	2.4	3.7	1330	**C122_3.7 S2 ME2SB4**	122	**C122_3.7 P80 BE80B4**	123
446	15	2.6	3.2	1280	**C122_3.2 S2 ME2SB4**	122	**C122_3.2 P80 BE80B4**	123
457	15	3.6	6.2	1280	**C122_6.2 S2 ME2SA2**	122	**C122_6.2 P80 BE80A2**	123
509	13	3.8	5.6	1240	**C122_5.6 S2 ME2SA2**	122	**C122_5.6 P80 BE80A2**	123
517	13	2.8	2.8	1230	**C122_2.8 S2 ME2SB4**	122	**C122_2.8 P80 BE80B4**	123
585	12	4.1	4.9	1190	**C122_4.9 S2 ME2SA2**	122	**C122_4.9 P80 BE80A2**	123
661	10	4.4	4.3	1050	**C122_4.3 S2 ME2SA2**	122	**C122_4.3 P80 BE80A2**	123
781	9	4.8	3.7	1090	**C122_3.7 S2 ME2SA2**	122	**C122_3.7 P80 BE80A2**	123
889	8	5.2	3.2	1050	**C122_3.2 S2 ME2SA2**	122	**C122_3.2 P80 BE80A2**	123
1030	7	5.6	2.8	1010	**C122_2.8 S2 ME2SA2**	122	**C122_2.8 P80 BE80A2**	123



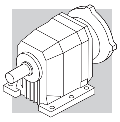
1.1 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
0.87	10815	1.1	1081	85000	**C1004_1081 S3 ME3LA6**	159	**C1004_1081 P100 BE100M6**	160
0.94	10043	1.2	1004	85000	**C1004_908.2 S3 ME3LA6**	159	**C1004_908.2 P100 BE100M6**	160
1.3	7573	1.0	1137	60000	**C904_1137 S3 ME3SA4**	156	**C904_1137 P90 BE90S4**	157
1.3	7200	1.7	1081	85000	**C1004_1081 S3 ME3SA4**	159	**C1004_1081 P90 BE90S4**	160
1.4	6701	1.1	1006	60000	**C904_1006 S3 ME3SA4**	156	**C904_1006 P90 BE90S4**	157
1.4	6686	1.8	1004	85000	**C1004_1004 S3 ME3SA4**	159	**C1004_1004 P90 BE90S4**	160
1.6	6143	1.2	922.3	60000	**C904_922.3 S3 ME3SA4**	156	**C904_922.3 P90 BE90S4**	157
1.6	6049	2.0	908.2	85000	**C1004_908.2 S3 ME3SA4**	159	**C1004_908.2 P90 BE90S4**	160
1.7	5621	1.3	844.0	60000	**C904_844.0 S3 ME3SA4**	156	**C904_844.0 P90 BE90S4**	157
1.7	5617	2.1	843.3	85000	**C1004_843.3 S3 ME3SA4**	159	**C1004_843.3 P90 BE90S4**	160
1.8	5166	2.3	775.7	85000	**C1004_775.7 S3 ME3SA4**	159	**C1004_775.7 P90 BE90S4**	160
1.8	5152	1.4	773.6	60000	**C904_773.6 S3 ME3SA4**	156	**C904_773.6 P90 BE90S4**	157
2.0	4797	2.5	720.3	85000	**C1004_720.3 S3 ME3SA4**	159	**C1004_720.3 P90 BE90S4**	160
2.0	4743	1.5	712.2	60000	**C904_712.2 S3 ME3SA4**	156	**C904_712.2 P90 BE90S4**	157
2.2	4424	0.9	664.3	35000	**C804_664.3 S3 ME3SA4**	153	**C804_664.3 P90 BE90S4**	154
2.2	4348	1.7	652.8	60000	**C904_652.8 S3 ME3SA4**	156	**C904_652.8 P90 BE90S4**	157
2.3	4179	2.9	627.4	85000	**C1004_627.4 S3 ME3SA4**	159	**C1004_627.4 P90 BE90S4**	160
2.5	3881	1.9	582.8	60000	**C904_582.8 S3 ME3SA4**	156	**C904_582.8 P90 BE90S4**	157
2.5	3845	1.0	577.4	35000	**C804_577.4 S3 ME3SA4**	153	**C804_577.4 P90 BE90S4**	154
2.7	3558	2.0	534.2	60000	**C904_534.2 S3 ME3SA4**	156	**C904_534.2 P90 BE90S4**	157
2.7	3525	1.1	529.3	35000	**C804_529.3 S3 ME3SA4**	153	**C804_529.3 P90 BE90S4**	154
3.1	3045	2.4	457.1	60000	**C904_457.1 S3 ME3SA4**	156	**C904_457.1 P90 BE90S4**	157
3.1	3033	1.3	455.4	35000	**C804_455.4 S3 ME3SA4**	153	**C804_455.4 P90 BE90S4**	154
3.4	2791	2.6	419.0	60000	**C904_419.0 S3 ME3SA4**	156	**C904_419.0 P90 BE90S4**	157
3.4	2780	1.4	417.5	35000	**C804_417.5 S3 ME3SA4**	153	**C804_417.5 P90 BE90S4**	154
3.9	2463	2.9	369.8	60000	**C904_369.8 S3 ME3SA4**	156	**C904_369.8 P90 BE90S4**	157
3.9	2429	1.6	364.7	35000	**C804_364.7 S3 ME3SA4**	153	**C804_364.7 P90 BE90S4**	154
4.2	2293	1.0	344.3	25000	**C704_344.3 S3 ME3SA4**	150	**C704_344.3 P90 BE90S4**	151
4.3	2226	1.8	334.3	35000	**C804_334.3 S3 ME3SA4**	153	**C804_334.3 P90 BE90S4**	154
4.5	2117	1.1	317.9	25000	**C704_317.9 S3 ME3SA4**	150	**C704_317.9 P90 BE90S4**	151
4.7	2010	0.8	301.7	16000	**C614_301.7 S3 ME3SA4**	146	**C614_301.7 P90 BE90S4**	147
5.0	1903	2.1	285.7	35000	**C804_285.7 S3 ME3SA4**	153	**C804_285.7 P90 BE90S4**	154
5.2	1833	0.9	275.3	16000	**C614_275.3 S3 ME3SA4**	146	**C614_275.3 P90 BE90S4**	147
5.3	1813	1.3	272.2	25000	**C704_272.2 S3 ME3SA4**	150	**C704_272.2 P90 BE90S4**	151
5.5	1744	2.3	261.9	35000	**C804_261.9 S3 ME3SA4**	153	**C804_261.9 P90 BE90S4**	154
5.7	1674	1.4	251.3	25000	**C704_251.3 S3 ME3SA4**	150	**C704_251.3 P90 BE90S4**	151
5.7	1700	0.9	164.5	16000	**C613_164.5 S3 ME3LA6**	146	**C613_164.5 P100 BE100M6**	147
6.0	1647	1.4	239.3	25000	**C703_239.3 S3 ME3SA4**	150	**C703_239.3 P90 BE90S4**	151
6.0	1587	1.0	238.3	16000	**C614_238.3 S3 ME3SA4**	146	**C614_238.3 P90 BE90S4**	147
6.3	1551	1.0	150.0	16000	**C613_150.0 S3 ME3LA6**	146	**C613_150.0 P100 BE100M6**	147
6.5	1520	1.5	220.9	25000	**C703_220.9 S3 ME3SA4**	150	**C703_220.9 P90 BE90S4**	151
6.6	1448	1.1	217.4	16000	**C614_217.4 S3 ME3SA4**	146	**C614_217.4 P90 BE90S4**	147
6.6	1485	2.7	215.8	35000	**C803_215.8 S3 ME3SA4**	153	**C803_215.8 P90 BE90S4**	154
7.2	1362	2.8	197.9	35000	**C803_197.9 S3 ME3SA4**	153	**C803_197.9 P90 BE90S4**	154
7.3	1304	1.2	195.8	16000	**C613_195.8 S3 ME3SA4**	146	**C613_195.8 P90 BE90S4**	147
7.4	1336	1.7	194.1	25000	**C703_194.1 S3 ME3SA4**	150	**C703_194.1 P90 BE90S4**	151
8.0	1233	1.9	179.2	25000	**C703_179.2 S3 ME3SA4**	150	**C703_179.2 P90 BE90S4**	151
8.0	1189	1.3	178.6	16000	**C613_178.6 S3 ME3SA4**	146	**C613_178.6 P90 BE90S4**	147
8.5	1163	3.4	169.0	35000	**C803_169.0 S3 ME3SA4**	153	**C803_169.0 P90 BE90S4**	154
8.7	1095	1.5	164.5	16000	**C613_164.5 S3 ME3SA4**	146	**C613_164.5 P90 BE90S4**	147
8.8	1121	2.1	162.8	25000	**C703_162.8 S3 ME3SA4**	150	**C703_162.8 P90 BE90S4**	151
8.9	1105	0.9	160.5	10000	**C513_160.5 S3 ME3SA4**	142	**C513_160.5 P90 BE90S4**	143
9.5	1034	2.2	150.3	25000	**C703_150.3 S3 ME3SA4**	150	**C703_150.3 P90 BE90S4**	151
9.5	999	1.6	150.0	16000	**C613_150.0 S3 ME3SA4**	146	**C613_150.0 P90 BE90S4**	147
9.7	1015	1.0	147.4	10000	**C513_147.4 S3 ME3SA4**	142	**C513_147.4 P90 BE90S4**	143
10.2	935	1.7	140.5	16000	**C613_140.5 S3 ME3SA4**	146	**C613_140.5 P90 BE90S4**	147
10.4	946	2.4	137.4	25000	**C703_137.4 S3 ME3SA4**	150	**C703_137.4 P90 BE90S4**	151
10.6	926	1.1	134.6	10000	**C513_134.6 S3 ME3SA4**	142	**C513_134.6 P90 BE90S4**	143
11.2	853	1.9	128.1	16000	**C613_128.1 S3 ME3SA4**	146	**C613_128.1 P90 BE90S4**	147
11.3	873	2.6	126.8	25000	**C703_126.8 S3 ME3SA4**	150	**C703_126.8 P90 BE90S4**	151
11.5	856	1.2	124.4	10000	**C513_124.4 S3 ME3SA4**	142	**C513_124.4 P90 BE90S4**	143
12.6	757	2.1	113.6	16000	**C613_113.6 S3 ME3SA4**	146	**C613_113.6 P90 BE90S4**	147
12.6	782	1.3	113.6	10000	**C513_113.6 S3 ME3SA4**	142	**C513_113.6 P90 BE90S4**	143
12.7	774	3.0	112.4	25000	**C703_112.4 S3 ME3SA4**	150	**C703_112.4 P90 BE90S4**	151
13.8	690	2.3	103.6	16000	**C613_103.6 S3 ME3SA4**	146	**C613_103.6 P90 BE90S4**	147



1.1 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
14.0	701	1.4	101.8	10000	**C513_101.8 S3 ME3SA4**	142	**C513_101.8 P90 BE90S4**	143
15.3	642	0.9	93.3	7000	**C413_93.3 S3 ME3SA4**	138	**C413_93.3 P90 BE90S4**	139
15.4	640	1.6	93.0	10000	**C513_93.0 S3 ME3SA4**	142	**C513_93.0 P90 BE90S4**	143
15.7	606	2.6	91.0	16000	**C613_91.0 S3 ME3SA4**	146	**C613_91.0 P90 BE90S4**	147
17.2	553	2.9	83.0	16000	**C613_83.0 S3 ME3SA4**	146	**C613_83.0 P90 BE90S4**	147
17.5	561	1.1	81.5	7000	**C413_81.5 S3 ME3SA4**	138	**C413_81.5 P90 BE90S4**	139
17.9	550	1.8	79.9	10000	**C513_79.9 S3 ME3SA4**	142	**C513_79.9 P90 BE90S4**	143
19.2	512	1.2	74.4	7000	**C413_74.4 S3 ME3SA4**	138	**C413_74.4 P90 BE90S4**	139
19.3	494	3.2	74.2	16000	**C613_74.2 S3 ME3SA4**	146	**C613_74.2 P90 BE90S4**	147
19.6	502	2.0	72.9	10000	**C513_72.9 S3 ME3SA4**	142	**C513_72.9 P90 BE90S4**	143
20.2	487	0.9	70.8	6500	**C363_70.8 S3 ME3SA4**	134	**C363_70.8 P90 BE90S4**	135
21.1	451	3.5	67.7	16000	**C613_67.7 S3 ME3SA4**	146	**C613_67.7 P90 BE90S4**	147
22.1	445	2.2	64.6	10000	**C513_64.6 S3 ME3SA4**	142	**C513_64.6 P90 BE90S4**	143
22.2	442	1.4	64.3	7000	**C413_64.3 S3 ME3SA4**	138	**C413_64.3 P90 BE90S4**	139
23.1	427	1.1	62.0	6500	**C363_62.0 S3 ME3SA4**	134	**C363_62.0 P90 BE90S4**	135
24.2	406	2.5	59.0	10000	**C513_59.0 S3 ME3SA4**	142	**C513_59.0 P90 BE90S4**	143
24.4	404	1.5	58.7	7000	**C413_58.7 S3 ME3SA4**	138	**C413_58.7 P90 BE90S4**	139
25.1	401	2.0	57.0	10000	**C512_57.0 S3 ME3SA4**	142	**C512_57.0 P90 BE90S4**	143
25.5	387	1.2	56.2	6500	**C363_56.2 S3 ME3SA4**	134	**C363_56.2 P90 BE90S4**	135
27.8	354	1.7	51.5	7000	**C413_51.5 S3 ME3SA4**	138	**C413_51.5 P90 BE90S4**	139
27.8	361	1.9	51.4	10000	**C512_51.4 S3 ME3SA4**	142	**C512_51.4 P90 BE90S4**	143
27.9	352	2.8	51.2	10000	**C513_51.2 S3 ME3SA4**	142	**C513_51.2 P90 BE90S4**	143
29.7	331	1.4	48.2	6500	**C363_48.2 S3 ME3SA4**	134	**C363_48.2 P90 BE90S4**	135
29.9	336	2.4	47.8	10000	**C512_47.8 S3 ME3SA4**	142	**C512_47.8 P90 BE90S4**	143
30	323	1.9	47.0	7000	**C413_47.0 S3 ME3SA4**	138	**C413_47.0 P90 BE90S4**	139
31	322	3.1	46.7	10000	**C513_46.7 S3 ME3SA4**	142	**C513_46.7 P90 BE90S4**	143
32	318	0.9	45.3	5500	**C322_45.3 S3 ME3SA4**	130	**C322_45.3 P90 BE90S4**	131
32	315	1.6	44.8	7000	**C412_44.8 S3 ME3SA4**	138	**C412_44.8 P90 BE90S4**	139
33	299	1.5	43.5	6500	**C363_43.5 S3 ME3SA4**	134	**C363_43.5 P90 BE90S4**	135
33	303	2.5	43.1	10000	**C512_43.1 S3 ME3SA4**	142	**C512_43.1 P90 BE90S4**	143
35	286	1.0	40.7	5500	**C322_40.7 S3 ME3SA4**	130	**C322_40.7 P90 BE90S4**	131
35	284	2.8	40.4	10000	**C512_40.4 S3 ME3SA4**	142	**C512_40.4 P90 BE90S4**	143
35	278	2.2	40.3	7000	**C413_40.3 S3 ME3SA4**	138	**C413_40.3 P90 BE90S4**	139
38	262	1.7	38.1	6500	**C363_38.1 S3 ME3SA4**	134	**C363_38.1 P90 BE90S4**	135
39	261	1.9	37.1	7000	**C412_37.1 S3 ME3SA4**	138	**C412_37.1 P90 BE90S4**	139
39	256	3.1	36.4	10000	**C512_36.4 S3 ME3SA4**	142	**C512_36.4 P90 BE90S4**	143
40	254	1.2	36.1	5500	**C322_36.1 S3 ME3SA4**	130	**C322_36.1 P90 BE90S4**	131
41	238	1.9	34.6	6300	**C363_34.6 S3 ME3SA4**	134	**C363_34.6 P90 BE90S4**	135
43	235	2.1	33.4	7000	**C412_33.4 S3 ME3SA4**	138	**C412_33.4 P90 BE90S4**	139
43	233	1.3	33.1	5420	**C322_33.1 S3 ME3SA4**	130	**C322_33.1 P90 BE90S4**	131
45	221	2.3	31.4	7000	**C412_31.4 S3 ME3SA4**	138	**C412_31.4 P90 BE90S4**	139
48	209	1.4	29.8	5360	**C322_29.8 S3 ME3SA4**	130	**C322_29.8 P90 BE90S4**	131
48	208	1.0	29.6	3190	**C222_29.6 S3 ME3SA4**	126	**C222_29.6 P90 BE90S4**	127
50	198	2.3	28.7	6190	**C363_28.7 S3 ME3SA4**	134	**C363_28.7 P90 BE90S4**	135
51	199	2.5	28.3	7000	**C412_28.3 S3 ME3SA4**	138	**C412_28.3 P90 BE90S4**	139
53	191	1.0	27.2	3160	**C222_27.2 S3 ME3SA4**	126	**C222_27.2 P90 BE90S4**	127
53	189	1.6	26.9	5220	**C322_26.9 S3 ME3SA4**	130	**C322_26.9 P90 BE90S4**	131
55	180	2.4	26.2	5930	**C363_26.2 S3 ME3SA4**	134	**C363_26.2 P90 BE90S4**	135
57	177	1.7	25.1	5180	**C322_25.1 S3 ME3SA4**	130	**C322_25.1 P90 BE90S4**	131
57	176	2.8	25.0	6950	**C412_25.0 S3 ME3SA4**	138	**C412_25.0 P90 BE90S4**	139
59	171	1.2	24.3	3150	**C222_24.3 S3 ME3SA4**	126	**C222_24.3 P90 BE90S4**	127
62	161	1.8	22.9	5050	**C322_22.9 S3 ME3SA4**	130	**C322_22.9 P90 BE90S4**	131
63	159	3.2	22.6	6810	**C412_22.6 S3 ME3SA4**	138	**C412_22.6 P90 BE90S4**	139
65	152	2.8	22.1	5680	**C363_22.1 S3 ME3SA4**	134	**C363_22.1 P90 BE90S4**	135
67	151	1.3	21.5	3120	**C222_21.5 S3 ME3SA4**	126	**C222_21.5 P90 BE90S4**	127
71	141	2.1	20.1	4920	**C322_20.1 S3 ME3SA4**	130	**C322_20.1 P90 BE90S4**	131
71	141	1.3	20.0	3080	**C222_20.0 S3 ME3SA4**	126	**C222_20.0 P90 BE90S4**	127
75	134	2.8	19.0	5580	**C362_19.0 S3 ME3SA4**	134	**C362_19.0 P90 BE90S4**	135
79	128	2.2	18.2	4760	**C322_18.2 S3 ME3SA4**	130	**C322_18.2 P90 BE90S4**	131
79	127	1.4	18.1	3020	**C222_18.1 S3 ME3SA4**	126	**C222_18.1 P90 BE90S4**	127
83	121	3.1	17.2	5300	**C362_17.2 S3 ME3SA4**	134	**C362_17.2 P90 BE90S4**	135
90	111	1.6	15.8	2970	**C222_15.8 S3 ME3SA4**	126	**C222_15.8 P90 BE90S4**	127
92	110	2.5	15.6	4630	**C322_15.6 S3 ME3SA4**	130	**C322_15.6 P90 BE90S4**	131
98	102	1.6	14.5	2940	**C222_14.5 S3 ME3SA4**	126	**C222_14.5 P90 BE90S4**	127
102	99	2.5	14.1	4480	**C322_14.1 S3 ME3SA4**	130	**C322_14.1 P90 BE90S4**	131

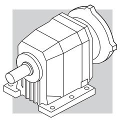


1.1 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
115	87	1.8	12.4	2840	**C222_12.4 S3 ME3SA4**	126	**C222_12.4 P90 BE90S4**	127
116	87	2.8	12.3	4350	**C322_12.3 S3 ME3SA4**	130	**C322_12.3 P90 BE90S4**	131
128	79	2.9	11.2	4200	**C322_11.2 S3 ME3SA4**	130	**C322_11.2 P90 BE90S4**	131
129	78	2.0	11.1	2800	**C222_11.1 S3 ME3SA4**	126	**C222_11.1 P90 BE90S4**	127
142	71	0.9	10.1	1400	**C122_10.1 S3 ME3SA4**	122	**C122_10.1 P90 BE90S4**	123
148	68	2.1	9.6	2700	**C222_9.6 S3 ME3SA4**	126	**C222_9.6 P90 BE90S4**	127
154	65	3.4	9.3	4030	**C322_6.3 S3 ME3SA4**	130	**C322_6.3 P90 BE90S4**	131
162	62	1.0	8.8	1560	**C122_8.8 S3 ME3SA4**	122	**C122_8.8 P90 BE90S4**	123
165	61	2.3	8.7	2630	**C222_8.7 S3 ME3SA4**	126	**C222_8.7 P90 BE90S4**	127
188	54	1.0	7.6	1550	**C122_7.6 S3 ME3SA4**	122	**C122_7.6 P90 BE90S4**	123
202	50	2.6	7.1	2510	**C222_7.1 S3 ME3SA4**	126	**C222_7.1 P90 BE90S4**	127
229	44	1.2	6.2	1220	**C122_6.2 S3 ME3SA4**	122	**C122_6.2 P90 BE90S4**	123
235	43	2.5	6.1	2380	**C222_6.1 S3 ME3SA4**	126	**C222_6.1 P90 BE90S4**	127
238	42	1.6	11.9	1420	**C122_11.9 S2 ME2SB2**	122	**C122_11.9 P90 BE90B2**	123
255	39	3.9	11.1	2980	**C222_11.1 S2 ME2SB2**	126	**C222_11.1 P90 BE90B2**	127
255	39	1.3	5.6	1270	**C122_5.6 S3 ME3SA4**	122	**C122_5.6 P90 BE90S4**	123
256	39	2.6	5.6	2350	**C222_5.6 S3 ME3SA4**	126	**C222_5.6 P90 BE90S4**	127
259	39	1.1	3.7	1320	**C122_3.7 S3 ME3LA6**	122	**C122_3.7 P100 BE100M6**	123
281	35	1.8	10.1	1420	**C122_10.1 S2 ME2SB2**	122	**C122_10.1 P90 BE90B2**	123
294	34	1.4	4.9	1370	**C122_4.9 S3 ME3SA4**	122	**C122_4.9 P90 BE90S4**	123
300	34	3.0	4.8	2240	**C222_4.8 S3 ME3SA4**	126	**C222_4.8 P90 BE90S4**	127
320	31	1.9	8.8	1370	**C122_8.8 S2 ME2SB2**	122	**C122_8.8 P90 BE90B2**	123
332	30	1.5	4.3	1320	**C122_4.3 S3 ME3SA4**	122	**C122_4.3 P90 BE90S4**	123
336	30	3.1	4.3	2200	**C222_4.3 S3 ME3SA4**	126	**C222_4.3 P90 BE90S4**	127
341	29	1.3	2.8	1320	**C122_2.8 S3 M3SA6**	122	**C122_2.8 P90 BN90L6**	123
347	29	2.8	2.7	2160	**C222_2.7 S3 M3SA6**	126	**C222_2.7 P90 BN90L6**	127
371	27	2.1	7.6	1330	**C122_7.6 S2 ME2SB2**	122	**C122_7.6 P90 BE90B2**	123
386	26	3.5	3.7	2090	**C222_3.7 S3 ME3SA4**	126	**C222_3.7 P90 BE90S4**	127
392	26	1.6	3.7	1280	**C122_3.7 S3 ME3SA4**	122	**C122_3.7 P90 BE90S4**	123
446	23	1.8	3.2	1230	**C122_3.2 S3 ME3SA4**	122	**C122_3.2 P90 BE90S4**	123
454	22	2.4	6.2	1230	**C122_6.2 S2 ME2SB2**	122	**C122_6.2 P90 BE90B2**	123
505	20	2.6	5.6	1190	**C122_5.6 S2 ME2SB2**	122	**C122_5.6 P90 BE90B2**	123
517	19	1.9	2.8	1190	**C122_2.8 S3 ME3SA4**	122	**C122_2.8 P90 BE90S4**	123
581	17	2.8	4.9	1150	**C122_4.9 S2 ME2SB2**	122	**C122_4.9 P90 BE90B2**	123
656	15	3.0	4.3	1110	**C122_4.3 S2 ME2SB2**	122	**C122_4.3 P90 BE90B2**	123
775	13	3.3	3.7	1070	**C122_3.7 S2 ME2SB2**	122	**C122_3.7 P90 BE90B2**	123
882	11	3.5	3.2	1020	**C122_3.2 S2 ME2SB2**	122	**C122_3.2 P90 BE90B2**	123
1023	10	3.8	2.8	980	**C122_2.8 S2 ME2SB2**	122	**C122_2.8 P90 BE90B2**	123

1.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
1.0	12390	1.0	908.2	85000	**C1004_908.2 S3 ME3LB6**	159	**C1004_908.2 P100 BE100LA6**	160
1.3	9730	1.2	1081	85000	**C1004_1081 S3 ME3SB4**	159	**C1004_1081 P90 BE90LA4**	160
1.4	9035	1.3	1004	85000	**C1004_1004 S3 ME3SB4**	159	**C1004_1004 P90 BE90LA4**	160
1.6	8174	1.5	908.2	85000	**C1004_908.2 S3 ME3SB4**	159	**C1004_908.2 P90 BE90LA4**	160
1.7	7596	0.9	844.0	60000	**C904_844.0 S3 ME3SB4**	156	**C904_844.0 P90 BE90LA4**	157
1.7	7590	1.6	843.3	85000	**C1004_843.3 S3 ME3SB4**	159	**C1004_843.3 P90 BE90LA4**	160
1.8	6981	1.7	775.7	85000	**C1004_775.7 S3 ME3SB4**	159	**C1004_775.7 P90 BE90LA4**	160
1.8	6963	1.0	773.6	60000	**C904_773.6 S3 ME3SB4**	156	**C904_773.6 P90 BE90LA4**	157
2.0	6483	1.9	720.3	85000	**C1004_720.3 S3 ME3SB4**	159	**C1004_720.3 P90 BE90LA4**	160
2.0	6410	1.1	712.2	60000	**C904_712.2 S3 ME3SB4**	156	**C904_712.2 P90 BE90LA4**	157
2.2	5875	1.2	652.8	60000	**C904_652.8 S3 ME3SB4**	156	**C904_652.8 P90 BE90LA4**	157
2.3	5647	2.1	627.4	85000	**C1004_627.4 S3 ME3SB4**	159	**C1004_627.4 P90 BE90LA4**	160
2.5	5245	1.4	582.8	60000	**C904_582.8 S3 ME3SB4**	156	**C904_582.8 P90 BE90LA4**	157
2.5	5243	2.3	582.6	85000	**C1004_582.6 S3 ME3SB4**	159	**C1004_582.6 P90 BE90LA4**	160
2.7	4808	1.5	534.2	60000	**C904_534.2 S3 ME3SB4**	156	**C904_534.2 P90 BE90LA4**	157
2.8	4524	2.7	502.6	85000	**C1004_502.6 S3 ME3SB4**	159	**C1004_502.6 P90 BE90LA4**	160
3.1	4201	2.9	466.7	85000	**C1004_466.7 S3 ME3SB4**	159	**C1004_466.7 P90 BE90LA4**	160



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
3.1	4114	1.8	457.1	60000	**C904_457.1 S3 ME3SB4**	156	**C904_457.1 P90 BE90LA4**	157
3.1	4099	1.0	455.4	35000	**C804_455.4 S3 ME3SB4**	153	**C804_455.4 P90 BE90LA4**	154
3.4	3771	1.9	419.0	60000	**C904_419.0 S3 ME3SB4**	156	**C904_419.0 P90 BE90LA4**	157
3.4	3757	1.1	417.5	35000	**C804_417.5 S3 ME3SB4**	153	**C804_417.5 P90 BE90LA4**	154
3.9	3328	2.2	369.8	60000	**C904_369.8 S3 ME3SB4**	156	**C904_369.8 P90 BE90LA4**	157
3.9	3282	1.2	364.7	35000	**C804_364.7 S3 ME3SB4**	153	**C804_364.7 P90 BE90LA4**	154
4.2	3051	2.4	339.0	60000	**C904_339.0 S3 ME3SB4**	156	**C904_339.0 P90 BE90LA4**	157
4.3	3008	1.3	334.3	35000	**C804_334.3 S3 ME3SB4**	153	**C804_334.3 P90 BE90LA4**	154
4.9	2636	2.7	292.9	60000	**C904_292.9 S3 ME3SB4**	156	**C904_292.9 P90 BE90LA4**	157
5.0	2571	1.6	285.7	35000	**C804_285.7 S3 ME3SB4**	153	**C804_285.7 P90 BE90LA4**	154
5.3	2450	0.9	272.2	25000	**C704_272.2 S3 ME3SB4**	150	**C704_272.2 P90 BE90LA4**	151
5.3	2416	3.0	268.5	60000	**C904_268.5 S3 ME3SB4**	156	**C904_268.5 P90 BE90LA4**	157
5.5	2357	1.7	261.9	35000	**C804_261.9 S3 ME3SB4**	153	**C804_261.9 P90 BE90LA4**	154
5.7	2262	1.0	251.3	25000	**C704_251.3 S3 ME3SB4**	150	**C704_251.3 P90 BE90LA4**	151
6.0	2226	1.0	239.3	25000	**C703_239.3 S3 ME3SB4**	150	**C703_239.3 P90 BE90LA4**	151
6.5	2054	1.1	220.9	25000	**C703_220.9 S3 ME3SB4**	150	**C703_220.9 P90 BE90LA4**	151
6.6	1957	0.8	217.4	16000	**C614_217.4 S3 ME3SB4**	146	**C614_217.4 P90 BE90LA4**	147
6.6	2007	2.0	215.8	35000	**C803_215.8 S3 ME3SB4**	153	**C803_215.8 P90 BE90LA4**	154
7.2	1840	2.1	197.9	35000	**C803_197.9 S3 ME3SB4**	153	**C803_197.9 P90 BE90LA4**	154
7.3	1762	0.9	195.8	16000	**C613_195.8 S3 ME3SB4**	146	**C613_195.8 P90 BE90LA4**	147
7.4	1805	1.3	194.1	25000	**C703_194.1 S3 ME3SB4**	150	**C703_194.1 P90 BE90LA4**	151
7.8	1715	2.3	184.4	35000	**C803_184.4 S3 ME3SB4**	153	**C803_184.4 P90 BE90LA4**	154
8.0	1666	1.4	179.2	25000	**C703_179.2 S3 ME3SB4**	150	**C703_179.2 P90 BE90LA4**	151
8.0	1607	1.0	178.6	16000	**C613_178.6 S3 ME3SB4**	146	**C613_178.6 P90 BE90LA4**	147
8.5	1572	2.5	169.0	35000	**C803_169.0 S3 ME3SB4**	153	**C803_169.0 P90 BE90LA4**	154
8.7	1480	1.1	164.5	16000	**C613_164.5 S3 ME3SB4**	146	**C613_164.5 P90 BE90LA4**	147
8.8	1514	1.5	162.8	25000	**C703_162.8 S3 ME3SB4**	150	**C703_162.8 P90 BE90LA4**	151
9.5	1398	1.6	150.3	25000	**C703_150.3 S3 ME3SB4**	150	**C703_150.3 P90 BE90LA4**	151
9.5	1350	1.2	150.0	16000	**C613_150.0 S3 ME3SB4**	146	**C613_150.0 P90 BE90LA4**	147
9.6	1387	2.9	149.1	35000	**C803_149.1 S3 ME3SB4**	153	**C803_149.1 P90 BE90LA4**	154
10.2	1264	1.3	140.5	16000	**C613_140.5 S3 ME3SB4**	146	**C613_140.5 P90 BE90LA4**	147
10.4	1278	1.8	137.4	25000	**C703_137.4 S3 ME3SB4**	150	**C703_137.4 P90 BE90LA4**	151
10.5	1271	3.1	136.7	35000	**C803_136.7 S3 ME3SB4**	153	**C803_136.7 P90 BE90LA4**	154
11.2	1153	1.4	128.1	16000	**C613_128.1 S3 ME3SB4**	146	**C613_128.1 P90 BE90LA4**	147
11.3	1180	1.9	126.8	25000	**C703_126.8 S3 ME3SB4**	150	**C703_126.8 P90 BE90LA4**	151
12.6	1022	1.6	113.6	16000	**C613_113.6 S3 ME3SB4**	146	**C613_113.6 P90 BE90LA4**	147
12.6	1057	0.9	113.6	10000	**C513_113.6 S3 ME3SB4**	142	**C513_113.6 P90 BE90LA4**	143
12.7	1046	2.2	112.4	25000	**C703_112.4 S3 ME3SB4**	150	**C703_112.4 P90 BE90LA4**	151
13.8	965	2.4	103.8	25000	**C703_103.8 S3 ME3SB4**	150	**C703_103.8 P90 BE90LA4**	151
13.8	933	1.7	103.6	16000	**C613_103.6 S3 ME3SB4**	146	**C613_103.6 P90 BE90LA4**	147
14.0	947	1.1	101.8	10000	**C513_101.8 S3 ME3SB4**	142	**C513_101.8 P90 BE90LA4**	143
15.4	865	1.2	93.0	10000	**C513_93.0 S3 ME3SB4**	142	**C513_93.0 P90 BE90LA4**	143
15.7	819	2.0	91.0	16000	**C613_91.0 S3 ME3SB4**	146	**C613_91.0 P90 BE90LA4**	147
16.2	820	2.8	88.2	25000	**C703_88.2 S3 ME3SB4**	150	**C703_88.2 P90 BE90LA4**	151
16.6	821	1.0	57.0	10000	**C512_57.0 S3 ME3LB6**	142	**C512_57.0 P100 BE100LA6**	143
17.2	747	2.1	83.0	16000	**C613_83.0 S3 ME3SB4**	146	**C613_83.0 P90 BE90LA4**	147
17.6	757	3.0	81.4	25000	**C703_81.4 S3 ME3SB4**	150	**C703_81.4 P90 BE90LA4**	151
17.9	743	1.3	79.9	10000	**C513_79.9 S3 ME3SB4**	142	**C513_79.9 P90 BE90LA4**	143
18.4	740	0.9	51.4	10000	**C512_51.4 S3 ME3LB6**	142	**C512_51.4 P100 BE100LA6**	143
19.3	668	2.4	74.2	16000	**C613_74.2 S3 ME3SB4**	146	**C613_74.2 P90 BE90LA4**	147
19.6	678	1.5	72.9	10000	**C513_72.9 S3 ME3SB4**	142	**C513_72.9 P90 BE90LA4**	143
19.8	689	1.2	47.8	10000	**C512_47.8 S3 ME3LB6**	142	**C512_47.8 P100 BE100LA6**	143
20.0	663	3.5	71.3	25000	**C703_71.3 S3 ME3SB4**	150	**C703_71.3 P90 BE90LA4**	151
21.1	609	2.6	67.7	16000	**C613_67.7 S3 ME3SB4**	146	**C613_67.7 P90 BE90LA4**	147
21.9	621	1.2	43.1	10000	**C512_43.1 S3 ME3LB6**	142	**C512_43.1 P100 BE100LA6**	143
22.1	601	1.7	64.6	10000	**C513_64.6 S3 ME3SB4**	142	**C513_64.6 P90 BE90LA4**	143
22.2	598	1.0	64.3	7000	**C413_64.3 S3 ME3SB4**	138	**C413_64.3 P90 BE90LA4**	139
24.2	549	1.8	59.0	10000	**C513_59.0 S3 ME3SB4**	142	**C513_59.0 P90 BE90LA4**	143
24.4	545	1.1	58.7	7000	**C413_58.7 S3 ME3SB4**	138	**C413_58.7 P90 BE90LA4**	139
24.4	527	3.0	58.6	16000	**C613_58.6 S3 ME3SB4**	146	**C613_58.6 P90 BE90LA4**	147
25.1	542	1.4	57.0	10000	**C512_57.0 S3 ME3SB4**	142	**C512_57.0 P90 BE90LA4**	143
26.7	481	3.3	53.5	16000	**C613_53.5 S3 ME3SB4**	146	**C613_53.5 P90 BE90LA4**	147
27.8	479	1.3	51.5	7000	**C413_51.5 S3 ME3SB4**	138	**C413_51.5 P90 BE90LA4**	139
27.8	488	1.4	51.4	10000	**C512_51.4 S3 ME3SB4**	142	**C512_51.4 P90 BE90LA4**	143
27.9	476	2.1	51.2	10000	**C513_51.2 S3 ME3SB4**	142	**C513_51.2 P90 BE90LA4**	143

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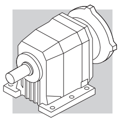
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	page	IEC IE2	page (IEC)
29.7	448	1.0	48.2	6290	**C363_48.2 S3 ME3SB4**	134	**C363_48.2 P90 BE90LA4**	135
29.9	454	1.8	47.8	10000	**C512_47.8 S3 ME3SB4**	142	**C512_47.8 P90 BE90LA4**	143
30	437	1.4	47.0	7000	**C413_47.0 S3 ME3SB4**	138	**C413_47.0 P90 BE90LA4**	139
31	435	2.3	46.7	10000	**C513_46.7 S3 ME3SB4**	142	**C513_46.7 P90 BE90LA4**	143
32	425	1.2	44.8	7000	**C412_44.8 S3 ME3SB4**	138	**C412_44.8 P90 BE90LA4**	139
33	404	1.1	43.5	6110	**C363_43.5 S3 ME3SB4**	134	**C363_43.5 P90 BE90LA4**	135
33	410	1.9	43.1	10000	**C512_43.1 S3 ME3SB4**	142	**C512_43.1 P90 BE90LA4**	143
35	376	2.7	40.5	10000	**C513_40.5 S3 ME3SB4**	142	**C513_40.5 P90 BE90LA4**	143
35	383	2.1	40.4	10000	**C512_40.4 S3 ME3SB4**	142	**C512_40.4 P90 BE90LA4**	143
35	375	1.6	40.3	7000	**C413_40.3 S3 ME3SB4**	138	**C413_40.3 P90 BE90LA4**	139
38	354	1.3	38.1	6110	**C363_38.1 S3 ME3SB4**	134	**C363_38.1 P90 BE90LA4**	135
39	352	1.4	37.1	7000	**C412_37.1 S3 ME3SB4**	138	**C412_37.1 P90 BE90LA4**	139
39	344	2.9	37.0	10000	**C513_37.0 S3 ME3SB4**	142	**C513_37.0 P90 BE90LA4**	143
39	346	2.3	36.4	10000	**C512_36.4 S3 ME3SB4**	142	**C512_36.4 P90 BE90LA4**	143
40	343	0.9	36.1	5100	**C322_36.1 S3 ME3SB4**	130	**C322_36.1 P90 BE90LA4**	131
41	322	1.4	34.6	5950	**C363_34.6 S3 ME3SB4**	134	**C363_34.6 P90 BE90LA4**	135
43	317	1.6	33.4	7000	**C412_33.4 S3 ME3SB4**	138	**C412_33.4 P90 BE90LA4**	139
43	314	1.0	33.1	5050	**C322_33.1 S3 ME3SB4**	130	**C322_33.1 P90 BE90LA4**	131
43	314	2.5	33.0	10000	**C512_33.0 S3 ME3SB4**	142	**C512_33.0 P90 BE90LA4**	143
45	299	1.7	31.4	6990	**C412_31.4 S3 ME3SB4**	138	**C412_31.4 P90 BE90LA4**	139
48	283	2.8	29.8	10000	**C512_29.8 S3 ME3SB4**	142	**C512_29.8 P90 BE90LA4**	143
48	283	1.1	29.8	4970	**C322_29.8 S3 ME3SB4**	130	**C322_29.8 P90 BE90LA4**	131
50	267	1.7	28.7	5830	**C363_28.7 S3 ME3SB4**	134	**C363_28.7 P90 BE90LA4**	135
51	269	1.9	28.3	6830	**C412_28.3 S3 ME3SB4**	138	**C412_28.3 P90 BE90LA4**	139
53	256	1.2	26.9	4890	**C322_26.9 S3 ME3SB4**	130	**C322_26.9 P90 BE90LA4**	131
55	244	1.8	26.2	5710	**C363_26.2 S3 ME3SB4**	134	**C363_26.2 P90 BE90LA4**	135
55	246	3.2	25.9	10000	**C512_25.9 S3 ME3SB4**	142	**C512_25.9 P90 BE90LA4**	143
57	239	1.3	25.1	4840	**C322_25.1 S3 ME3SB4**	130	**C322_25.1 P90 BE90LA4**	131
57	238	2.1	25.0	6680	**C412_25.0 S3 ME3SB4**	138	**C412_25.0 P90 BE90LA4**	139
62	218	1.4	22.9	4750	**C322_22.9 S3 ME3SB4**	130	**C322_22.9 P90 BE90LA4**	131
63	214	2.3	22.6	6510	**C412_22.6 S3 ME3SB4**	138	**C412_22.6 P90 BE90LA4**	139
65	206	2.1	22.1	5530	**C363_22.1 S3 ME3SB4**	134	**C363_22.1 P90 BE90LA4**	135
67	204	1.0	21.5	2600	**C222_21.5 S3 ME3SB4**	126	**C222_21.5 P90 BE90LA4**	127
71	191	1.5	20.1	4650	**C322_20.1 S3 ME3SB4**	130	**C322_20.1 P90 BE90LA4**	131
71	190	1.0	20.0	2740	**C222_20.0 S3 ME3SB4**	126	**C222_20.0 P90 BE90LA4**	127
72	188	2.6	19.8	6330	**C412_19.8 S3 ME3SB4**	138	**C412_19.8 P90 BE90LA4**	139
75	181	2.1	19.0	5330	**C362_19.0 S3 ME3SB4**	134	**C362_19.0 P90 BE90LA4**	135
79	173	1.6	18.2	4520	**C322_18.2 S3 ME3SB4**	130	**C322_18.2 P90 BE90LA4**	131
79	172	1.1	18.1	2700	**C222_18.1 S3 ME3SB4**	126	**C222_18.1 P90 BE90LA4**	127
80	169	2.8	17.8	6160	**C412_17.8 S3 ME3SB4**	138	**C412_17.8 P90 BE90LA4**	139
83	163	2.3	17.2	5140	**C362_17.2 S3 ME3SB4**	134	**C362_17.2 P90 BE90LA4**	135
90	150	1.2	15.8	2700	**C222_15.8 S3 ME3SB4**	126	**C222_15.8 P90 BE90LA4**	127
90	150	3.0	15.8	6000	**C412_15.8 S3 ME3SB4**	138	**C412_15.8 P90 BE90LA4**	139
92	148	1.8	15.6	4410	**C322_15.6 S3 ME3SB4**	130	**C322_15.6 P90 BE90LA4**	131
97	140	2.7	14.8	5030	**C362_14.8 S3 ME3SB4**	134	**C362_14.8 P90 BE90LA4**	135
98	138	1.2	14.5	2700	**C222_14.5 S3 ME3SB4**	126	**C222_14.5 P90 BE90LA4**	127
100	135	3.3	14.2	5830	**C412_14.2 S3 ME3SB4**	138	**C412_14.2 P90 BE90LA4**	139
102	134	1.9	14.1	4280	**C322_14.1 S3 ME3SB4**	130	**C322_14.1 P90 BE90LA4**	131
107	127	3.0	13.3	4890	**C362_13.3 S3 ME3SB4**	134	**C362_13.3 P90 BE90LA4**	135
115	118	1.4	12.4	2630	**C222_12.4 S3 ME3SB4**	126	**C222_12.4 P90 BE90LA4**	127
116	117	2.1	12.3	4180	**C322_12.3 S3 ME3SB4**	130	**C322_12.3 P90 BE90LA4**	131
123	111	3.4	11.7	4740	**C362_11.7 S3 ME3SB4**	134	**C362_11.7 P90 BE90LA4**	135
128	106	2.2	11.2	4050	**C322_11.2 S3 ME3SB4**	130	**C322_11.2 P90 BE90LA4**	131
129	105	1.5	11.1	2600	**C222_11.1 S3 ME3SB4**	126	**C222_11.1 P90 BE90LA4**	127
148	92	1.6	9.6	2530	**C222_9.6 S3 ME3SB4**	126	**C222_9.6 P90 BE90LA4**	127
154	88	2.5	9.3	3900	**C322_9.3 S3 ME3SB4**	130	**C322_9.3 P90 BE90LA4**	131
165	82	1.7	8.7	2470	**C222_8.7 S3 ME3SB4**	126	**C222_8.7 P90 BE90LA4**	127
169	81	2.6	8.5	3790	**C322_8.5 S3 ME3SB4**	130	**C322_8.5 P90 BE90LA4**	131
180	75	2.3	15.8	2440	**C222_15.8 S3 ME3SA2**	126	**C222_15.8 P90 BE90SA2**	127
191	71	2.2	5.0	3610	**C322_5.0 S3 ME3LB6**	130	**C322_5.0 P100 BE100LA6**	131
200	68	2.9	7.2	3640	**C322_7.2 S3 ME3SB4**	130	**C322_7.2 P90 BE90LA4**	131
202	67	1.9	7.1	2380	**C222_7.1 S3 ME3SB4**	126	**C222_7.1 P90 BE90LA4**	127
204	67	3.0	4.6	4050	**C362_4.6 S3 ME3LB6**	134	**C362_4.6 P100 BE100LA6**	135
228	60	2.6	6.3	3450	**C322_6.3 S3 ME3SB4**	130	**C322_6.3 P90 BE90LA4**	131
229	59	0.9	6.2	600	**C122_6.2 S3 ME3SB4**	122	**C122_6.2 P90 BE90LA4**	123



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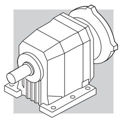
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
235	58	1.8	6.1	2250	**C222_6.1 S3 ME3SB4**	126	**C222_6.1 P90 BE90LA4**	127
240	57	1.2	11.9	1250	**C122_11.9 S3 ME3SA2**	122	**C122_11.9 P90 BE90SA2**	123
253	54	2.9	5.7	3320	**C322_5.7 S3 ME3SB4**	130	**C322_5.7 P90 BE90LA4**	131
255	53	1.7	3.7	2210	**C222_3.7 S3 ME3LB6**	126	**C222_3.7 P100 BE100LA6**	127
255	53	1.0	5.6	720	**C122_5.6 S3 ME3SB4**	122	**C122_5.6 P90 BE90LA4**	123
256	53	1.9	5.6	2200	**C222_5.6 S3 ME3SB4**	126	**C222_5.6 P90 BE90LA4**	127
284	48	1.3	10.1	1340	**C122_10.1 S3 ME3SA2**	122	**C122_10.1 P90 BE90SA2**	123
289	47	3.3	5.0	3240	**C322_5.0 S3 ME3SB4**	130	**C322_5.0 P90 BE90LA4**	131
294	46	1.0	4.9	840	**C122_4.9 S3 ME3SB4**	122	**C122_4.9 P90 BE90LA4**	123
300	45	2.2	4.8	2140	**C222_4.8 S3 ME3SB4**	126	**C222_4.8 P90 BE90LA4**	127
323	42	1.4	8.8	1300	**C122_8.8 S3 ME3SA2**	122	**C122_8.8 P90 BE90SA2**	123
330	41	3.3	8.7	2130	**C222_8.7 S3 ME3SA2**	126	**C222_8.7 P90 BE90SA2**	127
332	41	1.1	4.3	930	**C122_4.3 S3 ME3SB4**	122	**C122_4.3 P90 BE90LA4**	123
336	40	2.3	4.3	2100	**C222_4.3 S3 ME3SB4**	126	**C222_4.3 P90 BE90LA4**	127
341	40	0.9	2.8	1000	**C122_2.8 S3 ME3LB6**	122	**C122_2.8 P100 BE100LA6**	123
347	39	2.0	2.7	2060	**C222_2.7 S3 ME3LB6**	126	**C222_2.7 P100 BE100LA6**	127
375	36	1.5	7.6	1270	**C122_7.6 S3 ME3SA2**	122	**C122_7.6 P90 BE90SA2**	123
386	35	2.6	3.7	2020	**C222_3.7 S3 ME3SB4**	126	**C222_3.7 P90 BE90LA4**	127
392	35	1.2	3.7	1100	**C122_3.7 S3 ME3SB4**	122	**C122_3.7 P90 BE90LA4**	123
403	34	3.9	7.1	2030	**C222_7.1 S3 ME3SA2**	126	**C222_7.1 P90 BE90SA2**	127
430	32	2.7	3.3	2000	**C222_3.3 S3 ME3SB4**	126	**C222_3.3 P90 BE90LA4**	127
446	30	1.3	3.2	1120	**C122_3.2 S3 ME3SB4**	122	**C122_3.2 P90 BE90LA4**	123
458	30	1.8	6.2	1180	**C122_6.2 S3 ME3SA2**	122	**C122_6.2 P90 BE90SA2**	123
469	29	3.6	6.1	1920	**C222_6.1 S3 ME3SA2**	126	**C222_6.1 P90 BE90SA2**	127
510	27	1.9	5.6	1140	**C122_5.6 S3 ME3SA2**	122	**C122_5.6 P90 BE90SA2**	123
511	27	3.8	5.6	1860	**C222_5.6 S3 ME3SA2**	126	**C222_5.6 P90 BE90SA2**	127
517	26	1.4	2.8	1140	**C122_2.8 S3 ME3SB4**	122	**C122_2.8 P90 BE90LA4**	123
525	26	3.1	2.7	1870	**C222_2.7 S3 ME3SB4**	126	**C222_2.7 P90 BE90LA4**	127
586	23	2.1	4.9	1110	**C122_4.9 S3 ME3SA2**	122	**C122_4.9 P90 BE90SA2**	123
599	23	4.4	4.8	1810	**C222_4.8 S3 ME3SA2**	126	**C222_4.8 P90 BE90SA2**	127
662	21	2.2	4.3	1070	**C122_4.3 S3 ME3SA2**	122	**C122_4.3 P90 BE90SA2**	123
782	17	2.4	3.7	1030	**C122_3.7 S3 ME3SA2**	122	**C122_3.7 P90 BE90SA2**	123
890	15	2.6	3.2	990	**C122_3.2 S3 ME3SA2**	122	**C122_3.2 P90 BE90SA2**	123
1032	13	2.8	2.8	960	**C122_2.8 S3 ME3SA2**	122	**C122_2.8 P90 BE90SA2**	123

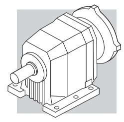
2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
1.4	13281	0.9	1004	85000	**C1004_1004 S3 ME3LA4**	159	**C1004_1004 P100 BE100LA4**	160
1.6	12016	1.0	908.2	85000	**C1004_908.2 S3 ME3LA4**	159	**C1004_908.2 P100 BE100LA4**	160
1.7	11157	1.1	843.3	85000	**C1004_843.3 S3 ME3LA4**	159	**C1004_843.3 P100 BE100LA4**	160
1.8	10263	1.2	775.7	85000	**C1004_775.7 S3 ME3LA4**	159	**C1004_775.7 P100 BE100LA4**	160
2.0	9530	1.3	720.3	85000	**C1004_720.3 S3 ME3LA4**	159	**C1004_720.3 P100 BE100LA4**	160
2.3	8301	1.4	627.4	85000	**C1004_627.4 S3 ME3LA4**	159	**C1004_627.4 P100 BE100LA4**	160
2.5	7710	0.9	582.8	60000	**C904_582.8 S3 ME3LA4**	156	**C904_582.8 P100 BE100LA4**	157
2.5	7708	1.6	582.6	85000	**C1004_582.6 S3 ME3LA4**	159	**C1004_582.6 P100 BE100LA4**	160
2.7	7068	1.0	534.2	60000	**C904_534.2 S3 ME3LA4**	156	**C904_534.2 P100 BE100LA4**	157
2.8	6650	1.8	502.6	85000	**C1004_502.6 S3 ME3LA4**	159	**C1004_502.6 P100 BE100LA4**	160
3.1	6175	1.9	466.7	85000	**C1004_466.7 S3 ME3LA4**	159	**C1004_466.7 P100 BE100LA4**	160
3.1	6048	1.2	457.1	60000	**C904_457.1 S3 ME3LA4**	156	**C904_457.1 P100 BE100LA4**	157
3.4	5544	1.3	419.0	60000	**C904_419.0 S3 ME3LA4**	156	**C904_419.0 P100 BE100LA4**	157
3.5	5421	2.2	409.8	85000	**C1004_409.8 S3 ME3LA4**	159	**C1004_409.8 P100 BE100LA4**	160
3.8	5034	2.4	380.5	85000	**C1004_380.5 S3 ME3LA4**	159	**C1004_380.5 P100 BE100LA4**	160
3.9	4892	1.5	369.8	60000	**C904_369.8 S3 ME3LA4**	156	**C904_369.8 P100 BE100LA4**	157
4.2	4484	1.6	339.0	60000	**C904_339.0 S3 ME3LA4**	156	**C904_339.0 P100 BE100LA4**	157
4.3	4422	0.9	334.3	35000	**C804_334.3 S3 ME3LA4**	153	**C804_334.3 P100 BE100LA4**	154
4.4	4282	2.8	323.6	85000	**C1004_323.6 S3 ME3LA4**	159	**C1004_323.6 P100 BE100LA4**	160
4.9	3875	1.9	292.9	60000	**C904_292.9 S3 ME3LA4**	156	**C904_292.9 P100 BE100LA4**	157
5.0	3779	1.1	285.7	35000	**C804_285.7 S3 ME3LA4**	153	**C804_285.7 P100 BE100LA4**	154
5.3	3552	2.0	268.5	60000	**C904_268.5 S3 ME3LA4**	156	**C904_268.5 P100 BE100LA4**	157
5.5	3464	1.2	261.9	35000	**C804_261.9 S3 ME3LA4**	153	**C804_261.9 P100 BE100LA4**	154



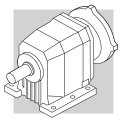
2.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
6.2	3065	2.3	231.7	60000	**C904_231.7 S3 ME3LA4**	156	**C904_231.7 P100 BE100LA4**	157
6.6	2951	1.4	215.8	35000	**C803_215.8 S3 ME3LA4**	153	**C803_215.8 P100 BE100LA4**	154
6.7	2810	2.6	212.4	60000	**C904_212.4 S3 ME3LA4**	156	**C904_212.4 P100 BE100LA4**	157
7.2	2705	1.4	197.9	35000	**C803_197.9 S3 ME3LA4**	153	**C803_197.9 P100 BE100LA4**	154
7.8	2520	1.6	184.4	35000	**C803_184.4 S3 ME3LA4**	153	**C803_184.4 P100 BE100LA4**	154
8.0	2450	0.9	179.2	25000	**C703_179.2 S3 ME3LA4**	150	**C703_179.2 P100 BE100LA4**	151
8.5	2310	1.7	169.0	35000	**C803_169.0 S3 ME3LA4**	153	**C803_169.0 P100 BE100LA4**	154
8.8	2226	1.0	162.8	25000	**C703_162.8 S3 ME3LA4**	150	**C703_162.8 P100 BE100LA4**	151
9.5	2055	1.1	150.3	25000	**C703_150.3 S3 ME3LA4**	150	**C703_150.3 P100 BE100LA4**	151
9.6	2038	2.0	149.1	35000	**C803_149.1 S3 ME3LA4**	153	**C803_149.1 P100 BE100LA4**	154
10.4	1878	1.2	137.4	25000	**C703_137.4 S3 ME3LA4**	150	**C703_137.4 P100 BE100LA4**	151
10.5	1869	2.1	136.7	35000	**C803_136.7 S3 ME3LA4**	153	**C803_136.7 P100 BE100LA4**	154
11.2	1695	0.9	128.1	16000	**C613_128.1 S3 ME3LA4**	146	**C613_128.1 P100 BE100LA4**	147
11.3	1734	1.3	126.8	25000	**C703_126.8 S3 ME3LA4**	150	**C703_126.8 P100 BE100LA4**	151
12.0	1633	2.4	119.5	35000	**C803_119.5 S3 ME3LA4**	153	**C803_119.5 P100 BE100LA4**	154
12.6	1503	1.1	113.6	16000	**C613_113.6 S3 ME3LA4**	146	**C613_113.6 P100 BE100LA4**	147
12.7	1537	1.5	112.4	25000	**C703_112.4 S3 ME3LA4**	150	**C703_112.4 P100 BE100LA4**	151
13.1	1497	2.7	109.5	35000	**C803_109.5 S3 ME3LA4**	153	**C803_109.5 P100 BE100LA4**	154
13.8	1419	1.6	103.8	25000	**C703_103.8 S3 ME3LA4**	150	**C703_103.8 P100 BE100LA4**	151
13.8	1371	1.2	103.6	16000	**C613_103.6 S3 ME3LA4**	146	**C613_103.6 P100 BE100LA4**	147
14.7	1331	3.0	97.4	35000	**C803_97.4 S3 ME3LA4**	153	**C803_97.4 P100 BE100LA4**	154
15.7	1204	1.3	91.0	16000	**C613_91.0 S3 ME3LA4**	146	**C613_91.0 P100 BE100LA4**	147
16.0	1220	3.3	89.3	35000	**C803_89.3 S3 ME3LA4**	153	**C803_89.3 P100 BE100LA4**	154
16.2	1206	1.9	88.2	25000	**C703_88.2 S3 ME3LA4**	150	**C703_88.2 P100 BE100LA4**	151
17.2	1099	1.5	83.0	16000	**C613_83.0 S3 ME3LA4**	146	**C613_83.0 P100 BE100LA4**	147
17.6	1113	2.1	81.4	25000	**C703_81.4 S3 ME3LA4**	150	**C703_81.4 P100 BE100LA4**	151
17.9	1092	0.9	79.9	10000	**C513_79.9 S3 ME3LA4**	142	**C513_79.9 P100 BE100LA4**	143
19.3	982	1.6	74.2	16000	**C613_74.2 S3 ME3LA4**	146	**C613_74.2 P100 BE100LA4**	147
19.6	997	1.0	72.9	10000	**C513_72.9 S3 ME3LA4**	142	**C513_72.9 P100 BE100LA4**	143
20.0	975	2.4	71.3	25000	**C703_71.3 S3 ME3LA4**	150	**C703_71.3 P100 BE100LA4**	151
21.1	896	1.8	67.7	16000	**C613_67.7 S3 ME3LA4**	146	**C613_67.7 P100 BE100LA4**	147
21.7	900	2.6	65.9	25000	**C703_65.9 S3 ME3LA4**	150	**C703_65.9 P100 BE100LA4**	151
22.1	883	1.1	64.6	10000	**C513_64.6 S3 ME3LA4**	142	**C513_64.6 P100 BE100LA4**	143
24.2	806	1.2	59.0	10000	**C513_59.0 S3 ME3LA4**	142	**C513_59.0 P100 BE100LA4**	143
24.4	775	2.1	58.6	16000	**C613_58.6 S3 ME3LA4**	146	**C613_58.6 P100 BE100LA4**	147
25.1	796	1.0	57.0	10000	**C512_57.0 S3 ME3LA4**	142	**C512_57.0 P100 BE100LA4**	143
25.3	773	3.0	56.5	25000	**C703_56.5 S3 ME3LA4**	150	**C703_56.5 P100 BE100LA4**	151
26.7	707	2.3	53.5	16000	**C613_53.5 S3 ME3LA4**	146	**C613_53.5 P100 BE100LA4**	147
27.8	718	1.0	51.4	10000	**C512_51.4 S3 ME3LA4**	142	**C512_51.4 P100 BE100LA4**	143
27.9	700	1.4	51.2	10000	**C513_51.2 S3 ME3LA4**	142	**C513_51.2 P100 BE100LA4**	143
29.9	668	1.2	47.8	10000	**C512_47.8 S3 ME3LA4**	142	**C512_47.8 P100 BE100LA4**	143
30	630	2.5	47.6	16000	**C613_47.6 S3 ME3LA4**	146	**C613_47.6 P100 BE100LA4**	147
30	642	0.9	47.0	6440	**C413_47.0 S3 ME3LA4**	138	**C413_47.0 P100 BE100LA4**	139
31	639	1.6	46.7	10000	**C513_46.7 S3 ME3LA4**	142	**C513_46.7 P100 BE100LA4**	143
33	575	2.8	43.4	16000	**C613_43.4 S3 ME3LA4**	146	**C613_43.4 P100 BE100LA4**	147
33	602	1.3	43.1	10000	**C512_43.1 S3 ME3LA4**	142	**C512_43.1 P100 BE100LA4**	143
35	553	1.8	40.5	10000	**C513_40.5 S3 ME3LA4**	142	**C513_40.5 P100 BE100LA4**	143
35	564	1.4	40.4	10000	**C512_40.4 S3 ME3LA4**	142	**C512_40.4 P100 BE100LA4**	143
35	551	1.1	40.3	6460	**C413_40.3 S3 ME3LA4**	138	**C413_40.3 P100 BE100LA4**	139
38	531	2.5	38.0	16000	**C612_38.0 S3 ME3LA4**	146	**C612_38.0 P100 BE100LA4**	147
39	518	1.0	37.1	6370	**C412_37.1 S3 ME3LA4**	138	**C412_37.1 P100 BE100LA4**	139
39	505	2.0	37.0	10000	**C513_37.0 S3 ME3LA4**	142	**C513_37.0 P100 BE100LA4**	143
39	503	1.2	36.8	6390	**C413_36.8 S3 ME3LA4**	138	**C413_36.8 P100 BE100LA4**	139
39	508	1.6	36.4	10000	**C512_36.4 S3 ME3LA4**	142	**C512_36.4 P100 BE100LA4**	143
41	473	1.0	34.6	5350	**C363_34.6 S3 ME3LA4**	134	**C363_34.6 P100 BE100LA4**	135
42	478	2.6	34.2	16000	**C612_34.2 S3 ME3LA4**	146	**C612_34.2 P100 BE100LA4**	147
43	466	1.1	33.4	6290	**C412_33.4 S3 ME3LA4**	138	**C412_33.4 P100 BE100LA4**	139
43	461	1.7	33.0	10000	**C512_33.0 S3 ME3LA4**	142	**C512_33.0 P100 BE100LA4**	143
45	439	1.1	31.4	6290	**C412_31.4 S3 ME3LA4**	138	**C412_31.4 P100 BE100LA4**	139
47	425	3.2	30.4	16000	**C612_30.4 S3 ME3LA4**	146	**C612_30.4 P100 BE100LA4**	147
48	411	2.4	30.1	10000	**C513_30.1 S3 ME3LA4**	142	**C513_30.1 P100 BE100LA4**	143
48	416	1.9	29.8	10000	**C512_29.8 S3 ME3LA4**	142	**C512_29.8 P100 BE100LA4**	143
50	393	1.1	28.7	5220	**C363_28.7 S3 ME3LA4**	134	**C363_28.7 P100 BE100LA4**	135
51	395	1.3	28.3	6190	**C412_28.3 S3 ME3LA4**	138	**C412_28.3 P100 BE100LA4**	139
52	375	2.6	27.4	10000	**C513_27.4 S3 ME3LA4**	142	**C513_27.4 P100 BE100LA4**	143



2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
52	383	3.5	27.4	15900	**C612_27.4 S3 ME3LA4**	146	**C612_27.4 P100 BE100LA4**	147
55	358	1.2	26.2	5140	**C363_26.2 S3 ME3LA4**	134	**C363_26.2 P100 BE100LA4**	135
55	362	2.2	25.9	10000	**C512_25.9 S3 ME3LA4**	142	**C512_25.9 P100 BE100LA4**	143
57	351	0.9	25.1	4270	**C322_25.1 S3 ME3LA4**	130	**C322_25.1 P100 BE100LA4**	131
57	350	1.4	25.0	6120	**C412_25.0 S3 ME3LA4**	138	**C412_25.0 P100 BE100LA4**	139
61	326	2.5	23.4	10000	**C512_23.4 S3 ME3LA4**	142	**C512_23.4 P100 BE100LA4**	143
62	320	0.9	22.9	4240	**C322_22.9 S3 ME3LA4**	130	**C322_22.9 P100 BE100LA4**	131
63	315	1.6	22.6	6000	**C412_22.6 S3 ME3LA4**	138	**C412_22.6 P100 BE100LA4**	139
65	303	1.4	22.1	5060	**C363_22.1 S3 ME3LA4**	134	**C363_22.1 P100 BE100LA4**	135
68	293	2.7	21.0	10000	**C512_21.0 S3 ME3LA4**	142	**C512_21.0 P100 BE100LA4**	143
71	280	1.1	20.1	4200	**C322_20.1 S3 ME3LA4**	130	**C322_20.1 P100 BE100LA4**	131
72	276	1.8	19.8	5890	**C412_19.8 S3 ME3LA4**	138	**C412_19.8 P100 BE100LA4**	139
75	265	1.4	19.0	4920	**C362_19.0 S3 ME3LA4**	134	**C362_19.0 P100 BE100LA4**	135
76	264	3.0	18.9	10000	**C512_18.9 S3 ME3LA4**	142	**C512_18.9 P100 BE100LA4**	143
77	258	1.0	12.3	4100	**C322_12.3 S4 ME4SA6**	130	**C322_12.3 P112 BE112M6**	131
79	254	1.1	18.2	4120	**C322_18.2 S3 ME3LA4**	130	**C322_18.2 P100 BE100LA4**	131
80	248	1.9	17.8	5760	**C412_17.8 S3 ME3LA4**	138	**C412_17.8 P100 BE100LA4**	139
83	240	1.6	17.2	4800	**C362_17.2 S3 ME3LA4**	134	**C362_17.2 P100 BE100LA4**	135
85	234	1.0	11.2	4060	**C322_11.2 S4 ME4SA6**	130	**C322_11.2 P112 BE112M6**	131
90	221	2.0	15.8	5650	**C412_15.8 S3 ME3LA4**	138	**C412_15.8 P100 BE100LA4**	139
92	218	1.2	15.6	4060	**C322_15.6 S3 ME3LA4**	130	**C322_15.6 P100 BE100LA4**	131
97	206	1.8	14.8	4710	**C362_14.8 S3 ME3LA4**	134	**C362_14.8 P100 BE100LA4**	135
100	199	2.2	14.2	5510	**C412_14.2 S3 ME3LA4**	138	**C412_14.2 P100 BE100LA4**	139
102	197	1.3	14.1	3980	**C322_14.1 S3 ME3LA4**	130	**C322_14.1 P100 BE100LA4**	131
103	194	1.1	9.3	3960	**C322_9.3 S4 ME4SA6**	130	**C322_9.3 P112 BE112M6**	131
107	186	2.0	13.3	4590	**C362_13.3 S3 ME3LA4**	134	**C362_13.3 P100 BE100LA4**	135
113	177	1.2	8.5	3890	**C322_8.5 S4 ME4SA6**	130	**C322_8.5 P112 BE112M6**	131
115	173	0.9	12.4	2270	**C222_12.4 S3 ME3LA4**	126	**C222_12.4 P100 BE100LA4**	127
115	173	2.5	12.4	5360	**C412_12.4 S3 ME3LA4**	138	**C412_12.4 P100 BE100LA4**	139
116	172	1.4	12.3	3900	**C322_12.3 S3 ME3LA4**	130	**C322_12.3 P100 BE100LA4**	131
123	163	2.3	11.7	4490	**C362_11.7 S3 ME3LA4**	134	**C362_11.7 P100 BE100LA4**	135
128	156	1.5	11.2	3800	**C322_11.2 S3 ME3LA4**	130	**C322_11.2 P100 BE100LA4**	131
128	156	2.7	11.2	5220	**C412_11.2 S3 ME3LA4**	138	**C412_11.2 P100 BE100LA4**	139
129	155	1.0	11.1	2250	**C222_11.1 S3 ME3LA4**	126	**C222_11.1 P100 BE100LA4**	127
133	150	1.3	7.2	3810	**C322_7.2 S4 ME4SA6**	130	**C322_7.2 P112 BE112M6**	131
135	148	2.6	10.6	4320	**C362_10.6 S3 ME3LA4**	134	**C362_10.6 P100 BE100LA4**	135
148	135	1.1	9.6	2250	**C222_9.6 S3 ME3LA4**	126	**C222_9.6 P100 BE100LA4**	127
149	134	2.9	9.6	5050	**C412_9.6 S3 ME3LA4**	138	**C412_9.6 P100 BE100LA4**	139
152	131	1.2	6.3	3510	**C322_6.3 S4 ME4SA6**	130	**C322_6.3 P112 BE112M6**	131
154	130	1.7	9.3	3690	**C322_9.3 S3 ME3LA4**	130	**C322_9.3 P100 BE100LA4**	131
163	123	3.1	8.8	4210	**C362_8.8 S3 ME3LA4**	134	**C362_8.8 P100 BE100LA4**	135
165	121	1.1	8.7	2220	**C222_8.7 S3 ME3LA4**	126	**C222_8.7 P100 BE100LA4**	127
165	121	3.2	8.6	4850	**C412_8.6 S3 ME3LA4**	138	**C412_8.6 P100 BE100LA4**	139
169	118	1.8	8.5	3600	**C322_8.5 S3 ME3LA4**	130	**C322_8.5 P100 BE100LA4**	131
169	118	1.3	5.7	3450	**C322_5.7 S4 ME4SA6**	130	**C322_5.7 P112 BE112M6**	131
193	103	1.5	5.0	3410	**C322_5.0 S4 ME4SA6**	130	**C322_5.0 P112 BE112M6**	131
200	100	2.0	7.2	3480	**C322_7.2 S3 ME3LA4**	130	**C322_7.2 P100 BE100LA4**	131
202	99	1.3	7.1	2180	**C222_7.1 S3 ME3LA4**	126	**C222_7.1 P100 BE100LA4**	127
228	87	1.8	6.3	3250	**C322_6.3 S3 ME3LA4**	130	**C322_6.3 P100 BE100LA4**	131
235	85	1.2	6.1	2040	**C222_6.1 S3 ME3LA4**	126	**C222_6.1 P100 BE100LA4**	127
245	82	2.4	5.8	3710	**C362_5.8 S3 ME3LA4**	134	**C362_5.8 P100 BE100LA4**	135
253	79	2.0	5.7	3180	**C322_5.7 S3 ME3LA4**	130	**C322_5.7 P100 BE100LA4**	131
256	78	1.3	5.6	2050	**C222_5.6 S3 ME3LA4**	126	**C222_5.6 P100 BE100LA4**	127
271	74	2.7	5.3	3550	**C362_5.3 S3 ME3LA4**	134	**C362_5.3 P100 BE100LA4**	135
289	69	2.2	5.0	3100	**C322_5.0 S3 ME3LA4**	130	**C322_5.0 P100 BE100LA4**	131
300	67	1.5	4.8	1970	**C222_4.8 S3 ME3LA4**	126	**C222_4.8 P100 BE100LA4**	127
309	65	3.4	9.3	3130	**C322_9.3 S3 ME3LA2**	130	**C322_9.3 P90 BE90L2**	131
309	65	3.1	4.6	3490	**C362_4.6 S3 ME3LA4**	134	**C362_4.6 P100 BE100LA4**	135
318	63	2.4	4.5	3000	**C322_4.5 S3 ME3LA4**	130	**C322_4.5 P100 BE100LA4**	131
332	60	2.3	8.7	2000	**C222_8.7 S3 ME3LA2**	126	**C222_8.7 P90 BE90L2**	127
336	59	1.6	4.3	1970	**C222_4.3 S3 ME3LA4**	126	**C222_4.3 P100 BE100LA4**	127
355	56	3.6	2.7	3380	**C362_2.7 S4 ME4SA6**	134	**C362_2.7 P112 BE112M6**	135
377	53	1.1	7.6	930	**C122_7.6 S3 ME3LA2**	122	**C122_7.6 P90 BE90L2**	123
383	52	2.9	3.7	2890	**C322_3.7 S3 ME3LA4**	130	**C322_3.7 P100 BE100LA4**	131
386	52	1.7	3.7	1890	**C222_3.7 S3 ME3LA4**	126	**C222_3.7 P100 BE100LA4**	127

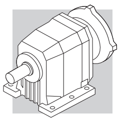


2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
401	50	4.0	7.2	2920	**C322_7.2 S3 ME3LA2**	130	**C322_7.2 P90 BE90L2**	131
405	49	2.6	7.1	1920	**C222_7.1 S3 ME3LA2**	126	**C222_7.1 P90 BE90L2**	127
419	48	2.9	3.4	2800	**C322_3.4 S3 ME3LA4**	130	**C322_3.4 P100 BE100LA4**	131
430	46	1.8	3.3	1890	**C222_3.3 S3 ME3LA4**	126	**C222_3.3 P100 BE100LA4**	127
446	45	0.9	3.2	580	**C122_3.2 S3 ME3LA4**	122	**C122_3.2 P100 BE100LA4**	123
458	44	3.6	6.3	2760	**C322_6.3 S3 ME3LA2**	130	**C322_6.3 P90 BE90L2**	131
472	42	2.5	6.1	1820	**C222_6.1 S3 ME3LA2**	126	**C222_6.1 P90 BE90L2**	127
497	40	3.2	2.9	2700	**C322_2.9 S3 ME3LA4**	130	**C322_2.9 P100 BE100LA4**	131
513	39	2.6	5.6	1770	**C222_5.6 S3 ME3LA2**	126	**C222_5.6 P90 BE90L2**	127
517	39	1.0	2.8	690	**C122_2.8 S3 ME3LA4**	122	**C122_2.8 P100 BE100LA4**	123
525	38	2.1	2.7	1770	**C222_2.7 S3 ME3LA4**	126	**C222_2.7 P100 BE100LA4**	127
602	33	3.0	4.8	1720	**C222_4.8 S3 ME3LA2**	126	**C222_4.8 P90 BE90L2**	127
674	30	3.2	4.3	1670	**C222_4.3 S3 ME3LA2**	126	**C222_4.3 P90 BE90L2**	127
774	26	3.5	3.7	1620	**C222_3.7 S3 ME3LA2**	126	**C222_3.7 P90 BE90L2**	127
786	25	1.7	3.7	970	**C122_3.7 S3 ME3LA2**	122	**C122_3.7 P90 BE90L2**	123
863	23	3.7	3.3	1550	**C222_3.3 S3 ME3LA2**	126	**C222_3.3 P90 BE90L2**	127
895	22	1.8	3.2	940	**C122_3.2 S3 ME3LA2**	122	**C122_3.2 P90 BE90L2**	123
1037	19	1.9	2.8	920	**C122_2.8 S3 ME3LA2**	122	**C122_2.8 P90 BE90L2**	123
1054	19	4.2	2.7	1490	**C222_2.7 S3 ME3LA2**	126	**C222_2.7 P90 BE90L2**	127

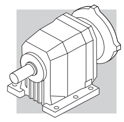
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
2.0	12965	0.9	720.3	85000	**C1004_720.3 S3 ME3LB4**	159	**C1004_720.3 P100 BE100LB4**	160
2.3	11293	1.1	627.4	85000	**C1004_627.4 S3 ME3LB4**	159	**C1004_627.4 P100 BE100LB4**	160
2.5	10487	1.1	582.6	85000	**C1004_582.6 S3 ME3LB4**	159	**C1004_582.6 P100 BE100LB4**	160
2.9	9047	1.3	502.6	85000	**C1004_502.6 S3 ME3LB4**	159	**C1004_502.6 P100 BE100LB4**	160
3.1	8401	1.4	466.7	85000	**C1004_466.7 S3 ME3LB4**	159	**C1004_466.7 P100 BE100LB4**	160
3.4	7543	1.0	419.0	60000	**C904_419.0 S3 ME3LB4**	156	**C904_419.0 P100 BE100LB4**	157
3.5	7376	1.6	409.8	85000	**C1004_409.8 S3 ME3LB4**	159	**C1004_409.8 P100 BE100LB4**	160
3.8	6849	1.8	380.5	85000	**C1004_380.5 S3 ME3LB4**	159	**C1004_380.5 P100 BE100LB4**	160
3.9	6656	1.1	369.8	60000	**C904_369.8 S3 ME3LB4**	156	**C904_369.8 P100 BE100LB4**	157
4.2	6101	1.2	339.0	60000	**C904_339.0 S3 ME3LB4**	156	**C904_339.0 P100 BE100LB4**	157
4.4	5825	2.1	323.6	85000	**C1004_323.6 S3 ME3LB4**	159	**C1004_323.6 P100 BE100LB4**	160
4.8	5409	2.2	300.5	85000	**C1004_300.5 S3 ME3LB4**	159	**C1004_300.5 P100 BE100LB4**	160
4.9	5272	1.4	292.9	60000	**C904_292.9 S3 ME3LB4**	156	**C904_292.9 P100 BE100LB4**	157
5.4	4833	1.5	268.5	60000	**C904_268.5 S3 ME3LB4**	156	**C904_268.5 P100 BE100LB4**	157
5.5	4734	2.5	263.0	85000	**C1004_263.0 S3 ME3LB4**	159	**C1004_263.0 P100 BE100LB4**	160
5.9	4396	2.7	244.2	85000	**C1004_244.2 S3 ME3LB4**	159	**C1004_244.2 P100 BE100LB4**	160
6.2	4170	1.7	231.7	60000	**C904_231.7 S3 ME3LB4**	156	**C904_231.7 P100 BE100LB4**	157
6.7	4015	1.0	215.8	35000	**C803_215.8 S3 ME3LB4**	153	**C803_215.8 P100 BE100LB4**	154
6.8	3823	1.9	212.4	60000	**C904_212.4 S3 ME3LB4**	156	**C904_212.4 P100 BE100LB4**	157
7.3	3680	1.0	197.9	35000	**C803_197.9 S3 ME3LB4**	153	**C803_197.9 P100 BE100LB4**	154
7.8	3429	1.2	184.4	35000	**C803_184.4 S3 ME3LB4**	153	**C803_184.4 P100 BE100LB4**	154
8.4	3201	2.2	172.1	60000	**C903_172.1 S3 ME3LB4**	156	**C903_172.1 P100 BE100LB4**	157
8.5	3143	1.3	169.0	35000	**C803_169.0 S3 ME3LB4**	153	**C803_169.0 P100 BE100LB4**	154
9.1	2934	2.4	157.8	60000	**C903_157.8 S3 ME3LB4**	156	**C903_157.8 P100 BE100LB4**	157
9.7	2773	1.4	149.1	35000	**C803_149.1 S3 ME3LB4**	153	**C803_149.1 P100 BE100LB4**	154
9.8	2722	2.6	146.3	60000	**C903_146.3 S3 ME3LB4**	156	**C903_146.3 P100 BE100LB4**	157
10.5	2542	1.6	136.7	35000	**C803_136.7 S3 ME3LB4**	153	**C803_136.7 P100 BE100LB4**	154
10.7	2495	2.8	134.1	60000	**C903_134.1 S3 ME3LB4**	156	**C903_134.1 P100 BE100LB4**	157
11.4	2359	1.0	126.8	25000	**C703_126.8 S3 ME3LB4**	150	**C703_126.8 P100 BE100LB4**	151
12.1	2222	1.8	119.5	35000	**C803_119.5 S3 ME3LB4**	153	**C803_119.5 P100 BE100LB4**	154



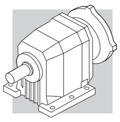
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
12.3	2171	3.3	116.7	60000	**C903_116.7 S3 ME3LB4**	156	**C903_116.7 P100 BE100LB4**	157
12.8	2091	1.1	112.4	25000	**C703_112.4 S3 ME3LB4**	150	**C703_112.4 P100 BE100LB4**	151
13.2	2037	2.0	109.5	35000	**C803_109.5 S3 ME3LB4**	153	**C803_109.5 P100 BE100LB4**	154
13.9	1931	1.2	103.8	25000	**C703_103.8 S3 ME3LB4**	150	**C703_103.8 P100 BE100LB4**	151
14.8	1811	2.2	97.4	35000	**C803_97.4 S3 ME3LB4**	153	**C803_97.4 P100 BE100LB4**	154
15.8	1638	1.0	91.0	16000	**C613_91.0 S3 ME3LB4**	146	**C613_91.0 P100 BE100LB4**	147
16.1	1660	2.4	89.3	35000	**C803_89.3 S3 ME3LB4**	153	**C803_89.3 P100 BE100LB4**	154
16.3	1640	1.4	88.2	25000	**C703_88.2 S3 ME3LB4**	150	**C703_88.2 P100 BE100LB4**	151
17.3	1495	1.1	83.0	16000	**C613_83.0 S3 ME3LB4**	146	**C613_83.0 P100 BE100LB4**	147
17.7	1514	1.5	81.4	25000	**C703_81.4 S3 ME3LB4**	150	**C703_81.4 P100 BE100LB4**	151
18.7	1431	2.8	76.9	35000	**C803_76.9 S3 ME3LB4**	153	**C803_76.9 P100 BE100LB4**	154
19.4	1336	1.2	74.2	16000	**C613_74.2 S3 ME3LB4**	146	**C613_74.2 P100 BE100LB4**	147
20.2	1327	1.7	71.3	25000	**C703_71.3 S3 ME3LB4**	150	**C703_71.3 P100 BE100LB4**	151
20.4	1311	3.1	70.5	35000	**C803_70.5 S3 ME3LB4**	153	**C803_70.5 P100 BE100LB4**	154
21.3	1218	1.3	67.7	16000	**C613_67.7 S3 ME3LB4**	146	**C613_67.7 P100 BE100LB4**	147
21.9	1225	1.9	65.9	25000	**C703_65.9 S3 ME3LB4**	150	**C703_65.9 P100 BE100LB4**	151
24.4	1097	0.9	59.0	10000	**C513_59.0 S3 ME3LB4**	142	**C513_59.0 P100 BE100LB4**	143
24.6	1055	1.5	58.6	16000	**C613_58.6 S3 ME3LB4**	146	**C613_58.6 P100 BE100LB4**	147
25.5	1051	2.2	56.5	25000	**C703_56.5 S3 ME3LB4**	150	**C703_56.5 P100 BE100LB4**	151
26.9	962	1.7	53.5	16000	**C613_53.5 S3 ME3LB4**	146	**C613_53.5 P100 BE100LB4**	147
27.6	970	2.4	52.2	25000	**C703_52.2 S3 ME3LB4**	150	**C703_52.2 P100 BE100LB4**	151
28.1	952	1.1	51.2	10000	**C513_51.2 S3 ME3LB4**	142	**C513_51.2 P100 BE100LB4**	143
30	857	1.9	47.6	16000	**C613_47.6 S3 ME3LB4**	146	**C613_47.6 P100 BE100LB4**	147
31	869	1.2	46.7	10000	**C513_46.7 S3 ME3LB4**	142	**C513_46.7 P100 BE100LB4**	143
32	831	2.8	44.7	25000	**C703_44.7 S3 ME3LB4**	150	**C703_44.7 P100 BE100LB4**	151
33	782	2.0	43.4	16000	**C613_43.4 S3 ME3LB4**	146	**C613_43.4 P100 BE100LB4**	147
33	819	0.9	43.1	10000	**C512_43.1 S3 ME3LB4**	142	**C512_43.1 P100 BE100LB4**	143
35	767	3.0	41.3	25000	**C703_41.3 S3 ME3LB4**	150	**C703_41.3 P100 BE100LB4**	151
36	753	1.3	40.5	10000	**C513_40.5 S3 ME3LB4**	142	**C513_40.5 P100 BE100LB4**	143
36	767	1.0	40.4	10000	**C512_40.4 S3 ME3LB4**	142	**C512_40.4 P100 BE100LB4**	143
38	722	1.9	38.0	16000	**C612_38.0 S3 ME3LB4**	146	**C612_38.0 P100 BE100LB4**	147
39	687	1.5	37.0	10000	**C513_37.0 S3 ME3LB4**	142	**C513_37.0 P100 BE100LB4**	143
40	691	1.1	36.4	10000	**C512_36.4 S3 ME3LB4**	142	**C512_36.4 P100 BE100LB4**	143
40	651	2.4	36.1	16000	**C613_36.1 S3 ME3LB4**	146	**C613_36.1 P100 BE100LB4**	147
42	650	1.9	34.2	16000	**C612_34.2 S3 ME3LB4**	146	**C612_34.2 P100 BE100LB4**	147
44	628	1.3	33.0	10000	**C512_33.0 S3 ME3LB4**	142	**C512_33.0 P100 BE100LB4**	143
44	594	2.6	33.0	16000	**C613_33.0 S3 ME3LB4**	146	**C613_33.0 P100 BE100LB4**	147
46	581	1.0	31.2	5550	**C413_31.2 S3 ME3LB4**	138	**C413_31.2 P100 BE100LB4**	139
47	578	2.3	30.4	15900	**C612_30.4 S3 ME3LB4**	146	**C612_30.4 P100 BE100LB4**	147
48	559	1.8	30.1	10000	**C513_30.1 S3 ME3LB4**	142	**C513_30.1 P100 BE100LB4**	143
48	566	1.4	29.8	10000	**C512_29.8 S3 ME3LB4**	142	**C512_29.8 P100 BE100LB4**	143
51	538	0.9	28.3	5460	**C412_28.3 S3 ME3LB4**	138	**C412_28.3 P100 BE100LB4**	139
52	511	1.9	27.4	10000	**C513_27.4 S3 ME3LB4**	142	**C513_27.4 P100 BE100LB4**	143
53	521	2.6	27.4	15400	**C612_27.4 S3 ME3LB4**	146	**C612_27.4 P100 BE100LB4**	147
55	487	0.9	26.2	4500	**C363_26.2 S3 ME3LB4**	134	**C363_26.2 P100 BE100LB4**	135
56	492	1.6	25.9	10000	**C512_25.9 S3 ME3LB4**	142	**C512_25.9 P100 BE100LB4**	143
57	476	1.1	25.0	5480	**C412_25.0 S3 ME3LB4**	138	**C412_25.0 P100 BE100LB4**	139
58	472	2.9	24.8	15100	**C612_24.8 S3 ME3LB4**	146	**C612_24.8 P100 BE100LB4**	147
62	444	1.8	23.4	10000	**C512_23.4 S3 ME3LB4**	142	**C512_23.4 P100 BE100LB4**	143
64	429	1.2	22.6	5420	**C412_22.6 S3 ME3LB4**	138	**C412_22.6 P100 BE100LB4**	139
64	425	3.2	22.4	14600	**C612_22.4 S3 ME3LB4**	146	**C612_22.4 P100 BE100LB4**	147
65	412	1.0	22.1	4530	**C363_22.1 S3 ME3LB4**	134	**C363_22.1 P100 BE100LB4**	135
69	398	2.0	21.0	10000	**C512_21.0 S3 ME3LB4**	142	**C512_21.0 P100 BE100LB4**	143
73	375	1.3	19.8	5390	**C412_19.8 S3 ME3LB4**	138	**C412_19.8 P100 BE100LB4**	139
76	361	1.1	19.0	4450	**C362_19.0 S3 ME3LB4**	134	**C362_19.0 P100 BE100LB4**	135
76	359	2.2	18.9	10000	**C512_18.9 S3 ME3LB4**	142	**C512_18.9 P100 BE100LB4**	143
81	338	1.4	17.8	5300	**C412_17.8 S3 ME3LB4**	138	**C412_17.8 P100 BE100LB4**	139



3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
84	327	1.2	17.2	4400	**C362_17.2 S3 ME3LB4**	134	**C362_17.2 P100 BE100LB4**	135
87	315	2.5	16.6	9790	**C512_16.6 S3 ME3LB4**	142	**C512_16.6 P100 BE100LB4**	143
91	301	1.5	15.8	5240	**C412_15.8 S3 ME3LB4**	138	**C412_15.8 P100 BE100LB4**	139
92	296	0.9	15.6	3680	**C322_15.6 S3 ME3LB4**	130	**C322_15.6 P100 BE100LB4**	131
96	284	2.8	15.0	9540	**C512_15.0 S3 ME3LB4**	142	**C512_15.0 P100 BE100LB4**	143
98	280	1.4	14.8	4340	**C362_14.8 S3 ME3LB4**	134	**C362_14.8 P100 BE100LB4**	135
101	271	1.6	14.2	5140	**C412_14.2 S3 ME3LB4**	138	**C412_14.2 P100 BE100LB4**	139
102	267	0.9	14.1	3650	**C322_14.1 S3 ME3LB4**	130	**C322_14.1 P100 BE100LB4**	131
108	253	1.5	13.3	4260	**C362_13.3 S3 ME3LB4**	134	**C362_13.3 P100 BE100LB4**	135
110	249	3.0	13.1	9200	**C512_13.1 S3 ME3LB4**	142	**C512_13.1 P100 BE100LB4**	143
116	235	1.8	12.4	5040	**C412_12.4 S3 ME3LB4**	138	**C412_12.4 P100 BE100LB4**	139
117	234	1.0	12.3	3580	**C322_12.3 S3 ME3LB4**	130	**C322_12.3 P100 BE100LB4**	131
123	222	1.7	11.7	4200	**C362_11.7 S3 ME3LB4**	134	**C362_11.7 P100 BE100LB4**	135
129	213	1.1	11.2	3520	**C322_11.2 S3 ME3LB4**	130	**C322_11.2 P100 BE100LB4**	131
129	212	2.0	11.2	4930	**C412_11.2 S3 ME3LB4**	138	**C412_11.2 P100 BE100LB4**	139
136	201	1.9	10.6	4100	**C362_10.6 S3 ME3LB4**	134	**C362_10.6 P100 BE100LB4**	135
143	190	1.6	20.1	3480	**C322_20.1 S3 ME3LB2**	130	**C322_20.1 P100 BE100L2**	131
150	182	2.1	9.6	4800	**C412_9.6 S3 ME3LB4**	138	**C412_9.6 P100 BE100LB4**	139
155	177	1.2	9.3	3450	**C322_9.3 S3 ME3LB4**	130	**C322_9.3 P100 BE100LB4**	131
158	172	1.6	18.2	3410	**C322_18.2 S3 ME3LB2**	130	**C322_18.2 P100 BE100L2**	131
164	167	2.3	8.8	3990	**C362_8.8 S3 ME3LB4**	134	**C362_8.8 P100 BE100LB4**	135
167	164	2.3	8.6	4600	**C412_8.6 S3 ME3LB4**	138	**C412_8.6 P100 BE100LB4**	139
170	161	1.3	8.5	3400	**C322_8.5 S3 ME3LB4**	130	**C322_8.5 P100 BE100LB4**	131
179	153	2.4	8.0	3840	**C362_8.0 S3 ME3LB4**	134	**C362_8.0 P100 BE100LB4**	135
182	150	1.2	15.8	1940	**C222_15.8 S3 ME3LB2**	126	**C222_15.8 P100 BE100L2**	127
185	147	1.8	15.6	3340	**C322_15.6 S3 ME3LB2**	130	**C322_15.6 P100 BE100L2**	131
201	136	1.5	7.2	3300	**C322_7.2 S3 ME3LB4**	130	**C322_7.2 P100 BE100LB4**	131
203	135	1.0	7.1	1940	**C222_7.1 S3 ME3LB4**	126	**C222_7.1 P100 BE100LB4**	127
204	134	2.6	7.1	4490	**C412_7.1 S3 ME3LB4**	138	**C412_7.1 P100 BE100LB4**	139
205	133	1.9	14.1	3250	**C322_14.1 S3 ME3LB2**	130	**C322_14.1 P100 BE100L2**	131
212	129	2.8	6.8	3780	**C362_6.8 S3 ME3LB4**	134	**C362_6.8 P100 BE100LB4**	135
226	121	2.9	6.4	4370	**C412_6.4 S3 ME3LB4**	138	**C412_6.4 P100 BE100LB4**	139
230	119	1.3	6.3	3100	**C322_6.3 S3 ME3LB4**	130	**C322_6.3 P100 BE100LB4**	131
234	116	2.1	12.3	3190	**C322_12.3 S3 ME3LB2**	130	**C322_12.3 P100 BE100L2**	131
237	116	0.9	6.1	1600	**C222_6.1 S3 ME3LB4**	126	**C222_6.1 P100 BE100LB4**	127
242	113	2.3	6.0	4090	**C412_6.0 S3 ME3LB4**	138	**C412_6.0 P100 BE100LB4**	139
246	111	1.8	5.8	3530	**C362_5.8 S3 ME3LB4**	134	**C362_5.8 P100 BE100LB4**	135
255	107	1.4	5.7	3040	**C322_5.7 S3 ME3LB4**	130	**C322_5.7 P100 BE100LB4**	131
257	106	2.2	11.2	3090	**C322_11.2 S3 ME3LB2**	130	**C322_11.2 P100 BE100L2**	131
258	106	1.0	5.6	1750	**C222_5.6 S3 ME3LB4**	126	**C222_5.6 P100 BE100LB4**	127
260	105	1.5	11.1	1850	**C222_11.1 S3 ME3LB2**	126	**C222_11.1 P100 BE100L2**	127
273	100	2.0	5.3	3380	**C362_5.3 S3 ME3LB4**	134	**C362_5.3 P100 BE100LB4**	135
291	94	1.6	5.0	2950	**C322_5.0 S3 ME3LB4**	130	**C322_5.0 P100 BE100LB4**	131
299	91	1.6	9.6	1880	**C222_9.6 S3 ME3LB2**	126	**C222_9.6 P100 BE100L2**	127
302	91	1.1	4.8	1780	**C222_4.8 S3 ME3LB4**	126	**C222_4.8 P100 BE100LB4**	127
309	89	2.9	4.7	3880	**C412_4.7 S3 ME3LB4**	138	**C412_4.7 P100 BE100LB4**	139
310	88	2.5	9.3	2990	**C322_9.3 S3 ME3LB2**	130	**C322_9.3 P100 BE100L2**	131
312	88	2.3	4.6	3270	**C362_4.6 S3 ME3LB4**	134	**C362_4.6 P100 BE100LB4**	135
320	85	1.8	4.5	2880	**C322_4.5 S3 ME3LB4**	130	**C322_4.5 P100 BE100LB4**	131
333	82	1.7	8.7	1840	**C222_8.7 S3 ME3LB2**	126	**C222_8.7 P100 BE100L2**	127
338	81	1.2	4.3	1800	**C222_4.3 S3 ME3LB4**	126	**C222_4.3 P100 BE100LB4**	127
339	80	2.6	8.5	2900	**C322_8.5 S3 ME3LB2**	130	**C322_8.5 P100 BE100L2**	131
343	80	2.5	4.2	3190	**C362_4.2 S3 ME3LB4**	134	**C362_4.2 P100 BE100LB4**	135
386	71	2.1	3.7	2780	**C322_3.7 S3 ME3LB4**	130	**C322_3.7 P100 BE100LB4**	131
388	70	1.3	3.7	1740	**C222_3.7 S3 ME3LB4**	126	**C222_3.7 P100 BE100LB4**	127
402	68	3.0	7.2	2810	**C322_7.2 S3 ME3LB2**	130	**C322_7.2 P100 BE100L2**	131
407	67	1.9	7.1	1800	**C222_7.1 S3 ME3LB2**	126	**C222_7.1 P100 BE100L2**	127

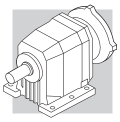


3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
413	66	3.0	3.5	3130	C362_3.5 S3 ME3LB4	134	C362_3.5 P100 BE100LB4	135
422	65	2.1	3.4	2690	C322_3.4 S3 ME3LB4	130	C322_3.4 P100 BE100LB4	131
433	63	1.3	3.3	1740	C222_3.3 S3 ME3LB4	126	C222_3.3 P100 BE100LB4	127
460	59	2.6	6.3	2650	C322_6.3 S3 ME3LB2	130	C322_6.3 P100 BE100L2	131
473	58	1.8	6.1	1690	C222_6.1 S3 ME3LB2	126	C222_6.1 P100 BE100L2	127
500	55	2.4	2.9	2610	C322_2.9 S3 ME3LB4	130	C322_2.9 P100 BE100LB4	131
509	53	2.9	5.7	2570	C322_5.7 S3 ME3LB2	130	C322_5.7 P100 BE100L2	131
515	53	1.9	5.6	1650	C222_5.6 S3 ME3LB2	126	C222_5.6 P100 BE100L2	127
529	52	1.5	2.7	1660	C222_2.7 S3 ME3LB4	126	C222_2.7 P100 BE100LB4	127
582	47	3.3	5.0	2500	C322_5.0 S3 ME3LB2	130	C322_5.0 P100 BE100L2	131
604	45	2.2	4.8	1620	C222_4.8 S3 ME3LB2	126	C222_4.8 P100 BE100L2	127
640	43	3.6	4.5	2400	C322_4.5 S3 ME3LB2	130	C322_4.5 P100 BE100L2	131
676	40	2.3	4.3	1580	C222_4.3 S3 ME3LB2	126	C222_4.3 P100 BE100L2	127
771	35	4.2	3.7	2320	C322_3.7 S3 ME3LB2	130	C322_3.7 P100 BE100L2	131
777	35	2.6	3.7	1540	C222_3.7 S3 ME3LB2	126	C222_3.7 P100 BE100L2	127
789	35	1.2	3.7	560	C122_3.7 S3 ME3LB2	122	C122_3.7 P100 BE100L2	123
866	31	2.7	3.3	1480	C222_3.3 S3 ME3LB2	126	C222_3.3 P100 BE100L2	127
898	30	1.3	3.2	630	C122_3.2 S3 ME3LB2	122	C122_3.2 P100 BE100L2	123
1041	26	1.4	2.8	750	C122_2.8 S3 ME3LB2	122	C122_2.8 P100 BE100L2	123
1058	26	3.1	2.7	1430	C222_2.7 S3 ME3LB2	126	C222_2.7 P100 BE100L2	127

4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
2.9	12214	1.0	502.6	85000	C1004_502.6 S4 ME4SA4	159	C1004_502.6 P112 BE112M4	160
3.1	11342	1.1	466.7	85000	C1004_466.7 S4 ME4SA4	159	C1004_466.7 P112 BE112M4	160
3.5	9957	1.2	409.8	85000	C1004_409.8 S4 ME4SA4	159	C1004_409.8 P112 BE112M4	160
3.8	9246	1.3	380.5	85000	C1004_380.5 S4 ME4SA4	159	C1004_380.5 P112 BE112M4	160
4.4	7864	1.5	323.6	85000	C1004_323.6 S4 ME4SA4	159	C1004_323.6 P112 BE112M4	160
4.8	7302	1.6	300.5	85000	C1004_300.5 S4 ME4SA4	159	C1004_300.5 P112 BE112M4	160
4.9	7118	1.0	292.9	60000	C904_292.9 S4 ME4SA4	156	C904_292.9 P112 BE112M4	157
5.4	6524	1.1	268.5	60000	C904_268.5 S4 ME4SA4	156	C904_268.5 P112 BE112M4	157
5.5	6391	1.9	263.0	85000	C1004_263.0 S4 ME4SA4	159	C1004_263.0 P112 BE112M4	160
5.9	5934	2.0	244.2	85000	C1004_244.2 S4 ME4SA4	159	C1004_244.2 P112 BE112M4	160
6.2	5630	1.3	231.7	60000	C904_231.7 S4 ME4SA4	156	C904_231.7 P112 BE112M4	157
6.8	5161	1.4	212.4	60000	C904_212.4 S4 ME4SA4	156	C904_212.4 P112 BE112M4	157
7.2	4851	2.5	199.6	85000	C1004_199.6 S4 ME4SA4	159	C1004_199.6 P112 BE112M4	160
7.8	4504	2.7	185.4	85000	C1004_185.4 S4 ME4SA4	159	C1004_185.4 P112 BE112M4	160
8.4	4322	1.7	172.1	60000	C903_172.1 S4 ME4SA4	156	C903_172.1 P112 BE112M4	157
8.5	4243	0.9	169.0	35000	C803_169.0 S4 ME4SA4	153	C803_169.0 P112 BE112M4	154
9.1	3961	1.8	157.8	60000	C903_157.8 S4 ME4SA4	156	C903_157.8 P112 BE112M4	157
9.7	3744	1.1	149.1	35000	C803_149.1 S4 ME4SA4	153	C803_149.1 P112 BE112M4	154
9.8	3674	2.0	146.3	60000	C903_146.3 S4 ME4SA4	156	C903_146.3 P112 BE112M4	157
10.5	3432	1.2	136.7	35000	C803_136.7 S4 ME4SA4	153	C803_136.7 P112 BE112M4	154
10.7	3368	2.1	134.1	60000	C903_134.1 S4 ME4SA4	156	C903_134.1 P112 BE112M4	157
12.1	3000	1.3	119.5	35000	C803_119.5 S4 ME4SA4	153	C803_119.5 P112 BE112M4	154
12.3	2931	2.5	116.7	60000	C903_116.7 S4 ME4SA4	156	C903_116.7 P112 BE112M4	157
13.2	2750	1.5	109.5	35000	C803_109.5 S4 ME4SA4	153	C803_109.5 P112 BE112M4	154
13.5	2687	2.6	107.0	60000	C903_107.0 S4 ME4SA4	156	C903_107.0 P112 BE112M4	157
14.8	2445	1.6	97.4	35000	C803_97.4 S4 ME4SA4	153	C803_97.4 P112 BE112M4	154
15.0	2417	3.0	96.2	60000	C903_96.2 S4 ME4SA4	156	C903_96.2 P112 BE112M4	157
16.1	2242	1.8	89.3	35000	C803_89.3 S4 ME4SA4	153	C803_89.3 P112 BE112M4	154
16.3	2215	1.0	88.2	25000	C703_88.2 S4 ME4SA4	150	C703_88.2 P112 BE112M4	151

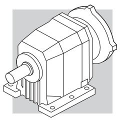


4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
17.7	2044	1.1	81.4	25000	**C703_81.4 S4 ME4SA4**	150	**C703_81.4 P112 BE112M4**	151
18.7	1931	2.1	76.9	35000	**C803_76.9 S4 ME4SA4**	153	**C803_76.9 P112 BE112M4**	154
20.2	1791	1.3	71.3	25000	**C703_71.3 S4 ME4SA4**	150	**C703_71.3 P112 BE112M4**	151
20.4	1770	2.3	70.5	35000	**C803_70.5 S4 ME4SA4**	153	**C803_70.5 P112 BE112M4**	154
21.3	1645	1.0	67.7	16000	**C613_67.7 S4 ME4SA4**	146	**C613_67.7 P112 BE112M4**	147
21.9	1654	1.4	65.9	25000	**C703_65.9 S4 ME4SA4**	150	**C703_65.9 P112 BE112M4**	151
23.0	1570	2.5	62.5	35000	**C803_62.5 S4 ME4SA4**	153	**C803_62.5 P112 BE112M4**	154
24.6	1424	1.1	58.6	16000	**C613_58.6 S4 ME4SA4**	146	**C613_58.6 P112 BE112M4**	147
25.1	1439	2.8	57.3	35000	**C803_57.3 S4 ME4SA4**	153	**C803_57.3 P112 BE112M4**	154
25.5	1419	1.6	56.5	25000	**C703_56.5 S4 ME4SA4**	150	**C703_56.5 P112 BE112M4**	151
26.9	1299	1.2	53.5	16000	**C613_53.5 S4 ME4SA4**	146	**C613_53.5 P112 BE112M4**	147
27.6	1310	1.8	52.2	25000	**C703_52.2 S4 ME4SA4**	150	**C703_52.2 P112 BE112M4**	151
30	1157	1.4	47.6	16000	**C613_47.6 S4 ME4SA4**	146	**C613_47.6 P112 BE112M4**	147
30	1191	3.2	47.4	35000	**C803_47.4 S4 ME4SA4**	153	**C803_47.4 P112 BE112M4**	154
32	1122	2.0	44.7	25000	**C703_44.7 S4 ME4SA4**	150	**C703_44.7 P112 BE112M4**	151
33	1092	3.5	43.5	35000	**C803_43.5 S4 ME4SA4**	153	**C803_43.5 P112 BE112M4**	154
33	1056	1.5	43.4	16000	**C613_43.4 S4 ME4SA4**	146	**C613_43.4 P112 BE112M4**	147
35	1036	2.2	41.3	25000	**C703_41.3 S4 ME4SA4**	150	**C703_41.3 P112 BE112M4**	151
36	1016	1.0	40.5	10000	**C513_40.5 S4 ME4SA4**	142	**C513_40.5 P112 BE112M4**	143
38	975	1.4	38.0	16000	**C612_38.0 S4 ME4SA4**	146	**C612_38.0 P112 BE112M4**	147
39	928	1.1	37.0	10000	**C513_37.0 S4 ME4SA4**	142	**C513_37.0 P112 BE112M4**	143
40	878	1.8	36.1	15700	**C613_36.1 S4 ME4SA4**	146	**C613_36.1 P112 BE112M4**	147
41	891	2.4	34.7	23400	**C702_34.7 S4 ME4SA4**	150	**C702_34.7 P112 BE112M4**	151
42	878	1.4	34.2	15700	**C612_34.2 S4 ME4SA4**	146	**C612_34.2 P112 BE112M4**	147
44	847	0.9	33.0	10000	**C512_33.0 S4 ME4SA4**	142	**C512_33.0 P112 BE112M4**	143
44	801	1.9	33.0	15500	**C613_33.0 S4 ME4SA4**	146	**C613_33.0 P112 BE112M4**	147
47	781	1.7	30.4	15300	**C612_30.4 S4 ME4SA4**	146	**C612_30.4 P112 BE112M4**	147
48	755	1.3	30.1	9880	**C513_30.1 S4 ME4SA4**	142	**C513_30.1 P112 BE112M4**	143
48	764	1.0	29.8	10000	**C512_29.8 S4 ME4SA4**	142	**C512_29.8 P112 BE112M4**	143
52	711	3.0	27.7	22300	**C702_27.7 S4 ME4SA4**	150	**C702_27.7 P112 BE112M4**	151
52	689	1.4	27.4	9550	**C513_27.4 S4 ME4SA4**	142	**C513_27.4 P112 BE112M4**	143
53	703	1.9	27.4	14900	**C612_27.4 S4 ME4SA4**	146	**C612_27.4 P112 BE112M4**	147
54	651	2.2	26.8	14700	**C613_26.8 S4 ME4SA4**	146	**C613_26.8 P112 BE112M4**	147
56	665	1.2	25.9	10000	**C512_25.9 S4 ME4SA4**	142	**C512_25.9 P112 BE112M4**	143
58	637	2.1	24.8	14600	**C612_24.8 S4 ME4SA4**	146	**C612_24.8 P112 BE112M4**	147
60	600	1.5	23.9	9250	**C513_23.9 S4 ME4SA4**	142	**C513_23.9 P112 BE112M4**	143
62	599	1.3	23.4	10000	**C512_23.4 S4 ME4SA4**	142	**C512_23.4 P112 BE112M4**	143
64	573	2.4	22.4	14200	**C612_22.4 S4 ME4SA4**	146	**C612_22.4 P112 BE112M4**	147
69	538	1.5	21.0	9920	**C512_21.0 S4 ME4SA4**	142	**C512_21.0 P112 BE112M4**	143
73	507	1.0	19.8	4760	**C412_19.8 S4 ME4SA4**	138	**C412_19.8 P112 BE112M4**	139
73	503	2.7	19.6	13800	**C612_19.6 S4 ME4SA4**	146	**C612_19.6 P112 BE112M4**	147
76	485	1.7	18.9	9730	**C512_18.9 S4 ME4SA4**	142	**C512_18.9 P112 BE112M4**	143
81	456	1.1	17.8	4720	**C412_17.8 S4 ME4SA4**	138	**C412_17.8 P112 BE112M4**	139
82	453	3.0	17.7	13400	**C612_17.7 S4 ME4SA4**	146	**C612_17.7 P112 BE112M4**	147
87	426	1.9	16.6	9440	**C512_16.6 S4 ME4SA4**	142	**C512_16.6 P112 BE112M4**	143
90	409	3.3	15.9	13100	**C612_15.9 S4 ME4SA4**	146	**C612_15.9 P112 BE112M4**	147
91	406	1.1	15.8	4740	**C412_15.8 S4 ME4SA4**	138	**C412_15.8 P112 BE112M4**	139
96	384	2.1	15.0	9230	**C512_15.0 S4 ME4SA4**	142	**C512_15.0 P112 BE112M4**	143
98	378	1.0	14.8	3880	**C362_14.8 S4 ME4SA4**	134	**C362_14.8 P112 BE112M4**	135
101	365	1.2	14.2	4690	**C412_14.2 S4 ME4SA4**	138	**C412_14.2 P112 BE112M4**	139
108	342	1.1	13.3	3840	**C362_13.3 S4 ME4SA4**	134	**C362_13.3 P112 BE112M4**	135
110	337	2.2	13.1	8930	**C512_13.1 S4 ME4SA4**	142	**C512_13.1 P112 BE112M4**	143
116	318	1.3	12.4	4660	**C412_12.4 S4 ME4SA4**	138	**C412_12.4 P112 BE112M4**	139
122	304	2.5	11.8	8720	**C512_11.8 S4 ME4SA4**	142	**C512_11.8 P112 BE112M4**	143
123	299	1.3	11.7	3840	**C362_11.7 S4 ME4SA4**	134	**C362_11.7 P112 BE112M4**	135
129	286	1.5	11.2	4580	**C412_11.2 S4 ME4SA4**	138	**C412_11.2 P112 BE112M4**	139
136	272	1.4	10.6	3780	**C362_10.6 S4 ME4SA4**	134	**C362_10.6 P112 BE112M4**	135

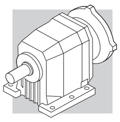
4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
148	250	2.7	9.8	8290	**C512_9.8 S4 ME4SA4**	142	**C512_9.8 P112 BE112M4**	143
150	246	1.6	9.6	4510	**C412_9.6 S4 ME4SA4**	138	**C412_9.6 P112 BE112M4**	139
155	238	0.9	9.3	3150	**C322_9.3 S4 ME4SA4**	130	**C322_9.3 P112 BE112M4**	131
164	226	1.7	8.8	3720	**C362_8.8 S4 ME4SA4**	134	**C362_8.8 P112 BE112M4**	135
164	225	3.0	8.8	8070	**C512_8.8 S4 ME4SA4**	142	**C512_8.8 P112 BE112M4**	143
167	222	1.7	8.6	4420	**C412_8.6 S4 ME4SA4**	138	**C412_8.6 P112 BE112M4**	139
170	218	1.0	8.5	3110	**C322_8.5 S4 ME4SA4**	130	**C322_8.5 P112 BE112M4**	131
179	206	1.8	8.0	3650	**C362_8.0 S4 ME4SA4**	134	**C362_8.0 P112 BE112M4**	135
186	199	3.2	7.8	7800	**C512_7.8 S4 ME4SA4**	142	**C512_7.8 P112 BE112M4**	143
186	195	1.4	15.6	3090	**C322_15.6 S4 ME4SA2**	130	**C322_15.6 P112 BE112M2**	131
201	184	1.1	7.2	3070	**C322_7.2 S4 ME4SA4**	130	**C322_7.2 P112 BE112M4**	131
204	181	2.0	7.1	4280	**C412_7.1 S4 ME4SA4**	138	**C412_7.1 P112 BE112M4**	139
206	176	1.4	14.1	3040	**C322_14.1 S4 ME4SA2**	130	**C322_14.1 P112 BE112M2**	131
206	179	3.5	7.0	7580	**C512_7.0 S4 ME4SA4**	142	**C512_7.0 P112 BE112M4**	143
212	174	2.0	6.8	3580	**C362_6.8 S4 ME4SA4**	134	**C362_6.8 P112 BE112M4**	135
226	163	2.1	6.4	4180	**C412_6.4 S4 ME4SA4**	138	**C412_6.4 P112 BE112M4**	139
230	161	1.0	6.3	2840	**C322_6.3 S4 ME4SA4**	130	**C322_6.3 P112 BE112M4**	131
235	154	1.6	12.3	2990	**C322_12.3 S4 ME4SA2**	130	**C322_12.3 P112 BE112M2**	131
242	153	1.7	6.0	3840	**C412_6.0 S4 ME4SA4**	138	**C412_6.0 P112 BE112M4**	139
246	150	1.3	5.8	3310	**C362_5.8 S4 ME4SA4**	134	**C362_5.8 P112 BE112M4**	135
255	145	1.1	5.7	2780	**C322_5.7 S4 ME4SA4**	130	**C322_5.7 P112 BE112M4**	131
259	140	1.6	11.2	2900	**C322_11.2 S4 ME4SA2**	130	**C322_11.2 P112 BE112M2**	131
273	135	1.5	5.3	3200	**C362_5.3 S4 ME4SA4**	134	**C362_5.3 P112 BE112M4**	135
291	127	1.2	5.0	2760	**C322_5.0 S4 ME4SA4**	130	**C322_5.0 P112 BE112M4**	131
301	121	1.2	9.6	1680			**C222_9.6 P112 BE112M2**	127
309	120	2.2	4.7	3500	**C412_4.7 S4 ME4SA4**	138	**C412_4.7 P112 BE112M4**	139
312	119	1.7	4.6	3180	**C362_4.6 S4 ME4SA4**	134	**C362_4.6 P112 BE112M4**	135
312	116	1.9	9.3	2840	**C322_9.3 S4 ME4SA2**	130	**C322_9.3 P112 BE112M2**	131
320	115	1.3	4.5	2690	**C322_4.5 S4 ME4SA4**	130	**C322_4.5 P112 BE112M4**	131
335	108	1.3	8.7	1660			**C222_8.7 P112 BE112M2**	127
338	109	0.9	4.3	1300			**C222_4.3 P112 BE112M4**	127
342	106	2.0	8.5	2750	**C322_8.5 S4 ME4SA2**	130	**C322_8.5 P112 BE112M2**	131
343	108	1.9	4.2	3060	**C362_4.2 S4 ME4SA4**	134	**C362_4.2 P112 BE112M4**	135
386	96	1.6	3.7	2640	**C322_3.7 S4 ME4SA4**	130	**C322_3.7 P112 BE112M4**	131
388	95	0.9	3.7	1560			**C222_3.7 P112 BE112M4**	127
399	93	2.8	3.6	3180	**C412_3.6 S4 ME4SA4**	138	**C412_3.6 P112 BE112M4**	139
405	90	2.2	7.2	2690	**C322_7.2 S4 ME4SA2**	130	**C322_7.2 P112 BE112M2**	131
409	89	1.5	7.1	1650			**C222_7.1 P112 BE112M2**	127
413	89	2.2	3.5	3010	**C362_3.5 S4 ME4SA4**	134	**C362_3.5 P112 BE112M4**	135
422	87	1.6	3.4	2580	**C322_3.4 S4 ME4SA4**	130	**C322_3.4 P112 BE112M4**	131
433	85	1.0	3.3	1540			**C222_3.3 P112 BE112M4**	127
453	82	2.5	3.2	2890	**C362_3.2 S4 ME4SA4**	134	**C362_3.2 P112 BE112M4**	135
463	78	2.0	6.3	2530	**C322_6.3 S4 ME4SA2**	130	**C322_6.3 P112 BE112M2**	131
476	76	1.4	6.1	1540			**C222_6.1 P112 BE112M2**	127
500	74	1.8	2.9	2500	**C322_2.9 S4 ME4SA4**	130	**C322_2.9 P112 BE112M4**	131
519	70	1.5	5.6	1520			**C222_5.6 P112 BE112M2**	127
529	70	1.1	2.7	1530			**C222_2.7 P112 BE112M4**	127
536	69	2.9	2.7	2840	**C362_2.7 S4 ME4SA4**	134	**C362_2.7 P112 BE112M4**	135
586	62	2.4	5.0	2410	**C322_5.0 S4 ME4SA2**	130	**C322_5.0 P112 BE112M2**	131
608	60	1.7	4.8	1500			**C222_4.8 P112 BE112M2**	127
644	56	2.7	4.5	2330	**C322_4.5 S4 ME4SA2**	130	**C322_4.5 P112 BE112M2**	131
681	53	1.8	4.3	1470			**C222_4.3 P112 BE112M2**	127
776	47	3.2	3.7	2250	**C322_3.7 S4 ME4SA2**	130	**C322_3.7 P112 BE112M2**	131
782	46	1.9	3.7	1450			**C222_3.7 P112 BE112M2**	127
851	43	3.2	3.4	2170	**C322_3.4 S4 ME4SA2**	130	**C322_3.4 P112 BE112M2**	131
872	42	2.0	3.3	1410			**C222_3.3 P112 BE112M2**	127
1007	36	3.6	2.9	2100	**C322_2.9 S4 ME4SA2**	130	**C322_2.9 P112 BE112M2**	131
1065	34	2.3	2.7	1370			**C222_2.7 P112 BE112M2**	127



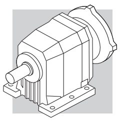
5.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
3.6	13276	0.9	409.8	85000	**C1004_409.8 S4 ME4SB4**	**C1004_409.8 S4 MX4SB4**	159	**C1004_409.8 P132 BE132S4**	**C1004_409.8 P132 BX132S4**	160
3.8	12328	1.0	380.5	85000	**C1004_380.5 S4 ME4SB4**	**C1004_380.5 S4 MX4SB4**	159	**C1004_380.5 P132 BE132S4**	**C1004_380.5 P132 BX132S4**	160
4.5	10485	1.1	323.6	85000	**C1004_323.6 S4 ME4SB4**	**C1004_323.6 S4 MX4SB4**	159	**C1004_323.6 P132 BE132S4**	**C1004_323.6 P132 BX132S4**	160
4.9	9736	1.2	300.5	85000	**C1004_300.5 S4 ME4SB4**	**C1004_300.5 S4 MX4SB4**	159	**C1004_300.5 P132 BE132S4**	**C1004_300.5 P132 BX132S4**	160
5.6	8521	1.4	263.0	85000	**C1004_263.0 S4 ME4SB4**	**C1004_263.0 S4 MX4SB4**	159	**C1004_263.0 P132 BE132S4**	**C1004_263.0 P132 BX132S4**	160
6.0	7913	1.5	244.2	85000	**C1004_244.2 S4 ME4SB4**	**C1004_244.2 S4 MX4SB4**	159	**C1004_244.2 P132 BE132S4**	**C1004_244.2 P132 BX132S4**	160
6.3	7507	1.0	231.7	60000	**C904_231.7 S4 ME4SB4**	**C904_231.7 S4 MX4SB4**	156	**C904_231.7 P132 BE132S4**	**C904_231.7 P132 BX132S4**	157
6.9	6881	1.0	212.4	60000	**C904_212.4 S4 ME4SB4**	**C904_212.4 S4 MX4SB4**	156	**C904_212.4 P132 BE132S4**	**C904_212.4 P132 BX132S4**	157
7.3	6468	1.9	199.6	85000	**C1004_199.6 S4 ME4SB4**	**C1004_199.6 S4 MX4SB4**	159	**C1004_199.6 P132 BE132S4**	**C1004_199.6 P132 BX132S4**	160
7.9	6006	2.0	185.4	85000	**C1004_185.4 S4 ME4SB4**	**C1004_185.4 S4 MX4SB4**	159	**C1004_185.4 P132 BE132S4**	**C1004_185.4 P132 BX132S4**	160
8.5	5762	1.2	172.1	60000	**C903_172.1 S4 ME4SB4**	**C903_172.1 S4 MX4SB4**	156	**C903_172.1 P132 BE132S4**	**C903_172.1 P132 BX132S4**	157
9.0	5252	2.3	162.1	85000	**C1004_162.1 S4 ME4SB4**	**C1004_162.1 S4 MX4SB4**	159	**C1004_162.1 P132 BE132S4**	**C1004_162.1 P132 BX132S4**	160
9.3	5282	1.3	157.8	60000	**C903_157.8 S4 ME4SB4**	**C903_157.8 S4 MX4SB4**	156	**C903_157.8 P132 BE132S4**	**C903_157.8 P132 BX132S4**	157
9.7	5036	2.4	150.4	85000	**C1003_150.4 S4 ME4SB4**	**C1003_150.4 S4 MX4SB4**	159	**C1003_150.4 P132 BE132S4**	**C1003_150.4 P132 BX132S4**	160
10.0	4899	1.5	146.3	60000	**C903_146.3 S4 ME4SB4**	**C903_146.3 S4 MX4SB4**	156	**C903_146.3 P132 BE132S4**	**C903_146.3 P132 BX132S4**	157
10.5	4677	2.4	139.7	85000	**C1003_139.7 S4 ME4SB4**	**C1003_139.7 S4 MX4SB4**	159	**C1003_139.7 P132 BE132S4**	**C1003_139.7 P132 BX132S4**	160
10.9	4491	1.6	134.1	60000	**C903_134.1 S4 ME4SB4**	**C903_134.1 S4 MX4SB4**	156	**C903_134.1 P132 BE132S4**	**C903_134.1 P132 BX132S4**	157
12.1	4035	3.0	120.5	85000	**C1003_120.5 S4 ME4SB4**	**C1003_120.5 S4 MX4SB4**	159	**C1003_120.5 P132 BE132S4**	**C1003_120.5 P132 BX132S4**	160
12.2	3999	1.0	119.5	35000	**C803_119.5 S4 ME4SB4**	**C803_119.5 S4 MX4SB4**	153	**C803_119.5 P132 BE132S4**	**C803_119.5 P132 BX132S4**	154
12.5	3908	1.8	116.7	60000	**C903_116.7 S4 ME4SB4**	**C903_116.7 S4 MX4SB4**	156	**C903_116.7 P132 BE132S4**	**C903_116.7 P132 BX132S4**	157
13.3	3666	1.1	109.5	35000	**C803_109.5 S4 ME4SB4**	**C803_109.5 S4 MX4SB4**	153	**C803_109.5 P132 BE132S4**	**C803_109.5 P132 BX132S4**	154
13.6	3582	2.0	107.0	60000	**C903_107.0 S4 ME4SB4**	**C903_107.0 S4 MX4SB4**	156	**C903_107.0 P132 BE132S4**	**C903_107.0 P132 BX132S4**	157
15.0	3260	1.2	97.4	35000	**C803_97.4 S4 ME4SB4**	**C803_97.4 S4 MX4SB4**	153	**C803_97.4 P132 BE132S4**	**C803_97.4 P132 BX132S4**	154
15.2	3222	2.2	96.2	60000	**C903_96.2 S4 ME4SB4**	**C903_96.2 S4 MX4SB4**	156	**C903_96.2 P132 BE132S4**	**C903_96.2 P132 BX132S4**	157
16.4	2989	1.3	89.3	35000	**C803_89.3 S4 ME4SB4**	**C803_89.3 S4 MX4SB4**	153	**C803_89.3 P132 BE132S4**	**C803_89.3 P132 BX132S4**	154
16.5	2954	2.4	88.2	60000	**C903_88.2 S4 ME4SB4**	**C903_88.2 S4 MX4SB4**	156	**C903_88.2 P132 BE132S4**	**C903_88.2 P132 BX132S4**	157
18.0	2719	2.6	81.2	59100	**C903_81.2 S4 ME4SB4**	**C903_81.2 S4 MX4SB4**	156	**C903_81.2 P132 BE132S4**	**C903_81.2 P132 BX132S4**	157
19.0	2575	1.6	76.9	35000	**C803_76.9 S4 ME4SB4**	**C803_76.9 S4 MX4SB4**	153	**C803_76.9 P132 BE132S4**	**C803_76.9 P132 BX132S4**	154
19.6	2492	2.8	74.4	58200	**C903_74.4 S4 ME4SB4**	**C903_74.4 S4 MX4SB4**	156	**C903_74.4 P132 BE132S4**	**C903_74.4 P132 BX132S4**	157
20.5	2388	1.0	71.3	25000	**C703_71.3 S4 ME4SB4**	**C703_71.3 S4 MX4SB4**	150	**C703_71.3 P132 BE132S4**	**C703_71.3 P132 BX132S4**	151
20.7	2360	1.7	70.5	35000	**C803_70.5 S4 ME4SB4**	**C803_70.5 S4 MX4SB4**	153	**C803_70.5 P132 BE132S4**	**C803_70.5 P132 BX132S4**	154
22.2	2205	1.0	65.9	25000	**C703_65.9 S4 ME4SB4**	**C703_65.9 S4 MX4SB4**	150	**C703_65.9 P132 BE132S4**	**C703_65.9 P132 BX132S4**	151
23.4	2093	1.9	62.5	35000	**C803_62.5 S4 ME4SB4**	**C803_62.5 S4 MX4SB4**	153	**C803_62.5 P132 BE132S4**	**C803_62.5 P132 BX132S4**	154
25.5	1918	2.1	57.3	35000	**C803_57.3 S4 ME4SB4**	**C803_57.3 S4 MX4SB4**	153	**C803_57.3 P132 BE132S4**	**C803_57.3 P132 BX132S4**	154
25.8	1892	1.2	56.5	25000	**C703_56.5 S4 ME4SB4**	**C703_56.5 S4 MX4SB4**	150	**C703_56.5 P132 BE132S4**	**C703_56.5 P132 BX132S4**	151
27.3	1732	0.9	53.5	15000	**C613_53.5 S4 ME4SB4**	**C613_53.5 S4 MX4SB4**	146	**C613_53.5 P132 BE132S4**	**C613_53.5 P132 BX132S4**	147
28.0	1746	1.3	52.2	24700	**C703_52.2 S4 ME4SB4**	**C703_52.2 S4 MX4SB4**	150	**C703_52.2 P132 BE132S4**	**C703_52.2 P132 BX132S4**	151
31	1543	1.0	47.6	15300	**C613_47.6 S4 ME4SB4**	**C613_47.6 S4 MX4SB4**	146	**C613_47.6 P132 BE132S4**	**C613_47.6 P132 BX132S4**	147
31	1588	2.4	47.4	35000	**C803_47.4 S4 ME4SB4**	**C803_47.4 S4 MX4SB4**	153	**C803_47.4 P132 BE132S4**	**C803_47.4 P132 BX132S4**	154
33	1497	1.5	44.7	24100	**C703_44.7 S4 ME4SB4**	**C703_44.7 S4 MX4SB4**	150	**C703_44.7 P132 BE132S4**	**C703_44.7 P132 BX132S4**	151
34	1456	2.6	43.5	35000	**C803_43.5 S4 ME4SB4**	**C803_43.5 S4 MX4SB4**	153	**C803_43.5 P132 BE132S4**	**C803_43.5 P132 BX132S4**	154
34	1408	1.1	43.4	15000	**C613_43.4 S4 ME4SB4**	**C613_43.4 S4 MX4SB4**	146	**C613_43.4 P132 BE132S4**	**C613_43.4 P132 BX132S4**	147
35	1381	1.7	41.3	23800	**C703_41.3 S4 ME4SB4**	**C703_41.3 S4 MX4SB4**	150	**C703_41.3 P132 BE132S4**	**C703_41.3 P132 BX132S4**	151
37	1338	2.4	39.1	35000	**C802_39.1 S4 ME4SB4**	**C802_39.1 S4 MX4SB4**	153	**C802_39.1 P132 BE132S4**	**C802_39.1 P132 BX132S4**	154
38	1300	1.0	38.0	14800	**C612_38.0 S4 ME4SB4**	**C612_38.0 S4 MX4SB4**	146	**C612_38.0 P132 BE132S4**	**C612_38.0 P132 BX132S4**	147
40	1171	1.3	36.1	14800	**C613_36.1 S4 ME4SB4**	**C613_36.1 S4 MX4SB4**	146	**C613_36.1 P132 BE132S4**	**C613_36.1 P132 BX132S4**	147
42	1188	1.8	34.7	22100	**C702_34.7 S4 ME4SB4**	**C702_34.7 S4 MX4SB4**	150	**C702_34.7 P132 BE132S4**	**C702_34.7 P132 BX132S4**	151
43	1170	1.0	34.2	14500	**C612_34.2 S4 ME4SB4**	**C612_34.2 S4 MX4SB4**	146	**C612_34.2 P132 BE132S4**	**C612_34.2 P132 BX132S4**	147
44	1068	1.4	33.0	14500	**C613_33.0 S4 ME4SB4**	**C613_33.0 S4 MX4SB4**	146	**C613_33.0 P132 BE132S4**	**C613_33.0 P132 BX132S4**	147
47	1072	3.5	31.3	33400	**C802_31.3 S4 ME4SB4**	**C802_31.3 S4 MX4SB4**	153	**C802_31.3 P132 BE132S4**	**C802_31.3 P132 BX132S4**	154
48	1041	1.3	30.4	14300	**C612_30.4 S4 ME4SB4**	**C612_30.4 S4 MX4SB4**	146	**C612_30.4 P132 BE132S4**	**C612_30.4 P132 BX132S4**	147
49	1006	1.0	30.1	9610	**C513_30.1 S4 ME4SB4**	**C513_30.1 S4 MX4SB4**	142	**C513_30.1 P132 BE132S4**	**C513_30.1 P132 BX132S4**	143
53	948	2.2	27.7	21200	**C702_27.7 S4 ME4SB4**	**C702_27.7 S4 MX4SB4**	150	**C702_27.7 P132 BE132S4**	**C702_27.7 P132 BX132S4**	151
53	919	1.1	27.4	9490	**C513_27.4 S4 ME4SB4**	**C513_27.4 S4 MX4SB4**	142	**C513_27.4 P132 BE132S4**	**C513_27.4 P132 BX132S4**	143
53	938	1.4	27.4	13900	**C612_27.4 S4 ME4SB4**	**C612_27.4 S4 MX4SB4**	146	**C612_27.4 P132 BE132S4**	**C612_27.4 P132 BX132S4**	147
56	886	0.9	25.9	9350	**C512_25.9 S4 ME4SB4**	**C512_25.9 S4 MX4SB4**	142	**C512_25.9 P132 BE132S4**	**C512_25.9 P132 BX132S4**	143
59	849	1.6	24.8	13700	**C612_24.8 S4 ME4SB4**	**C612_24.8 S4 MX4SB4**	146	**C612_24.8 P132 BE132S4**	**C612_24.8 P132 BX132S4**	147



5.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
61	800	1.2	23.9	9540	**C513_23.9 S4 ME4SB4**	**C513_23.9 S4 MX4SB4**	142	**C513_23.9 P132 BE132S4**	**C513_23.9 P132 BX132S4**	143
63	799	1.0	23.4	9310	**C512_23.4 S4 ME4SB4**	**C512_23.4 S4 MX4SB4**	142	**C512_23.4 P132 BE132S4**	**C512_23.4 P132 BX132S4**	143
64	782	2.7	22.9	20400	**C702_22.9 S4 ME4SB4**	**C702_22.9 S4 MX4SB4**	150	**C702_22.9 P132 BE132S4**	**C702_22.9 P132 BX132S4**	151
65	764	1.8	22.4	13400	**C612_22.4 S4 ME4SB4**	**C612_22.4 S4 MX4SB4**	146	**C612_22.4 P132 BE132S4**	**C612_22.4 P132 BX132S4**	147
70	717	1.1	21.0	9150	**C512_21.0 S4 ME4SB4**	**C512_21.0 S4 MX4SB4**	142	**C512_21.0 P132 BE132S4**	**C512_21.0 P132 BX132S4**	143
74	670	2.0	19.6	13100	**C612_19.6 S4 ME4SB4**	**C612_19.6 S4 MX4SB4**	146	**C612_19.6 P132 BE132S4**	**C612_19.6 P132 BX132S4**	147
76	660	3.2	19.3	19700	**C702_19.3 S4 ME4SB4**	**C702_19.3 S4 MX4SB4**	150	**C702_19.3 P132 BE132S4**	**C702_19.3 P132 BX132S4**	151
77	646	1.2	18.9	9030	**C512_18.9 S4 ME4SB4**	**C512_18.9 S4 MX4SB4**	142	**C512_18.9 P132 BE132S4**	**C512_18.9 P132 BX132S4**	143
83	604	2.2	17.7	12700	**C612_17.7 S4 ME4SB4**	**C612_17.7 S4 MX4SB4**	146	**C612_17.7 P132 BE132S4**	**C612_17.7 P132 BX132S4**	147
88	568	1.4	16.6	8810	**C512_16.6 S4 ME4SB4**	**C512_16.6 S4 MX4SB4**	142	**C512_16.6 P132 BE132S4**	**C512_16.6 P132 BX132S4**	143
92	545	2.5	15.9	12500	**C612_15.9 S4 ME4SB4**	**C612_15.9 S4 MX4SB4**	146	**C612_15.9 P132 BE132S4**	**C612_15.9 P132 BX132S4**	147
98	512	1.6	15.0	8660	**C512_15.0 S4 ME4SB4**	**C512_15.0 S4 MX4SB4**	142	**C512_15.0 P132 BE132S4**	**C512_15.0 P132 BX132S4**	143
102	491	2.8	14.3	12100	**C612_14.3 S4 ME4SB4**	**C612_14.3 S4 MX4SB4**	146	**C612_14.3 P132 BE132S4**	**C612_14.3 P132 BX132S4**	147
102	487	0.9	14.2	4000	**C412_14.2 S4 ME4SB4**	**C412_14.2 S4 MX4SB4**	138	**C412_14.2 P132 BE132S4**	**C412_14.2 P132 BX132S4**	139
111	449	1.7	13.1	8420	**C512_13.1 S4 ME4SB4**	**C512_13.1 S4 MX4SB4**	142	**C512_13.1 P132 BE132S4**	**C512_13.1 P132 BX132S4**	143
118	424	1.0	12.4	4060	**C412_12.4 S4 ME4SB4**	**C412_12.4 S4 MX4SB4**	138	**C412_12.4 P132 BE132S4**	**C412_12.4 P132 BX132S4**	139
121	414	3.3	12.1	11600	**C612_12.1 S4 ME4SB4**	**C612_12.1 S4 MX4SB4**	146	**C612_12.1 P132 BE132S4**	**C612_12.1 P132 BX132S4**	147
123	405	1.9	11.8	8250	**C512_11.8 S4 ME4SB4**	**C512_11.8 S4 MX4SB4**	142	**C512_11.8 P132 BE132S4**	**C512_11.8 P132 BX132S4**	143
125	399	1.0	11.7	3380	**C362_11.7 S4 ME4SB4**	**C362_11.7 S4 MX4SB4**	134	**C362_11.7 P132 BE132S4**	**C362_11.7 P132 BX132S4**	135
131	382	1.1	11.2	4030	**C412_11.2 S4 ME4SB4**	**C412_11.2 S4 MX4SB4**	138	**C412_11.2 P132 BE132S4**	**C412_11.2 P132 BX132S4**	139
138	363	1.0	10.6	3350	**C362_10.6 S4 ME4SB4**	**C362_10.6 S4 MX4SB4**	134	**C362_10.6 P132 BE132S4**	**C362_10.6 P132 BX132S4**	135
150	334	2.1	9.8	7890	**C512_9.8 S4 ME4SB4**	**C512_9.8 S4 MX4SB4**	142	**C512_9.8 P132 BE132S4**	**C512_9.8 P132 BX132S4**	143
152	328	1.2	9.6	4030	**C412_9.6 S4 ME4SB4**	**C412_9.6 S4 MX4SB4**	138	**C412_9.6 P132 BE132S4**	**C412_9.6 P132 BX132S4**	139
166	301	1.3	8.8	3350	**C362_8.8 S4 ME4SB4**	**C362_8.8 S4 MX4SB4**	134	**C362_8.8 P132 BE132S4**	**C362_8.8 P132 BX132S4**	135
166	301	2.3	8.8	7700	**C512_8.8 S4 ME4SB4**	**C512_8.8 S4 MX4SB4**	142	**C512_8.8 P132 BE132S4**	**C512_8.8 P132 BX132S4**	143
182	275	1.3	8.0	3330	**C362_8.0 S4 ME4SB4**	**C362_8.0 S4 MX4SB4**	134	**C362_8.0 P132 BE132S4**	**C362_8.0 P132 BX132S4**	135
188	265	2.4	7.8	7460	**C512_7.8 S4 ME4SB4**	**C512_7.8 S4 MX4SB4**	142	**C512_7.8 P132 BE132S4**	**C512_7.8 P132 BX132S4**	143
207	242	1.5	7.1	3920	**C412_7.1 S4 ME4SB4**	**C412_7.1 S4 MX4SB4**	138	**C412_7.1 P132 BE132S4**	**C412_7.1 P132 BX132S4**	139
209	239	2.6	7.0	7280	**C512_7.0 S4 ME4SB4**	**C512_7.0 S4 MX4SB4**	142	**C512_7.0 P132 BE132S4**	**C512_7.0 P132 BX132S4**	143
215	232	1.5	6.8	3280	**C362_6.8 S4 ME4SB4**	**C362_6.8 S4 MX4SB4**	134	**C362_6.8 P132 BE132S4**	**C362_6.8 P132 BX132S4**	135
229	218	1.6	6.4	3840	**C412_6.4 S4 ME4SB4**	**C412_6.4 S4 MX4SB4**	138	**C412_6.4 P132 BE132S4**	**C412_6.4 P132 BX132S4**	139
243	205	3.2	6.0	9480	**C612_6.0 S4 ME4SB4**	**C612_6.0 S4 MX4SB4**	146	**C612_6.0 P132 BE132S4**	**C612_6.0 P132 BX132S4**	147
245	204	1.3	6.0	3430	**C412_6.0 S4 ME4SB4**	**C412_6.0 S4 MX4SB4**	138	**C412_6.0 P132 BE132S4**	**C412_6.0 P132 BX132S4**	139
250	200	1.0	5.8	3020	**C362_5.8 S4 ME4SB4**	**C362_5.8 S4 MX4SB4**	134	**C362_5.8 P132 BE132S4**	**C362_5.8 P132 BX132S4**	135
259	193	2.3	5.6	6720	**C512_5.6 S4 ME4SB4**	**C512_5.6 S4 MX4SB4**	142	**C512_5.6 P132 BE132S4**	**C512_5.6 P132 BX132S4**	143
262	190	2.2	11.2	3770	**C412_11.2 S4 ME4SB2**		138	**C412_11.2 P132 BE132SA2**		139
277	181	1.1	5.3	2930	**C362_5.3 S4 ME4SB4**	**C362_5.3 S4 MX4SB4**	134	**C362_5.3 P132 BE132S4**	**C362_5.3 P132 BX132S4**	135
292	171	2.5	3.3	6530	**C512_3.3 S5 ME5SA6**		142	**C512_3.3 P160 BE160MA6**		143
295	169	0.9	5.0	2480	**C322_5.0 S4 ME4SB4**	**C322_5.0 S4 MX4SB4**	130	**C322_5.0 P132 BE132S4**	**C322_5.0 P132 BX132S4**	131
305	164	2.4	9.6	3680	**C412_9.6 S4 ME4SB2**		138	**C412_9.6 P132 BE132SA2**		139
313	159	1.6	4.7	3360	**C412_4.7 S4 ME4SB4**	**C412_4.7 S4 MX4SB4**	138	**C412_4.7 P132 BE132S4**	**C412_4.7 P132 BX132S4**	139
316	158	1.3	4.6	2860	**C362_4.6 S4 ME4SB4**	**C362_4.6 S4 MX4SB4**	134	**C362_4.6 P132 BE132S4**	**C362_4.6 P132 BX132S4**	135
324	154	1.0	4.5	2500	**C322_4.5 S4 ME4SB4**	**C322_4.5 S4 MX4SB4**	130	**C322_4.5 P132 BE132S4**	**C322_4.5 P132 BX132S4**	131
328	152	2.9	4.5	6330	**C512_4.5 S4 ME4SB4**	**C512_4.5 S4 MX4SB4**	142	**C512_4.5 P132 BE132S4**	**C512_4.5 P132 BX132S4**	143
338	147	2.6	8.6	3600	**C412_8.6 S4 ME4SB2**		138	**C412_8.6 P132 BE132SA2**		139
348	144	1.4	4.2	2830	**C362_4.2 S4 ME4SB4**	**C362_4.2 S4 MX4SB4**	134	**C362_4.2 P132 BE132S4**	**C362_4.2 P132 BX132S4**	135
364	137	2.7	8.0	2850	**C362_8.0 S4 ME4SB2**		134	**C362_8.0 P132 BE132SA2**		135
367	136	2.9	2.6	6150	**C512_2.6 S5 ME5SA6**		142	**C512_2.6 P160 BE160MA6**		143
391	128	1.2	3.7	2410	**C322_3.7 S4 ME4SB4**	**C322_3.7 S4 MX4SB4**	130	**C322_3.7 P132 BE132S4**	**C322_3.7 P132 BX132S4**	131
404	123	2.1	3.6	3240	**C412_3.6 S4 ME4SB4**	**C412_3.6 S4 MX4SB4**	138	**C412_3.6 P132 BE132S4**	**C412_3.6 P132 BX132S4**	139
414	121	2.9	7.1	3460	**C412_7.1 S4 ME4SB2**		138	**C412_7.1 P132 BE132SA2**		139
419	119	1.7	3.5	2750	**C362_3.5 S4 ME4SB4**	**C362_3.5 S4 MX4SB4**	134	**C362_3.5 P132 BE132S4**	**C362_3.5 P132 BX132S4**	135
428	117	1.2	3.4	2370	**C322_3.4 S4 ME4SB4**	**C322_3.4 S4 MX4SB4**	130	**C322_3.4 P132 BE132S4**	**C322_3.4 P132 BX132S4**	131
431	116	3.1	6.8	2750	**C362_6.8 S4 ME4SB2**		134	**C362_6.8 P132 BE132SA2**		135
459	109	1.8	3.2	2700	**C362_3.2 S4 ME4SB4**	**C362_3.2 S4 MX4SB4**	134	**C362_3.2 P132 BE132S4**	**C362_3.2 P132 BX132S4**	135
460	109	3.2	6.4	3370	**C412_6.4 S4 ME4SB2**		138	**C412_6.4 P132 BE132SA2**		139
491	102	2.6	6.0	3140	**C412_6.0 S4 ME4SB2**		138	**C412_6.0 P132 BE132SA2**		139

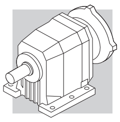


5.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
500	100	2.0	5.8	2620	**C362_5.8 S4 ME4SB2**		134	**C362_5.8 P132 BE132SA2**		135
507	98	1.3	2.9	2310	**C322_2.9 S4 ME4SB4**	**C322_2.9 S4 MX4SB4**	130	**C322_2.9 P132 BE132S4**	**C322_2.9 P132 BX132S4**	131
543	92	2.2	2.7	2620	**C362_2.7 S4 ME4SB4**	**C362_2.7 S4 MX4SB4**	134	**C362_2.7 P132 BE132S4**	**C362_2.7 P132 BX132S4**	135
549	91	2.7	2.7	3070	**C412_2.7 S4 ME4SB4**	**C412_2.7 S4 MX4SB4**	138	**C412_2.7 P132 BE132S4**	**C412_2.7 P132 BX132S4**	139
554	90	2.2	5.3	2550	**C362_5.3 S4 ME4SB2**		134	**C362_5.3 P132 BE132SA2**		135
591	84	1.8	5.0	2230	**C322_5.0 S4 ME4SB2**		130	**C322_5.0 P132 BE132SA2**		131
627	80	3.3	4.7	2990	**C412_4.7 S4 ME4SB2**		138	**C412_4.7 P132 BE132SA2**		139
650	77	2.0	4.5	2190	**C322_4.5 S4 ME4SB2**		130	**C322_4.5 P132 BE132SA2**		131
783	64	2.4	3.7	2120	**C322_3.7 S4 ME4SB2**		130	**C322_3.7 P132 BE132SA2**		131
858	58	2.4	3.4	2080	**C322_3.4 S4 ME4SB2**		130	**C322_3.4 P132 BE132SA2**		131
1016	49	2.6	2.9	2000	**C322_2.9 S4 ME4SB2**		130	**C322_2.9 P132 BE132SA2**		131

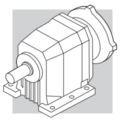
7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
4.8	13252	0.9	300.5	85000	**C1004_300.5 S4 ME4LA4**	**C1004_300.5 S4 MX4LA4**	159	**C1004_300.5 P132 BE132MA4**	**C1004_300.5 P132 BX132MA4**	160
5.5	11598	1.0	263.0	85000	**C1004_263.0 S4 ME4LA4**	**C1004_263.0 S4 MX4LA4**	159	**C1004_263.0 P132 BE132MA4**	**C1004_263.0 P132 BX132MA4**	160
6.0	10770	1.1	244.2	85000	**C1004_244.2 S4 ME4LA4**	**C1004_244.2 S4 MX4LA4**	159	**C1004_244.2 P132 BE132MA4**	**C1004_244.2 P132 BX132MA4**	160
7.3	8804	1.4	199.6	85000	**C1004_199.6 S4 ME4LA4**	**C1004_199.6 S4 MX4LA4**	159	**C1004_199.6 P132 BE132MA4**	**C1004_199.6 P132 BX132MA4**	160
7.8	8175	1.5	185.4	85000	**C1004_185.4 S4 ME4LA4**	**C1004_185.4 S4 MX4LA4**	159	**C1004_185.4 P132 BE132MA4**	**C1004_185.4 P132 BX132MA4**	160
8.5	7843	0.9	172.1	60000	**C903_172.1 S4 ME4LA4**	**C903_172.1 S4 MX4LA4**	156	**C903_172.1 P132 BE132MA4**	**C903_172.1 P132 BX132MA4**	157
9.0	7149	1.7	162.1	85000	**C1004_162.1 S4 ME4LA4**	**C1004_162.1 S4 MX4LA4**	159	**C1004_162.1 P132 BE132MA4**	**C1004_162.1 P132 BX132MA4**	160
9.2	7189	1.0	157.8	60000	**C903_157.8 S4 ME4LA4**	**C903_157.8 S4 MX4LA4**	156	**C903_157.8 P132 BE132MA4**	**C903_157.8 P132 BX132MA4**	157
9.7	6855	1.8	150.4	85000	**C1003_150.4 S4 ME4LA4**	**C1003_150.4 S4 MX4LA4**	159	**C1003_150.4 P132 BE132MA4**	**C1003_150.4 P132 BX132MA4**	160
9.9	6668	1.1	146.3	59600	**C903_146.3 S4 ME4LA4**	**C903_146.3 S4 MX4LA4**	156	**C903_146.3 P132 BE132MA4**	**C903_146.3 P132 BX132MA4**	157
10.4	6365	1.7	139.7	85000	**C1003_139.7 S4 ME4LA4**	**C1003_139.7 S4 MX4LA4**	159	**C1003_139.7 P132 BE132MA4**	**C1003_139.7 P132 BX132MA4**	160
10.8	6113	1.2	134.1	59400	**C903_134.1 S4 ME4LA4**	**C903_134.1 S4 MX4LA4**	156	**C903_134.1 P132 BE132MA4**	**C903_134.1 P132 BX132MA4**	157
12.1	5492	2.2	120.5	85000	**C1003_120.5 S4 ME4LA4**	**C1003_120.5 S4 MX4LA4**	159	**C1003_120.5 P132 BE132MA4**	**C1003_120.5 P132 BX132MA4**	160
12.5	5319	1.4	116.7	58600	**C903_116.7 S4 ME4LA4**	**C903_116.7 S4 MX4LA4**	156	**C903_116.7 P132 BE132MA4**	**C903_116.7 P132 BX132MA4**	157
13.0	5100	2.4	111.9	85000	**C1003_111.9 S4 ME4LA4**	**C1003_111.9 S4 MX4LA4**	159	**C1003_111.9 P132 BE132MA4**	**C1003_111.9 P132 BX132MA4**	160
13.6	4876	1.5	107.0	58200	**C903_107.0 S4 ME4LA4**	**C903_107.0 S4 MX4LA4**	156	**C903_107.0 P132 BE132MA4**	**C903_107.0 P132 BX132MA4**	157
14.6	4548	2.6	99.8	85000	**C1003_99.8 S4 ME4LA4**	**C1003_99.8 S4 MX4LA4**	159	**C1003_99.8 P132 BE132MA4**	**C1003_99.8 P132 BX132MA4**	160
14.9	4438	0.9	97.4	34500	**C803_97.4 S4 ME4LA4**	**C803_97.4 S4 MX4LA4**	153	**C803_97.4 P132 BE132MA4**	**C803_97.4 P132 BX132MA4**	154
15.1	4386	1.6	96.2	57500	**C903_96.2 S4 ME4LA4**	**C903_96.2 S4 MX4LA4**	156	**C903_96.2 P132 BE132MA4**	**C903_96.2 P132 BX132MA4**	157
15.7	4223	2.8	92.7	85000	**C1003_92.7 S4 ME4LA4**	**C1003_92.7 S4 MX4LA4**	159	**C1003_92.7 P132 BE132MA4**	**C1003_92.7 P132 BX132MA4**	160
16.3	4068	1.0	89.3	35000	**C803_89.3 S4 ME4LA4**	**C803_89.3 S4 MX4LA4**	153	**C803_89.3 P132 BE132MA4**	**C803_89.3 P132 BX132MA4**	154
16.5	4020	1.8	88.2	56600	**C903_88.2 S4 ME4LA4**	**C903_88.2 S4 MX4LA4**	156	**C903_88.2 P132 BE132MA4**	**C903_88.2 P132 BX132MA4**	157
17.0	3899	3.1	85.6	85000	**C1003_85.6 S4 ME4LA4**	**C1003_85.6 S4 MX4LA4**	159	**C1003_85.6 P132 BE132MA4**	**C1003_85.6 P132 BX132MA4**	160
17.9	3701	1.9	81.2	56100	**C903_81.2 S4 ME4LA4**	**C903_81.2 S4 MX4LA4**	156	**C903_81.2 P132 BE132MA4**	**C903_81.2 P132 BX132MA4**	157
18.9	3505	1.1	76.9	35000	**C803_76.9 S4 ME4LA4**	**C803_76.9 S4 MX4LA4**	153	**C803_76.9 P132 BE132MA4**	**C803_76.9 P132 BX132MA4**	154
19.5	3392	2.1	74.4	55200	**C903_74.4 S4 ME4LA4**	**C903_74.4 S4 MX4LA4**	156	**C903_74.4 P132 BE132MA4**	**C903_74.4 P132 BX132MA4**	157
20.6	3213	1.2	70.5	35000	**C803_70.5 S4 ME4LA4**	**C803_70.5 S4 MX4LA4**	153	**C803_70.5 P132 BE132MA4**	**C803_70.5 P132 BX132MA4**	154
22.5	2943	2.4	64.6	54000	**C903_64.6 S4 ME4LA4**	**C903_64.6 S4 MX4LA4**	156	**C903_64.6 P132 BE132MA4**	**C903_64.6 P132 BX132MA4**	157
23.3	2848	1.4	62.5	35000	**C803_62.5 S4 ME4LA4**	**C803_62.5 S4 MX4LA4**	153	**C803_62.5 P132 BE132MA4**	**C803_62.5 P132 BX132MA4**	154
24.6	2698	2.6	59.2	53000	**C903_59.2 S4 ME4LA4**	**C903_59.2 S4 MX4LA4**	156	**C903_59.2 P132 BE132MA4**	**C903_59.2 P132 BX132MA4**	157
25.4	2611	1.5	57.3	35000	**C803_57.3 S4 ME4LA4**	**C803_57.3 S4 MX4LA4**	153	**C803_57.3 P132 BE132MA4**	**C803_57.3 P132 BX132MA4**	154
26.5	2501	2.9	54.9	52400	**C903_54.9 S4 ME4LA4**	**C903_54.9 S4 MX4LA4**	156	**C903_54.9 P132 BE132MA4**	**C903_54.9 P132 BX132MA4**	157
27.9	2377	1.0	52.2	22900	**C703_52.2 S4 ME4LA4**	**C703_52.2 S4 MX4LA4**	150	**C703_52.2 P132 BE132MA4**	**C703_52.2 P132 BX132MA4**	151
31	2162	1.8	47.4	35000	**C803_47.4 S4 ME4LA4**	**C803_47.4 S4 MX4LA4**	153	**C803_47.4 P132 BE132MA4**	**C803_47.4 P132 BX132MA4**	154
33	2037	1.1	44.7	22500	**C703_44.7 S4 ME4LA4**	**C703_44.7 S4 MX4LA4**	150	**C703_44.7 P132 BE132MA4**	**C703_44.7 P132 BX132MA4**	151
33	1982	1.9	43.5	35000	**C803_43.5 S4 ME4LA4**	**C803_43.5 S4 MX4LA4**	153	**C803_43.5 P132 BE132MA4**	**C803_43.5 P132 BX132MA4**	154
35	1880	1.2	41.3	22300	**C703_41.3 S4 ME4LA4**	**C703_41.3 S4 MX4LA4**	150	**C703_41.3 P132 BE132MA4**	**C703_41.3 P132 BX132MA4**	151
37	1821	1.8	39.1	33600	**C802_39.1 S4 ME4LA4**	**C802_39.1 S4 MX4LA4**	153	**C802_39.1 P132 BE132MA4**	**C802_39.1 P132 BX132MA4**	154



7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
40	1594	1.0	36.1	13300	**C613_36.1 S4 ME4LA4**	**C613_36.1 S4 MX4LA4**	146	**C613_36.1 P132 BE132MA4**	**C613_36.1 P132 BX132MA4**	147
41	1634	3.3	35.1	47300	**C902_35.1 S4 ME4LA4**	**C902_35.1 S4 MX4LA4**	156	**C902_35.1 P132 BE132MA4**	**C902_35.1 P132 BX132MA4**	157
42	1617	1.3	34.7	20500	**C702_34.7 S4 ME4LA4**	**C702_34.7 S4 MX4LA4**	150	**C702_34.7 P132 BE132MA4**	**C702_34.7 P132 BX132MA4**	151
44	1454	1.0	33.0	13100	**C613_33.0 S4 ME4LA4**	**C613_33.0 S4 MX4LA4**	146	**C613_33.0 P132 BE132MA4**	**C613_33.0 P132 BX132MA4**	147
46	1459	2.5	31.3	32200	**C802_31.3 S4 ME4LA4**	**C802_31.3 S4 MX4LA4**	153	**C802_31.3 P132 BE132MA4**	**C802_31.3 P132 BX132MA4**	154
48	1417	1.0	30.4	13000	**C612_30.4 S4 ME4LA4**	**C612_30.4 S4 MX4LA4**	146	**C612_30.4 P132 BE132MA4**	**C612_30.4 P132 BX132MA4**	147
50	1295	1.1	29.4	13100	**C613_29.4 S4 ME4LA4**	**C613_29.4 S4 MX4LA4**	146	**C613_29.4 P132 BE132MA4**	**C613_29.4 P132 BX132MA4**	147
52	1290	1.6	27.7	20000	**C702_27.7 S4 ME4LA4**	**C702_27.7 S4 MX4LA4**	150	**C702_27.7 P132 BE132MA4**	**C702_27.7 P132 BX132MA4**	151
53	1276	1.1	27.4	12800	**C612_27.4 S4 ME4LA4**	**C612_27.4 S4 MX4LA4**	146	**C612_27.4 P132 BE132MA4**	**C612_27.4 P132 BX132MA4**	147
56	1208	3.1	25.9	31000	**C802_25.9 S4 ME4LA4**	**C802_25.9 S4 MX4LA4**	153	**C802_25.9 P132 BE132MA4**	**C802_25.9 P132 BX132MA4**	154
59	1155	1.2	24.8	12700	**C612_24.8 S4 ME4LA4**	**C612_24.8 S4 MX4LA4**	146	**C612_24.8 P132 BE132MA4**	**C612_24.8 P132 BX132MA4**	147
61	1115	3.2	24.0	30500	**C802_24.0 S4 ME4LA4**	**C802_24.0 S4 MX4LA4**	153	**C802_24.0 P132 BE132MA4**	**C802_24.0 P132 BX132MA4**	154
64	1064	2.0	22.9	19400	**C702_22.9 S4 ME4LA4**	**C702_22.9 S4 MX4LA4**	150	**C702_22.9 P132 BE132MA4**	**C702_22.9 P132 BX132MA4**	151
65	1040	1.3	22.4	12500	**C612_22.4 S4 ME4LA4**	**C612_22.4 S4 MX4LA4**	146	**C612_22.4 P132 BE132MA4**	**C612_22.4 P132 BX132MA4**	147
65	1035	3.6	22.2	30000	**C802_22.2 S4 ME4LA4**	**C802_22.2 S4 MX4LA4**	153	**C802_22.2 P132 BE132MA4**	**C802_22.2 P132 BX132MA4**	154
67	994	0.9	21.8	7200	**C513_21.8 S4 ME4LA4**	**C513_21.8 S4 MX4LA4**	142	**C513_21.8 P132 BE132MA4**	**C513_21.8 P132 BX132MA4**	143
74	912	1.5	19.6	12300	**C612_19.6 S4 ME4LA4**	**C612_19.6 S4 MX4LA4**	146	**C612_19.6 P132 BE132MA4**	**C612_19.6 P132 BX132MA4**	147
75	898	2.3	19.3	18900	**C702_19.3 S4 ME4LA4**	**C702_19.3 S4 MX4LA4**	150	**C702_19.3 P132 BE132MA4**	**C702_19.3 P132 BX132MA4**	151
77	879	0.9	18.9	7100	**C512_18.9 S4 ME4LA4**	**C512_18.9 S4 MX4LA4**	142	**C512_18.9 P132 BE132MA4**	**C512_18.9 P132 BX132MA4**	143
82	822	1.6	17.7	12000	**C612_17.7 S4 ME4LA4**	**C612_17.7 S4 MX4LA4**	146	**C612_17.7 P132 BE132MA4**	**C612_17.7 P132 BX132MA4**	147
87	778	2.6	16.7	18200	**C702_16.7 S4 ME4LA4**	**C702_16.7 S4 MX4LA4**	150	**C702_16.7 P132 BE132MA4**	**C702_16.7 P132 BX132MA4**	151
88	773	1.0	16.6	8070	**C512_16.6 S4 ME4LA4**	**C512_16.6 S4 MX4LA4**	142	**C512_16.6 P132 BE132MA4**	**C512_16.6 P132 BX132MA4**	143
91	742	1.8	15.9	11800	**C612_15.9 S4 ME4LA4**	**C612_15.9 S4 MX4LA4**	146	**C612_15.9 P132 BE132MA4**	**C612_15.9 P132 BX132MA4**	147
95	714	2.9	15.3	18000	**C702_15.3 S4 ME4LA4**	**C702_15.3 S4 MX4LA4**	150	**C702_15.3 P132 BE132MA4**	**C702_15.3 P132 BX132MA4**	151
97	697	1.1	15.0	8000	**C512_15.0 S4 ME4LA4**	**C512_15.0 S4 MX4LA4**	142	**C512_15.0 P132 BE132MA4**	**C512_15.0 P132 BX132MA4**	143
101	668	2.0	14.3	11500	**C612_14.3 S4 ME4LA4**	**C612_14.3 S4 MX4LA4**	146	**C612_14.3 P132 BE132MA4**	**C612_14.3 P132 BX132MA4**	147
111	611	1.2	13.1	7840	**C512_13.1 S4 ME4LA4**	**C512_13.1 S4 MX4LA4**	142	**C512_13.1 P132 BE132MA4**	**C512_13.1 P132 BX132MA4**	143
120	563	2.4	12.1	11100	**C612_12.1 S4 ME4LA4**	**C612_12.1 S4 MX4LA4**	146	**C612_12.1 P132 BE132MA4**	**C612_12.1 P132 BX132MA4**	147
123	551	1.4	11.8	7730	**C512_11.8 S4 ME4LA4**	**C512_11.8 S4 MX4LA4**	142	**C512_11.8 P132 BE132MA4**	**C512_11.8 P132 BX132MA4**	143
134	507	2.7	10.9	10900	**C612_10.9 S4 ME4LA4**	**C612_10.9 S4 MX4LA4**	146	**C612_10.9 P132 BE132MA4**	**C612_10.9 P132 BX132MA4**	147
148	457	3.0	9.8	10600	**C612_9.8 S4 ME4LA4**	**C612_9.8 S4 MX4LA4**	146	**C612_9.8 P132 BE132MA4**	**C612_9.8 P132 BX132MA4**	147
149	454	1.5	9.8	7450	**C512_9.8 S4 ME4LA4**	**C512_9.8 S4 MX4LA4**	142	**C512_9.8 P132 BE132MA4**	**C512_9.8 P132 BX132MA4**	143
152	447	0.9	9.6	3300	**C412_9.6 S4 ME4LA4**	**C412_9.6 S4 MX4LA4**	138	**C412_9.6 P132 BE132MA4**	**C412_9.6 P132 BX132MA4**	139
165	412	3.3	8.8	10300	**C612_8.8 S4 ME4LA4**	**C612_8.8 S4 MX4LA4**	146	**C612_8.8 P132 BE132MA4**	**C612_8.8 P132 BX132MA4**	147
165	410	0.9	8.8	2880	**C362_8.8 S4 ME4LA4**	**C362_8.8 S4 MX4LA4**	134	**C362_8.8 P132 BE132MA4**	**C362_8.8 P132 BX132MA4**	135
166	409	1.7	8.8	7320	**C512_8.8 S4 ME4LA4**	**C512_8.8 S4 MX4LA4**	142	**C512_8.8 P132 BE132MA4**	**C512_8.8 P132 BX132MA4**	143
168	402	1.0	8.6	3430	**C412_8.6 S4 ME4LA4**	**C412_8.6 S4 MX4LA4**	138	**C412_8.6 P132 BE132MA4**	**C412_8.6 P132 BX132MA4**	139
181	374	1.0	8.0	2900	**C362_8.0 S4 ME4LA4**	**C362_8.0 S4 MX4LA4**	134	**C362_8.0 P132 BE132MA4**	**C362_8.0 P132 BX132MA4**	135
188	361	1.8	7.8	7120	**C512_7.8 S4 ME4LA4**	**C512_7.8 S4 MX4LA4**	142	**C512_7.8 P132 BE132MA4**	**C512_7.8 P132 BX132MA4**	143
206	329	1.1	7.1	3470	**C412_7.1 S4 ME4LA4**	**C412_7.1 S4 MX4LA4**	138	**C412_7.1 P132 BE132MA4**	**C412_7.1 P132 BX132MA4**	139
208	325	1.9	7.0	6970	**C512_7.0 S4 ME4LA4**	**C512_7.0 S4 MX4LA4**	142	**C512_7.0 P132 BE132MA4**	**C512_7.0 P132 BX132MA4**	143
215	316	1.1	6.8	2900	**C362_6.8 S4 ME4LA4**	**C362_6.8 S4 MX4LA4**	134	**C362_6.8 P132 BE132MA4**	**C362_6.8 P132 BX132MA4**	135
229	296	1.2	6.4	3440	**C412_6.4 S4 ME4LA4**	**C412_6.4 S4 MX4LA4**	138	**C412_6.4 P132 BE132MA4**	**C412_6.4 P132 BX132MA4**	139
242	279	2.4	6.0	9180	**C612_6.0 S4 ME4LA4**	**C612_6.0 S4 MX4LA4**	146	**C612_6.0 P132 BE132MA4**	**C612_6.0 P132 BX132MA4**	147
244	277	0.9	6.0	2920	**C412_6.0 S4 ME4LA4**	**C412_6.0 S4 MX4LA4**	138	**C412_6.0 P132 BE132MA4**	**C412_6.0 P132 BX132MA4**	139
258	262	1.7	5.6	6410	**C512_5.6 S4 ME4LA4**	**C512_5.6 S4 MX4LA4**	142	**C512_5.6 P132 BE132MA4**	**C512_5.6 P132 BX132MA4**	143
312	217	1.2	4.7	2960	**C412_4.7 S4 ME4LA4**	**C412_4.7 S4 MX4LA4**	138	**C412_4.7 P132 BE132MA4**	**C412_4.7 P132 BX132MA4**	139
315	215	0.9	4.6	2600	**C362_4.6 S4 ME4LA4**	**C362_4.6 S4 MX4LA4**	134	**C362_4.6 P132 BE132MA4**	**C362_4.6 P132 BX132MA4**	135
319	212	3.1	4.6	8550	**C612_4.6 S4 ME4LA4**	**C612_4.6 S4 MX4LA4**	146	**C612_4.6 P132 BE132MA4**	**C612_4.6 P132 BX132MA4**	147
327	207	2.1	4.5	6090	**C512_4.5 S4 ME4LA4**	**C512_4.5 S4 MX4LA4**	142	**C512_4.5 P132 BE132MA4**	**C512_4.5 P132 BX132MA4**	143
342	199	3.3	2.8	8390	**C612_2.8 S5 ME5SB6**		146	**C612_2.8 P160 BE160MB6**		147
346	196	1.0	4.2	2550	**C362_4.2 S4 ME4LA4**	**C362_4.2 S4 MX4LA4**	134	**C362_4.2 P132 BE132MA4**	**C362_4.2 P132 BX132MA4**	135
367	185	2.2	2.6	5920	**C512_2.6 S5 ME5SB6**		142	**C512_2.6 P160 BE160MB6**		143
403	168	1.5	3.6	2930	**C412_3.6 S4 ME4LA4**	**C412_3.6 S4 MX4LA4**	138	**C412_3.6 P132 BE132MA4**	**C412_3.6 P132 BX132MA4**	139
414	164	2.2	7.1	3240	**C412_7.1 S4 ME4LA2**		138	**C412_7.1 P132 BE132SB2**		139
417	162	1.2	3.5	2500	**C362_3.5 S4 ME4LA4**	**C362_3.5 S4 MX4LA4**	134	**C362_3.5 P132 BE132MA4**	**C362_3.5 P132 BX132MA4**	135
440	154	2.7	3.3	5660	**C512_3.3 S4 ME4LA4**	**C512_3.3 S4 MX4LA4**	142	**C512_3.3 P132 BE132MA4**	**C512_3.3 P132 BX132MA4**	143

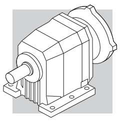


7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
457	148	1.4	3.2	2500	**C362_3.2 S4 ME4LA4**	**C362_3.2 S4 MX4LA4**	134	**C362_3.2 P132 BE132MA4**	**C362_3.2 P132 BX132MA4**	135
460	148	2.3	6.4	3170	**C412_6.4 S4 ME4LA2**		138	**C412_6.4 P132 BE132SB2**		139
491	138	1.9	6.0	2880	**C412_6.0 S4 ME4LA2**		138	**C412_6.0 P132 BE132SB2**		139
505	134	1.0	2.9	2100	**C322_2.9 S4 ME4LA4**	**C322_2.9 S4 MX4LA4**	130	**C322_2.9 P132 BN132MA4**	**C322_2.9 P132 BX132MA4**	131
519	131	3.3	5.6	5420	**C512_5.6 S4 ME4LA2**		142	**C512_5.6 P132 BE132SB2**		143
542	125	1.6	2.7	2440	**C362_2.7 S4 ME4LA4**	**C362_2.7 S4 MX4LA4**	134	**C362_2.7 P132 BE132MA4**	**C362_2.7 P132 BX132MA4**	135
547	124	2.0	2.7	2840	**C412_2.7 S4 ME4LA4**	**C412_2.7 S4 MX4LA4**	138	**C412_2.7 P132 BE132MA4**	**C412_2.7 P132 BX132MA4**	139
553	122	3.3	2.6	5330	**C512_2.6 S4 ME4LA4**	**C512_2.6 S4 MX4LA4**	142	**C512_2.6 P132 BE132MA4**	**C512_2.6 P132 BX132MA4**	143
554	123	1.6	5.3	2370	**C362_5.3 S4 ME4LA2**		134	**C362_5.3 P132 BE132SB2**		135
627	108	2.4	4.7	2790	**C412_4.7 S4 ME4LA2**		138	**C412_4.7 P132 BE132SB2**		139
633	108	1.9	4.6	2330	**C362_4.6 S4 ME4LA2**		134	**C362_4.6 P132 BE132SB2**		135
696	98	2.0	4.2	2290	**C362_4.2 S4 ME4LA2**		134	**C362_4.2 P132 BE132SB2**		135
810	84	3.0	3.6	2670	**C412_3.6 S4 ME4LA2**		138	**C412_3.6 P132 BE132SB2**		139
839	81	2.5	3.5	2210	**C362_3.5 S4 ME4LA2**		134	**C362_3.5 P132 BE132SB2**		135
919	74	2.7	3.2	2170	**C362_3.2 S4 ME4LA2**		134	**C362_3.2 P132 BE132SB2**		135
1089	62	3.2	2.7	2100	**C362_2.7 S4 ME4LA2**		134	**C362_2.7 P132 BE132SB2**		135

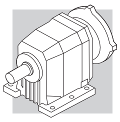
9.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
5.9	13408	0.9	244.2	85000	**C1004_244.2 S4 ME4LB4**		159	**C1004_244.2 P132 BE132MB4**	**C1004_244.2 P160 BX160MA4**	160
7.3	10960	1.1	199.6	85000	**C1004_199.6 S4 ME4LB4**		159	**C1004_199.6 P132 BE132MB4**	**C1004_199.6 P160 BX160MA4**	160
7.8	10177	1.2	185.4	85000	**C1004_185.4 S4 ME4LB4**		159	**C1004_185.4 P132 BE132MB4**	**C1004_185.4 P160 BX160MA4**	160
8.9	8900	1.3	162.1	85000	**C1004_162.1 S4 ME4LB4**		159	**C1004_162.1 P132 BE132MB4**	**C1004_162.1 P160 BX160MA4**	160
9.6	8534	1.4	150.4	85000	**C1003_150.4 S4 ME4LB4**	**C1003_150.4 S5 MX5SA4**	159	**C1003_150.4 P132 BE132MB4**	**C1003_150.4 P160 BX160MA4**	160
10.4	7924	1.4	139.7	85000	**C1003_139.7 S4 ME4LB4**	**C1003_139.7 S5 MX5SA4**	159	**C1003_139.7 P132 BE132MB4**	**C1003_139.7 P160 BX160MA4**	160
10.8	7610	0.9	134.1	54900	**C903_134.1 S4 ME4LB4**	**C903_134.1 S5 MX5SA4**	156	**C903_134.1 P132 BE132MB4**	**C903_134.1 P160 BX160MA4**	157
12.0	6837	1.8	120.5	85000	**C1003_120.5 S4 ME4LB4**	**C1003_120.5 S5 MX5SA4**	159	**C1003_120.5 P132 BE132MB4**	**C1003_120.5 P160 BX160MA4**	160
12.4	6622	1.1	116.7	54800	**C903_116.7 S4 ME4LB4**	**C903_116.7 S5 MX5SA4**	156	**C903_116.7 P132 BE132MB4**	**C903_116.7 P160 BX160MA4**	157
13.0	6348	1.9	111.9	85000	**C1003_111.9 S4 ME4LB4**	**C1003_111.9 S5 MX5SA4**	159	**C1003_111.9 P132 BE132MB4**	**C1003_111.9 P160 BX160MA4**	160
13.6	6070	1.2	107.0	54600	**C903_107.0 S4 ME4LB4**	**C903_107.0 S5 MX5SA4**	156	**C903_107.0 P132 BE132MB4**	**C903_107.0 P160 BX160MA4**	157
14.5	5662	2.1	99.8	85000	**C1003_99.8 S4 ME4LB4**	**C1003_99.8 S5 MX5SA4**	159	**C1003_99.8 P132 BE132MB4**	**C1003_99.8 P160 BX160MA4**	160
15.1	5460	1.3	96.2	54200	**C903_96.2 S4 ME4LB4**	**C903_96.2 S5 MX5SA4**	156	**C903_96.2 P132 BE132MB4**	**C903_96.2 P160 BX160MA4**	157
15.6	5257	2.3	92.7	85000	**C1003_92.7 S4 ME4LB4**	**C1003_92.7 S5 MX5SA4**	159	**C1003_92.7 P132 BE132MB4**	**C1003_92.7 P160 BX160MA4**	160
16.4	5005	1.4	88.2	53700	**C903_88.2 S4 ME4LB4**	**C903_88.2 S5 MX5SA4**	156	**C903_88.2 P132 BE132MB4**	**C903_88.2 P160 BX160MA4**	157
16.9	4854	2.5	85.6	85000	**C1003_85.6 S4 ME4LB4**	**C1003_85.6 S5 MX5SA4**	159	**C1003_85.6 P132 BE132MB4**	**C1003_85.6 P160 BX160MA4**	160
17.9	4607	1.6	81.2	53300	**C903_81.2 S4 ME4LB4**	**C903_81.2 S5 MX5SA4**	156	**C903_81.2 P132 BE132MB4**	**C903_81.2 P160 BX160MA4**	157
18.3	4507	2.7	79.4	85000	**C1003_79.4 S4 ME4LB4**	**C1003_79.4 S5 MX5SA4**	159	**C1003_79.4 P132 BE132MB4**	**C1003_79.4 P160 BX160MA4**	160
18.9	4363	0.9	76.9	33700	**C803_76.9 S4 ME4LB4**	**C803_76.9 S5 MX5SA4**	153	**C803_76.9 P132 BE132MB4**	**C803_76.9 P160 BX160MA4**	154
19.5	4223	1.7	74.4	52700	**C903_74.4 S4 ME4LB4**	**C903_74.4 S5 MX5SA4**	156	**C903_74.4 P132 BE132MB4**	**C903_74.4 P160 BX160MA4**	157
20.6	4000	1.0	70.5	35000	**C803_70.5 S4 ME4LB4**	**C803_70.5 S5 MX5SA4**	153	**C803_70.5 P132 BE132MB4**	**C803_70.5 P160 BX160MA4**	154
22.5	3664	2.0	64.6	51800	**C903_64.6 S4 ME4LB4**	**C903_64.6 S5 MX5SA4**	156	**C903_64.6 P132 BE132MB4**	**C903_64.6 P160 BX160MA4**	157
23.2	3546	1.1	62.5	35000	**C803_62.5 S4 ME4LB4**	**C803_62.5 S5 MX5SA4**	153	**C803_62.5 P132 BE132MB4**	**C803_62.5 P160 BX160MA4**	154
24.5	3358	2.1	59.2	51100	**C903_59.2 S4 ME4LB4**	**C903_59.2 S5 MX5SA4**	156	**C903_59.2 P132 BE132MB4**	**C903_59.2 P160 BX160MA4**	157
25.3	3250	1.2	57.3	35000	**C803_57.3 S4 ME4LB4**	**C803_57.3 S5 MX5SA4**	153	**C803_57.3 P132 BE132MB4**	**C803_57.3 P160 BX160MA4**	154
26.4	3113	2.3	54.9	50500	**C903_54.9 S4 ME4LB4**	**C903_54.9 S5 MX5SA4**	156	**C903_54.9 P132 BE132MB4**	**C903_54.9 P160 BX160MA4**	157
28.8	2854	2.5	50.3	49700	**C903_50.3 S4 ME4LB4**	**C903_50.3 S5 MX5SA4**	156	**C903_50.3 P132 BE132MB4**	**C903_50.3 P160 BX160MA4**	157
31	2692	1.4	47.4	34900	**C803_47.4 S4 ME4LB4**	**C803_47.4 S5 MX5SA4**	153	**C803_47.4 P132 BE132MB4**	**C803_47.4 P160 BX160MA4**	154
32	2536	0.9	44.7	21100	**C703_44.7 S4 ME4LB4**	**C703_44.7 S5 MX5SA4**	150	**C703_44.7 P132 BE132MB4**	**C703_44.7 P160 BX160MA4**	151
33	2467	1.5	43.5	34400	**C803_43.5 S4 ME4LB4**	**C803_43.5 S5 MX5SA4**	153	**C803_43.5 P132 BE132MB4**	**C803_43.5 P160 BX160MA4**	154
34	2439	3.0	43.0	48300	**C903_43.0 S4 ME4LB4**	**C903_43.0 S5 MX5SA4**	156	**C903_43.0 P132 BE132MB4**	**C903_43.0 P160 BX160MA4**	157
35	2341	1.0	41.3	21000	**C703_41.3 S4 ME4LB4**	**C703_41.3 S5 MX5SA4**	150	**C703_41.3 P132 BE132MB4**	**C703_41.3 P160 BX160MA4**	151
37	2266	1.4	39.1	32300	**C802_39.1 S4 ME4LB4**	**C802_39.1 S5 MX5SA4**	153	**C802_39.1 P132 BE132MB4**	**C802_39.1 P160 BX160MA4**	154



9.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
41	2034	2.7	35.1	46200	**C902_35.1 S4 ME4LB4**	**C902_35.1 S5 MX5SA4**	156	**C902_35.1 P132 BE132MB4**	**C902_35.1 P160 BX160MA4**	157
42	2014	1.0	34.7	19200	**C702_34.7 S4 ME4LB4**	**C702_34.7 S5 MX5SA4**	150	**C702_34.7 P132 BE132MB4**	**C702_34.7 P160 BX160MA4**	151
46	1816	2.0	31.3	31100	**C802_31.3 S4 ME4LB4**	**C802_31.3 S5 MX5SA4**	153	**C802_31.3 P132 BE132MB4**	**C802_31.3 P160 BX160MA4**	154
49	1706	3.5	29.4	44600	**C902_29.4 S4 ME4LB4**	**C902_29.4 S5 MX5SA4**	156	**C902_29.4 P132 BE132MB4**	**C902_29.4 P160 BX160MA4**	157
49	1612	0.9	29.4	10500	**C613_29.4 S4 ME4LB4**	**C613_29.4 S5 MX5SA4**	146	**C613_29.4 P132 BE132MB4**	**C613_29.4 P160 BX160MA4**	147
52	1606	1.3	27.7	18900	**C702_27.7 S4 ME4LB4**	**C702_27.7 S5 MX5SA4**	150	**C702_27.7 P132 BE132MB4**	**C702_27.7 P160 BX160MA4**	151
54	1470	1.0	26.8	11400	**C613_26.8 S4 ME4LB4**	**C613_26.8 S5 MX5SA4**	146	**C613_26.8 P132 BE132MB4**	**C613_26.8 P160 BX160MA4**	147
56	1504	2.5	25.9	30300	**C802_25.9 S4 ME4LB4**	**C802_25.9 S5 MX5SA4**	153	**C802_25.9 P132 BE132MB4**	**C802_25.9 P160 BX160MA4**	154
58	1438	0.9	24.8	11800	**C612_24.8 S4 ME4LB4**	**C612_24.8 S5 MX5SA4**	146	**C612_24.8 P132 BE132MB4**	**C612_24.8 P160 BX160MA4**	147
61	1388	2.6	24.0	30000	**C802_24.0 S4 ME4LB4**	**C802_24.0 S5 MX5SA4**	153	**C802_24.0 P132 BE132MB4**	**C802_24.0 P160 BX160MA4**	154
63	1324	1.6	22.9	18500	**C702_22.9 S4 ME4LB4**	**C702_22.9 S5 MX5SA4**	150	**C702_22.9 P132 BE132MB4**	**C702_22.9 P160 BX160MA4**	151
65	1295	1.0	22.4	11700	**C612_22.4 S4 ME4LB4**	**C612_22.4 S5 MX5SA4**	146	**C612_22.4 P132 BE132MB4**	**C612_22.4 P160 BX160MA4**	147
65	1289	2.9	22.2	29200	**C802_22.2 S4 ME4LB4**	**C802_22.2 S5 MX5SA4**	153	**C802_22.2 P132 BE132MB4**	**C802_22.2 P160 BX160MA4**	154
71	1190	3.0	20.5	28900	**C802_20.5 S4 ME4LB4**	**C802_20.5 S5 MX5SA4**	153	**C802_20.5 P132 BE132MB4**	**C802_20.5 P160 BX160MA4**	154
74	1136	1.2	19.6	11600	**C612_19.6 S4 ME4LB4**	**C612_19.6 S5 MX5SA4**	146	**C612_19.6 P132 BE132MB4**	**C612_19.6 P160 BX160MA4**	147
75	1118	1.9	19.3	18100	**C702_19.3 S4 ME4LB4**	**C702_19.3 S5 MX5SA4**	150	**C702_19.3 P132 BE132MB4**	**C702_19.3 P160 BX160MA4**	151
82	1023	1.3	17.7	11400	**C612_17.7 S4 ME4LB4**	**C612_17.7 S5 MX5SA4**	146	**C612_17.7 P132 BE132MB4**	**C612_17.7 P160 BX160MA4**	147
87	968	2.1	16.7	17500	**C702_16.7 S4 ME4LB4**	**C702_16.7 S5 MX5SA4**	150	**C702_16.7 P132 BE132MB4**	**C702_16.7 P160 BX160MA4**	151
91	923	1.5	15.9	11200	**C612_15.9 S4 ME4LB4**	**C612_15.9 S5 MX5SA4**	146	**C612_15.9 P132 BE132MB4**	**C612_15.9 P160 BX160MA4**	147
95	889	2.4	15.3	17500	**C702_15.3 S4 ME4LB4**	**C702_15.3 S5 MX5SA4**	150	**C702_15.3 P132 BE132MB4**	**C702_15.3 P160 BX160MA4**	151
97	867	0.9	15.0	7430	**C512_15.0 S4 ME4LB4**	**C512_15.0 S5 MX5SA4**	142	**C512_15.0 P132 BE132MB4**	**C512_15.0 P160 BX160MA4**	143
101	831	1.6	14.3	11000	**C612_14.3 S4 ME4LB4**	**C612_14.3 S5 MX5SA4**	146	**C612_14.3 P132 BE132MB4**	**C612_14.3 P160 BX160MA4**	147
103	817	2.6	14.1	17000	**C702_14.1 S4 ME4LB4**	**C702_14.1 S5 MX5SA4**	150	**C702_14.1 P132 BE132MB4**	**C702_14.1 P160 BX160MA4**	151
110	761	1.0	13.1	7340	**C512_13.1 S4 ME4LB4**	**C512_13.1 S5 MX5SA4**	142	**C512_13.1 P132 BE132MB4**	**C512_13.1 P160 BX160MA4**	143
111	755	2.8	13.0	17000	**C702_13.0 S4 ME4LB4**	**C702_13.0 S5 MX5SA4**	150	**C702_13.0 P132 BE132MB4**	**C702_13.0 P160 BX160MA4**	151
120	701	1.9	12.1	10700	**C612_12.1 S4 ME4LB4**	**C612_12.1 S5 MX5SA4**	146	**C612_12.1 P132 BE132MB4**	**C612_12.1 P160 BX160MA4**	147
123	686	1.1	11.8	7280	**C512_11.8 S4 ME4LB4**	**C512_11.8 S5 MX5SA4**	142	**C512_11.8 P132 BE132MB4**	**C512_11.8 P160 BX160MA4**	143
128	653	3.2	22.9	16500	**C702_22.9 S4 ME4LB2**	**C702_22.9 S5 ME4LB2**	150	**C702_22.9 P132 BE132MB2**	**C702_22.9 P160 BE132MB2**	151
133	631	2.1	10.9	10500	**C612_10.9 S4 ME4LB4**	**C612_10.9 S5 MX5SA4**	146	**C612_10.9 P132 BE132MB4**	**C612_10.9 P160 BX160MA4**	147
148	569	2.4	9.8	10300	**C612_9.8 S4 ME4LB4**	**C612_9.8 S5 MX5SA4**	146	**C612_9.8 P132 BE132MB4**	**C612_9.8 P160 BX160MA4**	147
149	565	1.2	9.8	7080	**C512_9.8 S4 ME4LB4**	**C512_9.8 S5 MX5SA4**	142	**C512_9.8 P132 BE132MB4**	**C512_9.8 P160 BX160MA4**	143
164	512	2.6	8.8	10000	**C612_8.8 S4 ME4LB4**	**C612_8.8 S5 MX5SA4**	146	**C612_8.8 P132 BE132MB4**	**C612_8.8 P160 BX160MA4**	147
165	509	1.3	8.8	6990	**C512_8.8 S4 ME4LB4**	**C512_8.8 S5 MX5SA4**	142	**C512_8.8 P132 BE132MB4**	**C512_8.8 P160 BX160MA4**	143
187	449	1.4	7.8	6820	**C512_7.8 S4 ME4LB4**	**C512_7.8 S5 MX5SA4**	142	**C512_7.8 P132 BE132MB4**	**C512_7.8 P160 BX160MA4**	143
194	434	3.1	7.5	9670	**C612_7.5 S4 ME4LB4**	**C612_7.5 S5 MX5SA4**	146	**C612_7.5 P132 BE132MB4**	**C612_7.5 P160 BX160MA4**	147
208	405	1.6	7.0	6710	**C512_7.0 S4 ME4LB4**	**C512_7.0 S5 MX5SA4**	142	**C512_7.0 P132 BE132MB4**	**C512_7.0 P160 BX160MA4**	143
215	391	3.5	6.7	9410	**C612_6.7 S4 ME4LB4**	**C612_6.7 S5 MX5SA4**	146	**C612_6.7 P132 BE132MB4**	**C612_6.7 P160 BX160MA4**	147
228	369	0.9	6.4	3100	**C412_6.4 S4 ME4LB4**		138	**C412_6.4 P132 BE132MB4**		139
242	348	1.9	6.0	8930	**C612_6.0 S4 ME4LB4**	**C612_6.0 S5 MX5SA4**	146	**C612_6.0 P132 BE132MB4**	**C612_6.0 P160 BX160MA4**	147
258	326	1.3	5.6	6150	**C512_5.6 S4 ME4LB4**	**C512_5.6 S5 MX5SA4**	142	**C512_5.6 P132 BE132MB4**	**C512_5.6 P160 BX160MA4**	143
262	319	1.3	11.2	3110	**C412_11.2 S4 ME4LB2**		138	**C412_11.2 P132 BE132MB2**		139
311	270	1.0	4.7	2620	**C412_4.7 S4 ME4LB4**		138	**C412_4.7 P132 BE132MB4**		139
318	264	2.5	4.6	8360	**C612_4.6 S4 ME4LB4**	**C612_4.6 S5 MX5SA4**	146	**C612_4.6 P132 BE132MB4**	**C612_4.6 P160 BX160MA4**	147
326	258	1.7	4.5	5880	**C512_4.5 S4 ME4LB4**	**C512_4.5 S5 MX5SA4**	142	**C512_4.5 P132 BE132MB4**	**C512_5.6 P160 BX160MA4**	143
338	247	1.6	8.6	3090	**C412_8.6 S4 ME4LB2**		138	**C412_8.6 P132 BE132MB2**		139
377	222	2.9	7.8	5870	**C512_7.8 S4 ME4LB2**		142	**C512_7.8 P132 BE132MB2**		143
402	209	1.2	3.6	2670	**C412_3.6 S4 ME4LB4**		138	**C412_3.6 P132 BE132MB4**		139
413	202	1.8	7.1	3050	**C412_7.1 S4 ME4LB2**		138	**C412_7.1 P132 BE132MB2**		139
416	202	1.0	3.5	2300	**C362_3.5 S4 ME4LB4**		134	**C362_3.5 P132 BE132MB4**		135
418	200	3.2	7.0	5730	**C512_7.0 S4 ME4LB2**		142	**C512_7.0 P132 BE132MB2**		143
438	192	2.2	3.3	5510	**C512_3.3 S4 ME4LB4**	**C512_3.3 S5 MX5SA4**	142	**C512_3.3 P132 BE132MB4**	**C512_3.3 P160 BX160MA4**	143
456	184	1.1	3.2	2300	**C362_3.2 S4 ME4LB4**		134	**C362_3.2 P132 BE132MB4**		135
459	182	1.9	6.4	3000	**C412_6.4 S4 ME4LB2**		138	**C412_6.4 P132 BE132MB2**		139
491	170	1.5	6.0	2660	**C412_6.0 S4 ME4LB2**		138	**C412_6.0 P132 BE132MB2**		139
519	161	2.7	5.6	5290	**C512_5.6 S4 ME4LB2**		142	**C512_5.6 P132 BE132MB2**		143
540	156	1.3	2.7	2280	**C362_2.7 S4 ME4LB4**		134	**C362_2.7 P132 BE132MB4**		135
545	154	1.6	2.7	2650	**C412_2.7 S4 ME4LB4**		138	**C412_2.7 P132 BE132MB4**		139

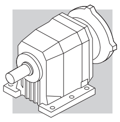


9.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
552	152	2.6	2.6	5210	**C512_2.6 S4 ME4LB4**	**C512_2.6 S5 MX5SA4**	142	**C512_2.6 P132 BE132MB4**	**C512_2.6 P160 BX160MA4**	143
626	133	2.0	4.7	2620	**C412_4.7 S4 ME4LB2**		138	**C412_4.7 P132 BE132MB2**		139
656	127	3.4	4.5	4980	**C512_4.5 S4 ME4LB2**		142	**C512_4.5 P132 BE132MB2**		143
695	120	1.7	4.2	2180	**C362_4.2 S4 ME4LB2**		134	**C362_4.2 P132 BE132MB2**		135
809	103	2.5	3.6	2540	**C412_3.6 S4 ME4LB2**		138	**C412_3.6 P132 BE132MB2**		139
838	100	2.0	3.5	2120	**C362_3.5 S4 ME4LB2**		134	**C362_3.5 P132 BE132MB2**		135
918	91	2.2	3.2	2090	**C362_3.2 S4 ME4LB2**		134	**C362_3.2 P132 BE132MB2**		135
1087	77	2.6	2.7	2020	**C362_2.7 S4 ME4LB2**		134	**C362_2.7 P132 BE132MB2**		135
1098	76	3.2	2.7	2410	**C412_2.7 S4 ME4LB2**		138	**C412_2.7 P132 BE132MB2**		139

11 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
7.4	12936	0.9	199.6	85000	**C1004_199.6 S5 ME5SA4**	**C1004_199.6 S5 MX5SB4**	159	**C1004_199.6 P160 BE160M4**	**C1004_199.6 P160 BX160MB4**	160
7.9	12012	1.0	185.4	85000	**C1004_185.4 S5 ME5SA4**	**C1004_185.4 S5 MX5SB4**	159	**C1004_185.4 P160 BE160M4**	**C1004_185.4 P160 BX160MB4**	160
9.1	10504	1.1	162.1	85000	**C1004_162.1 S5 ME5SA4**	**C1004_162.1 S5 MX5SB4**	159	**C1004_162.1 P160 BE160M4**	**C1004_162.1 P160 BX160MB4**	160
9.8	10073	1.2	150.4	85000	**C1003_150.4 S5 ME5SA4**	**C1003_150.4 S5 MX5SB4**	159	**C1003_150.4 P160 BE160M4**	**C1003_150.4 P160 BX160MB4**	160
10.5	9353	1.2	139.7	85000	**C1003_139.7 S5 ME5SA4**	**C1003_139.7 S5 MX5SB4**	159	**C1003_139.7 P160 BE160M4**	**C1003_139.7 P160 BX160MB4**	160
12.2	8070	1.5	120.5	85000	**C1003_120.5 S5 ME5SA4**	**C1003_120.5 S5 MX5SB4**	159	**C1003_120.5 P160 BE160M4**	**C1003_120.5 P160 BX160MB4**	160
12.6	7816	0.9	116.7	50800	**C903_116.7 S5 ME5SA4**	**C903_116.7 S5 MX5SB4**	156	**C903_116.7 P160 BE160M4**	**C903_116.7 P160 BX160MB4**	157
13.1	7493	1.6	111.9	85000	**C1003_111.9 S5 ME5SA4**	**C1003_111.9 S5 MX5SB4**	159	**C1003_111.9 P160 BE160M4**	**C1003_111.9 P160 BX160MB4**	160
13.7	7165	1.0	107.0	51000	**C903_107.0 S5 ME5SA4**	**C903_107.0 S5 MX5SB4**	156	**C903_107.0 P160 BE160M4**	**C903_107.0 P160 BX160MB4**	157
14.7	6683	1.8	99.8	85000	**C1003_99.8 S5 ME5SA4**	**C1003_99.8 S5 MX5SB4**	159	**C1003_99.8 P160 BE160M4**	**C1003_99.8 P160 BX160MB4**	160
15.3	6444	1.1	96.2	50800	**C903_96.2 S5 ME5SA4**	**C903_96.2 S5 MX5SB4**	156	**C903_96.2 P160 BE160M4**	**C903_96.2 P160 BX160MB4**	157
15.9	6205	1.9	92.7	85000	**C1003_92.7 S5 ME5SA4**	**C1003_92.7 S5 MX5SB4**	159	**C1003_92.7 P160 BE160M4**	**C1003_92.7 P160 BX160MB4**	160
16.7	5907	1.2	88.2	50700	**C903_88.2 S5 ME5SA4**	**C903_88.2 S5 MX5SB4**	156	**C903_88.2 P160 BE160M4**	**C903_88.2 P160 BX160MB4**	157
17.2	5729	2.1	85.6	85000	**C1003_85.6 S5 ME5SA4**	**C1003_85.6 S5 MX5SB4**	159	**C1003_85.6 P160 BE160M4**	**C1003_85.6 P160 BX160MB4**	160
18.1	5438	1.3	81.2	50700	**C903_81.2 S5 ME5SA4**	**C903_81.2 S5 MX5SB4**	156	**C903_81.2 P160 BE160M4**	**C903_81.2 P160 BX160MB4**	157
18.5	5320	2.3	79.4	85000	**C1003_79.4 S5 ME5SA4**	**C1003_79.4 S5 MX5SB4**	159	**C1003_79.4 P160 BE160M4**	**C1003_79.4 P160 BX160MB4**	160
19.7	4985	1.4	74.4	50200	**C903_74.4 S5 ME5SA4**	**C903_74.4 S5 MX5SB4**	156	**C903_74.4 P160 BE160M4**	**C903_74.4 P160 BX160MB4**	157
21.2	4649	2.6	69.4	84800	**C1003_69.4 S5 ME5SA4**	**C1003_69.4 S5 MX5SB4**	159	**C1003_69.4 P160 BE160M4**	**C1003_69.4 P160 BX160MB4**	160
22.8	4324	1.7	64.6	50000	**C903_64.6 S5 ME5SA4**	**C903_64.6 S5 MX5SB4**	156	**C903_64.6 P160 BE160M4**	**C903_64.6 P160 BX160MB4**	157
22.8	4317	2.8	64.5	83100	**C1003_64.5 S5 ME5SA4**	**C1003_64.5 S5 MX5SB4**	159	**C1003_64.5 P160 BE160M4**	**C1003_64.5 P160 BX160MB4**	160
23.5	4185	1.0	62.5	33000	**C803_62.5 S5 ME5SA4**	**C803_62.5 S5 MX5SB4**	153	**C803_62.5 P160 BE160M4**	**C803_62.5 P160 BX160MB4**	154
24.8	3964	1.8	59.2	49000	**C903_59.2 S5 ME5SA4**	**C903_59.2 S5 MX5SB4**	156	**C903_59.2 P160 BE160M4**	**C903_59.2 P160 BX160MB4**	157
25.7	3837	1.0	57.3	34200	**C803_57.3 S5 ME5SA4**	**C803_57.3 S5 MX5SB4**	153	**C803_57.3 P160 BE160M4**	**C803_57.3 P160 BX160MB4**	154
26.8	3674	2.0	54.9	48800	**C903_54.9 S5 ME5SA4**	**C903_54.9 S5 MX5SB4**	156	**C903_54.9 P160 BE160M4**	**C903_54.9 P160 BX160MB4**	157
29.2	3368	2.1	50.3	48000	**C903_50.3 S5 ME5SA4**	**C903_50.3 S5 MX5SB4**	156	**C903_50.3 P160 BE160M4**	**C903_50.3 P160 BX160MB4**	157
31	3177	1.2	47.4	33500	**C803_47.4 S5 ME5SA4**	**C803_47.4 S5 MX5SB4**	153	**C803_47.4 P160 BE160M4**	**C803_47.4 P160 BX160MB4**	154
34	2912	1.3	43.5	33100	**C803_43.5 S5 ME5SA4**	**C803_43.5 S5 MX5SB4**	153	**C803_43.5 P160 BE160M4**	**C803_43.5 P160 BX160MB4**	154
34	2878	2.5	43.0	47000	**C903_43.0 S5 ME5SA4**	**C903_43.0 S5 MX5SB4**	156	**C903_43.0 P160 BE160M4**	**C903_43.0 P160 BX160MB4**	157
37	2638	2.7	39.4	46100	**C903_39.4 S5 ME5SA4**	**C903_39.4 S5 MX5SB4**	156	**C903_39.4 P160 BE160M4**	**C903_39.4 P160 BX160MB4**	157
38	2675	1.2	39.1	30900	**C802_39.1 S5 ME5SA4**	**C802_39.1 S5 MX5SB4**	153	**C802_39.1 P160 BE160M4**	**C802_39.1 P160 BX160MB4**	154
42	2401	2.2	35.1	45000	**C902_35.1 S5 ME5SA4**	**C902_35.1 S5 MX5SB4**	156	**C902_35.1 P160 BE160M4**	**C902_35.1 P160 BX160MB4**	157
47	2143	1.7	31.3	30000	**C802_31.3 S5 ME5SA4**	**C802_31.3 S5 MX5SB4**	153	**C802_31.3 P160 BE160M4**	**C802_31.3 P160 BX160MB4**	154
50	2013	2.9	29.4	43400	**C902_29.4 S5 ME5SA4**	**C902_29.4 S5 MX5SB4**	156	**C902_29.4 P160 BE160M4**	**C902_29.4 P160 BX160MB4**	157
53	1896	1.1	27.7	17800	**C702_27.7 S5 ME5SA4**	**C702_27.7 S5 MX5SB4**	150	**C702_27.7 P160 BE160M4**	**C702_27.7 P160 BX160MB4**	151
54	1859	3.0	27.2	42700	**C902_27.2 S5 ME5SA4**	**C902_27.2 S5 MX5SB4**	156	**C902_27.2 P160 BE160M4**	**C902_27.2 P160 BX160MB4**	157
57	1775	2.1	25.9	29200	**C802_25.9 S5 ME5SA4**	**C802_25.9 S5 MX5SB4**	153	**C802_25.9 P160 BE160M4**	**C802_25.9 P160 BX160MB4**	154
61	1638	2.2	24.0	28700	**C802_24.0 S5 ME5SA4**	**C802_24.0 S5 MX5SB4**	153	**C802_24.0 P160 BE160M4**	**C802_24.0 P160 BX160MB4**	154
64	1563	1.3	22.9	17600	**C702_22.9 S5 ME5SA4**	**C702_22.9 S5 MX5SB4**	150	**C702_22.9 P160 BE160M4**	**C702_22.9 P160 BX160MB4**	151
66	1522	2.4	22.2	28400	**C802_22.2 S5 ME5SA4**	**C802_22.2 S5 MX5SB4**	153	**C802_22.2 P160 BE160M4**	**C802_22.2 P160 BX160MB4**	154
72	1404	2.5	20.5	28000	**C802_20.5 S5 ME5SA4**	**C802_20.5 S5 MX5SB4**	153	**C802_20.5 P160 BE160M4**	**C802_20.5 P160 BX160MB4**	154

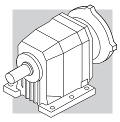


11 kW

n2	M2	S	i	Rn2	IE2	IE3		IE2 (IEC)	IE3 (IEC)	
min-1	Nm			N						
75	1341	1.0	19.6	10800	**C612_19.6 S5 ME5SA4**	**C612_19.6 S5 MX5SB4**	146	**C612_19.6 P160 BE160M4**	**C612_19.6 P160 BX160MB4**	147
76	1319	1.6	19.3	17300	**C702_19.3 S5 ME5SA4**	**C702_19.3 S5 MX5SB4**	150	**C702_19.3 P160 BE160M4**	**C702_19.3 P160 BX160MB4**	151
81	1235	3.0	18.1	27300	**C802_18.1 S5 ME5SA4**	**C802_18.1 S5 MX5SB4**	153	**C802_18.1 P160 BE160M4**	**C802_18.1 P160 BX160MB4**	154
83	1207	1.1	17.7	10700	**C612_17.7 S5 ME5SA4**	**C612_17.7 S5 MX5SB4**	146	**C612_17.7 P160 BE160M4**	**C612_17.7 P160 BX160MB4**	147
88	1143	1.8	16.7	16800	**C702_16.7 S5 ME5SA4**	**C702_16.7 S5 MX5SB4**	150	**C702_16.7 P160 BE160M4**	**C702_16.7 P160 BX160MB4**	151
88	1140	3.1	16.7	26900	**C802_16.7 S5 ME5SA4**	**C802_16.7 S5 MX5SB4**	153	**C802_16.7 P160 BE160M4**	**C802_16.7 P160 BX160MB4**	154
92	1090	1.2	15.9	10700	**C612_15.9 S5 ME5SA4**	**C612_15.9 S5 MX5SB4**	146	**C612_15.9 P160 BE160M4**	**C612_15.9 P160 BX160MB4**	147
96	1049	2.0	15.3	16800	**C702_15.3 S5 ME5SA4**	**C702_15.3 S5 MX5SB4**	150	**C702_15.3 P160 BE160M4**	**C702_15.3 P160 BX160MB4**	151
102	981	1.4	14.3	10500	**C612_14.3 S5 ME5SA4**	**C612_14.3 S5 MX5SB4**	146	**C612_14.3 P160 BE160M4**	**C612_14.3 P160 BX160MB4**	147
104	964	2.2	14.1	16400	**C702_14.1 S5 ME5SA4**	**C702_14.1 S5 MX5SB4**	150	**C702_14.1 P160 BE160M4**	**C702_14.1 P160 BX160MB4**	151
113	891	2.4	13.0	16400	**C702_13.0 S5 ME5SA4**	**C702_13.0 S5 MX5SB4**	150	**C702_13.0 P160 BE160M4**	**C702_13.0 P160 BX160MB4**	151
122	827	1.6	12.1	10300	**C612_12.1 S5 ME5SA4**	**C612_12.1 S5 MX5SB4**	146	**C612_12.1 P160 BE160M4**	**C612_12.1 P160 BX160MB4**	147
124	810	1.0	11.8	6810	**C512_11.8 S5 ME5SA4**	**C512_11.8 S5 MX5SB4**	142	**C512_11.8 P160 BE160M4**	**C512_11.8 P160 BX160MB4**	143
131	767	2.8	11.2	15800	**C702_11.2 S5 ME5SA4**	**C702_11.2 S5 MX5SB4**	150	**C702_11.2 P160 BE160M4**	**C702_11.2 P160 BX160MB4**	151
135	745	1.8	10.9	10100	**C612_10.9 S5 ME5SA4**	**C612_10.9 S5 MX5SB4**	146	**C612_10.9 P160 BE160M4**	**C612_10.9 P160 BX160MB4**	147
144	698	3.0	10.2	15700	**C702_10.2 S5 ME5SA4**	**C702_10.2 S5 MX5SB4**	150	**C702_10.2 P160 BE160M4**	**C702_10.2 P160 BX160MB4**	151
150	672	2.0	9.8	9910	**C612_9.8 S5 ME5SA4**	**C612_9.8 S5 MX5SB4**	146	**C612_9.8 P160 BE160M4**	**C612_9.8 P160 BX160MB4**	147
151	667	1.0	9.8	6690	**C512_9.8 S5 ME5SA4**	**C512_9.8 S5 MX5SB4**	142	**C512_9.8 P160 BE160M4**	**C512_9.8 P160 BX160MB4**	143
154	651	3.3	9.5	15400	**C702_9.5 S5 ME5SA4**	**C702_9.5 S5 MX5SB4**	150	**C702_9.5 P160 BE160M4**	**C702_9.5 P160 BX160MB4**	151
166	605	2.2	8.8	9690	**C612_8.8 S5 ME5SA4**	**C612_8.8 S5 MX5SB4**	146	**C612_8.8 P160 BE160M4**	**C612_8.8 P160 BX160MB4**	147
167	601	1.1	8.8	6640	**C512_8.8 S5 ME5SA4**	**C512_8.8 S5 MX5SB4**	142	**C512_8.8 P160 BE160M4**	**C512_8.8 P160 BX160MB4**	143
190	530	1.2	7.8	6510	**C512_7.8 S5 ME5SA4**	**C512_7.8 S5 MX5SB4**	142	**C512_7.8 P160 BE160M4**	**C512_7.8 P160 BX160MB4**	143
196	512	2.6	7.5	9390	**C612_7.5 S5 ME5SA4**	**C612_7.5 S5 MX5SB4**	146	**C612_7.5 P160 BE160M4**	**C612_7.5 P160 BX160MB4**	147
210	478	1.3	7.0	6430	**C512_7.0 S5 ME5SA4**	**C512_7.0 S5 MX5SB4**	142	**C512_7.0 P160 BE160M4**	**C512_7.0 P160 BX160MB4**	143
218	461	2.9	6.7	9150	**C612_6.7 S5 ME5SA4**	**C612_6.7 S5 MX5SB4**	146	**C612_6.7 P160 BE160M4**	**C612_6.7 P160 BX160MB4**	147
245	411	1.6	6.0	8670	**C612_6.0 S5 ME5SA4**	**C612_6.0 S5 MX5SB4**	146	**C612_6.0 P160 BE160M4**	**C612_6.0 P160 BX160MB4**	147
261	385	1.1	5.6	5880	**C512_5.6 S5 ME5SA4**	**C512_5.6 S5 MX5SB4**	142	**C512_5.6 P160 BE160M4**	**C512_5.6 P160 BX160MB4**	143
323	312	2.1	4.6	8160	**C612_4.6 S5 ME5SA4**	**C612_4.6 S5 MX5SB4**	146	**C612_4.6 P160 BE160M4**	**C612_4.6 P160 BX160MB4**	147
330	305	1.4	4.5	5660	**C512_4.5 S5 ME5SA4**	**C512_4.5 S5 MX5SB4**	142	**C512_4.5 P160 BE160M4**	**C512_4.5 P160 BX160MB4**	143
397	253	2.6	3.7	7760	**C612_3.7 S5 ME5SA4**	**C612_3.7 S5 MX5SB4**	146	**C612_3.7 P160 BE160M4**	**C612_3.7 P160 BX160MB4**	147
444	226	1.9	3.3	5340	**C512_3.3 S5 ME5SA4**	**C512_3.3 S5 MX5SB4**	142	**C512_3.3 P160 BE160M4**	**C512_3.3 P160 BX160MB4**	143
521	193	3.4	2.8	7240	**C612_2.8 S5 ME5SA4**	**C612_2.8 S5 MX5SB4**	146	**C612_2.8 P160 BE160M4**	**C612_2.8 P160 BX160MB4**	147
522	191	2.3	5.6	5140	**C512_5.6 S5 ME5SA2**		142	**C512_5.6 P160 BE160MA2**		143
559	180	2.2	2.6	5080	**C512_2.6 S5 ME5SA4**	**C512_2.6 S5 MX5SB4**	142	**C512_2.6 P160 BE160M4**	**C512_2.6 P160 BX160MB4**	143
660	151	2.9	4.5	4870	**C512_4.5 S5 ME5SA2**		142	**C512_4.5 P160 BE160MA2**		143

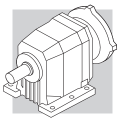
15 kW

n2	M2	S	i	Rn2	IE2	IE3		IE2 (IEC)	IE3 (IEC)	
min-1	Nm			N						
12.2	10984	1.1	120.5	83800	**C1003_120.5 S5 ME5LA4**	**C1003_120.5 S5 MX5LA4**	159	**C1003_120.5 P160 BE160L4**	**C1003_120.5 P160 BX160LA4**	160
13.1	10199	1.2	111.9	83300	**C1003_111.9 S5 ME5LA4**	**C1003_111.9 S5 MX5LA4**	159	**C1003_111.9 P160 BE160L4**	**C1003_111.9 P160 BX160LA4**	160
14.7	9096	1.3	99.8	82700	**C1003_99.8 S5 ME5LA4**	**C1003_99.8 S5 MX5LA4**	159	**C1003_99.8 P160 BE160L4**	**C1003_99.8 P160 BX160LA4**	160
15.9	8446	1.4	92.7	82400	**C1003_92.7 S5 ME5LA4**	**C1003_92.7 S5 MX5LA4**	159	**C1003_92.7 P160 BE160L4**	**C1003_92.7 P160 BX160LA4**	160
17.2	7798	1.5	85.6	81500	**C1003_85.6 S5 ME5LA4**	**C1003_85.6 S5 MX5LA4**	159	**C1003_85.6 P160 BE160L4**	**C1003_85.6 P160 BX160LA4**	160
18.1	7402	1.0	81.2	44300	**C903_81.2 S5 ME5LA4**	**C903_81.2 S5 MX5LA4**	156	**C903_81.2 P160 BE160L4**	**C903_81.2 P160 BX160LA4**	157
18.5	7241	1.7	79.4	81000	**C1003_79.4 S5 ME5LA4**	**C1003_79.4 S5 MX5LA4**	159	**C1003_79.4 P160 BE160L4**	**C1003_79.4 P160 BX160LA4**	160
19.7	6785	1.0	74.4	44800	**C903_74.4 S5 ME5LA4**	**C903_74.4 S5 MX5LA4**	156	**C903_74.4 P160 BE160L4**	**C903_74.4 P160 BX160LA4**	157
21.2	6328	1.9	69.4	79500	**C1003_69.4 S5 ME5LA4**	**C1003_69.4 S5 MX5LA4**	159	**C1003_69.4 P160 BE160L4**	**C1003_69.4 P160 BX160LA4**	160
22.8	5886	1.2	64.6	44500	**C903_64.6 S5 ME5LA4**	**C903_64.6 S5 MX5LA4**	156	**C903_64.6 P160 BE160L4**	**C903_64.6 P160 BX160LA4**	157
22.8	5876	2.0	64.5	78600	**C1003_64.5 S5 ME5LA4**	**C1003_64.5 S5 MX5LA4**	159	**C1003_64.5 P160 BE160L4**	**C1003_64.5 P160 BX160LA4**	160
24.8	5396	1.3	59.2	44400	**C903_59.2 S5 ME5LA4**	**C903_59.2 S5 MX5LA4**	156	**C903_59.2 P160 BE160L4**	**C903_59.2 P160 BX160LA4**	157
25.6	5227	2.3	57.4	77400	**C1003_57.4 S5 ME5LA4**	**C1003_57.4 S5 MX5LA4**	159	**C1003_57.4 P160 BE160L4**	**C1003_57.4 P160 BX160LA4**	160
26.8	5001	1.4	54.9	44300	**C903_54.9 S5 ME5LA4**	**C903_54.9 S5 MX5LA4**	156	**C903_54.9 P160 BE160L4**	**C903_54.9 P160 BX160LA4**	157
27.6	4854	2.5	53.3	76200	**C1003_53.3 S5 ME5LA4**	**C1003_53.3 S5 MX5LA4**	159	**C1003_53.3 P160 BE160L4**	**C1003_53.3 P160 BX160LA4**	160
29.2	4584	1.5	50.3	44100	**C903_50.3 S5 ME5LA4**	**C903_50.3 S5 MX5LA4**	156	**C903_50.3 P160 BE160L4**	**C903_50.3 P160 BX160LA4**	157



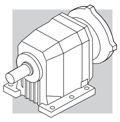
15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
32	4213	2.8	46.2	74500	**C1003_46.2 S5 ME5LA4**	**C1003_46.2 S5 MX5LA4**	159	**C1003_46.2 P160 BE160L4**	**C1003_46.2 P160 BX160LA4**	160
34	3964	1.0	43.5	30300	**C803_43.5 S5 ME5LA4**	**C803_43.5 S5 MX5LA4**	153	**C803_43.5 P160 BE160L4**	**C803_43.5 P160 BX160LA4**	154
34	3918	1.8	43.0	44100	**C903_43.0 S5 ME5LA4**	**C903_43.0 S5 MX5LA4**	156	**C903_43.0 P160 BE160L4**	**C903_43.0 P160 BX160LA4**	157
37	3591	2.0	39.4	43000	**C903_39.4 S5 ME5LA4**	**C903_39.4 S5 MX5LA4**	156	**C903_39.4 P160 BE160L4**	**C903_39.4 P160 BX160LA4**	157
38	3641	0.9	39.1	27300	**C802_39.1 S5 ME5LA4**	**C802_39.1 S5 MX5LA4**	153	**C802_39.1 P160 BE160L4**	**C802_39.1 P160 BX160LA4**	154
42	3268	1.7	35.1	42200	**C902_35.1 S5 ME5LA4**	**C902_35.1 S5 MX5LA4**	156	**C902_35.1 P160 BE160L4**	**C902_35.1 P160 BX160LA4**	157
47	2917	1.3	31.3	27500	**C802_31.3 S5 ME5LA4**	**C802_31.3 S5 MX5LA4**	153	**C802_31.3 P160 BE160L4**	**C802_31.3 P160 BX160LA4**	154
50	2740	2.2	29.4	41100	**C902_29.4 S5 ME5LA4**	**C902_29.4 S5 MX5LA4**	156	**C902_29.4 P160 BE160L4**	**C902_29.4 P160 BX160LA4**	157
54	2530	2.2	27.2	40700	**C902_27.2 S5 ME5LA4**	**C902_27.2 S5 MX5LA4**	156	**C902_27.2 P160 BE160L4**	**C902_27.2 P160 BX160LA4**	157
57	2416	1.5	25.9	27100	**C802_25.9 S5 ME5LA4**	**C802_25.9 S5 MX5LA4**	153	**C802_25.9 P160 BE160L4**	**C802_25.9 P160 BX160LA4**	154
59	2311	2.9	24.8	40000	**C902_24.8 S5 ME5LA4**	**C902_24.8 S5 MX5LA4**	156	**C902_24.8 P160 BE160L4**	**C902_24.8 P160 BX160LA4**	157
61	2230	1.6	24.0	26900	**C802_24.0 S5 ME5LA4**	**C802_24.0 S5 MX5LA4**	153	**C802_24.0 P160 BE160L4**	**C802_24.0 P160 BX160LA4**	154
64	2134	2.9	22.9	39500	**C902_22.9 S5 ME5LA4**	**C902_22.9 S5 MX5LA4**	156	**C902_22.9 P160 BE160L4**	**C902_22.9 P160 BX160LA4**	157
64	2128	1.0	22.9	15400	**C702_22.9 S5 ME5LA4**	**C702_22.9 S5 MX5LA4**	150	**C702_22.9 P160 BE160L4**	**C702_22.9 P160 BX160LA4**	151
66	2071	1.8	22.2	26600	**C802_22.2 S5 ME5LA4**	**C802_22.2 S5 MX5LA4**	153	**C802_22.2 P160 BE160L4**	**C802_22.2 P160 BX160LA4**	154
72	1912	1.9	20.5	26200	**C802_20.5 S5 ME5LA4**	**C802_20.5 S5 MX5LA4**	153	**C802_20.5 P160 BE160L4**	**C802_20.5 P160 BX160LA4**	154
73	1884	3.5	20.2	38500	**C902_20.2 S5 ME5LA4**	**C902_20.2 S5 MX5LA4**	156	**C902_20.2 P160 BE160L4**	**C902_20.2 P160 BX160LA4**	157
76	1795	1.2	19.3	15600	**C702_19.3 S5 ME5LA4**	**C702_19.3 S5 MX5LA4**	150	**C702_19.3 P160 BE160L4**	**C702_19.3 P160 BX160LA4**	151
81	1681	2.2	18.1	25800	**C802_18.1 S5 ME5LA4**	**C802_18.1 S5 MX5LA4**	153	**C802_18.1 P160 BE160L4**	**C802_18.1 P160 BX160LA4**	154
88	1555	1.3	16.7	15400	**C702_16.7 S5 ME5LA4**	**C702_16.7 S5 MX5LA4**	150	**C702_16.7 P160 BE160L4**	**C702_16.7 P160 BX160LA4**	151
88	1551	2.3	16.7	25500	**C802_16.7 S5 ME5LA4**	**C802_16.7 S5 MX5LA4**	153	**C802_16.7 P160 BE160L4**	**C802_16.7 P160 BX160LA4**	154
92	1483	0.9	15.9	9350	**C612_15.9 S5 ME5LA4**	**C612_15.9 S5 MX5LA4**	146	**C612_15.9 P160 BE160L4**	**C612_15.9 P160 BX160LA4**	147
96	1428	1.5	15.3	15400	**C702_15.3 S5 ME5LA4**	**C702_15.3 S5 MX5LA4**	150	**C702_15.3 P160 BE160L4**	**C702_15.3 P160 BX160LA4**	151
99	1388	2.7	14.9	25000	**C802_14.9 S5 ME5LA4**	**C802_14.9 S5 MX5LA4**	153	**C802_14.9 P160 BE160L4**	**C802_14.9 P160 BX160LA4**	154
102	1336	1.0	14.3	9280	**C612_14.3 S5 ME5LA4**	**C612_14.3 S5 MX5LA4**	146	**C612_14.3 P160 BE160L4**	**C612_14.3 P160 BX160LA4**	147
104	1312	1.6	14.1	15300	**C702_14.1 S5 ME5LA4**	**C702_14.1 S5 MX5LA4**	150	**C702_14.1 P160 BE160L4**	**C702_14.1 P160 BX160LA4**	151
107	1281	2.7	13.8	25000	**C802_13.8 S5 ME5LA4**	**C802_13.8 S5 MX5LA4**	153	**C802_13.8 P160 BE160L4**	**C802_13.8 P160 BX160LA4**	154
113	1213	1.7	13.0	15200	**C702_13.0 S5 ME5LA4**	**C702_13.0 S5 MX5LA4**	150	**C702_13.0 P160 BE160L4**	**C702_13.0 P160 BX160LA4**	151
122	1126	1.2	12.1	9270	**C612_12.1 S5 ME5LA4**	**C612_12.1 S5 MX5LA4**	146	**C612_12.1 P160 BE160L4**	**C612_12.1 P160 BX160LA4**	147
131	1044	2.1	11.2	14700	**C702_11.2 S5 ME5LA4**	**C702_11.2 S5 MX5LA4**	150	**C702_11.2 P160 BE160L4**	**C702_11.2 P160 BX160LA4**	151
135	1014	1.3	10.9	9140	**C612_10.9 S5 ME5LA4**	**C612_10.9 S5 MX5LA4**	146	**C612_10.9 P160 BE160L4**	**C612_10.9 P160 BX160LA4**	147
144	950	2.2	10.2	14600	**C702_10.2 S5 ME5LA4**	**C702_10.2 S5 MX5LA4**	150	**C702_10.2 P160 BE160L4**	**C702_10.2 P160 BX160LA4**	151
150	914	1.5	9.8	9090	**C612_9.8 S5 ME5LA4**	**C612_9.8 S5 MX5LA4**	146	**C612_9.8 P160 BE160L4**	**C612_9.8 P160 BX160LA4**	147
154	887	2.4	9.5	14400	**C702_9.5 S5 ME5LA4**	**C702_9.5 S5 MX5LA4**	150	**C702_9.5 P160 BE160L4**	**C702_9.5 P160 BX160LA4**	151
166	823	1.6	8.8	8930	**C612_8.8 S5 ME5LA4**	**C612_8.8 S5 MX5LA4**	146	**C612_8.8 P160 BE160L4**	**C612_8.8 P160 BX160LA4**	147
184	745	2.8	8.0	14200				**C702_8.0 P160 BE160L4**	**C702_8.0 P160 BX160LA4**	151
196	697	1.9	7.5	8760	**C612_7.5 S5 ME5LA4**	**C612_7.5 S5 MX5LA4**	146	**C612_7.5 P160 BE160L4**	**C612_7.5 P160 BX160LA4**	147
197	695	3.0	7.5	14000	**C702_7.5 S5 ME5LA4**	**C702_7.5 S5 MX5LA4**	150	**C702_7.5 P160 BE160L4**	**C702_7.5 P160 BX160LA4**	151
210	650	1.0	7.0	5800	**C512_7.0 S5 ME5LA4**	**C512_7.0 S5 MX5LA4**	142	**C512_7.0 P160 BE160L4**	**C512_7.0 P160 BX160LA4**	143
218	628	2.2	6.7	8570	**C612_6.7 S5 ME5LA4**	**C612_6.7 S5 MX5LA4**	146	**C612_6.7 P160 BE160L4**	**C612_6.7 P160 BX160LA4**	147
224	608	1.2	13.1	5760	**C512_13.1 S5 ME5SB2**		142	**C512_13.1 P160 BE160MB2**		143
243	560	2.4	12.1	8430	**C612_12.1 S5 ME5SB2**		146	**C612_12.1 P160 BE160MB2**		147
245	559	1.2	6.0	8130	**C612_6.0 S5 ME5LA4**	**C612_6.0 S5 MX5LA4**	146	**C612_6.0 P160 BE160L4**	**C612_6.0 P160 BX160LA4**	147
248	548	1.4	11.8	5720	**C512_11.8 S5 ME5SB2**		142	**C512_11.8 P160 BE160MB2**		143
270	504	2.7	10.9	8230	**C612_10.9 S5 ME5SB2**		146	**C612_10.9 P160 BE160MB2**		147
299	454	3.0	9.8	8090	**C612_9.8 S5 ME5SB2**		146	**C612_9.8 P160 BE160MB2**		147
301	451	1.5	9.8	5570	**C512_9.8 S5 ME5SB2**		142	**C512_9.8 P160 BE160MB2**		143
323	424	1.6	4.6	7690	**C612_4.6 S5 ME5LA4**	**C612_4.6 S5 MX5LA4**	146	**C612_4.6 P160 BE160L4**	**C612_4.6 P160 BX160LA4**	147
330	415	1.0	4.5	5250	**C512_4.5 S5 ME5LA4**	**C512_4.5 S5 MX5LA4**	142	**C512_4.5 P160 BE160L4**	**C512_4.5 P160 BX160LA4**	143
333	409	3.3	8.8	7880	**C612_8.8 S5 ME5SB2**		146	**C612_8.8 P160 BE160MB2**		147
334	407	1.7	8.8	5490	**C512_8.8 S5 ME5SB2**		142	**C512_8.8 P160 BE160MB2**		143
379	359	1.8	7.8	5370	**C512_7.8 S5 ME5SB2**		142	**C512_7.8 P160 BE160MB2**		143
397	344	1.9	3.7	7370	**C612_3.7 S5 ME5LA4**	**C612_3.7 S5 MX5LA4**	146	**C612_3.7 P160 BE160L4**	**C612_3.7 P160 BX160LA4**	147
421	323	1.9	7.0	5280	**C512_7.0 S5 ME5SB2**		142	**C512_7.0 P160 BE160MB2**		143
444	308	1.4	3.3	5080	**C512_3.3 S5 ME5LA4**	**C512_3.3 S5 MX5LA4**	142	**C512_3.3 P160 BE160L4**	**C512_3.3 P160 BX160LA4**	143
490	278	2.4	6.0	7030	**C612_6.0 S5 ME5SB2**		146	**C612_6.0 P160 BE160MB2**		147
521	263	2.5	2.8	6940	**C612_2.8 S5 ME5LA4**	**C612_2.8 S5 MX5LA4**	146	**C612_2.8 P160 BE160L4**	**C612_2.8 P160 BX160LA4**	147
522	261	1.7	5.6	4840	**C512_5.6 S5 ME5SB2**		142	**C512_5.6 P160 BE160MB2**		143
559	245	1.6	2.6	4940	**C512_2.6 S5 ME5LA4**	**C512_2.6 S5 MX5LA4**	142	**C512_2.6 P160 BE160L4**	**C512_2.6 P160 BX160LA4**	143
645	211	3.2	4.6	6580	**C612_4.6 S5 ME5SB2**		146	**C612_4.6 P160 BE160MB2**		147
660	206	2.1	4.5	4630	**C512_4.5 S5 ME5SB2**		142	**C512_4.5 P160 BE160MB2**		143
889	153	2.7	3.3	4330	**C512_3.3 S5 ME5SB2**		142	**C512_3.3 P160 BE160MB2**		143
1118	122	3.3	2.6	4100	**C512_2.6 S5 ME5SB2**		142	**C512_2.6 P160 BE160MB2**		143



18.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
13.1	12489	1.0	111.9	76600				C1003_111.9 P180 BE180M4	C1003_111.9 P180 BX180M4	160
14.7	11138	1.1	99.8	76700				C1003_99.8 P180 BE180M4	C1003_99.8 P180 BX180M4	160
15.9	10342	1.2	92.7	76700				C1003_92.7 P180 BE180M4	C1003_92.7 P180 BX180M4	160
17.2	9548	1.3	85.6	76400				C1003_85.6 P180 BE180M4	C1003_85.6 P180 BX180M4	160
18.5	8866	1.4	79.4	76100				C1003_79.4 P180 BE180M4	C1003_79.4 P180 BX180M4	160
21.2	7748	1.5	69.4	75400				C1003_69.4 P180 BE180M4	C1003_69.4 P180 BX180M4	160
22.8	7207	1.0	64.6	40300				C903_64.6 P180 BE180M4	C903_64.6 P180 BX180M4	157
22.8	7195	1.7	64.5	74800				C1003_64.5 P180 BE180M4	C1003_64.5 P180 BX180M4	160
24.8	6607	1.1	59.2	40500				C903_59.2 P180 BE180M4	C903_59.2 P180 BX180M4	157
25.6	6400	1.9	57.4	73700				C1003_57.4 P180 BE180M4	C1003_57.4 P180 BX180M4	160
26.8	6124	1.2	54.9	40700				C903_54.9 P180 BE180M4	C903_54.9 P180 BX180M4	157
27.6	5943	2.0	53.3	73100				C1003_53.3 P180 BE180M4	C1003_53.3 P180 BX180M4	160
29.2	5614	1.3	50.3	40700				C903_50.3 P180 BE180M4	C903_50.3 P180 BX180M4	157
32	5159	2.3	46.2	71600				C1003_46.2 P180 BE180M4	C1003_46.2 P180 BX180M4	160
34	4797	1.5	43.0	40600				C903_43.0 P180 BE180M4	C903_43.0 P180 BX180M4	157
34	4790	2.5	42.9	70800				C1003_42.9 P180 BE180M4	C1003_42.9 P180 BX180M4	160
37	4397	1.6	39.4	40500				C903_39.4 P180 BE180M4	C903_39.4 P180 BX180M4	157
40	4122	2.9	36.9	69000				C1003_36.9 P180 BE180M4	C1003_36.9 P180 BX180M4	160
42	4001	1.3	35.1	39800				C902_35.1 P180 BE180M4	C902_35.1 P180 BX180M4	157
43	3828	3.1	34.3	68100				C1003_34.3 P180 BE180M4	C1003_34.3 P180 BX180M4	160
47	3572	1.0	31.3	25000				C802_31.3 P180 BE180M4	C802_31.3 P180 BX180M4	154
50	3298	2.8	29.6	65800				C1002_29.6 P180 BE180M4	C1002_29.6 P180 BX180M4	160
50	3356	1.8	29.4	39100				C902_29.4 P180 BE180M4	C902_29.4 P180 BX180M4	157
54	3098	1.8	27.2	38800				C902_27.2 P180 BE180M4	C902_27.2 P180 BX180M4	157
57	2958	1.3	25.9	25300				C802_25.9 P180 BE180M4	C802_25.9 P180 BX180M4	154
59	2830	2.3	24.8	38400				C902_24.8 P180 BE180M4	C902_24.8 P180 BX180M4	157
61	2731	1.3	24.0	25000				C802_24.0 P180 BE180M4	C802_24.0 P180 BX180M4	154
64	2613	2.4	22.9	37900				C902_22.9 P180 BE180M4	C902_22.9 P180 BX180M4	157
66	2536	1.5	22.2	25100				C802_22.2 P180 BE180M4	C802_22.2 P180 BX180M4	154
72	2341	1.5	20.5	24900				C802_20.5 P180 BE180M4	C802_20.5 P180 BX180M4	154
73	2307	2.9	20.2	37200				C902_20.2 P180 BE180M4	C902_20.2 P180 BX180M4	157
76	2198	1.0	19.3	14100				C702_19.3 P180 BE180M4	C702_19.3 P180 BX180M4	151
79	2130	2.9	18.7	36700				C902_18.7 P180 BE180M4	C902_18.7 P180 BX180M4	157
81	2058	1.8	18.1	24700				C802_18.1 P180 BE180M4	C802_18.1 P180 BX180M4	154
85	1973	3.3	17.3	36200				C902_17.3 P180 BE180M4	C902_17.3 P180 BX180M4	157
88	1904	1.1	16.7	13800				C702_16.7 P180 BE180M4	C702_16.7 P180 BX180M4	151
88	1900	1.8	16.7	24400				C802_16.7 P180 BE180M4	C802_16.7 P180 BX180M4	154
96	1748	1.2	15.3	13800				C702_15.3 P180 BE180M4	C702_15.3 P180 BX180M4	151
99	1700	2.2	14.9	24000				C802_14.9 P180 BE180M4	C802_14.9 P180 BX180M4	154
104	1607	1.3	14.1	13900				C702_14.1 P180 BE180M4	C702_14.1 P180 BX180M4	151
107	1569	2.2	13.8	23700				C802_13.8 P180 BE180M4	C802_13.8 P180 BX180M4	154
113	1485	1.4	13.0	13800				C702_13.0 P180 BE180M4	C702_13.0 P180 BX180M4	151
122	1378	1.0	12.1	8420				C612_12.1 P180 BE180M4	C612_12.1 P180 BX180M4	147
122	1370	2.7	12.0	23500				C802_12.0 P180 BE180M4	C802_12.0 P180 BX180M4	154
131	1278	1.7	11.2	13800				C702_11.2 P180 BE180M4	C702_11.2 P180 BX180M4	151
133	1265	2.8	11.1	22900				C802_11.1 P180 BE180M4	C802_11.1 P180 BX180M4	154
135	1241	1.1	10.9	8360				C612_10.9 P180 BE180M4	C612_10.9 P180 BX180M4	147
144	1164	1.8	10.2	13700				C702_10.2 P180 BE180M4	C702_10.2 P180 BX180M4	151
150	1119	1.2	9.8	8400				C612_9.8 P180 BE180M4	C612_9.8 P180 BX180M4	147
154	1086	2.0	9.5	13600				C702_9.5 P180 BE180M4	C702_9.5 P180 BX180M4	151
166	1008	1.3	8.8	8300				C612_8.8 P180 BE180M4	C612_8.8 P180 BX180M4	147
184	912	2.3	8.0	13500				C702_8.0 P180 BE180M4	C702_8.0 P180 BX180M4	151
196	853	1.6	7.5	8230				C612_7.5 P180 BE180M4	C612_7.5 P180 BX180M4	147
197	850	2.4	7.5	13400				C702_7.5 P180 BE180M4	C702_7.5 P180 BX180M4	151
218	768	1.8	6.7	8090				C612_6.7 P180 BE180M4	C612_6.7 P180 BX180M4	147
235	713	2.7	6.3	13300				C702_6.3 P180 BE180M4	C702_6.3 P180 BX180M4	151
245	684	1.0	6.0	7550				C612_6.0 P180 BE180M4	C612_6.0 P180 BX180M4	147

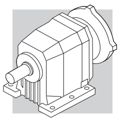


18.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
251	667	2.8	5.9	13200				**C702_5.9 P180 BE180M4**	**C702_5.9 P180 BX180M4**	151
270	621	2.2	10.9	7840	**C612_10.9 S5 ME5LA2**		146	**C612_10.9 P160 BE160L2**		147
300	560	2.4	9.8	7740	**C612_9.8 S5 ME5LA2**		146	**C612_9.8 P160 BE160L2**		147
302	556	1.2	9.8	5190	**C512_9.8 S5 ME5LA2**		142	**C512_9.8 P160 BE160L2**		143
322	521	3.3	4.6	13000				**C702_4.6 P180 BE180M4**	**C702_4.6 P180 BX180M4**	151
323	519	1.3	4.6	7300				**C612_4.6 P180 BE180M4**	**C612_4.6 P180 BX180M4**	147
333	504	2.7	8.8	7570	**C612_8.8 S5 ME5LA2**		146	**C612_8.8 P160 BE160L2**		147
335	501	1.4	8.8	5160	**C512_8.8 S5 ME5LA2**		142	**C512_8.8 P160 BE160L2**		143
380	442	1.4	7.8	5070	**C512_7.8 S5 ME5LA2**		142	**C512_7.8 P160 BE160L2**		143
393	427	3.2	7.5	7350	**C612_7.5 S5 ME5LA2**		146	**C612_7.5 P160 BE160L2**		147
397	422	1.6	3.7	7060				**C612_3.7 P180 BE180M4**	**C612_3.7 P180 BX180M4**	147
422	398	1.6	7.0	5010	**C512_7.0 S5 ME5LA2**		142	**C512_7.0 P160 BE160L2**		143
437	384	3.5	6.7	7170	**C612_6.7 S5 ME5LA2**		146	**C612_6.7 P160 BE160L2**		147
444	377	1.1	3.3	4750				**C512_3.3 P180 BE180M4**	**C512_3.3 P180 BX180M4**	143
491	342	1.9	6.0	6780	**C612_6 S5 ME5LA2**		146	**C612_6.0 P160 BE160L2**		147
521	321	2.1	2.8	6700				**C612_2.8 P180 BE180M4**		147
523	321	1.4	5.6	4580	**C512_5.6 S5 ME5LA2**		142	**C512_5.6 P160 BE160L2**		143
559	300	1.3	2.6	4600				**C512_2.6 P180 BE180M4**	**C512_2.6 P180 BX180M4**	143
646	260	2.6	4.6	6390	**C612_4.6 S5 ME5LA2**		146	**C612_4.6 P160 BE160L2**		147
661	254	1.7	4.5	4420	**C512_4.5 S5 ME5LA2**		142	**C512_4.5 P160 BE160L2**		143
796	211	3.2	3.7	6080	**C612_3.7 S5 ME5LA2**		146	**C612_3.7 P160 BE160L2**		147
890	188	2.2	3.3	4180	**C512_3.3 S5 ME5LA2**		142	**C512_3.3 P160 BE160L2**		143
1120	150	2.7	2.6	3980	**C512_2.6 S5 ME5LA2**		142	**C512_2.6 P160 BE160L2**		143

22 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
14.7	13273	0.9	99.8	70600				**C1003_99.8 P180 BE180L4**	**C1003_99.8 P180 BX180L4**	160
15.9	12325	1.0	92.7	70900				**C1003_92.7 P180 BE180L4**	**C1003_92.7 P180 BX180L4**	160
17.2	11378	1.1	85.6	71100				**C1003_85.6 P180 BE180L4**	**C1003_85.6 P180 BX180L4**	160
18.5	10565	1.1	79.4	71200				**C1003_79.4 P180 BE180L4**	**C1003_79.4 P180 BX180L4**	160
21.2	9233	1.3	69.4	71000				**C1003_69.4 P180 BE180L4**	**C1003_69.4 P180 BX180L4**	160
22.8	8574	1.4	64.5	70800				**C1003_64.5 P180 BE180L4**	**C1003_64.5 P180 BX180L4**	160
24.8	7873	0.9	59.2	36700				**C903_59.2 P180 BE180L4**	**C903_59.2 P180 BX180L4**	157
25.6	7627	1.6	57.4	70300				**C1003_57.4 P180 BE180L4**	**C1003_57.4 P180 BX180L4**	160
26.8	7298	1.0	54.9	36000				**C903_54.9 P180 BE180L4**	**C903_54.9 P180 BX180L4**	157
27.6	7082	1.7	53.3	69800				**C1003_53.3 P180 BE180L4**	**C1003_53.3 P18 0BX180L4**	160
29.2	6690	1.1	50.3	37400				**C903_50.3 P180 BE180L4**	**C903_50.3 P180 BX180L4**	157
32	6147	2.0	46.2	68800				**C1003_46.2 P180 BE180L4**	**C1003_46.2 P180 BX180L4**	160
34	5716	1.3	43.0	37500				**C903_43.0 P180 BE180L4**	**C903_43.0 P180 BX180L4**	157
34	5708	2.1	42.9	68100				**C1003_42.9 P180 BE180L4**	**C1003_42.9 P180 BX180L4**	160
37	5240	1.4	39.4	37500				**C903_39.4 P180 BE180L4**	**C903_39.4 P180 BX180L4**	157
40	4912	2.4	36.9	66700				**C1003_36.9 P180 BE180L4**	**C1003_36.9 P180 BX180L4**	160
42	4768	1.1	35.1	37400				**C902_35.1 P180 BE180L4**	**C902_35.1 P180 BX180L4**	157
43	4561	2.6	34.3	65900				**C1003_34.3 P180 BE180L4**	**C1003_34.3 P180 BX180L4**	160
50	3931	2.3	29.6	64100				**C1002_29.6 P180 BE180L4**	**C1002_29.6 P180 BX180L4**	160
50	3999	1.5	29.4	37100				**C902_29.4 P180 BE180L4**	**C902_29.4 P180 BX180L4**	157
54	3691	1.5	27.2	36900				**C902_27.2 P180 BE180L4**	**C902_27.2 P180 BX180L4**	157
57	3525	1.0	25.9	23000				**C802_25.9 P180 BE180L4**	**C802_25.9 P180 BX180L4**	154
59	3373	2.0	24.8	36600				**C902_24.8 P180 BE180L4**	**C902_24.8 P180 BX180L4**	157
61	3254	1.1	24.0	23700				**C802_24.0 P180 BE180L4**	**C802_24.0 P180 BX180L4**	154
64	3113	2.0	22.9	36400				**C902_22.9 P180 BE180L4**	**C902_22.9 P180 BX180L4**	157
66	3022	1.2	22.2	23500				**C802_22.2 P180 BE180L4**	**C802_22.2 P180 BX180L4**	154
72	2789	1.3	20.5	23400				**C802_20.5 P180 BE180L4**	**C802_20.5 P180 BX180L4**	154
73	2749	2.4	20.2	35800				**C902_20.2 P180 BE180L4**	**C902_20.2 P180 BX180L4**	157
79	2538	2.4	18.7	35400				**C902_18.7 P180 BE180L4**	**C902_18.7 P180 BX180L4**	157
81	2452	1.5	18.1	23300				**C802_18.1 P180 BE180L4**	**C802_18.1 P180 BX180L4**	154



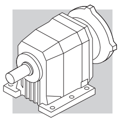
22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
85	2352	2.8	17.3	34900				C902_17.3 P180 BE180L4	C902_17.3 P180 BX180L4	157
88	2269	0.9	16.7	12400				C702_16.7 P180 BE180L4	C702_16.7 P180 BX180L4	151
88	2264	1.5	16.7	23100				C802_16.7 P180 BE180L4	C802_16.7 P180 BX180L4	154
92	2171	2.9	16.0	34600				C902_16.0 P180 BE180L4	C902_16.0 P180 BX180L4	157
96	2083	1.0	15.3	12400				C702_15.3 P180 BE180L4	C702_15.3 P180 BX180L4	151
99	2026	1.8	14.9	22900				C802_14.9 P180 BE180L4	C802_14.9 P180 BX180L4	154
104	1915	1.1	14.1	12700				C702_14.1 P180 BE180L4	C702_14.1 P180 BX180L4	151
106	1882	3.2	13.9	33700				C902_13.9 P180 BE180L4	C902_13.9 P180 BX180L4	157
107	1870	1.9	13.8	22700				C802_13.8 P180 BE180L4	C802_13.8 P180 BX180L4	154
113	1770	1.2	13.0	12700				C702_13.0 P180 BE180L4	C702_13.0 P180 BX180L4	151
122	1633	2.3	12.0	22500				C802_12.0 P180 BE180L4	C802_12.0 P180 BX180L4	154
131	1523	1.4	11.2	12900				C702_11.2 P180 BE180L4	C702_11.2 P180 BX180L4	151
133	1507	2.3	11.1	22100				C802_11.1 P180 BE180L4	C802_11.1 P180 BX180L4	154
135	1479	0.9	10.9	7580				C612_10.9 P180 BE180L4	C612_10.9 P180 BX180L4	147
144	1387	1.5	10.2	12800				C702_10.2 P180 BE180L4	C702_10.2 P180 BX180L4	151
150	1334	1.0	9.8	7710				C612_9.8 P180 BE180L4	C612_9.8 P180 BX180L4	147
153	1305	2.8	9.6	21900				C802_9.6 P180 BE180L4	C802_9.6 P180 BX180L4	154
154	1294	1.7	9.5	12800				C702_9.5 P180 BE180L4	C702_9.5 P180 BX180L4	151
166	1204	2.9	8.9	21300				C802_8.9 P180 BE180L4	C802_8.9 P180 BX180L4	154
166	1201	1.1	8.8	7660				C612_8.8 P180 BE180L4	C612_8.8 P180 BX180L4	147
184	1087	1.9	8.0	12700				C702_8.0 P180 BE180L4	C702_8.0 P180 BX180L4	151
196	1017	1.3	7.5	7690				C612_7.5 P180 BE180L4	C612_7.5 P180 BX180L4	147
197	1013	2.0	7.5	12700				C702_7.5 P180 BE180L4	C702_7.5 P180 BX180L4	151
218	916	1.5	6.7	7600				C612_6.7 P180 BE180L4	C612_6.7 P180 BX180L4	147
235	850	2.3	6.3	12500				C702_6.3 P180 BE180L4	C702_6.3 P180 BX180L4	151
251	795	2.4	5.9	12300				C702_5.9 P180 BE180L4	C702_5.9 P180 BX180L4	151
322	621	2.7	4.6	11900				C702_4.6 P180 BE180L4	C702_4.6 P180 BX180L4	151
323	619	1.1	4.6	6910				C612_4.6 P180 BE180L4	C612_4.6 P180 BX180L4	147
397	503	1.3	3.7	6740				C612_3.7 P180 BE180L4	C612_3.7 P180 BX180L4	147
444	449	0.9	3.3	4350				C512_3.3 P180 BE180L4	C512_3.3 P180 BX180L4	143
521	383	1.7	2.8	6450				C612_2.8 P180 BE180L4	C612_2.8 P180 BX180L4	147
559	357	1.1	2.6	4290				C512_2.6 P180 BE180L4	C512_2.6 P180 BX180L4	143

30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE...	
21.2	12584	1.0	69.4	61300			C1003_69.4 P200 IEC200L4	163
25.6	10395	1.2	57.4	62200			C1003_57.4 P200 IEC200L4	163
32	8379	1.4	46.2	62300			C1003_46.2 P200 IEC200L4	163
37	7142	1.0	39.4	31900			C903_39.4 P200 IEC200L4	160
50	5472	1.7	29.6	59800			C1002_29.6 P200 IEC200L4	163
50	5450	1.1	29.4	32600			C902_29.4 P200 IEC200L4	160
64	4243	1.5	22.9	32900			C902_22.9 P200 IEC200L4	160
66	4119	2.4	22.2	57700			C1002_22.2 P200 IEC200L4	163
79	3459	1.8	18.7	32600			C902_18.7 P200 IEC200L4	160
79	3456	3.1	18.7	56000			C1002_18.7 P200 IEC200L4	163
99	2761	1.3	14.9	20600			C802_14.9 P200 IEC200L4	157
106	2566	2.4	13.9	31500			C902_13.9 P200 IEC200L4	160
122	2225	1.7	12.0	20500			C802_12.0 P200 IEC200L4	157
131	2079	2.7	11.2	30600			C902_11.2 P200 IEC200L4	160
153	1778	2.1	9.6	20100			C802_9.6 P200 IEC200L4	157
154	1763	1.2	9.5	11000			C702_9.5 P200 IEC200L4	154
184	1482	1.4	8.0	11600			C702_8.0 P200 IEC200L4	154
193	1412	2.4	7.6	19500			C802_7.6 P200 IEC200L4	157
209	1303	2.6	7.0	19300			C802_7.0 P200 IEC200L4	157
235	1158	1.7	6.3	11500			C702_6.3 P200 IEC200L4	154
241	1131	2.8	6.1	18900			C802_6.1 P200 IEC200L4	157
261	1044	3.0	5.6	18600			C802_5.6 P200 IEC200L4	157
322	846	2.0	4.6	11000			C702_4.6 P200 IEC200L4	154

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.



37 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
25.8	12734	0.9	57.4	55300			**C1003_57.4 P225 IEC225S4**	163
32	10264	1.2	46.2	56600			**C1003_46.2 P225 IEC225S4**	163
40	8201	1.4	36.9	57000			**C1003_36.9 P225 IEC225S4**	163
60	5631	1.2	24.8	29500			**C902_24.8 P225 IEC225S4**	160
61	5467	2.0	24.1	55200			**C1002_24.1 P225 IEC225S4**	163
79	4237	1.5	18.7	30100			**C902_18.7 P225 IEC225S4**	160
79	4234	2.5	18.7	53600			**C1002_18.7 P225 IEC225S4**	163
89	3779	0.9	16.7	18500			**C802_16.7 P225 IEC225S4**	157
107	3143	1.9	13.9	29700			**C902_13.9 P225 IEC225S4**	160
108	3122	1.1	13.8	18800			**C802_13.8 P225 IEC225S4**	157
123	2726	1.4	12.0	18800			**C802_12.0 P225 IEC225S4**	157
132	2546	2.2	11.2	29100			**C902_11.2 P225 IEC225S4**	160
154	2178	1.7	9.6	18800			**C802_9.6 P225 IEC225S4**	157
164	2046	2.5	9.0	28300			**C902_9.0 P225 IEC225S4**	160
194	1730	2.0	7.6	18500			**C802_7.6 P225 IEC225S4**	157
202	1661	2.9	7.3	27400			**C902_7.3 P225 IEC225S4**	160
242	1386	2.3	6.1	18000			**C802_6.1 P225 IEC225S4**	157
264	1271	3.5	5.6	26100			**C902_5.6 P225 IEC225S4**	160
286	1173	3.7	5.2	25700			**C902_5.2 P225 IEC225S4**	160

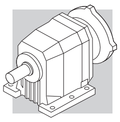
45 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
32	12483	1.0	46.2	50200			**C1003_46.2 P225 IEC225M4**	163
40	9974	1.2	36.9	51900			**C1003_36.9 P225 IEC225M4**	163
50	8153	1.1	29.6	51900			**C1002_29.6 P225 IEC225M4**	163
65	6322	1.0	22.9	26400			**C902_22.9 P225 IEC225M4**	160
67	6137	1.6	22.2	51700			**C1002_22.2 P225 IEC225M4**	163
79	5153	1.2	18.7	27200			**C902_18.7 P225 IEC225M4**	160
79	5149	2.1	18.7	51000			**C1002_18.7 P225 IEC225M4**	163
107	3822	1.6	13.9	27600			**C902_13.9 P225 IEC225M4**	160
108	3797	0.9	13.8	16700			**C802_13.8 P225 IEC225M4**	157
123	3315	1.1	12.0	17000			**C802_12.0 P225 IEC225M4**	157
132	3097	1.8	11.2	27400			**C902_11.2 P225 IEC225M4**	160
154	2649	1.4	9.6	17300			**C802_9.6 P225 IEC225M4**	157
164	2488	2.1	9.0	26900			**C902_9.0 P225 IEC225M4**	160
194	2104	1.6	7.6	17300			**C802_7.6 P225 IEC225M4**	157
202	2020	2.4	7.3	26300			**C902_7.3 P225 IEC225M4**	160
262	1556	2.0	5.6	17000			**C802_5.6 P225 IEC225M4**	157
264	1546	2.8	5.6	25200			**C902_5.6 P225 IEC225M4**	160
279	1464	2.9	5.2	25200			**C902_5.2 P225 IEC225M4**	160

55 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
40	12191	1.0	36.9	45400			**C1003_36.9 P250 IEC250M4**	163
50	9965	0.9	29.6	46700			**C1002_29.6 P250 IEC250M4**	163
61	8126	1.3	24.1	47500			**C1002_24.1 P250 IEC250M4**	163
79	6298	1.0	18.7	22200			**C902_18.7 P250 IEC250M4**	160
79	6294	1.7	18.7	47700			**C1002_18.7 P250 IEC250M4**	163
107	4672	1.3	13.9	24900			**C902_13.9 P250 IEC250M4**	160
110	4549	2.1	13.5	46500			**C1002_13.5 P250 IEC250M4**	163
135	3686	2.4	10.9	45400			**C1002_10.9 P250 IEC250M4**	163
164	3050	2.7	9.0	44100			**C1002_9.0 P250 IEC250M4**	163
164	3041	1.7	9.0	25200			**C902_9.0 P250 IEC250M4**	160
202	2468	2.0	7.3	24900			**C902_7.3 P250 IEC250M4**	160
209	2383	3.2	7.1	42300			**C1002_7.1 P250 IEC250M4**	163
264	1889	2.3	5.6	24200			**C902_5.6 P250 IEC250M4**	160
286	1744	2.5	5.2	24000			**C902_5.2 P250 IEC250M4**	160

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.



75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE...	
62	11044	1.0	24.1	38100			**C1002_24.1 P280 IEC280S4**	163
67	10194	1.0	22.2	40000			**C1002_22.2 P280 IEC280S4**	163
73	9266	1.2	20.2	40500			**C1002_20.2 P280 IEC280S4**	163
80	8553	1.3	18.7	41100			**C1002_18.7 P280 IEC280S4**	163
90	7552	1.3	16.5	41400			**C1002_16.5 P280 IEC280S4**	163
98	6971	1.4	15.2	41800			**C1002_15.2 P280 IEC280S4**	163
110	6182	1.5	13.5	41700			**C1002_13.5 P280 IEC280S4**	163
119	5707	1.6	12.5	41800			**C1002_12.5 P280 IEC280S4**	163
136	5010	1.8	10.9	41500			**C1002_10.9 P280 IEC280S4**	163
147	4624	1.9	10.1	41400			**C1002_10.1 P280 IEC280S4**	163
164	4146	2.0	9.0	40900			**C1002_9.0 P280 IEC280S4**	163
178	3827	2.1	8.4	40600			**C1002_8.4 P280 IEC280S4**	163
210	3238	2.4	7.1	39700			**C1002_7.1 P280 IEC280S4**	163
228	2989	2.5	6.5	39300			**C1002_6.5 P280 IEC280S4**	163
278	2444	2.8	5.3	38100			**C1002_5.3 P280 IEC280S4**	163
302	2256	3.0	4.9	37600			**C1002_4.9 P280 IEC280S4**	163

90 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE...	
73	11119	1.0	20.2	30600			**C1002_20.2 P280 IEC280M4**	163
80	10264	1.0	18.7	35500			**C1002_18.7 P280 IEC280M4**	163
90	9062	1.1	16.5	37100			**C1002_16.5 P280 IEC280M4**	163
98	8365	1.2	15.2	37800			**C1002_15.2 P280 IEC280M4**	160
110	7419	1.3	13.5	38100			**C1002_13.5 P280 IEC280M4**	160
119	6848	1.4	12.5	38500			**C1002_12.5 P280 IEC280M4**	163
136	6012	1.5	10.9	38600			**C1002_10.9 P280 IEC280M4**	160
147	5549	1.6	10.1	38700			**C1002_10.1 P280 IEC280M4**	163
164	4975	1.7	9.0	38500			**C1002_9.0 P280 IEC280M4**	160
178	4592	1.8	8.4	38400			**C1002_8.4 P280 IEC280M4**	163
210	3886	2.0	7.1	37800			**C1002_7.1 P280 IEC280M4**	160
228	3587	2.1	6.5	37600			**C1002_6.5 P280 IEC280M4**	157
278	2933	2.4	5.3	36600			**C1002_5.3 P280 IEC280M4**	157
302	2707	2.5	4.9	36300			**C1002_4.9 P280 IEC280M4**	154

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.

C 12 — 100 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 12 2_2.8	2.8	1012	30	3.3	750	600	506	37	2.1	990	790	
C 12 2_3.2	3.2	873	32	3.1	730	600	436	40	1.9	960	790	
C 12 2_3.7	3.7	767	34	2.9	720	610	383	42	1.8	960	800	
C 12 2_4.3	4.3	649	36	2.6	710	630	325	45	1.6	890	800	
C 12 2_4.9	4.9	575	38	2.4	710	640	288	48	1.5	880	800	
C 12 2_5.6	5.6	500	40	2.2	680	650	250	51	1.4	840	810	
C 12 2_6.2	6.2	449	42	2.1	650	660	225	53	1.3	810	830	
C 12 2_7.6	7.6	367	45	1.8	1140	1220	184	56	1.1	1300	1540	
C 12 2_8.8	8.8	317	47	1.6	1140	1280	158	59	1.0	1300	1620	
C 12 2_10.1	10.1	278	49	1.5	1150	1340	139	63	0.97	1300	1680	
C 12 2_11.9	11.9	236	53	1.4	1140	1390	118	67	0.87	1300	1760	
C 12 2_13.4	13.4	209	55	1.3	1140	1460	104	70	0.81	1300	1840	
C 12 2_15.4	15.4	182	58	1.2	1130	1500	91	73	0.73	1300	1930	125
C 12 2_17.2	17.2	163	60	1.1	1130	1590	82	76	0.68	1300	2000	
C 12 2_18.4	18.4	152	62	1.0	1120	1620	76	78	0.65	1300	2000	
C 12 2_20.6	20.6	136	65	1.0	1110	1670	68	82	0.61	1300	2000	
C 12 2_23.2	23.2	120	67	0.89	1110	1720	60	85	0.56	1300	2000	
C 12 2_25.4	25.4	110	69	0.84	1110	1800	55	88	0.54	1300	2000	
C 12 2_29.5	29.5	95	74	0.77	1100	1880	47	93	0.49	1300	2000	
C 12 2_32.8	32.8	85	75	0.71	1090	1970	43	90	0.42	1300	2000	
C 12 2_37.0	37.0	76	79	0.66	1070	2000	38	90	0.38	1300	2000	
C 12 2_42.3	42.3	66	84	0.61	1060	2000	33	100	0.36	1300	2000	
C 12 2_47.6	47.6	59	85	0.55	1050	2000	29.4	90	0.29	1300	2000	
C 12 2_55.2	55.2	51	89	0.50	1030	2000	25.4	90	0.25	1300	2000	
C 12 2_66.2	66.2	42	86	0.40	1060	2000	21.2	90	0.21	1300	2000	

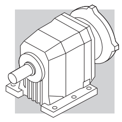
C 12 — 100 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
C 12 2_2.8	2.8	325	43	1.5	1140	910	181	53	1.1	1300	1080	
C 12 2_3.2	3.2	281	46	1.4	1100	910	156	57	1.0	1300	1080	
C 12 2_3.7	3.7	246	49	1.3	1090	920	137	60	0.91	1300	1100	
C 12 2_4.3	4.3	209	52	1.2	1050	920	116	64	0.82	1280	1100	
C 12 2_4.9	4.9	185	55	1.1	1050	960	103	67	0.76	1280	1160	
C 12 2_5.6	5.6	161	58	1.0	1000	980	89	69	0.68	1300	1280	
C 12 2_6.2	6.2	144	61	1.0	960	980	80	70	0.62	1300	1390	
C 12 2_7.6	7.6	118	65	0.85	1300	1780	66	79	0.57	1300	2000	
C 12 2_8.8	8.8	102	69	0.77	1300	1830	57	84	0.52	1300	2000	
C 12 2_10.1	10.1	89	72	0.71	1300	1950	50	88	0.48	1300	2000	
C 12 2_11.9	11.9	76	77	0.64	1300	2000	42	89	0.41	1300	2000	
C 12 2_13.4	13.4	67	81	0.60	1300	2000	37	90	0.37	1300	2000	
C 12 2_15.4	15.4	58	85	0.55	1300	2000	32	89	0.32	1300	2000	125
C 12 2_17.2	17.2	52	88	0.51	1300	2000	29.1	90	0.29	1300	2000	
C 12 2_18.4	18.4	49	88	0.47	1300	2000	27.2	89	0.27	1300	2000	
C 12 2_20.6	20.6	44	89	0.43	1300	2000	24.2	89	0.24	1300	2000	
C 12 2_23.2	23.2	39	89	0.38	1300	2000	21.5	89	0.21	1300	2000	
C 12 2_25.4	25.4	35	89	0.35	1300	2000	19.7	89	0.19	1300	2000	
C 12 2_29.5	29.5	31	100	0.34	1300	2000	16.9	100	0.19	1300	2000	
C 12 2_32.8	32.8	27.5	90	0.27	1300	2000	15.3	90	0.15	1300	2000	
C 12 2_37.0	37.0	24.3	90	0.24	1300	2000	13.5	90	0.13	1300	2000	
C 12 2_42.3	42.3	21.3	100	0.23	1300	2000	11.8	100	0.13	1300	2000	
C 12 2_47.6	47.6	18.9	90	0.19	1300	2000	10.5	90	0.10	1300	2000	
C 12 2_55.2	55.2	16.3	90	0.16	1300	2000	9.1	90	0.09	1300	2000	
C 12 2_66.2	66.2	13.6	90	0.13	1300	2000	7.6	90	0.07	1300	2000	

C 22 200 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 22 2_2.7	2.7	1029	65	7.4	—	1150	514	80	4.5	—	1460	129
C 22 2_3.3	3.3	842	68	6.3	—	1230	421	85	3.9	—	1560	
C 22 2_3.7	3.7	755	70	5.8	—	1290	378	90	3.7	—	1610	
C 22 2_4.3	4.3	658	75	5.4	—	1320	329	94	3.4	—	1650	
C 22 2_4.8	4.8	587	80	5.2	—	1370	294	100	3.2	—	1730	
C 22 2_5.6	5.6	501	82	4.5	—	1410	250	102	2.8	—	1790	
C 22 2_6.1	6.1	460	85	4.3	—	1500	230	105	2.7	—	1900	
C 22 2_7.1	7.1	395	105	4.6	1090	1570	198	130	2.8	1420	1990	
C 22 2_8.7	8.7	324	110	3.9	1130	1680	162	138	2.5	1430	2090	
C 22 2_9.6	9.6	290	115	3.7	1160	1750	145	145	2.3	1460	2200	
C 22 2_11.1	11.1	253	120	3.3	1130	1820	126	153	2.1	1390	2270	
C 22 2_12.4	12.4	226	125	3.1	1160	1900	113	160	2.0	1420	2380	
C 22 2_14.5	14.5	193	133	2.8	1090	1980	96	168	1.8	1360	2450	
C 22 2_15.8	15.8	177	140	2.7	1030	2030	88	175	1.7	1320	2570	
C 22 2_18.1	18.1	154	145	2.5	1000	2140	77	183	1.6	1250	2650	
C 22 2_20.0	20.0	140	150	2.3	1000	2210	70	190	1.5	1250	2770	
C 22 2_21.5	21.5	131	153	2.2	970	2250	65	194	1.4	1190	2820	
C 22 2_24.3	24.3	115	160	2.0	980	2350	58	200	1.3	1250	2970	
C 22 2_27.2	27.2	103	166	1.9	960	2420	52	200	1.1	1340	3110	
C 22 2_29.6	29.6	95	175	1.8	850	2490	47	200	1.0	1350	3270	
C 22 2_33.1	33.1	85	178	1.7	840	2590	42	200	0.93	1390	3400	
C 22 2_36.8	36.8	76	185	1.6	750	2690	38	200	0.84	1400	3610	
C 22 2_43.3	43.3	65	185	1.3	830	2910	32	190	0.68	1610	3950	
C 22 2_48.6	48.6	58	150	0.95	1300	3300	28.8	155	0.49	1740	4400	
C 22 2_54.7	54.7	51	150	0.85	1320	3470	25.6	155	0.44	1770	4600	
C 22 2_63.3	63.3	44	125	0.61	1400	3860	22.1	130	0.32	1820	5000	
C 22 3_60.0	60.0	47	180	0.93	840	3400	23.3	190	0.49	1230	4500	
C 22 3_65.3	65.3	43	200	0.94	880	3440	21.4	200	0.47	1270	4670	
C 22 3_74.8	74.8	37	200	0.83	940	3600	18.7	200	0.41	1270	4800	
C 22 3_82.6	82.6	34	200	0.75	1010	3820	16.9	200	0.37	1300	5000	
C 22 3_88.5	88.5	32	200	0.70	1040	3900	15.8	200	0.35	1300	5000	
C 22 3_100.2	100.2	28.0	200	0.62	1090	4160	14.0	200	0.31	1300	5000	
C 22 3_112.0	112.0	25.0	200	0.55	1130	4300	12.5	200	0.28	1300	5000	
C 22 3_122.2	122.2	22.9	200	0.51	1160	4540	11.5	200	0.25	1300	5000	
C 22 3_136.5	136.5	20.5	200	0.45	1180	4700	10.3	200	0.23	1300	5000	
C 22 3_151.7	151.7	18.5	200	0.41	1220	4980	9.2	200	0.20	1300	5000	
C 22 3_178.5	178.5	15.7	200	0.35	1260	5000	7.8	200	0.17	1300	5000	
C 22 3_200.7	200.7	14.0	190	0.29	1280	5000	7.0	190	0.15	1300	5000	
C 22 3_225.8	225.8	12.4	180	0.25	1300	5000	6.2	185	0.13	1300	5000	
C 22 3_261.0	261.0	10.7	145	0.17	1300	5000	5.4	155	0.09	1300	5000	

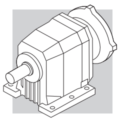
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



C 22 200 Nm

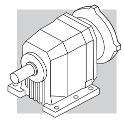
	i	n_1 = 900 min⁻¹					n_1 = 500 min⁻¹					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
C 22 2_2.7	2.7	331	95	3.5	—	1670	184	100	2.0	400	2150	
C 22 2_3.3	3.3	271	100	3.0	—	1760	150	103	1.7	570	2300	
C 22 2_3.7	3.7	243	105	2.8	—	1850	135	105	1.6	800	2430	
C 22 2_4.3	4.3	211	105	2.4	—	1980	117	105	1.4	940	2550	
C 22 2_4.8	4.8	189	105	2.2	170	2090	105	105	1.2	1200	2710	
C 22 2_5.6	5.6	161	105	1.9	200	2250	89	112	1.1	1020	2850	
C 22 2_6.1	6.1	148	110	1.8	200	2290	82	116	1.1	980	2930	
C 22 2_7.1	7.1	127	150	2.1	1650	2310	71	180	1.4	2060	2820	
C 22 2_8.7	8.7	104	160	1.8	1650	2440	58	190	1.2	2100	3000	
C 22 2_9.6	9.6	93	170	1.7	1650	2530	52	200	1.1	2130	3130	
C 22 2_11.1	11.1	81	176	1.6	1640	2650	45	200	0.99	2170	3270	
C 22 2_12.4	12.4	73	185	1.5	1650	2760	40	200	0.89	2200	3520	
C 22 2_14.5	14.5	62	193	1.3	1610	2850	34	200	0.76	2200	3670	
C 22 2_15.8	15.8	57	200	1.3	1580	2990	32	200	0.70	2200	3920	
C 22 2_18.1	18.1	50	200	1.1	1650	3150	27.6	200	0.61	2200	4200	
C 22 2_20.0	20.0	45	200	0.99	1750	3340	25.0	200	0.55	2200	4350	
C 22 2_21.5	21.5	42	200	0.92	1760	3450	23.3	200	0.51	2200	4550	
C 22 2_24.3	24.3	37	200	0.82	1900	3650	20.6	200	0.45	2200	4720	
C 22 2_27.2	27.2	33	200	0.73	1950	3820	18.4	200	0.41	2200	5000	
C 22 2_29.6	29.6	30	200	0.67	1980	3990	16.9	200	0.37	2200	5000	
C 22 2_33.1	33.1	27.2	200	0.60	1970	4200	15.1	200	0.33	2200	5000	129
C 22 2_36.8	36.8	24.5	200	0.54	1990	4390	13.6	200	0.30	2200	5000	
C 22 2_43.3	43.3	20.8	190	0.44	2020	4770	11.6	190	0.24	2200	5000	
C 22 2_48.6	48.6	18.5	160	0.33	2050	5000	10.3	170	0.19	2200	5000	
C 22 2_54.7	54.7	16.4	160	0.29	2090	5000	9.1	170	0.17	2200	5000	
C 22 2_63.3	63.3	14.2	135	0.21	2140	5000	7.9	140	0.12	2200	5000	
C 22 3_60.0	60.0	15.0	190	0.31	1300	5000	8.3	200	0.18	1300	5000	
C 22 3_65.3	65.3	13.8	200	0.31	1300	5000	7.7	200	0.17	1300	5000	
C 22 3_74.8	74.8	12.0	200	0.27	1300	5000	6.7	200	0.15	1300	5000	
C 22 3_82.6	82.6	10.9	200	0.25	1300	5000	6.1	200	0.14	1300	5000	
C 22 3_88.5	88.5	10.2	200	0.22	1300	5000	5.6	200	0.12	1300	5000	
C 22 3_100.2	100.2	9.0	200	0.20	1300	5000	5.0	200	0.11	1300	5000	
C 22 3_112.0	112.0	8.0	200	0.18	1300	5000	4.5	200	0.10	1300	5000	
C 22 3_122.2	122.2	7.4	200	0.17	1300	5000	4.1	200	0.09	1300	5000	
C 22 3_136.5	136.5	6.6	200	0.15	1300	5000	3.7	200	0.08	1300	5000	
C 22 3_151.7	151.7	5.9	200	0.13	1300	5000	3.3	200	0.07	1300	5000	
C 22 3_178.5	178.5	5.0	200	0.11	1300	5000	2.8	200	0.06	1300	5000	
C 22 3_200.7	200.7	4.5	195	0.10	1300	5000	2.5	200	0.05	1300	5000	
C 22 3_225.8	225.8	4.0	195	0.09	1300	5000	2.2	200	0.05	1300	5000	
C 22 3_261.0	261.0	3.4	160	0.06	1300	5000	1.9	165	0.04	1300	5000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



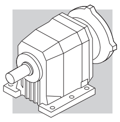
C 32 — 300 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 32 2_2.9	2.9	973	105	11.3	670	1710	486	130	7.0	940	2170	
C 32 2_3.4	3.4	821	116	10.5	480	1770	411	138	6.2	900	2280	
C 32 2_3.7	3.7	750	120	9.9	560	1830	375	150	6.2	750	2310	
C 32 2_4.5	4.5	622	129	8.8	450	1930	311	152	5.2	970	2500	
C 32 2_5.0	5.0	565	135	8.4	470	1990	283	155	4.8	1100	2600	
C 32 2_5.7	5.7	495	141	7.7	380	2080	248	155	4.2	1250	2760	
C 32 2_6.3	6.3	447	150	7.4	300	2130	223	155	3.8	1450	2890	
C 32 2_7.2	7.2	391	160	6.9	1890	2370	195	200	4.3	2200	2990	
C 32 2_8.5	8.5	330	168	6.1	1900	2510	165	209	3.8	2200	3180	
C 32 2_9.3	9.3	301	175	5.8	1910	2580	151	220	3.7	2200	3260	
C 32 2_11.2	11.2	250	187	5.2	1910	2740	125	231	3.2	2200	3480	
C 32 2_12.3	12.3	227	195	4.9	1910	2820	114	245	3.1	2200	3560	
C 32 2_14.1	14.1	199	205	4.5	1900	2940	99	251	2.8	2200	3750	
C 32 2_15.6	15.6	180	215	4.3	1900	3030	90	270	2.7	2200	3820	
C 32 2_18.2	18.2	154	223	3.8	1900	3210	77	275	2.3	2200	4070	
C 32 2_20.1	20.1	139	235	3.6	1900	3290	70	295	2.3	2200	4160	
C 32 2_22.9	22.9	122	240	3.2	1880	3470	61	295	2.0	2200	4400	
C 32 2_25.1	25.1	111	250	3.1	1890	3560	56	300	1.8	2200	4570	
C 32 2_26.9	26.9	104	255	2.9	1880	3650	52	300	1.7	2200	4700	
C 32 2_29.8	29.8	94	265	2.7	1880	3770	47	300	1.6	2200	4920	
C 32 2_33.1	33.1	85	270	2.5	1880	3920	42	300	1.4	2200	5150	133
C 32 2_36.1	36.1	78	280	2.4	1870	4030	39	300	1.3	2200	5350	
C 32 2_40.7	40.7	69	290	2.2	1860	4200	34	300	1.1	2200	5500	
C 32 2_45.3	45.3	62	300	2.0	1860	4360	31	300	1.0	2200	5500	
C 32 2_52.4	52.4	53	300	1.8	1860	4650	26.7	300	0.88	2200	5500	
C 32 2_59.4	59.4	47	205	1.1	2020	5000	23.6	215	0.56	2200	5500	
C 32 2_66.8	66.8	42	205	0.95	2020	5500	21.0	215	0.50	2200	5500	
C 32 3_74.7	74.7	37	280	1.2	750	5500	18.7	290	0.60	1170	5500	
C 32 3_82.6	82.6	34	300	1.1	820	5500	17.0	300	0.56	1240	5500	
C 32 3_94.2	94.2	29.7	300	0.98	900	5500	14.9	300	0.49	1270	5500	
C 32 3_103.3	103.3	27.1	300	0.90	980	5500	13.6	300	0.45	1300	5500	
C 32 3_110.6	110.6	25.3	300	0.84	1000	5500	12.7	300	0.42	1300	5500	
C 32 3_122.4	122.4	22.9	300	0.76	1060	5500	11.4	300	0.38	1300	5500	
C 32 3_136.0	136.0	20.6	300	0.68	1110	5500	10.3	300	0.34	1300	5500	
C 32 3_148.4	148.4	18.9	300	0.62	1130	5500	9.4	300	0.31	1300	5500	
C 32 3_167.4	167.4	16.7	300	0.55	1180	5500	8.4	300	0.28	1300	5500	
C 32 3_186.0	186.0	15.1	300	0.50	1200	5500	7.5	300	0.25	1300	5500	
C 32 3_215.6	215.6	13.0	300	0.43	1240	5500	6.5	300	0.21	1300	5500	
C 32 3_244.2	244.2	11.5	240	0.30	1280	5500	5.7	255	0.16	1300	5500	
C 32 3_274.7	274.7	10.2	240	0.27	1300	5500	5.1	255	0.14	1300	5500	



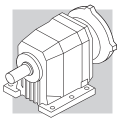
C 32 300 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 32 2_2.9	2.9	313	150	5.2	1120	2510	174	155	3.0	2200	3220	
C 32 2_3.4	3.4	264	152	4.4	1390	2690	147	167	2.7	2200	3390	
C 32 2_3.7	3.7	241	155	4.1	1570	2790	134	175	2.6	2200	3480	
C 32 2_4.5	4.5	200	158	3.5	1750	3010	111	188	2.3	2200	3690	
C 32 2_5.0	5.0	182	162	3.2	1870	3120	101	198	2.2	2200	3790	
C 32 2_5.7	5.7	159	171	3.0	1730	3250	88	198	1.9	2200	4010	
C 32 2_6.3	6.3	144	178	2.8	1730	3350	80	200	1.8	2200	4180	
C 32 2_7.2	7.2	126	235	3.3	2200	3450	70	285	2.2	2200	4200	
C 32 2_8.5	8.5	106	246	2.9	2200	3660	59	288	1.9	2200	4520	
C 32 2_9.3	9.3	97	260	2.8	2200	3750	54	300	1.8	2200	4640	
C 32 2_11.2	11.2	80	272	2.4	2200	4010	45	300	1.5	2200	5030	
C 32 2_12.3	12.3	73	285	2.3	2200	4120	41	300	1.3	2200	5250	
C 32 2_14.1	14.1	64	290	2.0	2200	4340	36	300	1.2	2200	5500	
C 32 2_15.6	15.6	58	300	1.9	2200	4500	32	300	1.1	2200	5500	
C 32 2_18.2	18.2	50	300	1.6	2200	4810	27.5	300	0.91	2200	5500	
C 32 2_20.1	20.1	45	300	1.5	2200	5030	24.9	300	0.82	2200	5500	
C 32 2_22.9	22.9	39	300	1.3	2200	5300	21.8	300	0.72	2200	5500	
C 32 2_25.1	25.1	36	300	1.2	2200	5500	19.9	300	0.66	2200	5500	
C 32 2_26.9	26.9	33	300	1.1	2200	5500	18.6	300	0.61	2200	5500	
C 32 2_29.8	29.8	30	300	1.0	2200	5500	16.8	300	0.56	2200	5500	
C 32 2_33.1	33.1	27.2	300	0.90	2200	5500	15.1	300	0.50	2200	5500	133
C 32 2_36.1	36.1	24.9	300	0.82	2200	5500	13.9	300	0.46	2200	5500	
C 32 2_40.7	40.7	22.1	300	0.73	2200	5500	12.3	300	0.41	2200	5500	
C 32 2_45.3	45.3	19.9	300	0.66	2200	5500	11.0	300	0.37	2200	5500	
C 32 2_52.4	52.4	17.2	300	0.57	2200	5500	9.5	300	0.32	2200	5500	
C 32 2_59.4	59.4	15.2	220	0.37	2200	5500	8.4	230	0.21	2200	5500	
C 32 2_66.8	66.8	13.5	220	0.33	2200	5500	7.5	230	0.19	2200	5500	
C 32 3_74.7	74.7	12.0	290	0.38	1300	5500	6.7	300	0.22	1300	5500	
C 32 3_82.6	82.6	10.9	300	0.36	1300	5500	6.1	300	0.20	1300	5500	
C 32 3_94.2	94.2	9.6	300	0.32	1300	5500	5.3	300	0.18	1300	5500	
C 32 3_103.3	103.3	8.7	300	0.29	1300	5500	4.8	300	0.16	1300	5500	
C 32 3_110.6	110.6	8.1	300	0.27	1300	5500	4.5	300	0.15	1300	5500	
C 32 3_122.4	122.4	7.4	300	0.24	1300	5500	4.1	300	0.14	1300	5500	
C 32 3_136.0	136.0	6.6	300	0.22	1300	5500	3.7	300	0.12	1300	5500	
C 32 3_148.4	148.4	6.1	300	0.20	1300	5500	3.4	300	0.11	1300	5500	
C 32 3_167.4	167.4	5.4	300	0.18	1300	5500	3.0	300	0.10	1300	5500	
C 32 3_186.0	186.0	4.8	300	0.16	1300	5500	2.7	300	0.09	1300	5500	
C 32 3_215.6	215.6	4.2	300	0.14	1300	5500	2.3	300	0.08	1300	5500	
C 32 3_244.2	244.2	3.7	260	0.11	1300	5500	2.0	275	0.06	1300	5500	
C 32 3_274.7	274.7	3.3	260	0.09	1300	5500	1.8	275	0.06	1300	5500	



C 36 450 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 36 2_2.7	2.7	1042	140	16.1	670	1750	521	170	9.8	1150	2240	
C 36 2_3.2	3.2	880	145	14.1	790	1870	440	177	8.6	1240	2380	
C 36 2_3.5	3.5	803	150	13.3	910	1920	402	185	8.2	1320	2440	
C 36 2_4.2	4.2	667	157	11.5	920	2050	333	192	7.1	1410	2620	
C 36 2_4.6	4.6	606	165	11.0	920	2110	303	200	6.7	1470	2700	
C 36 2_5.3	5.3	530	167	9.8	990	2230	265	200	5.8	1650	2870	
C 36 2_5.8	5.8	479	170	9.0	1160	2330	239	200	5.3	1990	3020	
C 36 2_6.8	6.8	413	285	13.0	1750	2130	206	355	8.1	2220	2710	
C 36 2_8.0	8.0	349	297	11.4	1770	2270	174	365	7.0	2250	2910	
C 36 2_8.8	8.8	318	310	10.9	1780	2330	159	380	6.7	2270	3000	
C 36 2_10.6	10.6	264	325	9.5	1790	2500	132	380	5.5	2320	3290	
C 36 2_11.7	11.7	240	340	9.0	1790	2560	120	380	5.0	2370	3460	
C 36 2_13.3	13.3	210	350	8.1	1800	2700	105	380	4.4	2400	3670	
C 36 2_14.8	14.8	190	360	7.5	1800	2810	95	380	4.0	2440	3890	
C 36 2_17.2	17.2	163	370	6.6	1810	3000	81	380	3.4	2460	4200	
C 36 2_19.0	19.0	147	380	6.2	1820	3110	74	380	3.1	2500	4400	
C 36 3_22.1	22.1	127	340	4.7	2300	3570	63	430	3.0	2900	4490	
C 36 3_26.2	26.2	107	355	4.2	2300	3790	53	440	2.6	2910	4810	
C 36 3_28.7	28.7	98	385	4.1	2300	3820	49	450	2.4	2930	4980	
C 36 3_34.6	34.6	81	400	3.6	2300	4100	40	450	2.0	2950	5420	
C 36 3_38.1	38.1	74	435	3.5	2300	4140	37	450	1.8	2970	5690	
C 36 3_43.5	43.5	64	440	3.1	2300	4450	32	450	1.6	2980	6050	
C 36 3_48.2	48.2	58	450	2.9	2310	4580	29.1	450	1.4	2990	6330	
C 36 3_56.2	56.2	50	450	2.5	2320	4970	24.9	450	1.2	2990	6500	
C 36 3_62.0	62.0	45	450	2.2	2330	5170	22.6	450	1.1	3000	6500	137
C 36 3_70.8	70.8	40	450	2.0	2340	5520	19.8	450	0.98	3000	6500	
C 36 3_77.6	77.6	36	450	1.8	2350	5740	18.0	450	0.90	3000	6500	
C 36 3_83.1	83.1	34	450	1.7	2350	5930	16.8	450	0.84	3000	6500	
C 36 3_91.9	91.9	30	450	1.5	2360	6200	15.2	450	0.76	3000	6500	
C 36 3_102.2	102.2	27.4	450	1.4	2360	6400	13.7	450	0.68	3000	6500	
C 36 3_111.5	111.5	25.1	450	1.2	2360	6500	12.6	450	0.62	3000	6500	
C 36 3_125.8	125.8	22.3	450	1.1	2370	6500	11.1	450	0.55	3000	6500	
C 36 3_139.8	139.8	20.0	450	0.99	2370	6500	10.0	450	0.50	3000	6500	
C 36 3_162.0	162.0	17.3	450	0.86	2380	6500	8.6	450	0.43	3000	6500	
C 36 3_183.5	183.5	15.3	450	0.76	2380	6500	7.6	450	0.38	3000	6500	
C 36 3_206.4	206.4	13.6	450	0.67	2380	6500	6.8	450	0.34	3000	6500	
C 36 4_230.9	230.9	12.1	450	0.60	1150	6500	6.1	450	0.30	1300	6500	
C 36 4_255.0	255.0	11.0	450	0.54	1190	6500	5.5	450	0.27	1300	6500	
C 36 4_290.9	290.9	9.6	450	0.48	1210	6500	4.8	450	0.24	1300	6500	
C 36 4_318.9	318.9	8.8	450	0.44	1230	6500	4.4	450	0.22	1300	6500	
C 36 4_341.7	341.7	8.2	450	0.41	1240	6500	4.1	450	0.20	1300	6500	
C 36 4_377.9	377.9	7.4	450	0.37	1260	6500	3.7	450	0.18	1300	6500	
C 36 4_420.2	420.2	6.7	450	0.33	1270	6500	3.3	450	0.17	1300	6500	
C 36 4_458.4	458.4	6.1	450	0.30	1280	6500	3.1	450	0.15	1300	6500	
C 36 4_517.2	517.2	5.4	450	0.27	1300	6500	2.7	450	0.13	1300	6500	
C 36 4_574.7	574.7	4.9	450	0.24	1300	6500	2.4	450	0.12	1300	6500	
C 36 4_665.9	665.9	4.2	450	0.21	1300	6500	2.1	450	0.10	1300	6500	
C 36 4_754.2	754.2	3.7	450	0.18	1300	6500	1.9	450	0.09	1300	6500	
C 36 4_848.5	848.5	3.3	450	0.16	1300	6500	1.6	450	0.08	1300	6500	

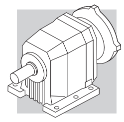


C 36 450 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 36 2_2.7	2.7	335	190	7.0	1670	2640	186	200	4.1	3000	3390	
C 36 2_3.2	3.2	283	190	5.9	2080	2790	157	200	3.5	3000	3650	
C 36 2_3.5	3.5	258	200	5.7	2160	2920	143	200	3.2	3000	3810	
C 36 2_4.2	4.2	214	200	4.7	2410	3170	119	200	2.6	3000	4100	
C 36 2_4.6	4.6	195	200	4.3	2590	3320	108	200	2.4	3000	4300	
C 36 2_5.3	5.3	171	200	3.8	2630	3500	95	200	2.1	3000	4520	
C 36 2_5.8	5.8	154	200	3.4	2680	3690	86	200	1.9	3000	4740	
C 36 2_6.8	6.8	133	380	5.6	2660	3290	74	380	3.1	3000	4400	
C 36 2_8.0	8.0	112	380	4.7	2720	3580	62	380	2.6	3000	4750	
C 36 2_8.8	8.8	102	380	4.3	2790	3750	57	380	2.4	3000	4960	
C 36 2_10.6	10.6	85	380	3.6	2850	4110	47	380	2.0	3000	5360	
C 36 2_11.7	11.7	77	380	3.2	2900	4300	43	380	1.8	3000	5630	
C 36 2_13.3	13.3	68	380	2.8	2930	4590	38	380	1.6	3000	5930	
C 36 2_14.8	14.8	61	380	2.6	2970	4800	34	380	1.4	3000	6240	
C 36 2_17.2	17.2	52	380	2.2	2980	5100	29.1	380	1.2	3000	6330	
C 36 2_19.0	19.0	47	380	2.0	3000	5390	26.3	380	1.1	3000	6500	
C 36 3_22.1	22.1	41	450	2.0	3000	5430	22.6	450	1.1	3000	6500	
C 36 3_26.2	26.2	34	450	1.7	3000	5850	19.1	450	0.95	3000	6500	
C 36 3_28.7	28.7	31	450	1.6	3000	6120	17.4	450	0.86	3000	6500	
C 36 3_34.6	34.6	26.0	450	1.3	3000	6500	14.5	450	0.72	3000	6500	
C 36 3_38.1	38.1	23.6	450	1.2	3000	6500	13.1	450	0.65	3000	6500	
C 36 3_43.5	43.5	20.7	450	1.0	3000	6500	11.5	450	0.57	3000	6500	
C 36 3_48.2	48.2	18.7	450	0.93	3000	6500	10.4	450	0.52	3000	6500	
C 36 3_56.2	56.2	16.0	450	0.79	3000	6500	8.9	450	0.44	3000	6500	
C 36 3_62.0	62.0	14.5	450	0.72	3000	6500	8.1	450	0.40	3000	6500	137
C 36 3_70.8	70.8	12.7	450	0.63	3000	6500	7.1	450	0.35	3000	6500	
C 36 3_77.6	77.6	11.6	450	0.58	3000	6500	6.4	450	0.32	3000	6500	
C 36 3_83.1	83.1	10.8	450	0.54	3000	6500	6.0	450	0.30	3000	6500	
C 36 3_91.9	91.9	9.8	450	0.49	3000	6500	5.4	450	0.27	3000	6500	
C 36 3_102.2	102.2	8.8	450	0.44	3000	6500	4.9	450	0.24	3000	6500	
C 36 3_111.5	111.5	8.1	450	0.40	3000	6500	4.5	450	0.22	3000	6500	
C 36 3_125.8	125.8	7.2	450	0.35	3000	6500	4.0	450	0.20	3000	6500	
C 36 3_139.8	139.8	6.4	450	0.32	3000	6500	3.6	450	0.18	3000	6500	
C 36 3_162.0	162.0	5.6	450	0.28	3000	6500	3.1	450	0.15	3000	6500	
C 36 3_183.5	183.5	4.9	450	0.24	3000	6500	2.7	450	0.14	3000	6500	
C 36 3_206.4	206.4	4.4	450	0.22	3000	6500	2.4	450	0.12	3000	6500	
C 36 4_230.9	230.9	3.9	450	0.19	1300	6500	2.2	450	0.11	1300	6500	
C 36 4_255.0	255.0	3.5	450	0.18	1300	6500	2.0	450	0.10	1300	6500	
C 36 4_290.9	290.9	3.1	450	0.15	1300	6500	1.7	450	0.09	1300	6500	
C 36 4_318.9	318.9	2.8	450	0.14	1300	6500	1.6	450	0.08	1300	6500	
C 36 4_341.7	341.7	2.6	450	0.13	1300	6500	1.5	450	0.07	1300	6500	
C 36 4_377.9	377.9	2.4	450	0.12	1300	6500	1.3	450	0.07	1300	6500	
C 36 4_420.2	420.2	2.1	450	0.11	1300	6500	1.2	450	0.06	1300	6500	
C 36 4_458.4	458.4	2.0	450	0.10	1300	6500	1.1	450	0.05	1300	6500	
C 36 4_517.2	517.2	1.7	450	0.09	1300	6500	1.0	450	0.05	1300	6500	
C 36 4_574.7	574.7	1.6	450	0.08	1300	6500	0.9	450	0.04	1300	6500	
C 36 4_665.9	665.9	1.4	450	0.07	1300	6500	0.8	450	0.04	1300	6500	
C 36 4_754.2	754.2	1.2	450	0.06	1300	6500	0.7	450	0.03	1300	6500	
C 36 4_848.5	848.5	1.1	450	0.05	1300	6500	0.6	450	0.03	1300	6500	

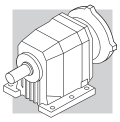
C 41 600 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 41 2_2.7	2.7	1037	245	28	980	1290	519	245	14.0	1390	2060	
C 41 2_3.6	3.6	778	255	22	1070	1540	389	255	10.9	1650	2390	
C 41 2_4.7	4.7	596	260	17.1	1170	1800	298	260	8.5	2010	2730	
C 41 2_6.0	6.0	467	260	13.4	1290	2100	233	260	6.7	2400	3110	
C 41 2_6.4	6.4	438	275	13.3	2270	2590	219	345	8.3	2860	3260	
C 41 2_7.1	7.1	394	285	12.4	2360	2700	197	355	7.7	2980	3420	
C 41 2_8.6	8.6	326	305	10.9	2300	2860	163	385	6.9	2900	3600	
C 41 2_9.6	9.6	292	310	10.0	2410	3010	146	390	6.3	3030	3800	
C 41 2_11.2	11.2	250	335	9.2	2310	3100	125	420	5.8	2910	3920	
C 41 2_12.4	12.4	226	340	8.5	2440	3270	113	425	5.3	3070	4140	
C 41 2_14.2	14.2	197	355	7.7	2330	3410	99	445	4.8	2980	4300	
C 41 2_15.8	15.8	177	360	7.0	2460	3590	89	450	4.4	3120	4540	
C 41 2_17.8	17.8	157	380	6.6	2330	3680	79	480	4.2	3050	4630	
C 41 2_19.8	19.8	141	385	6.0	2460	3880	71	485	3.8	3180	4890	
C 41 2_22.6	22.6	124	410	5.6	2320	3990	62	500	3.4	3110	5110	
C 41 2_25.0	25.0	112	415	5.1	2460	4210	56	500	3.1	3230	5420	
C 41 2_28.3	28.3	99	445	4.9	2310	4290	49	500	2.7	3180	5710	
C 41 2_31.4	31.4	89	445	4.4	2440	4550	45	500	2.5	3300	6040	
C 41 2_33.4	33.4	84	465	4.3	2390	4560	42	500	2.3	3220	6170	
C 41 2_37.1	37.1	75	470	3.9	2440	4810	38	500	2.1	3320	6520	
C 41 2_44.8	44.8	63	500	3.4	2660	5130	31	500	1.7	3500	7000	
C 41 3_28.5	28.5	98	445	4.9	3060	4300	49	560	3.1	3500	5420	
C 41 3_31.2	31.2	90	450	4.5	3090	4510	45	570	2.9	3500	5670	
C 41 3_36.8	36.8	76	480	4.1	3070	4710	38	600	2.6	3500	5960	
C 41 3_40.3	40.3	69	485	3.8	3100	4940	35	600	2.3	3500	6280	
C 41 3_47.0	47.0	60	515	3.5	3070	5140	29.8	600	2.0	3500	6720	
C 41 3_51.5	51.5	54	525	3.2	3090	5360	27.2	600	1.8	3500	7000	
C 41 3_58.7	58.7	48	550	3.0	3070	5550	23.9	600	1.6	3500	7000	141
C 41 3_64.3	64.3	44	560	2.7	3090	5800	21.8	600	1.5	3500	7000	
C 41 3_74.4	74.4	38	590	2.5	3060	6040	18.8	600	1.3	3500	7000	
C 41 3_81.5	81.5	34	600	2.3	3090	6310	17.2	600	1.2	3500	7000	
C 41 3_93.3	93.3	30	600	2.0	3080	6700	15.0	600	1.0	3500	7000	
C 41 3_102.3	102.3	27.4	600	1.8	3110	7000	13.7	600	0.92	3500	7000	
C 41 3_110.1	110.1	25.4	600	1.7	3090	7000	12.7	600	0.86	3500	7000	
C 41 3_120.6	120.6	23.2	600	1.6	3110	7000	11.6	600	0.78	3500	7000	
C 41 3_132.9	132.9	21.1	600	1.4	3090	7000	10.5	600	0.71	3500	7000	
C 41 3_145.6	145.6	19.2	600	1.3	3120	7000	9.6	600	0.65	3500	7000	
C 41 3_164.1	164.1	17.1	600	1.2	3100	7000	8.5	600	0.58	3500	7000	
C 41 3_179.9	179.9	15.6	600	1.1	3120	7000	7.8	600	0.53	3500	7000	
C 41 3_190.8	190.8	14.7	600	0.99	3110	7000	7.3	600	0.50	3500	7000	
C 41 3_209.1	209.1	13.4	600	0.90	3130	7000	6.7	600	0.45	3500	7000	
C 41 4_239.9	239.9	11.7	600	0.81	1480	7000	5.8	600	0.40	1910	7000	
C 41 4_263.0	263.0	10.6	600	0.74	1500	7000	5.3	600	0.37	1920	7000	
C 41 4_304.2	304.2	9.2	600	0.64	1520	7000	4.6	600	0.32	1950	7000	
C 41 4_333.4	333.4	8.4	600	0.58	1530	7000	4.2	600	0.29	1960	7000	
C 41 4_381.8	381.8	7.3	600	0.51	1540	7000	3.7	600	0.25	1970	7000	
C 41 4_418.5	418.5	6.7	600	0.46	1550	7000	3.3	600	0.23	1980	7000	
C 41 4_450.2	450.2	6.2	600	0.43	1560	7000	3.1	600	0.21	1990	7000	
C 41 4_493.5	493.5	5.7	600	0.39	1570	7000	2.8	600	0.20	2000	7000	
C 41 4_543.5	543.5	5.2	600	0.36	1570	7000	2.6	600	0.18	2000	7000	
C 41 4_595.8	595.8	4.7	600	0.32	1580	7000	2.3	600	0.16	2010	7000	
C 41 4_671.3	671.3	4.2	600	0.29	1590	7000	2.1	600	0.14	2020	7000	
C 41 4_735.9	735.9	3.8	600	0.26	1590	7000	1.9	600	0.13	2020	7000	
C 41 4_780.4	780.4	3.6	600	0.25	1600	7000	1.8	600	0.12	2030	7000	
C 41 4_855.5	855.5	3.3	600	0.23	1600	7000	1.6	600	0.11	2030	7000	



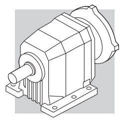
C 41 600 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 41 2_2.7	2.7	333	245	9.0	2560	2650	185	245	5.0	3500	3590	
C 41 2_3.6	3.6	250	255	7.0	2710	3050	139	255	3.9	3500	4090	
C 41 2_4.7	4.7	191	260	5.5	2900	3440	106	260	3.0	3500	4570	
C 41 2_6.0	6.0	150	260	4.3	3080	3890	83	260	2.4	3500	5110	
C 41 2_6.4	6.4	141	400	6.2	3310	3780	78	490	4.2	3500	4580	
C 41 2_7.1	7.1	127	415	5.8	3460	3940	70	500	3.9	3500	4820	
C 41 2_8.6	8.6	105	445	5.1	3360	4180	58	500	3.2	3500	5290	
C 41 2_9.6	9.6	94	450	4.7	3500	4410	52	500	2.9	3500	5600	
C 41 2_11.2	11.2	80	490	4.3	3500	4520	45	500	2.5	3500	5980	
C 41 2_12.4	12.4	73	495	4.0	3500	4780	40	500	2.2	3500	6320	
C 41 2_14.2	14.2	63	500	3.5	3500	5060	35	500	1.9	3500	6700	
C 41 2_15.8	15.8	57	500	3.1	3500	5370	32	500	1.7	3500	7000	
C 41 2_17.8	17.8	51	500	2.8	3500	5650	28.1	500	1.5	3500	7000	
C 41 2_19.8	19.8	45	500	2.5	3500	5970	25.3	500	1.4	3500	7000	
C 41 2_22.6	22.6	40	500	2.2	3500	6320	22.1	500	1.2	3500	7000	
C 41 2_25.0	25.0	36	500	2.0	3500	6670	20.0	500	1.1	3500	7000	
C 41 2_28.3	28.3	32	500	1.8	3500	7000	17.7	500	0.97	3500	7000	
C 41 2_31.4	31.4	28.7	500	1.6	3500	7000	15.9	500	0.88	3500	7000	
C 41 2_33.4	33.4	26.9	500	1.5	3500	7000	15.0	500	0.83	3500	7000	
C 41 2_37.1	37.1	24.3	500	1.3	3500	7000	13.5	500	0.74	3500	7000	
C 41 2_44.8	44.8	20.1	500	1.1	3500	7000	11.2	500	0.62	3500	7000	
C 41 3_28.5	28.5	32	600	2.1	3500	6530	17.5	600	1.2	3500	7000	
C 41 3_31.2	31.2	28.8	600	1.9	3500	6870	16.0	600	1.1	3500	7000	
C 41 3_36.8	36.8	24.5	600	1.7	3500	7000	13.6	600	0.92	3500	7000	
C 41 3_40.3	40.3	22.3	600	1.5	3500	7000	12.4	600	0.84	3500	7000	
C 41 3_47.0	47.0	19.1	600	1.3	3500	7000	10.6	600	0.72	3500	7000	
C 41 3_51.5	51.5	17.5	600	1.2	3500	7000	9.7	600	0.66	3500	7000	
C 41 3_58.7	58.7	15.3	600	1.0	3500	7000	8.5	600	0.58	3500	7000	141
C 41 3_64.3	64.3	14.0	600	0.95	3500	7000	7.8	600	0.53	3500	7000	
C 41 3_74.4	74.4	12.1	600	0.82	3500	7000	6.7	600	0.45	3500	7000	
C 41 3_81.5	81.5	11.0	600	0.75	3500	7000	6.1	600	0.41	3500	7000	
C 41 3_93.3	93.3	9.6	600	0.65	3500	7000	5.4	600	0.36	3500	7000	
C 41 3_102.3	102.3	8.8	600	0.59	3500	7000	4.9	600	0.33	3500	7000	
C 41 3_110.1	110.1	8.2	600	0.55	3500	7000	4.5	600	0.31	3500	7000	
C 41 3_120.6	120.6	7.5	600	0.50	3500	7000	4.1	600	0.28	3500	7000	
C 41 3_132.9	132.9	6.8	600	0.46	3500	7000	3.8	600	0.25	3500	7000	
C 41 3_145.6	145.6	6.2	600	0.42	3500	7000	3.4	600	0.23	3500	7000	
C 41 3_164.1	164.1	5.5	600	0.37	3500	7000	3.0	600	0.21	3500	7000	
C 41 3_179.9	179.9	5.0	600	0.34	3500	7000	2.8	600	0.19	3500	7000	
C 41 3_190.8	190.8	4.7	600	0.32	3500	7000	2.6	600	0.18	3500	7000	
C 41 3_209.1	209.1	4.3	600	0.29	3500	7000	2.4	600	0.16	3500	7000	
C 41 4_239.9	239.9	3.8	600	0.26	2200	7000	2.1	600	0.14	2200	7000	
C 41 4_263.0	263.0	3.4	600	0.24	2200	7000	1.9	600	0.13	2200	7000	
C 41 4_304.2	304.2	3.0	600	0.20	2200	7000	1.6	600	0.11	2200	7000	
C 41 4_333.4	333.4	2.7	600	0.19	2200	7000	1.5	600	0.10	2200	7000	
C 41 4_381.8	381.8	2.4	600	0.16	2200	7000	1.3	600	0.09	2200	7000	
C 41 4_418.5	418.5	2.2	600	0.15	2200	7000	1.2	600	0.08	2200	7000	
C 41 4_450.2	450.2	2.0	600	0.14	2200	7000	1.1	600	0.08	2200	7000	
C 41 4_493.5	493.5	1.8	600	0.13	2200	7000	1.0	600	0.07	2200	7000	
C 41 4_543.5	543.5	1.7	600	0.11	2200	7000	0.92	600	0.06	2200	7000	
C 41 4_595.8	595.8	1.5	600	0.10	2200	7000	0.84	600	0.06	2200	7000	
C 41 4_671.3	671.3	1.3	600	0.09	2200	7000	0.74	600	0.05	2200	7000	
C 41 4_735.9	735.9	1.2	600	0.08	2200	7000	0.68	600	0.05	2200	7000	
C 41 4_780.4	780.4	1.2	600	0.08	2200	7000	0.64	600	0.04	2200	7000	
C 41 4_855.5	855.5	1.1	600	0.07	2200	7000	0.58	600	0.04	2200	7000	

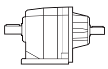


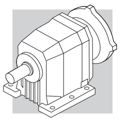
C 51 — 1000 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 51 2_2.6	2.6	1077	315	37	980	3340	538	400	24	1390	4200	
C 51 2_3.3	3.3	848	340	32	1070	3610	424	420	19.6	1650	4580	
C 51 2_4.5	4.5	622	370	25	1170	4010	311	435	14.9	2010	5180	
C 51 2_5.6	5.6	500	390	21	1290	4380	250	435	12.0	2400	5760	
C 51 2_7.0	7.0	400	500	22	2270	4760	200	630	13.9	2860	6000	
C 51 2_7.8	7.8	359	510	20	2360	4940	179	640	12.7	2980	6230	
C 51 2_8.8	8.8	318	545	19.1	2300	5120	159	685	12.0	2900	6450	
C 51 2_9.8	9.8	286	545	17.2	2410	5350	143	685	10.8	3030	6750	
C 51 2_11.8	11.8	237	610	16.0	2310	5620	119	770	10.1	2910	7080	
C 51 2_13.1	13.1	214	595	14.0	2440	5930	107	750	8.8	3070	7470	
C 51 2_15.0	15.0	187	660	13.6	2330	6080	93	800	8.2	2980	7770	
C 51 2_16.6	16.6	169	640	11.9	2460	6420	84	795	7.4	3120	8130	
C 51 2_18.9	18.9	148	695	11.3	2330	6630	74	800	6.5	3050	8620	
C 51 2_21.0	21.0	133	675	9.9	2460	7000	67	795	5.8	3180	9020	
C 51 2_23.4	23.4	120	735	9.7	2320	7160	60	800	5.3	3110	9460	
C 51 2_25.9	25.9	108	715	8.5	2460	7550	54	795	4.7	3230	9890	
C 51 2_29.8	29.8	94	795	8.2	2310	7770	47	800	4.1	3180	10000	
C 51 2_33.0	33.0	85	775	7.2	2440	8190	42	795	3.7	3300	10000	
C 51 2_36.4	36.4	77	750	6.4	2390	8660	38	790	3.3	3220	10000	
C 51 2_40.4	40.4	69	795	6.1	2440	8870	35	795	3.0	3320	10000	
C 51 2_43.1	43.1	65	730	5.2	2450	9380	32	770	2.8	3280	10000	
C 51 2_47.8	47.8	59	800	5.2	2460	9530	29.3	800	2.6	3350	10000	
C 51 2_51.4	51.4	54	665	4.0	2550	10000	27.2	700	2.1	3390	10000	
C 51 2_57.0	57.0	49	745	4.0	2540	10000	24.6	785	2.1	3380	10000	
C 51 3_21.8	21.8	128	720	10.4	2870	6940	64	905	6.5	3500	8750	
C 51 3_23.9	23.9	117	730	9.6	2910	7230	59	920	6.1	3500	9110	
C 51 3_27.4	27.4	102	770	8.9	2890	7510	51	970	5.6	3500	9470	
C 51 3_30.1	30.1	93	780	8.2	2930	7830	47	1000	5.2	3500	9810	
C 51 3_37.0	37.0	76	840	7.2	2910	8330	38	1000	4.3	3500	10000	
C 51 3_40.5	40.5	69	855	6.7	2940	8670	35	1000	3.9	3500	10000	
C 51 3_46.7	46.7	60	905	6.1	2920	9020	30	1000	3.4	3500	10000	145
C 51 3_51.2	51.2	55	920	5.7	2950	9390	27.3	1000	3.1	3500	10000	
C 51 3_59.0	59.0	47	970	5.2	2910	9780	23.7	1000	2.7	3500	10000	
C 51 3_64.6	64.6	43	1000	4.9	2940	10000	21.7	1000	2.4	3500	10000	
C 51 3_72.9	72.9	38	1000	4.3	2920	10000	19.2	1000	2.2	3500	10000	
C 51 3_79.9	79.9	35	1000	3.9	2960	10000	17.5	1000	2.0	3500	10000	
C 51 3_93.0	93.0	30	1000	3.4	2950	10000	15.1	1000	1.7	3500	10000	
C 51 3_101.8	101.8	27.5	1000	3.1	2990	10000	13.8	1000	1.5	3500	10000	
C 51 3_113.6	113.6	24.6	1000	2.8	2960	10000	12.3	1000	1.4	3500	10000	
C 51 3_124.4	124.4	22.5	1000	2.5	3000	10000	11.3	1000	1.3	3500	10000	
C 51 3_134.6	134.6	20.8	1000	2.3	2970	10000	10.4	1000	1.2	3500	10000	
C 51 3_147.4	147.4	19.0	1000	2.1	3010	10000	9.5	1000	1.1	3500	10000	
C 51 3_160.5	160.5	17.4	1000	2.0	2980	10000	8.7	1000	0.98	3500	10000	
C 51 3_175.8	175.8	15.9	1000	1.8	3020	10000	8.0	1000	0.90	3500	10000	
C 51 3_197.9	197.9	14.1	1000	1.6	2980	10000	7.1	1000	0.80	3500	10000	
C 51 3_216.7	216.7	12.9	1000	1.5	3020	10000	6.5	1000	0.73	3500	10000	
C 51 4_240.9	240.9	11.6	1000	1.3	2100	10000	5.8	1000	0.67	2200	10000	
C 51 4_263.8	263.8	10.6	1000	1.2	2120	10000	5.3	1000	0.61	2200	10000	
C 51 4_297.8	297.8	9.4	1000	1.1	2140	10000	4.7	1000	0.54	2200	10000	
C 51 4_326.1	326.1	8.6	1000	0.99	2160	10000	4.3	1000	0.49	2200	10000	
C 51 4_379.6	379.6	7.4	1000	0.85	2190	10000	3.7	1000	0.42	2200	10000	
C 51 4_415.7	415.7	6.7	1000	0.78	2200	10000	3.4	1000	0.39	2200	10000	
C 51 4_463.9	463.9	6.0	1000	0.69	2200	10000	3.0	1000	0.35	2200	10000	
C 51 4_508.0	508.0	5.5	1000	0.63	2200	10000	2.8	1000	0.32	2200	10000	
C 51 4_549.7	549.7	5.1	1000	0.59	2200	10000	2.5	1000	0.29	2200	10000	
C 51 4_602.0	602.0	4.7	1000	0.54	2200	10000	2.3	1000	0.27	2200	10000	
C 51 4_655.4	655.4	4.3	1000	0.49	2200	10000	2.1	1000	0.25	2200	10000	
C 51 4_717.7	717.7	3.9	1000	0.45	2200	10000	2.0	1000	0.22	2200	10000	
C 51 4_808.0	808.0	3.5	1000	0.40	2200	10000	1.7	1000	0.20	2200	10000	
C 51 4_884.9	884.9	3.2	1000	0.36	2200	10000	1.6	1000	0.18	2200	10000	



C 51 — 1000 Nm

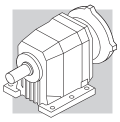
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 51 2_2.6	2.6	346	400	15.3	2560	5130	192	400	8.5	3500	6620	
C 51 2_3.3	3.3	273	420	12.6	2710	5590	152	420	7.0	3500	7200	
C 51 2_4.5	4.5	200	435	9.6	2900	6300	111	435	5.3	3500	8070	
C 51 2_5.6	5.6	161	435	7.7	3080	6970	89	435	4.3	3500	8880	
C 51 2_7.0	7.0	129	730	10.3	3310	6950	71	800	6.3	3500	8760	
C 51 2_7.8	7.8	115	740	9.4	3460	7220	64	800	5.7	3500	9140	
C 51 2_8.8	8.8	102	795	9.0	3360	7470	57	800	5.0	3500	9680	
C 51 2_9.8	9.8	92	800	8.1	3500	7790	51	800	4.5	3500	10000	
C 51 2_11.8	11.8	76	800	6.7	3500	8530	42	800	3.7	3500	10000	
C 51 2_13.1	13.1	69	800	6.1	3500	8900	38	800	3.4	3500	10000	
C 51 2_15.0	15.0	60	800	5.3	3500	9450	33	800	2.9	3500	10000	
C 51 2_16.6	16.6	54	800	4.8	3500	9850	30	800	2.7	3500	10000	
C 51 2_18.9	18.9	48	800	4.2	3500	10000	26.5	800	2.3	3500	10000	
C 51 2_21.0	21.0	43	800	3.8	3500	10000	23.8	800	2.1	3500	10000	
C 51 2_23.4	23.4	38	800	3.4	3500	10000	21.4	800	1.9	3500	10000	
C 51 2_25.9	25.9	35	800	3.1	3500	10000	19.3	800	1.7	3500	10000	
C 51 2_29.8	29.8	30	800	2.7	3500	10000	16.8	800	1.5	3500	10000	
C 51 2_33.0	33.0	27.3	800	2.4	3500	10000	15.2	800	1.3	3500	10000	
C 51 2_36.4	36.4	24.7	800	2.2	3500	10000	13.7	800	1.2	3500	10000	
C 51 2_40.4	40.4	22.3	800	2.0	3500	10000	12.4	800	1.1	3500	10000	
C 51 2_43.1	43.1	20.9	800	1.8	3500	10000	11.6	800	1.0	3500	10000	
C 51 2_47.8	47.8	18.8	800	1.7	3500	10000	10.5	800	0.92	3500	10000	
C 51 2_51.4	51.4	17.5	725	1.4	3500	10000	9.7	755	0.81	3500	10000	
C 51 2_57.0	57.0	15.8	795	1.4	3500	10000	8.8	795	0.77	3500	10000	
C 51 3_21.8	21.8	41	1000	4.6	3500	10000	22.9	1000	2.6	3500	10000	
C 51 3_23.9	23.9	38	1000	4.2	3500	10000	20.9	1000	2.4	3500	10000	
C 51 3_27.4	27.4	33	1000	3.7	3500	10000	18.2	1000	2.1	3500	10000	
C 51 3_30.1	30.1	29.9	1000	3.4	3500	10000	16.6	1000	1.9	3500	10000	
C 51 3_37.0	37.0	24.3	1000	2.7	3500	10000	13.5	1000	1.5	3500	10000	
C 51 3_40.5	40.5	22.2	1000	2.5	3500	10000	12.3	1000	1.4	3500	10000	145
C 51 3_46.7	46.7	19.3	1000	2.2	3500	10000	10.7	1000	1.2	3500	10000	
C 51 3_51.2	51.2	17.6	1000	2.0	3500	10000	9.8	1000	1.1	3500	10000	
C 51 3_59.0	59.0	15.3	1000	1.7	3500	10000	8.5	1000	0.95	3500	10000	
C 51 3_64.6	64.6	13.9	1000	1.6	3500	10000	7.7	1000	0.87	3500	10000	
C 51 3_72.9	72.9	12.3	1000	1.4	3500	10000	6.9	1000	0.77	3500	10000	
C 51 3_79.9	79.9	11.3	1000	1.3	3500	10000	6.3	1000	0.70	3500	10000	
C 51 3_93.0	93.0	9.7	1000	1.1	3500	10000	5.4	1000	0.61	3500	10000	
C 51 3_101.8	101.8	8.8	1000	1.0	3500	10000	4.9	1000	0.55	3500	10000	
C 51 3_113.6	113.6	7.9	1000	0.89	3500	10000	4.4	1000	0.50	3500	10000	
C 51 3_124.4	124.4	7.2	1000	0.81	3500	10000	4.0	1000	0.45	3500	10000	
C 51 3_134.6	134.6	6.7	1000	0.75	3500	10000	3.7	1000	0.42	3500	10000	
C 51 3_147.4	147.4	6.1	1000	0.69	3500	10000	3.4	1000	0.38	3500	10000	
C 51 3_160.5	160.5	5.6	1000	0.63	3500	10000	3.1	1000	0.35	3500	10000	
C 51 3_175.8	175.8	5.1	1000	0.58	3500	10000	2.8	1000	0.32	3500	10000	
C 51 3_197.9	197.9	4.5	1000	0.51	3500	10000	2.5	1000	0.28	3500	10000	
C 51 3_216.7	216.7	4.2	1000	0.47	3500	10000	2.3	1000	0.26	3500	10000	
C 51 4_240.9	240.9	3.7	1000	0.43	2200	10000	2.1	1000	0.24	2200	10000	
C 51 4_263.8	263.8	3.4	1000	0.39	2200	10000	1.9	1000	0.22	2200	10000	
C 51 4_297.8	297.8	3.0	1000	0.35	2200	10000	1.7	1000	0.19	2200	10000	
C 51 4_326.1	326.1	2.8	1000	0.32	2200	10000	1.5	1000	0.18	2200	10000	
C 51 4_379.6	379.6	2.4	1000	0.27	2200	10000	1.3	1000	0.15	2200	10000	
C 51 4_415.7	415.7	2.2	1000	0.25	2200	10000	1.2	1000	0.14	2200	10000	
C 51 4_463.9	463.9	1.9	1000	0.22	2200	10000	1.1	1000	0.12	2200	10000	
C 51 4_508.0	508.0	1.8	1000	0.20	2200	10000	1.0	1000	0.11	2200	10000	
C 51 4_549.7	549.7	1.6	1000	0.19	2200	10000	0.91	1000	0.10	2200	10000	
C 51 4_602.0	602.0	1.5	1000	0.17	2200	10000	0.83	1000	0.10	2200	10000	
C 51 4_655.4	655.4	1.4	1000	0.16	2200	10000	0.76	1000	0.09	2200	10000	
C 51 4_717.7	717.7	1.3	1000	0.14	2200	10000	0.70	1000	0.08	2200	10000	
C 51 4_808.0	808.0	1.1	1000	0.13	2200	10000	0.62	1000	0.07	2200	10000	
C 51 4_884.9	884.9	1.0	1000	0.12	2200	10000	0.57	1000	0.07	2200	10000	



C 61 1600 Nm

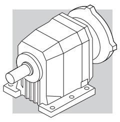
	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2 min⁻¹	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min⁻¹	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
C 61 2_2.8	2.8	1000	445	49	—	4670	500	550	30	770	5930	149
C 61 2_3.7	3.7	757	530	44	—	4950	378	575	24	1730	6600	
C 61 2_4.6	4.6	609	575	39	—	5280	304	600	20	2150	7130	
C 61 2_6.0	6.0	467	575	30	—	6000	233	625	16.1	2700	7950	
C 61 2_6.7	6.7	418	900	41	2230	5600	209	1130	26	2850	7060	
C 61 2_7.5	7.5	373	1000	41	2220	5620	187	1250	26	2900	7110	
C 61 2_8.8	8.8	318	1000	35	2290	6080	159	1250	22	2980	7690	
C 61 2_9.8	9.8	286	1100	35	2380	6140	143	1350	21	3330	7850	
C 61 2_10.9	10.9	257	1050	30	2530	6590	128	1350	19.1	2940	8210	
C 61 2_12.1	12.1	231	1150	29	2670	6670	116	1350	17.2	3600	8730	
C 61 2_14.3	14.3	196	1150	25	2450	7220	98	1350	14.6	3590	9430	
C 61 2_15.9	15.9	176	1250	24	2660	7350	88	1350	13.1	3780	9990	
C 61 2_17.7	17.7	158	1200	21	2540	7850	79	1350	11.8	3700	10400	
C 61 2_19.6	19.6	143	1300	20	2780	8000	71	1350	10.6	3890	11000	
C 61 2_22.4	22.4	125	1250	17.2	2630	8650	63	1350	9.3	3810	11600	
C 61 2_24.8	24.8	113	1350	16.8	2840	8840	56	1350	8.4	3980	12300	
C 61 2_27.4	27.4	102	1300	14.6	2600	9390	51	1350	7.6	3880	12800	
C 61 2_30.4	30.4	92	1350	13.7	2900	9770	46	1350	6.9	4050	13500	
C 61 2_34.2	34.2	82	1165	10.5	3020	10900	41	1225	5.5	4090	14500	
C 61 2_38.0	38.0	74	1280	10.4	3030	11100	37	1350	5.5	4100	14800	
C 61 3_26.8	26.8	104	1140	13.4	3740	9810	52	1435	8.4	4700	12400	
C 61 3_29.4	29.4	95	1160	12.4	3780	10200	48	1465	7.9	4700	12900	
C 61 3_33.0	33.0	85	1210	11.6	3750	10600	42	1525	7.3	4700	13300	
C 61 3_36.1	36.1	78	1235	10.8	3800	11000	39	1555	6.8	4700	13800	
C 61 3_43.4	43.4	65	1315	9.6	3760	11600	32	1600	5.8	4700	14800	
C 61 3_47.6	47.6	59	1340	8.9	3810	12100	29.4	1600	5.3	4700	15500	
C 61 3_53.5	53.5	52	1400	8.2	3760	12500	26.2	1600	4.7	4700	16000	
C 61 3_58.6	58.6	48	1430	7.7	3810	13000	23.9	1600	4.3	4700	16000	
C 61 3_67.7	67.7	41	1505	7.0	3750	13500	20.7	1600	3.7	4700	16000	
C 61 3_74.2	74.2	38	1535	6.5	3800	14100	18.9	1600	3.4	4700	16000	
C 61 3_83.0	83.0	34	1600	6.1	3740	14500	16.9	1600	3.0	4700	16000	
C 61 3_91.0	91.0	31	1600	5.5	3800	15200	15.4	1600	2.8	4700	16000	
C 61 3_103.6	103.6	27.0	1600	4.9	3760	16000	13.5	1600	2.4	4700	16000	
C 61 3_113.6	113.6	24.6	1600	4.4	3820	16000	12.3	1600	2.2	4700	16000	
C 61 3_128.1	128.1	21.9	1600	3.9	3790	16000	10.9	1600	2.0	4700	16000	
C 61 3_140.5	140.5	19.9	1600	3.6	3840	16000	10.0	1600	1.8	4700	16000	
C 61 3_150.0	150.0	18.7	1600	3.4	3800	16000	9.3	1600	1.7	4700	16000	
C 61 3_164.5	164.5	17.0	1600	3.1	3850	16000	8.5	1600	1.5	4700	16000	
C 61 3_178.6	178.6	15.7	1600	2.8	3800	16000	7.8	1600	1.4	4700	16000	
C 61 3_195.8	195.8	14.3	1600	2.6	3860	16000	7.2	1600	1.3	4700	16000	
C 61 4_217.4	217.4	12.9	1600	2.4	3020	16000	6.4	1600	1.2	3500	16000	
C 61 4_238.3	238.3	11.7	1600	2.2	3060	16000	5.9	1600	1.1	3500	16000	
C 61 4_275.3	275.3	10.2	1600	1.9	3100	16000	5.1	1600	0.94	3500	16000	
C 61 4_301.7	301.7	9.3	1600	1.7	3130	16000	4.6	1600	0.85	3500	16000	
C 61 4_337.7	337.7	8.3	1600	1.5	3160	16000	4.1	1600	0.76	3500	16000	
C 61 4_370.1	370.1	7.6	1600	1.4	3180	16000	3.8	1600	0.70	3500	16000	
C 61 4_421.5	421.5	6.6	1600	1.2	3200	16000	3.3	1600	0.61	3500	16000	
C 61 4_462.0	462.0	6.1	1600	1.1	3220	16000	3.0	1600	0.56	3500	16000	
C 61 4_521.1	521.1	5.4	1600	0.99	3240	16000	2.7	1600	0.49	3500	16000	
C 61 4_571.2	571.2	4.9	1600	0.90	3250	16000	2.5	1600	0.45	3500	16000	
C 61 4_610.1	610.1	4.6	1600	0.84	3260	16000	2.3	1600	0.42	3500	16000	
C 61 4_668.8	668.8	4.2	1600	0.77	3280	16000	2.1	1600	0.39	3500	16000	
C 61 4_726.3	726.3	3.9	1600	0.71	3290	16000	1.9	1600	0.35	3500	16000	
C 61 4_796.1	796.1	3.5	1600	0.65	3300	16000	1.8	1600	0.32	3500	16000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



C 61 — 1600 Nm

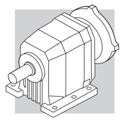
	i	n_1 = 900 min-1					n_1 = 500 min-1					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min-1	Nm	kW	N	N	min-1	Nm	kW	N	N	
C 61 2_2.8	2.8	321	565	20	2840	7150	179	665	13.1	4050	8790	
C 61 2_3.7	3.7	243	625	16.8	3000	7800	135	665	9.9	4700	9860	
C 61 2_4.6	4.6	196	665	14.3	3170	8380	109	665	8.0	4700	10760	
C 61 2_6.0	6.0	150	665	11.0	4120	9440	83	665	6.1	4700	12000	
C 61 2_6.7	6.7	134	1350	20	2850	8050	75	1350	11.1	4700	10800	
C 61 2_7.5	7.5	120	1350	17.9	4010	8560	67	1350	9.9	4700	11400	
C 61 2_8.8	8.8	102	1350	15.2	4070	9240	57	1350	8.5	4700	12200	
C 61 2_9.8	9.8	92	1350	13.7	4310	9790	51	1350	7.6	4700	12900	
C 61 2_10.9	10.9	83	1350	12.3	4270	10200	46	1350	6.8	4700	13400	
C 61 2_12.1	12.1	74	1350	11.1	4480	10800	41	1350	6.1	4700	14100	
C 61 2_14.3	14.3	63	1350	9.4	4470	11600	35	1350	5.2	4700	15100	
C 61 2_15.9	15.9	57	1350	8.4	4660	12300	31	1350	4.7	4700	15900	
C 61 2_17.7	17.7	51	1350	7.6	4580	12800	28.2	1350	4.2	4700	16000	
C 61 2_19.6	19.6	46	1350	6.8	4700	13500	25.5	1350	3.8	4700	16000	
C 61 2_22.4	22.4	40	1350	6.0	4690	14200	22.3	1350	3.3	4700	16000	
C 61 2_24.8	24.8	36	1350	5.4	4700	14900	20.2	1350	3.0	4700	16000	
C 61 2_27.4	27.4	33	1350	4.9	4700	15500	18.2	1350	2.7	4700	16000	
C 61 2_30.4	30.4	29.6	1350	4.4	4700	16000	16.4	1350	2.4	4700	16000	
C 61 2_34.2	34.2	26.3	1265	3.7	4700	16000	14.6	1325	2.1	4700	16000	
C 61 2_38.0	38.0	23.7	1350	3.5	4700	16000	13.2	1350	2.0	4700	16000	
C 61 3_26.8	26.8	34	1600	6.0	4700	14500	18.7	1600	3.4	4700	16000	
C 61 3_29.4	29.4	31	1600	5.5	4700	15200	17.0	1600	3.1	4700	16000	
C 61 3_33.0	33.0	27.3	1600	4.9	4700	15900	15.2	1600	2.7	4700	16000	
C 61 3_36.1	36.1	24.9	1600	4.5	4700	16000	13.9	1600	2.5	4700	16000	
C 61 3_43.4	43.4	20.7	1600	3.7	4700	16000	11.5	1600	2.1	4700	16000	
C 61 3_47.6	47.6	18.9	1600	3.4	4700	16000	10.5	1600	1.9	4700	16000	
C 61 3_53.5	53.5	16.8	1600	3.0	4700	16000	9.3	1600	1.7	4700	16000	
C 61 3_58.6	58.6	15.4	1600	2.8	4700	16000	8.5	1600	1.5	4700	16000	149
C 61 3_67.7	67.7	13.3	1600	2.4	4700	16000	7.4	1600	1.3	4700	16000	
C 61 3_74.2	74.2	12.1	1600	2.2	4700	16000	6.7	1600	1.2	4700	16000	
C 61 3_83.0	83.0	10.8	1600	2.0	4700	16000	6.0	1600	1.1	4700	16000	
C 61 3_91.0	91.0	9.9	1600	1.8	4700	16000	5.5	1600	0.99	4700	16000	
C 61 3_103.6	103.6	8.7	1600	1.6	4700	16000	4.8	1600	0.87	4700	16000	
C 61 3_113.6	113.6	7.9	1600	1.4	4700	16000	4.4	1600	0.79	4700	16000	
C 61 3_128.1	128.1	7.0	1600	1.3	4700	16000	3.9	1600	0.70	4700	16000	
C 61 3_140.5	140.5	6.4	1600	1.2	4700	16000	3.6	1600	0.64	4700	16000	
C 61 3_150.0	150.0	6.0	1600	1.1	4700	16000	3.3	1600	0.60	4700	16000	
C 61 3_164.5	164.5	5.5	1600	0.99	4700	16000	3.0	1600	0.55	4700	16000	
C 61 3_178.6	178.6	5.0	1600	0.91	4700	16000	2.8	1600	0.50	4700	16000	
C 61 3_195.8	195.8	4.6	1600	0.83	4700	16000	2.6	1600	0.46	4700	16000	
C 61 4_217.4	217.4	4.1	1600	0.76	3500	16000	2.3	1600	0.42	3500	16000	
C 61 4_238.3	238.3	3.8	1600	0.70	3500	16000	2.1	1600	0.39	3500	16000	
C 61 4_275.3	275.3	3.3	1600	0.60	3500	16000	1.8	1600	0.33	3500	16000	
C 61 4_301.7	301.7	3.0	1600	0.55	3500	16000	1.7	1600	0.31	3500	16000	
C 61 4_337.7	337.7	2.7	1600	0.49	3500	16000	1.5	1600	0.27	3500	16000	
C 61 4_370.1	370.1	2.4	1600	0.45	3500	16000	1.4	1600	0.25	3500	16000	
C 61 4_421.5	421.5	2.1	1600	0.39	3500	16000	1.2	1600	0.22	3500	16000	
C 61 4_462.0	462.0	1.9	1600	0.36	3500	16000	1.1	1600	0.20	3500	16000	
C 61 4_521.1	521.1	1.7	1600	0.32	3500	16000	1.0	1600	0.18	3500	16000	
C 61 4_571.2	571.2	1.6	1600	0.29	3500	16000	0.88	1600	0.16	3500	16000	
C 61 4_610.1	610.1	1.5	1600	0.27	3500	16000	0.82	1600	0.15	3500	16000	
C 61 4_668.8	668.8	1.3	1600	0.25	3500	16000	0.75	1600	0.14	3500	16000	
C 61 4_726.3	726.3	1.2	1600	0.23	3500	16000	0.69	1600	0.13	3500	16000	
C 61 4_796.1	796.1	1.1	1600	0.21	3500	16000	0.63	1600	0.12	3500	16000	



C 70 2300 Nm

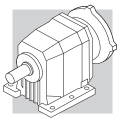
	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 70 2_4.6	4.6	613	1400	95	—	5590	306	1700	57	—	7100	152
C 70 2_5.9	5.9	479	1550	82	—	5610	239	1900	50	—	6990	
C 70 2_6.3	6.3	448	1600	79	1980	6570	224	1950	48	2630	8250	
C 70 2_7.5	7.5	375	1550	64	—	7130	188	1950	40	—	8400	
C 70 2_8.0	8.0	350	1750	68	1760	6840	175	2100	41	2670	8880	
C 70 2_9.5	9.5	294	1600	52	770	8260	147	2000	32	620	9910	
C 70 2_10.2	10.2	274	1900	57	2000	7200	137	2100	32	4470	10800	
C 70 2_11.2	11.2	250	1600	44	1130	9350	125	2000	28	1070	11300	
C 70 2_13.0	13.0	215	2050	49	1860	7700	107	2100	25	5600	12900	
C 70 2_14.1	14.1	199	1700	37	1100	10100	99	2100	23	1280	12400	
C 70 2_15.3	15.3	183	2100	42	1810	8540	91	2100	21	5860	14300	
C 70 2_16.7	16.7	168	1700	31	1570	11400	84	2050	18.9	2350	14300	
C 70 2_19.3	19.3	145	2100	34	2730	10400	73	2100	16.8	6000	16300	
C 70 2_22.9	22.9	123	2100	28	3160	11800	61	2100	14.2	6060	18000	
C 70 2_27.7	27.7	101	2100	23	3570	13400	51	2100	11.7	6120	19900	
C 70 2_34.7	34.7	81	2100	18.7	3960	15400	40	2100	9.3	6180	22200	
C 70 3_41.3	41.3	68	1900	14.5	5670	18400	34	2300	8.8	7000	22800	
C 70 3_44.7	44.7	63	1900	13.4	5700	19100	31	2300	8.1	7000	23800	
C 70 3_52.2	52.2	54	2050	12.4	5680	19600	26.8	2300	7.0	7000	25000	
C 70 3_56.5	56.5	50	2050	11.4	5710	20400	24.8	2300	6.4	7000	25000	
C 70 3_65.9	65.9	43	2200	10.5	5670	21000	21.3	2300	5.5	7000	25000	
C 70 3_71.3	71.3	39	2200	9.7	5710	21900	19.6	2300	5.1	7000	25000	
C 70 3_81.4	81.4	34	2300	8.9	5680	22700	17.2	2300	4.5	7000	25000	
C 70 3_88.2	88.2	32	2300	8.2	5710	23600	15.9	2300	4.1	7000	25000	
C 70 3_103.8	103.8	27.0	2300	7.0	5700	25000	13.5	2300	3.5	7000	25000	
C 70 3_112.4	112.4	24.9	2300	6.4	5740	25000	12.5	2300	3.2	7000	25000	
C 70 3_126.8	126.8	22.1	2300	5.7	5720	25000	11.0	2300	2.9	7000	25000	
C 70 3_137.4	137.4	20.4	2300	5.3	5750	25000	10.2	2300	2.6	7000	25000	
C 70 3_150.3	150.3	18.6	2300	4.8	5730	25000	9.3	2300	2.4	7000	25000	
C 70 3_162.8	162.8	17.2	2300	4.5	5760	25000	8.6	2300	2.2	7000	25000	
C 70 3_179.2	179.2	15.6	2300	4.0	5740	25000	7.8	2300	2.0	7000	25000	
C 70 3_194.1	194.1	14.4	2300	3.7	5770	25000	7.2	2300	1.9	7000	25000	
C 70 3_220.9	220.9	12.7	2250	3.2	5750	25000	6.3	2250	1.6	7000	25000	
C 70 3_239.3	239.3	11.7	2300	3.0	5770	25000	5.8	2300	1.5	7000	25000	
C 70 4_251.3	251.3	11.1	2300	2.9	2000	25000	5.6	2300	1.5	2620	25000	
C 70 4_272.2	272.2	10.3	2300	2.7	2030	25000	5.1	2300	1.4	2650	25000	
C 70 4_317.9	317.9	8.8	2300	2.3	2030	25000	4.4	2300	1.2	2650	25000	
C 70 4_344.3	344.3	8.1	2300	2.2	2050	25000	4.1	2300	1.1	2670	25000	
C 70 4_409.4	409.4	6.8	2300	1.8	2050	25000	3.4	2300	0.90	2670	25000	
C 70 4_443.5	443.5	6.3	2300	1.7	2070	25000	3.2	2300	0.80	2700	25000	
C 70 4_512.0	512.0	5.5	2300	1.4	2070	25000	2.7	2300	0.70	2680	25000	
C 70 4_554.7	554.7	5.0	2300	1.3	2090	25000	2.5	2300	0.70	2710	25000	
C 70 4_606.8	606.8	4.6	2300	1.2	2080	25000	2.3	2300	0.60	2700	25000	
C 70 4_657.3	657.3	4.3	2300	1.1	2100	25000	2.1	2300	0.60	2720	25000	
C 70 4_736.0	736.0	3.8	2300	1.0	2090	25000	1.9	2300	0.50	2700	25000	
C 70 4_797.3	797.3	3.5	2300	0.90	2110	25000	1.8	2300	0.50	2720	25000	
C 70 4_922.6	922.6	3.0	2300	0.80	2100	25000	1.5	2300	0.40	2710	25000	
C 70 4_999.5	999.5	2.8	2300	0.70	2110	25000	1.4	2300	0.40	2730	25000	
C 70 4_1069	1069	2.6	2300	0.70	2100	25000	1.3	2300	0.30	2720	25000	
C 70 4_1158	1158	2.4	2300	0.60	2100	25000	1.2	2300	0.30	2800	25000	
C 70 4_1362	1362	2.1	2300	0.50	2100	25000	1.0	2300	0.30	2800	25000	
C 70 4_1476	1476	1.9	2300	0.50	2100	25000	0.90	2300	0.30	2800	25000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



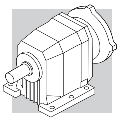
C 70 2300 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 70 2_4.6	4.6	197	1800	39	650	9360	109	1800	22	5500	13900	152
C 70 2_5.9	5.9	154	1950	33	560	9980	85	2150	20	2890	13400	
C 70 2_6.3	6.3	144	2100	33	4260	10400	80	2100	18.5	7000	15500	
C 70 2_7.5	7.5	121	2100	28	1120	10800	67	2150	15.9	5400	15600	
C 70 2_8.0	8.0	113	2100	26	5800	12500	63	2100	14.5	7000	17800	
C 70 2_9.5	9.5	95	2150	22	2140	12400	53	2150	12.4	6990	18100	
C 70 2_10.2	10.2	88	2100	20	6870	14600	49	2100	11.3	7000	20200	
C 70 2_11.2	11.2	80	2150	19.0	2620	14000	45	2150	10.6	7000	19800	
C 70 2_13.0	13.0	69	2100	16.0	7000	16900	38	2100	8.9	7000	22800	
C 70 2_14.1	14.1	64	2150	15.1	3900	16000	35	2150	8.4	7000	22300	
C 70 2_15.3	15.3	59	2100	13.6	7000	18400	33	2100	7.5	7000	24600	
C 70 2_16.7	16.7	54	2050	12.2	5470	18500	29.9	2050	6.8	7000	25000	
C 70 2_19.3	19.3	47	2100	10.8	7000	20700	25.9	2100	6.0	7000	25000	
C 70 2_22.9	22.9	39	2100	9.1	7000	22500	21.9	2100	5.1	7000	25000	
C 70 2_27.7	27.7	32	2100	7.5	7000	24600	18.0	2100	4.2	7000	25000	
C 70 2_34.7	34.7	25.9	2100	6.0	7000	25000	14.4	2100	3.3	7000	25000	
C 70 3_41.3	41.3	21.8	2300	5.6	7000	25000	12.1	2300	3.1	7000	25000	
C 70 3_44.7	44.7	20.1	2300	5.2	7000	25000	11.2	2300	2.9	7000	25000	
C 70 3_52.2	52.2	17.3	2300	4.5	7000	25000	9.6	2300	2.5	7000	25000	
C 70 3_56.5	56.5	15.9	2300	4.1	7000	25000	8.8	2300	2.3	7000	25000	
C 70 3_65.9	65.9	13.7	2300	3.5	7000	25000	7.6	2300	2.0	7000	25000	
C 70 3_71.3	71.3	12.6	2300	3.3	7000	25000	7.0	2300	1.8	7000	25000	
C 70 3_81.4	81.4	11.1	2300	2.9	7000	25000	6.1	2300	1.6	7000	25000	
C 70 3_88.2	88.2	10.2	2300	2.6	7000	25000	5.7	2300	1.5	7000	25000	
C 70 3_103.8	103.8	8.7	2300	2.2	7000	25000	4.8	2300	1.2	7000	25000	
C 70 3_112.4	112.4	8.0	2300	2.1	7000	25000	4.4	2300	1.2	7000	25000	
C 70 3_126.8	126.8	7.1	2300	1.8	7000	25000	3.9	2300	1.0	7000	25000	
C 70 3_137.4	137.4	6.6	2300	1.7	7000	25000	3.6	2300	0.90	7000	25000	
C 70 3_150.3	150.3	6.0	2300	1.6	7000	25000	3.3	2300	0.90	7000	25000	
C 70 3_162.8	162.8	5.5	2300	1.4	7000	25000	3.1	2300	0.80	7000	25000	
C 70 3_179.2	179.2	5.0	2300	1.3	7000	25000	2.8	2300	0.70	7000	25000	
C 70 3_194.1	194.1	4.6	2300	1.2	7000	25000	2.6	2300	0.70	7000	25000	
C 70 3_220.9	220.9	4.1	2250	1.0	7000	25000	2.3	2250	0.60	7000	25000	
C 70 3_239.3	239.3	3.8	2300	1.0	7000	25000	2.1	2300	0.50	7000	25000	
C 70 4_251.3	251.3	3.6	2300	0.90	2000	25000	2.0	2300	0.50	2620	25000	
C 70 4_272.2	272.2	3.3	2300	0.90	2030	25000	1.8	2300	0.50	2650	25000	
C 70 4_317.9	317.9	2.8	2300	0.70	2030	25000	1.6	2300	0.40	2650	25000	
C 70 4_344.3	344.3	2.6	2300	0.70	2050	25000	1.5	2300	0.40	2670	25000	
C 70 4_409.4	409.4	2.2	2300	0.60	2050	25000	1.2	2300	0.30	2670	25000	
C 70 4_443.5	443.5	2.0	2300	0.50	2070	25000	1.1	2300	0.30	2700	25000	
C 70 4_512.0	512.0	1.8	2300	0.50	2070	25000	1.0	2300	0.30	2680	25000	
C 70 4_554.7	554.7	1.6	2300	0.40	2090	25000	0.90	2300	0.20	2710	25000	
C 70 4_606.8	606.8	1.5	2300	0.40	2080	25000	0.80	2300	0.20	2700	25000	
C 70 4_657.3	657.3	1.4	2300	0.40	2100	25000	0.80	2300	0.20	2720	25000	
C 70 4_736.0	736.0	1.2	2300	0.30	2090	25000	0.70	2300	0.20	2700	25000	
C 70 4_797.3	797.3	1.1	2300	0.30	2110	25000	0.60	2300	0.20	2720	25000	
C 70 4_922.6	922.6	1.0	2300	0.30	2100	25000	0.50	2300	0.10	2710	25000	
C 70 4_999.5	999.5	0.90	2300	0.20	2110	25000	0.50	2300	0.10	2730	25000	
C 70 4_1069	1069	0.80	2300	0.20	2100	25000	0.50	2300	0.10	2720	25000	
C 70 4_1158	1158	0.80	2300	0.20	2100	25000	0.40	2300	0.10	2800	25000	
C 70 4_1362	1362	0.70	2300	0.20	2100	25000	0.40	2300	0.10	2800	25000	
C 70 4_1476	1476	0.60	2300	0.20	2100	25000	0.30	2300	0.10	2800	25000	



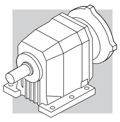
C 80 — 4000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 80 2_5.6	5.6	496	2400	131	370	10900	248	3100	85	690	12300	
C 80 2_6.1	6.1	458	2450	124	890	11000	229	3150	80	1380	12700	
C 80 2_7.0	7.0	398	2650	116	350	11000	199	3350	73	910	12900	
C 80 2_7.6	7.6	367	2700	109	890	11300	183	3400	69	1600	13300	
C 80 2_8.9	8.9	316	2800	98	420	12100	158	3500	61	1120	14500	
C 80 2_9.6	9.6	292	3000	96	520	11300	146	3700	59	1380	13900	
C 80 2_11.1	11.1	252	2800	78	1110	14200	126	3500	49	1950	17100	
C 80 2_12.0	12.0	233	3000	77	1200	13500	116	3700	48	2190	16600	
C 80 2_13.8	13.8	203	2800	63	1420	16400	102	3500	39	2330	19800	
C 80 2_14.9	14.9	188	3000	62	1510	15800	94	3700	38	2560	19300	
C 80 2_16.7	16.7	168	2800	52	1840	18500	84	3500	32	2840	22300	
C 80 2_18.1	18.1	155	3000	50	1930	17900	78	3700	32	3060	22000	
C 80 2_20.5	20.5	136	2850	43	2000	20500	68	3550	27	3060	24800	
C 80 2_22.2	22.2	126	3000	42	2210	20300	63	3700	26	3400	24900	
C 80 2_24.0	24.0	117	2850	37	2090	22400	58	3550	23	3180	27000	
C 80 2_25.9	25.9	108	3000	36	2300	22300	54	3700	22	3510	27200	
C 80 2_31.3	31.3	89	3000	30	2480	24700	45	3700	18.2	3730	30000	
C 80 2_39.1	39.1	72	2500	19.7	3820	31000	36	3200	12.6	5060	35000	
C 80 3_43.5	43.5	64	3100	23	5610	28700	32	3800	13.8	7000	34800	
C 80 3_47.4	47.4	59	3100	21	5660	30000	29.5	3800	12.6	7000	35000	
C 80 3_57.3	57.3	49	3400	18.7	5620	30500	24.4	4000	11.0	7000	35000	
C 80 3_62.5	62.5	45	3400	17.1	5670	31800	22.4	4000	10.1	7000	35000	
C 80 3_70.5	70.5	40	3650	16.3	5620	32200	19.9	4000	8.9	7000	35000	
C 80 3_76.9	76.9	36	3600	14.8	5670	33900	18.2	4000	8.2	7000	35000	
C 80 3_89.3	89.3	31	3900	13.8	5620	34700	15.7	4000	7.1	7000	35000	
C 80 3_97.4	97.4	28.7	3900	12.6	5670	35000	14.4	4000	6.5	7000	35000	
C 80 3_109.5	109.5	25.5	4000	11.5	5630	35000	12.8	4000	5.8	7000	35000	155
C 80 3_119.5	119.5	23.4	4000	10.6	5680	35000	11.7	4000	5.3	7000	35000	
C 80 3_136.7	136.7	20.5	4000	9.2	5660	35000	10.2	4000	4.6	7000	35000	
C 80 3_149.1	149.1	18.8	4000	8.5	5700	35000	9.4	4000	4.2	7000	35000	
C 80 3_169.0	169.0	16.6	4000	7.5	5680	35000	8.3	4000	3.7	7000	35000	
C 80 3_184.4	184.4	15.2	4000	6.8	5720	35000	7.6	4000	3.4	7000	35000	
C 80 3_197.9	197.9	14.2	3800	6.1	5710	35000	7.1	3800	3.0	7000	35000	
C 80 3_215.8	215.8	13.0	4000	5.8	5730	35000	6.5	4000	2.9	7000	35000	
C 80 4_261.9	261.9	10.7	4000	4.9	1850	35000	5.3	4000	2.5	2470	35000	
C 80 4_285.7	285.7	9.8	4000	4.5	1890	35000	4.9	4000	2.3	2510	35000	
C 80 4_334.3	334.3	8.4	4000	3.9	1880	35000	4.2	4000	1.9	2500	35000	
C 80 4_364.7	364.7	7.7	4000	3.5	1920	35000	3.8	4000	1.8	2540	35000	
C 80 4_417.5	417.5	6.7	4000	3.1	1910	35000	3.4	4000	1.5	2530	35000	
C 80 4_455.4	455.4	6.1	4000	2.8	1950	35000	3.1	4000	1.4	2570	35000	
C 80 4_529.3	529.3	5.3	4000	2.4	1940	35000	2.6	4000	1.2	2550	35000	
C 80 4_577.4	577.4	4.8	4000	2.2	1970	35000	2.4	4000	1.1	2590	35000	
C 80 4_664.3	664.3	4.2	4000	1.9	1960	35000	2.1	4000	1.0	2570	35000	
C 80 4_724.7	724.7	3.9	4000	1.8	1990	35000	1.9	4000	0.90	2610	35000	
C 80 4_783.4	783.4	3.6	4000	1.6	1970	35000	1.8	4000	0.80	2590	35000	
C 80 4_854.6	854.6	3.3	4000	1.5	2000	35000	1.6	4000	0.80	2620	35000	
C 80 4_945.7	945.7	3.0	4000	1.4	1980	35000	1.5	4000	0.70	2600	35000	
C 80 4_1032	1032	2.7	4000	1.2	2010	35000	1.4	4000	0.60	2630	35000	
C 80 4_1168	1168	2.4	4000	1.1	1980	35000	1.2	4000	0.60	2600	35000	
C 80 4_1274	1274	2.2	4000	1.0	2020	35000	1.1	4000	0.50	2640	35000	
C 80 4_1358	1358	2.1	4000	0.90	1990	35000	1.0	4000	0.50	2610	35000	
C 80 4_1481	1481	1.9	4000	0.90	2030	35000	0.90	4000	0.40	2640	35000	



C 80 4000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 80 2_5.6	5.6	160	3500	62	1480	14400	89	3500	34	4970	21600	155
C 80 2_6.1	6.1	147	3600	58	2100	14400	82	3700	33	5270	21200	
C 80 2_7.0	7.0	128	3500	49	2630	17000	71	3500	27	6130	24600	
C 80 2_7.6	7.6	118	3650	47	3060	16800	66	3650	26	6550	24600	
C 80 2_8.9	8.9	102	3500	39	3330	19900	56	3500	22	6800	27800	
C 80 2_9.6	9.6	94	3700	38	3590	19400	52	3700	21	7000	27700	
C 80 2_11.1	11.1	81	3500	31	4160	22800	45	3500	17.4	7000	31200	
C 80 2_12.0	12.0	75	3700	31	4400	22500	42	3700	17.0	7000	31200	
C 80 2_13.8	13.8	65	3500	25	4540	25700	36	3500	14.0	7000	34700	
C 80 2_14.9	14.9	60	3700	25	4770	25500	34	3700	13.7	7000	34700	
C 80 2_16.7	16.7	54	3500	21	5050	28500	30	3500	11.6	7000	35000	
C 80 2_18.1	18.1	50	3700	20	5280	28400	27.7	3700	11.3	7000	35000	
C 80 2_20.5	20.5	44	3550	17.2	5270	31400	24.4	3550	9.5	7000	35000	
C 80 2_22.2	22.2	40	3700	16.5	5610	31600	22.5	3700	9.2	7000	35000	
C 80 2_24.0	24.0	38	3550	14.7	5390	33800	20.9	3550	8.2	7000	35000	
C 80 2_25.9	25.9	35	3700	14.1	5730	34200	19.3	3700	7.9	7000	35000	
C 80 2_31.3	31.3	28.7	3700	11.7	5940	35000	16.0	3700	6.5	7000	35000	
C 80 2_39.1	39.1	23.0	3200	8.1	7000	35000	12.8	3200	4.5	7000	35000	
C 80 3_43.5	43.5	20.7	4000	9.3	7000	35000	11.5	4000	5.2	7000	35000	
C 80 3_47.4	47.4	19.0	4000	8.5	7000	35000	10.5	4000	4.7	7000	35000	
C 80 3_57.3	57.3	15.7	4000	7.1	7000	35000	8.7	4000	3.9	7000	35000	
C 80 3_62.5	62.5	14.4	4000	6.5	7000	35000	8.0	4000	3.6	7000	35000	
C 80 3_70.5	70.5	12.8	4000	5.7	7000	35000	7.1	4000	3.2	7000	35000	
C 80 3_76.9	76.9	11.7	4000	5.3	7000	35000	6.5	4000	2.9	7000	35000	
C 80 3_89.3	89.3	10.1	4000	4.5	7000	35000	5.6	4000	2.5	7000	35000	
C 80 3_97.4	97.4	9.2	4000	4.2	7000	35000	5.1	4000	2.3	7000	35000	
C 80 3_109.5	109.5	8.2	4000	3.7	7000	35000	4.6	4000	2.1	7000	35000	
C 80 3_119.5	119.5	7.5	4000	3.4	7000	35000	4.2	4000	1.9	7000	35000	
C 80 3_136.7	136.7	6.6	4000	3.0	7000	35000	3.7	4000	1.6	7000	35000	
C 80 3_149.1	149.1	6.0	4000	2.7	7000	35000	3.4	4000	1.5	7000	35000	
C 80 3_169.0	169.0	5.3	4000	2.4	7000	35000	3.0	4000	1.3	7000	35000	
C 80 3_184.4	184.4	4.9	4000	2.2	7000	35000	2.7	4000	1.2	7000	35000	
C 80 3_197.9	197.9	4.5	3800	1.9	7000	35000	2.5	3800	1.1	7000	35000	
C 80 3_215.8	215.8	4.2	4000	1.9	7000	35000	2.3	4000	1.0	7000	35000	
C 80 4_261.9	261.9	3.4	4000	1.6	2950	35000	1.9	4000	0.90	3500	35000	
C 80 4_285.7	285.7	3.2	4000	1.4	2990	35000	1.8	4000	0.80	3500	35000	
C 80 4_334.3	334.3	2.7	4000	1.2	2980	35000	1.5	4000	0.70	3500	35000	
C 80 4_364.7	364.7	2.5	4000	1.1	3020	35000	1.4	4000	0.60	3500	35000	
C 80 4_417.5	417.5	2.2	4000	1.0	3000	35000	1.2	4000	0.60	3500	35000	
C 80 4_455.4	455.4	2.0	4000	0.90	3050	35000	1.1	4000	0.50	3500	35000	
C 80 4_529.3	529.3	1.7	4000	0.80	3030	35000	0.90	4000	0.40	3500	35000	
C 80 4_577.4	577.4	1.6	4000	0.70	3070	35000	0.90	4000	0.40	3500	35000	
C 80 4_664.3	664.3	1.4	4000	0.60	3050	35000	0.80	4000	0.30	3500	35000	
C 80 4_724.7	724.7	1.2	4000	0.60	3090	35000	0.70	4000	0.30	3500	35000	
C 80 4_783.4	783.4	1.1	4000	0.50	3060	35000	0.60	4000	0.30	3500	35000	
C 80 4_854.6	854.6	1.1	4000	0.50	3100	35000	0.60	4000	0.30	3500	35000	
C 80 4_945.7	945.7	1.0	4000	0.40	3070	35000	0.50	4000	0.20	3500	35000	
C 80 4_1032	1032	0.90	4000	0.40	3110	35000	0.50	4000	0.20	3500	35000	
C 80 4_1168	1168	0.80	4000	0.40	3080	35000	0.40	4000	0.20	3500	35000	
C 80 4_1274	1274	0.70	4000	0.30	3110	35000	0.40	4000	0.20	3500	35000	
C 80 4_1358	1358	0.70	4000	0.30	3090	35000	0.40	4000	0.20	3500	35000	
C 80 4_1481	1481	0.60	4000	0.30	3120	35000	0.30	4000	0.20	3500	35000	



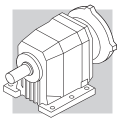
C 90 7200 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 90 2_5.2	5.2	542	3500	209	1700	12800	271	4300	128	2170	15800	
C 90 2_5.6	5.6	500	3600	198	3240	12800	250	4400	121	4250	16000	
C 90 2_6.8	6.8	414	3850	176	1860	13400	207	4750	108	2210	16400	
C 90 2_7.3	7.3	383	3950	167	3470	13500	191	4850	102	4360	16700	
C 90 2_8.3	8.3	336	4150	154	2010	13800	168	5100	94	2540	17100	
C 90 2_9.0	9.0	310	4250	145	3660	14000	155	5200	89	4720	17500	
C 90 2_10.4	10.4	270	4500	134	990	14200	135	5550	83	1150	17400	
C 90 2_11.2	11.2	249	4600	126	2750	14400	125	5650	78	3460	17800	
C 90 2_12.8	12.8	219	4850	117	580	14700	109	5950	72	840	18200	
C 90 2_13.9	13.9	202	4900	109	2700	15300	101	6050	67	3220	18700	
C 90 2_16.0	16.0	175	5050	98	690	16800	88	6200	60	950	20800	
C 90 2_17.3	17.3	162	5300	94	1670	15900	81	6500	58	2200	19800	
C 90 2_18.7	18.7	150	5050	83	1140	19600	75	6200	51	1500	24300	
C 90 2_20.2	20.2	138	5400	82	1540	17900	69	6600	50	2160	22500	
C 90 2_22.9	22.9	122	5050	68	2110	22400	61	6200	42	2700	27600	
C 90 2_24.8	24.8	113	5400	67	2500	21900	56	6600	41	3340	27300	
C 90 2_27.2	27.2	103	4500	51	6160	26000	52	5500	31	7820	32200	
C 90 2_29.4	29.4	95	4800	50	6560	26000	48	5900	31	8130	32000	
C 90 2_35.1	35.1	80	4400	39	8090	29400	40	5400	24	11100	36300	
C 90 3_39.4	39.4	71	6350	51	10800	23900	36	7100	28	13700	32900	
C 90 3_43.0	43.0	65	6500	48	10800	24700	33	7200	26	13800	34000	
C 90 3_50.3	50.3	56	6800	43	10800	26000	27.8	7100	22	13800	37000	
C 90 3_54.9	54.9	51	7000	40	10900	26500	25.5	7200	21	13900	38300	
C 90 3_59.2	59.2	47	7100	38	10800	27700	23.6	7100	18.9	13900	40000	
C 90 3_64.6	64.6	43	7200	35	10900	29100	21.7	7200	17.6	14000	41300	
C 90 3_74.4	74.4	38	7100	30	10900	31900	18.8	7100	15.0	14000	44400	
C 90 3_81.2	81.2	34	7200	28	10900	33000	17.2	7200	14.0	14100	45900	158
C 90 3_88.2	88.2	32	7100	25	11000	34800	15.9	7100	12.7	14000	47900	
C 90 3_96.2	96.2	29.1	7200	24	11000	35900	14.5	7200	11.8	14100	49400	
C 90 3_107.0	107.0	26.2	7100	21	11000	38100	13.1	7100	10.5	14100	52100	
C 90 3_116.7	116.7	24.0	7200	19.4	11000	39400	12.0	7200	9.7	14100	53700	
C 90 3_134.1	134.1	20.9	7100	16.7	11000	42400	10.4	7100	8.3	14100	57300	
C 90 3_146.3	146.3	19.1	7200	15.5	11000	43800	9.6	7200	7.8	14200	59000	
C 90 3_157.8	157.8	17.7	7100	14.2	11000	45600	8.9	7100	7.1	14100	60000	
C 90 3_172.1	172.1	16.3	7200	13.2	11000	47100	8.1	7200	6.6	14200	60000	
C 90 4_212.4	212.4	13.2	7200	10.9	—	60000	6.6	7200	5.5	1180	60000	
C 90 4_231.7	231.7	12.1	7200	10.0	—	60000	6.0	7200	5.0	1560	60000	
C 90 4_268.5	268.5	10.4	7200	8.6	—	60000	5.2	7200	4.3	1540	60000	
C 90 4_292.9	292.9	9.6	7200	7.9	—	60000	4.8	7200	4.0	1880	60000	
C 90 4_339.0	339.0	8.3	7200	6.8	—	60000	4.1	7200	3.4	1720	60000	
C 90 4_369.8	369.8	7.6	7200	6.3	—	60000	3.8	7200	3.1	2050	60000	
C 90 4_419.0	419.0	6.7	7200	5.5	—	60000	3.3	7200	2.8	1890	60000	
C 90 4_457.1	457.1	6.1	7200	5.1	—	60000	3.1	7200	2.5	2210	60000	
C 90 4_534.2	534.2	5.2	7200	4.3	—	60000	2.6	7200	2.2	2090	60000	
C 90 4_582.8	582.8	4.8	7200	4.0	—	60000	2.4	7200	2.0	2270	60000	
C 90 4_652.8	652.8	4.3	7200	3.6	—	60000	2.1	7200	1.8	2160	60000	
C 90 4_712.2	712.2	3.9	7200	3.3	—	60000	2.0	7200	1.6	2290	60000	
C 90 4_773.6	773.6	3.3	7200	3.0	—	60000	1.8	7200	1.5	2250	60000	
C 90 4_844.0	844.0	3.0	7200	2.7	—	60000	1.7	7200	1.4	2310	60000	
C 90 4_922.3	922.3	2.8	7200	2.5	—	60000	1.5	7200	1.3	2260	60000	
C 90 4_1006	1006	2.5	7200	2.3	—	60000	1.4	7200	1.2	2320	60000	
C 90 4_1137	1137	2.3	7200	2.0	—	60000	1.2	7200	1.0	2270	60000	
C 90 4_1240	1240	2.2	7200	1.9	—	60000	1.1	7200	0.90	2230	60000	

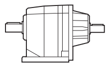
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)

C 90 7200 Nm

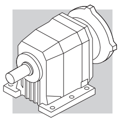
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 90 2_5.2	5.2	174	4900	94	2560	18200	97	5850	62	3010	21600	
C 90 2_5.6	5.6	161	5050	89	4640	18100	89	6000	59	5720	21800	
C 90 2_6.8	6.8	133	5450	80	2310	18500	74	6200	51	5130	24600	
C 90 2_7.3	7.3	123	5550	75	4890	18900	68	6550	49	6340	23200	
C 90 2_8.3	8.3	108	5850	70	2700	19300	60	6200	41	8870	27800	
C 90 2_9.0	9.0	100	5950	65	5300	19800	55	6600	40	9660	27600	
C 90 2_10.4	10.4	87	6200	59	2250	21000	48	6200	33	11000	31000	
C 90 2_11.2	11.2	80	6450	57	3960	20400	45	6600	32	11700	30800	
C 90 2_12.8	12.8	70	6250	48	4500	25300	39	6250	27	13200	34100	
C 90 2_13.9	13.9	65	6550	47	5830	24400	36	6550	26	14600	34300	
C 90 2_16.0	16.0	56	6200	38	6570	28700	31	6200	21	15000	38000	
C 90 2_17.3	17.3	52	6550	38	7530	28600	28.9	6550	21	15000	38100	
C 90 2_18.7	18.7	48	6200	33	7120	31000	26.7	6200	18.3	15000	40700	
C 90 2_20.2	20.2	44	6600	32	7780	30800	24.8	6600	18.0	15000	40700	
C 90 2_22.9	22.9	39	6200	27	8310	34200	21.8	6200	14.9	15000	44500	
C 90 2_24.8	24.8	36	6600	26	8950	34100	20.2	6600	14.6	15000	44600	
C 90 2_27.2	27.2	33	5500	20	13400	39200	18.4	5500	11.2	15000	50000	
C 90 2_29.4	29.4	31	5900	19.9	13700	39100	17.0	5900	11.0	15000	50200	
C 90 2_35.1	35.1	25.6	5400	15.3	14100	43800	14.2	5400	8.5	15000	55500	
C 90 3_39.4	39.4	22.8	7100	18.3	15000	40600	12.7	7100	10.1	15000	40600	
C 90 3_43.0	43.0	20.9	7200	17.0	15000	42000	11.6	7200	9.4	15000	42000	
C 90 3_50.3	50.3	17.9	7100	14.3	15000	45400	9.9	7100	7.9	15000	45400	
C 90 3_54.9	54.9	16.4	7200	13.3	15000	46900	9.1	7200	7.4	15000	46900	
C 90 3_59.2	59.2	15.2	7100	12.2	15000	48800	8.4	7100	6.8	15000	48800	
C 90 3_64.6	64.6	13.9	7200	11.3	15000	50400	7.7	7200	6.3	15000	50400	
C 90 3_74.4	74.4	12.1	7100	9.7	15000	53800	6.7	7100	5.4	15000	53800	
C 90 3_81.2	81.2	11.1	7200	9.0	15000	55500	6.2	7200	5.0	15000	55500	158
C 90 3_88.2	88.2	10.2	7100	8.2	15000	57800	5.7	7100	4.5	15000	57800	
C 90 3_96.2	96.2	9.4	7200	7.6	15000	59600	5.2	7200	4.2	15000	59600	
C 90 3_107.0	107.0	8.4	7100	6.7	15000	60000	4.7	7100	3.7	15000	60000	
C 90 3_116.7	116.7	7.7	7200	6.3	15000	60000	4.3	7200	3.5	15000	60000	
C 90 3_134.1	134.1	6.7	7100	5.4	15000	60000	3.7	7100	3.0	15000	60000	
C 90 3_146.3	146.3	6.2	7200	5.0	15000	60000	3.4	7200	2.8	15000	60000	
C 90 3_157.8	157.8	5.7	7100	4.6	15000	60000	3.2	7100	2.5	15000	60000	
C 90 3_172.1	172.1	5.2	7200	4.2	15000	60000	2.9	7200	2.4	15000	60000	
C 90 4_212.4	212.4	4.2	7200	3.5	2090	60000	2.4	7200	2.0	3210	60000	
C 90 4_231.7	231.7	3.9	7200	3.2	2460	60000	2.2	7200	1.8	3290	60000	
C 90 4_268.5	268.5	3.4	7200	2.8	2440	60000	1.9	7200	1.5	3300	60000	
C 90 4_292.9	292.9	3.1	7200	2.5	2620	60000	1.7	7200	1.4	3370	60000	
C 90 4_339.0	339.0	2.7	7200	2.2	2590	60000	1.5	7200	1.2	3340	60000	
C 90 4_369.8	369.8	2.4	7200	2.0	2660	60000	1.4	7200	1.1	3420	60000	
C 90 4_419.0	419.0	2.1	7200	1.8	2630	60000	1.2	7200	1.0	3390	60000	
C 90 4_457.1	457.1	2.0	7200	1.6	2700	60000	1.1	7200	0.90	3460	60000	
C 90 4_534.2	534.2	1.7	7200	1.4	2680	60000	0.90	7200	0.80	3380	60000	
C 90 4_582.8	582.8	1.5	7200	1.3	2750	60000	0.90	7200	0.70	3500	60000	
C 90 4_652.8	652.8	1.4	7200	1.1	2700	60000	0.80	7200	0.60	3450	60000	
C 90 4_712.2	712.2	1.3	7200	1.0	2760	60000	0.70	7200	0.60	3500	60000	
C 90 4_773.6	773.6	1.2	7200	1.0	2720	60000	0.60	7200	0.50	3480	60000	
C 90 4_844.0	844.0	1.1	7200	0.90	2790	60000	0.60	7200	0.50	3500	60000	
C 90 4_922.3	922.3	1.0	7200	0.80	2730	60000	0.50	7200	0.40	3490	60000	
C 90 4_1006	1006	0.90	7200	0.70	2800	60000	0.50	7200	0.40	3500	60000	
C 90 4_1137	1137	0.80	7200	0.70	2740	60000	0.40	7200	0.40	3500	60000	
C 90 4_1240	1240	0.70	7200	0.60	2800	60000	0.40	7200	0.30	3500	60000	



C 100 — 12000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 100 2_4.9	4.9	569	5500	345	1900	20600	285	6800	213	3790	25300	
C 100 2_5.3	5.3	525	5650	327	2790	21000	263	6950	201	4940	25800	
C 100 2_6.5	6.5	429	6150	291	1920	21800	215	7550	179	3950	27000	
C 100 2_7.1	7.1	396	6200	271	3100	22700	198	7650	167	5270	27900	
C 100 2_8.4	8.4	335	6700	248	1870	22800	168	8200	152	3970	28500	
C 100 2_9.0	9.0	309	6800	232	2950	23500	155	8350	142	5190	29200	
C 100 2_10.1	10.1	278	7100	217	1930	24100	139	8750	134	3900	29500	
C 100 2_10.9	10.9	256	7100	200	3240	25700	128	8750	124	5460	31600	
C 100 2_12.5	12.5	225	7650	190	1360	24900	112	9400	117	3260	30800	
C 100 2_13.5	13.5	208	7700	176	2600	26300	104	9500	109	4680	32100	
C 100 2_15.2	15.2	184	8100	164	1270	26600	92	10000	101	2680	32500	
C 100 2_16.5	16.5	170	8250	154	2320	27200	85	10150	95	4420	33600	
C 100 2_18.7	18.7	150	8200	136	1500	30800	75	10000	83	3600	38000	
C 100 2_20.2	20.2	138	8100	124	3047	32200	69	10000	76	5210	39600	
C 100 2_22.2	22.2	126	7500	104	3570	35800	63	9200	64	5960	44100	
C 100 2_24.1	24.1	116	8100	104	3620	35200	58	10000	64	5900	43300	
C 100 2_29.6	29.6	95	6900	72	6380	42400	47	8500	44	9220	52200	
C 100 3_34.3	34.3	82	10350	95	9790	33300	41	11700	54	13000	46400	
C 100 3_36.9	36.9	76	10650	91	10200	34500	38	11800	50	13100	48000	
C 100 3_42.9	42.9	65	11350	83	9640	33200	33	12000	44	13100	51200	
C 100 3_46.2	46.2	61	11700	80	10100	33100	30	12000	41	13300	53100	
C 100 3_53.3	53.3	53	12000	71	9450	36400	26.3	12000	36	13200	56900	
C 100 3_57.4	57.4	49	12000	66	10200	39500	24.4	12000	33	13400	59000	
C 100 3_64.5	64.5	43	12000	59	9950	44100	21.7	12000	29	13400	62300	
C 100 3_69.4	69.4	40	12000	54	10400	45900	20.2	12000	27	13500	64500	
C 100 3_79.4	79.4	35	12000	48	10300	49200	17.6	12000	24	13500	68600	161
C 100 3_85.6	85.6	33	12000	44	10400	51100	16.4	12000	22	13600	70900	
C 100 3_92.7	92.7	30	12000	41	10400	53200	15.1	12000	20	13500	73500	
C 100 3_99.8	99.8	28.1	12000	38	10500	55200	14.0	12000	19.0	13600	75900	
C 100 3_111.9	111.9	25.0	12000	34	10400	58300	12.5	12000	16.9	13500	79800	
C 100 3_120.5	120.5	23.2	12000	31	10500	60400	11.6	12000	15.7	13700	82400	
C 100 3_139.7	139.7	20.0	11050	25	10600	67400	10.0	11050	12.5	13700	85000	
C 100 3_150.4	150.4	18.6	12000	25	10600	66900	9.3	12000	12.6	13700	85000	
C 100 4_162.1	162.1	17.3	12000	24	—	85000	8.6	12000	11.9	—	85000	
C 100 4_185.4	185.4	15.1	12000	21	—	85000	7.6	12000	10.4	—	85000	
C 100 4_199.6	199.6	14.0	12000	19.4	—	85000	7.0	12000	9.7	—	85000	
C 100 4_244.2	244.2	11.5	12000	15.8	—	85000	5.7	12000	7.9	—	85000	
C 100 4_263.0	263.0	10.6	12000	14.7	—	85000	5.3	12000	7.4	—	85000	
C 100 4_300.5	300.5	9.3	12000	12.9	—	85000	4.7	12000	6.4	—	85000	
C 100 4_323.6	323.6	8.7	12000	11.9	—	85000	4.3	12000	6.0	—	85000	
C 100 4_380.5	380.5	7.4	12000	10.2	—	85000	3.7	12000	5.1	—	85000	
C 100 4_409.8	409.8	6.8	12000	9.4	—	85000	3.4	12000	4.7	—	85000	
C 100 4_466.7	466.7	6.0	12000	8.3	—	85000	3.0	12000	4.1	—	85000	
C 100 4_502.6	502.6	5.6	12000	7.7	—	85000	2.8	12000	3.8	—	85000	
C 100 4_582.6	582.6	4.8	12000	6.6	—	85000	2.4	12000	3.3	—	85000	
C 100 4_627.4	627.4	4.5	12000	6.2	—	85000	2.2	12000	3.1	—	85000	
C 100 4_720.3	720.3	3.9	12000	5.4	—	85000	1.9	12000	2.7	—	85000	
C 100 4_775.7	775.7	3.6	12000	5.0	—	85000	1.8	12000	2.5	—	85000	
C 100 4_843.3	843.3	3.3	12000	4.6	—	85000	1.7	12000	2.3	—	85000	
C 100 4_908.2	908.2	3.1	12000	4.3	—	85000	1.5	12000	2.1	830	85000	
C 100 4_1004	1004	2.8	12000	3.9	—	85000	1.4	12000	1.9	—	85000	
C 100 4_1081	1081	2.6	12000	3.6	—	85000	1.3	12000	1.8	870	85000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



C 100 — 12000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
C 100 2_4.9	4.9	183	7800	157	5310	28800	102	9300	104	6720	34400	
C 100 2_5.3	5.3	169	7950	148	6680	29500	94	9450	98	9740	35200	
C 100 2_6.5	6.5	138	8600	131	5670	31000	77	10250	87	7540	37000	
C 100 2_7.1	7.1	127	8750	123	7050	31800	71	10450	81	10100	37800	
C 100 2_8.4	8.4	108	9350	111	5670	32600	60	10950	72	8530	40100	
C 100 2_9.0	9.0	99	9500	104	7080	33600	55	11350	69	10100	39900	
C 100 2_10.1	10.1	89	10000	98	5540	33600	50	10900	60	10600	44500	
C 100 2_10.9	10.9	82	10150	92	6980	34700	46	11500	58	11300	44300	
C 100 2_12.5	12.5	72	10700	85	3910	35400	40	10850	48	11700	49600	
C 100 2_13.5	13.5	67	10850	80	6440	36700	37	11450	47	12300	49500	
C 100 2_15.2	15.2	59	10800	70	5940	40800	33	10800	39	13000	54700	
C 100 2_16.5	16.5	55	11500	69	6320	39100	30	11500	38	13400	54500	
C 100 2_18.7	18.7	48	10900	58	6310	45100	26.8	10900	32	13400	59800	
C 100 2_20.2	20.2	45	11500	56	6890	45000	24.7	11500	31	14000	60100	
C 100 2_22.2	22.2	40	9850	44	9170	52200	22.5	9850	24	15000	67800	
C 100 2_24.1	24.1	37	10800	44	8930	51200	20.7	10800	25	15000	67200	
C 100 2_29.6	29.6	30	9100	31	12600	61400	16.9	9100	17.0	15000	78300	
C 100 3_34.3	34.3	26.2	11700	35	15000	57800	14.6	11700	19.2	15000	75500	
C 100 3_36.9	36.9	24.4	11800	32	15000	59600	13.5	11800	18.0	15000	77700	
C 100 3_42.9	42.9	21.0	12000	28	15000	63400	11.6	12000	15.7	15000	82300	
C 100 3_46.2	46.2	19.5	12000	26	15000	65600	10.8	12000	14.6	15000	84900	
C 100 3_53.3	53.3	16.9	12000	23	15000	69900	9.4	12000	12.7	15000	85000	
C 100 3_57.4	57.4	15.7	12000	21	15000	72300	8.7	12000	11.8	15000	85000	
C 100 3_64.5	64.5	14.0	12000	18.6	15000	76100	7.8	12000	10.5	15000	85000	
C 100 3_69.4	69.4	13.0	12000	17.5	15000	78600	7.2	12000	9.7	15000	85000	
C 100 3_79.4	79.4	11.3	12000	15.3	15000	83300	6.3	12000	8.5	15000	85000	
C 100 3_85.6	85.6	10.5	12000	14.2	15000	85000	5.8	12000	7.9	15000	85000	161
C 100 3_92.7	92.7	9.7	12000	13.1	15000	85000	5.4	12000	7.3	15000	85000	
C 100 3_99.8	99.8	9.0	12000	12.2	15000	85000	5.0	12000	6.8	15000	85000	
C 100 3_111.9	111.9	8.0	12000	10.9	15000	85000	4.5	12000	6.0	15000	85000	
C 100 3_120.5	120.5	7.5	12000	10.1	15000	85000	4.1	12000	5.6	15000	85000	
C 100 3_139.7	139.7	6.4	11500	8.0	15000	85000	3.6	11050	4.5	15000	85000	
C 100 3_150.4	150.4	6.0	12000	8.1	15000	85000	3.3	12000	4.5	15000	85000	
C 100 4_162.1	162.1	5.6	12000	7.7	—	85000	3.1	12000	4.3	—	85000	
C 100 4_185.4	185.4	4.9	12000	6.7	—	85000	2.7	12000	3.7	920	85000	
C 100 4_199.6	199.6	4.5	12000	6.2	—	85000	2.5	12000	3.5	1430	85000	
C 100 4_244.2	244.2	3.7	12000	5.1	—	85000	2.0	12000	2.8	1490	85000	
C 100 4_263.0	263.0	3.4	12000	4.7	—	85000	1.9	12000	2.6	1950	85000	
C 100 4_300.5	300.5	3.0	12000	4.1	—	85000	1.7	12000	2.3	1840	85000	
C 100 4_323.6	323.6	2.8	12000	3.8	850	85000	1.5	12000	2.1	2280	85000	
C 100 4_380.5	380.5	2.4	12000	3.3	700	85000	1.3	12000	1.8	2130	85000	
C 100 4_409.8	409.8	2.2	12000	3.0	1120	85000	1.2	12000	1.7	2550	85000	
C 100 4_466.7	466.7	1.9	12000	2.7	910	85000	1.1	12000	1.5	2340	85000	
C 100 4_502.6	502.6	1.8	12000	2.5	1320	85000	1.0	12000	1.4	2740	85000	
C 100 4_582.6	582.6	1.5	12000	2.1	1100	85000	0.90	12000	1.2	2520	85000	
C 100 4_627.4	627.4	1.4	12000	2.0	1490	85000	0.80	12000	1.1	2910	85000	
C 100 4_720.3	720.3	1.2	12000	1.7	1270	85000	0.70	12000	1.0	2700	85000	
C 100 4_775.7	775.7	1.2	12000	1.6	1650	85000	0.60	12000	0.90	3070	85000	
C 100 4_843.3	843.3	1.1	12000	1.5	1360	85000	0.60	12000	0.80	2790	85000	
C 100 4_908.2	908.2	1.0	12000	1.4	1730	85000	0.60	12000	0.80	3160	85000	
C 100 4_1004	1004	0.90	12000	1.2	1400	85000	0.50	12000	0.70	2830	85000	
C 100 4_1081	1081	0.90	12000	1.1	1770	85000	0.50	12000	0.60	3170	85000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)

27 PREDISPOSIZIONI MOTORE

Nelle tabelle (B21) e (B22) vengono riportati gli abbinamenti motore possibili in termini puramente geometrici.

La scelta del motoriduttore deve essere effettuata seguendo le istruzioni specificate al paragrafo 11, rispettando in particolare la condizione S ≥ f_s.

(B 21)

IEC_ BN BE BX (IM B5)

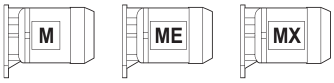
		P63	P71	P80		P90		P100		P112		P132			P160			P180			P200	P225	P250	P280
		BN		BN	BE	BN	BE	BN	BE	BN	BE	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	IEC	IEC	IEC
P_{n1}(#) [kW]	2p	0.37	0.75	1.5	1.1	2.2	2.2	4	3	4	4	9.2	9.2	—	18.5	18.5	—	22	—	—	30	45	55	90
	4p	0.25	0.55	1.1	0.75	1.85	1.5	3	3	4	4	9.2	9.2	7.5	15	15	15	22	22	22	30	47	55	90
	6p	0.12	0.37	0.75	—	1.1	0.75	1.85	1.5	2.2	2.2	5.5	4	—	11	7.5	—	15	—	—	18.5	30	37	55

i =	P63 P71	P80 P90	P100 P112	P132	P160	P180	P200	P225	P250	P280
C 12 2	2.8_66.2	2.8_47.6	2.8_47.6							
C 22 2	3.7_63.3 ⊖ (7.1_8.7)	2.7_54.7	2.7_54.7							
C 22 3	60.0_261.0	60.0_261.0	60.0_261.0							
C 32 2	5.0_66.8 ⊖ (7.2_11.2)	2.9_66.8	2.9_66.8	2.9_25.1						
C 32 3	74.7_274.7	74.7_274.7	74.7_274.7							
C 36 2	4.6_19.0 ⊖ (6.8_10.6)	2.7_19.0	2.7_19.0	2.7_19.0						
C 36 3	38.1_206.4	22.1_206.4	22.1_206.4	22.1_77.6						
C 36 4	230.9_848.5	230.9_848.5	230.9_848.5							
C 41 2	14.2_44.8	2.7_44.8	2.7_44.8	2.7_31.4						
C 41 3	47.0_209.1	28.5_209.1	28.5_209.1	28.5_102.3						
C 41 4	239.9_855.5	239.9_855.5	239.9_855.5							
C 51 2	18.9_57.0	2.6_57.0	2.6_57.0	2.6_40.4	2.6_40.4	2.6_40.4				
C 51 3	59.0_216.7	21.8_216.7	21.8_216.7	21.8_124.4	21.8_124.4	21.8_124.4				
C 51 4	240.9_884.9	240.9_884.9	240.9_884.9	240.9_508.0						
C 61 2	22.4_38.0	3.7_38.0 ⊖ (6.7_7.5)	3.7_38.0 ⊖ (6.7_7.5)	2.8_38.0	2.8_38.0	2.8_38.0				
C 61 3	67.7_195.8	26.8_195.8	26.8_195.8	26.8_140.5	26.8_140.5	26.8_140.5				
C 61 4	217.4_796.1	217.4_796.1	217.4_796.1							
C 70 2		14.1_34.7 ⊖ (15.3)	14.1_34.7 ⊖ (15.3)	7.5_34.7 ⊖ (8.0)	4.6_34.7	4.6_34.7*	4.6_10.2* ⊖ (9.5)			
C 70 3		41.3_239.3	41.3_239.3	41.3_137.4	41.3_137.4	41.3_137.4*				
C 70 4	251.3_1476	251.3_1476	251.3_1476	251.3_554.7						
C 80 2		20.5_39.1	20.5_39.1	11.1_39.1	7.0_39.1	5.6_39.1	5.6_25.9*	5.6_25.9*		
C 80 3		43.5_215.8	43.5_215.8	43.5_184.4	43.5_184.4	43.5_184.4				
C 80 4	334.3_1481	261.9_1481	261.9_1481	261.9_724.7						
C 90 2		22.9_35.1	22.9_35.1	12.8_35.1	10.4_35.1	10.4_35.1	5.2_29.4	5.2_29.4*	5.2_29.4*	
C 90 3		74.4_172.1	74.4_172.1	39.4_172.1	39.4_172.1	39.4_172.1	39.4_96.2	39.4_96.2*	39.4_96.2*	
C 90 4	339.0_1240	212.4_1240	212.4_1240	212.4_712.2	212.4_712.2	212.4_712.2				
C 100 2			29.6	15.2_29.6	12.5_29.6	12.5_29.6	4.9_29.6	4.9_29.6	4.9_29.6*	4.9_29.6*
C 100 3			79.4_150.4	42.9_150.4	34.3_150.4	34.3_150.4	34.3_99.8	34.3_99.8*	34.3_99.8	34.3_99.8*
C 100 4	380.5_1081	162.1_1081	162.1_1081	162.1_775.7	162.1_775.7	162.1_775.7				

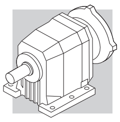
(#) P_{n1} = massima potenza installabile sull'ingresso P_

I motori nelle grandezze contrassegnate con * vengono previsti in forma costruttiva B3/B5 nelle posizioni di montaggio B3-B5-B6-B7-B8.

(B 22)



		M0	M05	M1	ME2	ME3	ME4 - MX4	ME5 - MX5
C 05 2		27.1_44.7	5.5_44.7	5.5_44.7				
C 12 2			2.8_66.2	2.8_37.0	2.8_47.7	2.8_47.7		
C 22 2			3.7_63.3 ⊖ (7.1_8.7)	3.7_43.3 ⊖ (7.1_8.7)	2.7_54.7	2.7_54.7		
C 22 3			60.0_261.0	60.0_261.0	60.0_261.0	60.0_261.0		
C 32 2				5.0_52.4 ⊖ (7.2_11.2)	2.9_66.8	2.9_66.8	2.9_25.1	
C 32 3			74.7_274.7	74.7_274.7	74.7_274.7	74.7_274.7		
C 36 2				4.6_19.0 ⊖ (6.8_10.6)	2.7_19.0	2.7_19.0	2.7_19.0	
C 36 3				38.1_162.0	22.1_206.4	22.1_206.4	22.1_77.6	
C 36 4			230.9_848.5	230.9_848.5	230.9_848.5	230.9_848.5		
C 41 2				14.2_44.8	2.7_44.8	2.7_44.8	2.7_31.4	
C 41 3				47.0_209.1	28.5_209.1	28.5_209.1	28.5_102.3	
C 41 4			239.9_855.5	239.9_855.5	239.9_855.5	239.9_855.5		
C 51 2				18.9_57.0	2.6_57.0	2.6_57.0	2.6_40.4	2.6_40.4
C 51 3				59.0_216.7	21.8_216.7	21.8_216.7	21.8_124.4	21.8_124.4
C 51 4	i =			240.9_884.9	240.9_884.9	240.9_884.9	240.9_508.0	
C 61 2					3.7_38.0 ⊖ (6.7_7.5)	3.7_38.0 ⊖ (6.7_7.5)	2.8_38.0	2.8_38.0
C 61 3					26.8_195.8	26.8_195.8	26.8_140.5	26.8_140.5
C 61 4				217.4_796.1	217.4_796.1	217.4_796.1		
C 70 2					14.1_34.7 ⊖ (15.3)	14.1_34.7 ⊖ (15.3)	7.5_34.7 ⊖ (8.0)	7.5_34.7 ⊖ (8.0)
C 70 3					41.3_239.3	41.3_239.3	41.3_137.4	41.3_137.4
C 70 4				251.3_1476	251.3_1476	251.3_1476	251.3_554.7	
C 80 2						20.5_39.1	11.1_39.1	11.1_39.1
C 80 3						43.5_215.8	43.5_184.4	43.5_184.4
C 80 4				334.3_1481	261.9_1481	261.9_1481	261.9_724.7	
C 90 2						22.9_35.1	12.8_35.1	12.8_35.1
C 90 3						74.4_172.1	39.4_172.1	39.4_172.1
C 90 4				339.0_1240	212.4_1240	212.4_1240	212.4_712.2	
C 100 2							15.2_29.6	15.2_29.6
C 100 3							42.9_150.4	42.9_150.4
C 100 4				380.5_1081	162.1_1081	162.1_1081	162.1_775.7	



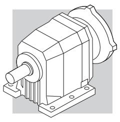
Predisposizioni motore sono disponibili per l’abbinamento dei riduttori C12…C61 con i servomotori delle tipologie più diffuse. Le dimensioni delle flange sono reperibili nella sezione dimensionale di ogni singolo riduttore. La sigla **SK** identifica calettamenti con l’albero motore dotati di sede per chiavetta, mentre la sigla **SC** corrisponde al calettamento mediante morsetto di serraggio (fornito).

(B 23)

		SERVO INPUT							
		SK60A	**SK60B**	**SK80A**	**SK80B**	**SK80C**	**SK95A**	**SK95B**	**SK95C**
		SC60A	**SC60B**	**SC80A**	**SC80B**	**SC80C**	**SC95A**	**SC95B**	**SC95C**
C 12 2		2.8_66.2	2.8_66.2	2.8_66.2		2.8_47.6	2.8_66.2	2.8_47.6	2.8_47.6
C 22 2		3.7_63.3 ⊖ (7.1_8.7)	3.7_63.3 ⊖ (7.1_8.7)	3.7_63.3 ⊖ (7.1_8.7)		2.7_54.7	3.7_63.3 ⊖ (7.1_8.7)	2.7_54.7	2.7_54.7
C 22 3		60.0_261.0	60.0_261.0	60.0_261.0		60.0_261.0	60.0_261.0	60.0_261.0	60.0_261.0
C 32 2		5.0_66.8 ⊖ (7.2_11.2)	5.0_66.8 ⊖ (7.2_11.2)	5.0_66.8 ⊖ (7.2_11.2)		2.9_66.8	5.0_66.8 ⊖ (7.2_11.2)	2.9_66.8	2.9_66.8
C 32 3		74.7_274.7	74.7_274.7	74.7_274.7		74.7_274.7	74.7_274.7	74.7_274.7	74.7_274.7
C 36 2		4.6_19.0 ⊖ (6.8_10.6)	4.6_19.0 ⊖ (6.8_10.6)	4.6_19.0 ⊖ (6.8_10.6)		2.7_19.0	4.6_19.0 ⊖ (6.8_10.6)	2.7_19.0	2.7_19.0
C 36 3		38.1_206.4	38.1_206.4	38.1_206.4		22.1_206.4	38.1_206.4	22.1_206.4	22.1_206.4
C 36 4		230.9_848.5	230.9_848.5	230.9_848.5		230.9_848.5	230.9_848.5	230.9_848.5	230.9_848.5
C 41 2	**i =**				6.0_44.8 ⊖ (6.4_12.4)	2.7_44.8	6.0_44.8 ⊖ (6.4_12.4)	2.7_44.8	2.7_44.8
C 41 3					47.0_209.1	28.5_209.1	47.0_209.1	28.5_209.1	28.5_209.1
C 41 4		239.9_855.5	239.9_855.5	239.9_855.5		239.9_855.5	239.9_855.5	239.9_855.5	239.9_855.5
C 51 2					18.9_57.0	2.6_57.0	18.9_57.0	2.6_57.0	2.6_57.0
C 51 3					59.0_216.7	21.8_216.7	59.0_216.7	21.8_216.7	21.8_216.7
C 51 4						240.9_884.9	240.9_884.9	240.9_884.9	240.9_884.9
C 61 2						3.7_38.0 ⊖ (6.7_7.5)	22.4_38.0	3.7_38.0 ⊖ (6.7_7.5)	3.7_38.0 ⊖ (6.7_7.5)
C 61 3						26.8_195.8	67.7_195.8	26.8_195.8	26.8_195.8
C 61 4					217.4_796.1	217.4_796.1	217.4_796.1	217.4_796.1	217.4_796.1

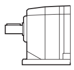
(B 24)

		SK110A	**SK110B**	**SK130A**	**SK130B**	**SK180A**	**SK180B**
		SC110A	**SC110B**	**SC130A**	**SC130B**	**SC180A**	**SC180B**
C 12 2		2.8_47.6	2.8_47.6				
C 22 2		2.7_54.7	2.7_54.7				
C 22 3		60.0_261.0	60.0_261.0				
C 32 2		2.9_66.8	2.9_66.8	2.9_66.8			
C 32 3		74.7_274.7	74.7_274.7				
C 36 2		2.7_19.0	2.7_19.0	2.7_19.0			
C 36 3		22.1_206.4	22.1_206.4	22.1_206.4			
C 36 4		230.9_848.5	230.9_848.5				
C 41 2	**i =**	2.7_44.8	2.7_44.8	2.7_44.8	2.7_31.4	2.7_31.4	2.7_31.4
C 41 3		28.5_209.1	28.5_209.1	28.5_209.1	28.5_102.3	28.5_102.3	28.5_102.3
C 41 4		239.9_855.5	239.9_855.5				
C 51 2		2.6_57.0	2.6_57.0	2.6_57.0	2.6_40.4	2.6_40.4	2.6_40.4
C 51 3		21.8_216.7	21.8_216.7	21.8_216.7	21.8_124.4	21.8_124.4	21.8_124.4
C 51 4		240.9_884.9	240.9_884.9	240.9_884.9			
C 61 2		3.7_38.0 ⊖ (6.7_7.5)	3.7_38.0 ⊖ (6.7_7.5)	3.7_38.0 ⊖ (6.7_7.5)	2.8_38.0	2.8_38.0	2.8_38.0
C 61 3		26.8_195.8	26.8_195.8	26.8_195.8	26.8_140.5	26.8_140.5	26.8_140.5
C 61 4		217.4_796.1	217.4_796.1	217.4_796.1			

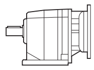


28 MOMENTO D’INERZIA

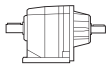
Le tabelle seguenti indicano i valori del momento d’inerzia J_r [kgm^2] riferiti all’asse veloce del riduttore; per una migliore facilità di lettura riportiamo le definizioni dei simboli usati.



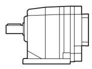
I valori riferiti a questo simbolo sono da attribuire al riduttore compatto senza motore. In questo caso, per avere il momento d’inerzia complessivo del motoriduttore, si dovrà sommare il valore corrispondente al riduttore compatto, a quello del motore da applicare (dato reperibile nelle tabelle delle caratteristiche tecniche dei motori elettrici).

 IEC

I valori relativi a questi simboli sono da attribuire al riduttore predisposto per attacco motore (grandezza IEC...).

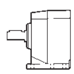


I valori attribuiti al riduttore sono riferiti a questo simbolo.

 SERVO

I valori relativi a questi simboli sono da attribuire al riduttore predisposto per accoppiamento a servomotore.

C 05

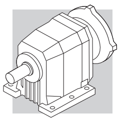
	i	**J** (•10^{-4}) [kgm^2] 
C 05_5.5	5.5	0.29
C 05_6.7	6.7	0.29
C 05_7.4	7.4	0.28
C 05_9.3	9.3	0.17
C 05_11.2	11.2	0.16
C 05_12.5	12.5	0.16
C 05_15.6	15.6	0.09
C 05_18.9	18.9	0.09
C 05_21.0	21.0	0.08
C 05_27.1	27.1	0.04
C 05_32.8	32.8	0.04
C 05_36.4	36.4	0.04
C 05_40.3	40.3	0.03
C 05_44.7	44.7	0.03

C 12

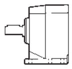
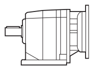
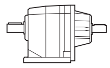
	i	J (•10⁻⁴) [kgm²]	IEC 63	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	
C 12 2_2.8	2.8	0.44	1.9	1.9	3.3	3.2	4.5	4.5	1.3
C 12 2_3.2	3.2	0.34	1.8	1.8	3.2	3.1	4.4	4.4	1.2
C 12 2_3.7	3.7	0.29	1.8	1.7	3.1	3.1	4.4	4.4	1.2
C 12 2_4.3	4.3	0.21	1.7	1.7	3.1	3.0	4.3	4.3	1.1
C 12 2_4.9	4.9	0.19	1.7	1.7	3.0	3.0	4.3	4.3	1.1
C 12 2_5.6	5.6	0.15	1.6	1.6	3.0	2.9	4.2	4.2	1.0
C 12 2_6.2	6.2	0.12	1.6	1.6	3.0	2.9	4.2	4.2	1.0
C 12 2_7.6	7.6	0.33	1.8	1.8	3.2	3.1	4.4	4.4	1.2
C 12 2_8.8	8.8	0.32	1.8	1.8	3.2	3.1	4.4	4.4	1.2
C 12 2_10.1	10.1	0.23	1.7	1.7	3.1	3.0	4.3	4.3	1.1
C 12 2_11.9	11.9	0.17	1.6	1.6	3.0	3.0	4.2	4.2	1.1
C 12 2_13.4	13.4	0.16	1.6	1.6	3.0	2.9	4.2	4.2	1.1
C 12 2_15.4	15.4	0.12	1.6	1.6	3.0	2.9	4.2	4.2	1.0
C 12 2_17.2	17.2	0.10	1.6	1.6	2.9	2.9	4.2	4.2	1.0
C 12 2_18.4	18.4	0.08	1.6	1.5	2.9	2.9	4.2	4.2	0.98
C 12 2_20.6	20.6	0.08	1.5	1.5	2.9	2.9	4.2	4.2	0.98
C 12 2_23.2	23.2	0.07	1.5	1.5	2.9	2.9	4.1	4.1	0.97
C 12 2_25.4	25.4	0.06	1.5	1.5	2.9	2.8	4.1	4.1	0.96
C 12 2_29.5	29.5	0.05	1.5	1.5	2.9	2.8	4.1	4.1	0.95
C 12 2_32.8	32.8	0.04	1.5	1.5	2.9	2.8	4.1	4.1	0.94
C 12 2_37.0	37.0	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 12 2_42.3	42.3	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 12 2_47.6	47.6	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92
C 12 2_55.2	55.2	0.02	1.5	1.5	—	—	—	—	0.92
C 12 2_66.2	66.2	0.01	1.5	1.5	—	—	—	—	0.91

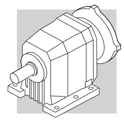
C 12

	i	J (•10-4) [kgm2] SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
C 12 2_2.8	2.8	0.71	0.97	0.73	1.2	3.3	3.7	3.3	3.8	3.2	4.2
C 12 2_3.2	3.2	0.61	0.87	0.63	1.1	3.2	3.6	3.2	3.7	3.1	4.1
C 12 2_3.7	3.7	0.56	0.82	0.58	1.0	3.1	3.5	3.1	3.6	3.1	4.1
C 12 2_4.3	4.3	0.48	0.74	0.50	0.94	3.0	3.5	3.1	3.6	3.0	4.0
C 12 2_4.9	4.9	0.46	0.72	0.48	0.92	3.0	3.4	3.0	3.5	3.0	4.0
C 12 2_5.6	5.6	0.42	0.68	0.44	0.88	3.0	3.4	3.0	3.5	2.9	3.9
C 12 2_6.2	6.2	0.39	0.65	0.41	0.85	2.9	3.4	3.0	3.5	2.9	3.9
C 12 2_7.6	7.6	0.60	0.86	0.62	1.1	3.2	3.6	3.2	3.7	3.1	4.1
C 12 2_8.8	8.8	0.59	0.85	0.61	1.0	3.1	3.6	3.2	3.7	3.1	4.1
C 12 2_10.1	10.1	0.50	0.76	0.52	0.96	3.1	3.5	3.1	3.6	3.0	4.0
C 12 2_11.9	11.9	0.44	0.70	0.46	0.90	3.0	3.4	3.0	3.5	3.0	4.0
C 12 2_13.4	13.4	0.43	0.69	0.45	0.83	3.0	3.4	3.0	3.5	2.9	3.9
C 12 2_15.4	15.4	0.39	0.65	0.41	0.85	2.9	3.4	3.0	3.5	2.9	3.9
C 12 2_17.2	17.2	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.9	3.9
C 12 2_18.4	18.4	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.9	3.9
C 12 2_20.6	20.6	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.9	3.9
C 12 2_23.2	23.2	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.9	3.9
C 12 2_25.4	25.4	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.8	3.8
C 12 2_29.5	29.5	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8
C 12 2_32.8	32.8	0.34	0.60	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8
C 12 2_37.0	37.0	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 12 2_42.3	42.3	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 12 2_47.6	47.6	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
C 12 2_55.2	55.2	0.29	0.55	0.31	0.75	2.8	3.3	—	—	—	—
C 12 2_66.2	66.2	0.28	0.54	0.30	0.74	2.8	3.3	—	—	—	—



C 22

	i	J (•10-4) [kgm2]							
			 IEC						
			63	71	80	90	100	112	
C 22 2_2.7	2.7	1.2	—	—	4.0	4.0	5.3	5.3	3.1
C 22 2_3.3	3.3	0.83	—	—	3.7	3.6	4.9	4.9	2.7
C 22 2_3.7	3.7	0.72	2.2	2.2	3.6	3.5	4.8	4.8	2.6
C 22 2_4.3	4.3	0.56	2.0	2.0	3.4	3.3	4.6	4.6	2.4
C 22 2_4.8	4.8	0.48	2.0	1.9	3.3	3.3	4.6	4.6	2.4
C 22 2_5.6	5.6	0.36	1.8	1.8	3.2	3.2	4.4	4.4	2.2
C 22 2_6.1	6.1	0.29	1.8	1.7	3.1	3.1	4.4	4.4	2.2
C 22 2_7.1	7.1	0.77	—	—	3.6	3.6	4.8	4.8	2.6
C 22 2_8.7	8.7	0.55	—	—	3.4	3.3	4.6	4.6	2.4
C 22 2_9.6	9.6	0.50	2.0	2.0	3.3	3.3	4.6	4.6	2.4
C 22 2_11.1	11.1	0.39	1.9	1.8	3.2	3.2	4.5	4.5	2.3
C 22 2_12.4	12.4	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.2
C 22 2_14.5	14.5	0.36	1.7	1.7	3.1	3.1	4.3	4.3	2.1
C 22 2_15.8	15.8	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
C 22 2_18.1	18.1	0.18	1.6	1.6	3.0	3.0	4.3	4.3	2.0
C 22 2_20.0	20.0	0.15	1.6	1.6	3.0	2.9	4.2	4.2	2.0
C 22 2_21.5	21.5	0.13	1.6	1.6	3.0	2.9	4.2	4.2	2.0
C 22 2_24.3	24.3	0.12	1.6	1.6	3.0	2.9	4.2	4.2	2.0
C 22 2_27.2	27.2	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
C 22 2_29.6	29.6	0.09	1.6	1.5	2.9	2.9	4.2	4.2	2.0
C 22 2_33.1	33.1	0.07	1.5	1.5	2.9	2.9	4.2	4.2	1.9
C 22 2_36.8	36.8	0.06	1.5	1.5	2.9	2.8	4.1	4.1	1.9
C 22 2_43.3	43.3	0.05	1.5	1.5	2.9	2.8	4.1	4.1	1.9
C 22 2_48.6	48.6	0.04	1.5	1.5	2.9	2.8	4.1	4.1	1.9
C 22 2_54.7	54.7	0.03	1.5	1.5	2.9	2.8	4.1	4.1	1.9
C 22 2_63.3	63.3	0.02	1.5	1.5	—	—	—	—	1.9
C 22 3_60.0	60.0	0.04	1.5	1.5	2.9	2.8	4.1	4.1	0.94
C 22 3_65.3	65.3	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_74.8	74.8	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_82.6	82.6	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_88.5	88.5	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_100.2	100.2	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_112.0	112.0	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_122.2	122.2	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.93
C 22 3_136.5	136.5	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92
C 22 3_151.7	151.7	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92
C 22 3_178.5	178.5	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92
C 22 3_200.7	200.7	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92
C 22 3_225.8	225.8	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92
C 22 3_261.0	261.0	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.92

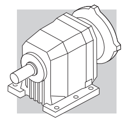


C 22

	i	J (•10-4) [kgm2] SERVO 60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
C 22 2_2.7	2.7	—	—	—	—	—	—	4.0	4.5	4.0	5.0
C 22 2_3.3	3.3	—	—	—	—	—	—	3.7	4.2	3.6	4.6
C 22 2_3.7	3.7	0.99	1.3	1.0	1.4	3.5	4.0	3.6	4.1	3.5	4.5
C 22 2_4.3	4.3	0.83	1.1	0.85	1.3	3.4	3.8	3.4	3.9	3.3	4.3
C 22 2_4.8	4.8	0.75	1.0	0.77	1.2	3.3	3.7	3.3	3.8	3.3	4.3
C 22 2_5.6	5.6	0.63	0.89	0.65	1.1	3.2	3.6	3.2	3.7	3.2	4.2
C 22 2_6.1	6.1	0.56	0.82	0.58	1.0	3.1	3.5	3.1	3.6	3.1	4.1
C 22 2_7.1	7.1	—	—	—	—	—	—	3.6	4.1	3.6	4.6
C 22 2_8.7	8.7	—	—	—	—	—	—	3.4	3.9	3.3	4.3
C 22 2_9.6	9.6	0.77	1.0	0.79	1.2	3.3	3.8	3.3	3.8	3.3	4.3
C 22 2_11.1	11.1	0.66	0.92	0.68	1.1	3.2	3.6	3.2	3.7	3.2	4.2
C 22 2_12.4	12.4	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1
C 22 2_14.5	14.5	0.63	0.89	0.65	1.1	3.2	3.6	3.1	3.6	3.1	4.1
C 22 2_15.8	15.8	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
C 22 2_18.1	18.1	0.45	0.71	0.47	0.91	3.0	3.4	3.0	3.5	3.0	4.0
C 22 2_20.0	20.0	0.42	0.68	0.44	0.88	3.0	3.4	3.0	3.5	2.9	3.9
C 22 2_21.5	21.5	0.40	0.66	0.42	0.86	3.0	3.4	3.0	3.5	2.9	3.9
C 22 2_24.3	24.3	0.39	0.65	0.41	0.85	2.9	3.4	3.0	3.5	2.9	3.9
C 22 2_27.2	27.2	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
C 22 2_29.6	29.6	0.36	0.62	0.38	0.82	2.9	3.3	2.9	3.4	2.9	3.9
C 22 2_33.1	33.1	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.9	3.9
C 22 2_36.8	36.8	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.8	3.8
C 22 2_43.3	43.3	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8
C 22 2_48.6	48.6	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8
C 22 2_54.7	54.7	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 2_63.3	63.3	0.29	0.55	0.31	0.75	2.8	3.3	—	—	—	—
C 22 3_60.0	60.0	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_65.3	65.3	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_74.8	74.8	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_82.6	82.6	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_88.5	88.5	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_100.2	100.2	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_112.0	112.0	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_122.2	122.2	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
C 22 3_136.5	136.5	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
C 22 3_151.7	151.7	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
C 22 3_178.5	178.5	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
C 22 3_200.7	200.7	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
C 22 3_225.8	225.8	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
C 22 3_261.0	261.0	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8

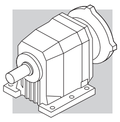
C 32

	i	J (•10-4) [kgm2]								
			IEC							
			63	71	80	90	100	112	132	
C 32 2_2.9	2.9	2.3	—	—	5.2	5.1	6.4	6.4	20	4.6
C 32 2_3.4	3.4	1.8	—	—	4.6	4.6	5.9	5.9	20	4.0
C 32 2_3.7	3.7	1.6	—	—	4.4	4.3	5.6	5.6	20	3.8
C 32 2_4.5	4.5	1.2	—	—	4.0	4.0	5.2	5.2	19	3.4
C 32 2_5.0	5.0	0.87	2.3	2.3	3.7	3.7	5.0	5.0	19	3.1
C 32 2_5.7	5.7	0.82	2.3	2.3	3.7	3.6	4.9	4.9	19	3.0
C 32 2_6.3	6.3	0.63	2.1	2.1	3.5	3.4	4.7	4.7	18	2.8
C 32 2_7.2	7.2	1.5	—	—	4.4	4.3	5.6	5.6	19	3.7
C 32 2_8.5	8.5	1.2	—	—	4.1	4.0	5.3	5.3	19	3.4
C 32 2_9.3	9.3	1.1	—	—	3.9	3.9	5.1	5.1	19	3.3
C 32 2_11.2	11.2	0.83	—	—	3.7	3.6	4.9	4.9	19	3.0
C 32 2_12.3	12.3	0.60	2.1	2.1	3.4	3.4	4.7	4.7	18	2.8
C 32 2_14.1	14.1	0.61	2.1	2.1	3.5	3.4	4.7	4.7	18	2.8
C 32 2_15.6	15.6	0.46	1.9	1.9	3.3	3.2	4.5	4.5	18	2.7
C 32 2_18.2	18.2	0.42	1.9	1.9	3.3	3.2	4.5	4.5	18	2.6
C 32 2_20.1	20.1	0.34	1.8	1.8	3.2	3.1	4.4	4.4	18	2.6
C 32 2_22.9	22.9	0.31	1.8	1.8	3.2	3.1	4.4	4.4	17	2.5
C 32 2_25.1	25.1	0.25	1.7	1.7	3.1	3.0	4.3	4.3	17	2.5
C 32 2_26.9	26.9	0.24	1.7	1.7	3.1	3.0	4.3	4.3	—	2.5
C 32 2_29.8	29.8	0.19	1.7	1.7	3.0	3.0	4.3	4.3	—	2.4
C 32 2_33.1	33.1	0.19	1.7	1.7	3.0	3.0	4.3	4.3	—	2.4
C 32 2_36.1	36.1	0.14	1.6	1.6	3.0	2.9	4.2	4.2	—	2.4
C 32 2_40.7	40.7	0.14	1.6	1.6	3.0	2.9	4.2	4.2	—	2.4
C 32 2_45.3	45.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.3
C 32 2_52.4	52.4	0.08	1.6	1.6	2.9	2.9	4.2	4.2	—	2.3
C 32 2_59.4	59.4	0.07	1.5	1.5	2.9	2.9	4.2	4.2	—	2.3
C 32 2_66.8	66.8	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	2.3
C 32 3_74.7	74.7	0.06	1.5	1.5	2.9	2.9	4.1	4.1	—	0.96
C 32 3_82.6	82.6	0.06	1.5	1.5	2.9	2.8	4.1	4.1	—	0.96
C 32 3_94.2	94.2	0.06	1.5	1.5	2.9	2.8	4.1	4.1	—	0.96
C 32 3_103.3	103.3	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 32 3_110.6	110.6	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 32 3_122.4	122.4	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 32 3_136.0	136.0	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 32 3_148.4	148.4	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 32 3_167.4	167.4	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	0.95
C 32 3_186.0	186.0	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 32 3_215.6	215.6	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 32 3_244.2	244.2	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94
C 32 3_274.7	274.7	0.04	1.5	1.5	2.9	2.8	4.1	4.1	—	0.94



C 32

	i	J (•10^-4) [kgm²] SERVO 60A SK	60A SC	60B 80A SK	60B 80A SC	95A SK	95A SC	80C 95B 110A SK	80C 95B 110A SC	95C 110B SK	95C 110B SC	130A SK	130A SC
C 32 2_2.9	2.9	—	—	—	—	—	—	5.2	5.7	5.1	6.1	5.1	6.1
C 32 2_3.4	3.4	—	—	—	—	—	—	4.6	5.1	4.6	5.6	4.6	5.6
C 32 2_3.7	3.7	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
C 32 2_4.5	4.5	—	—	—	—	—	—	4.0	4.5	4.0	5.0	4.0	5.0
C 32 2_5.0	5.0	1.1	1.4	1.2	1.6	3.7	4.1	3.7	4.2	3.7	4.7	3.7	4.7
C 32 2_5.7	5.7	1.1	1.4	1.1	1.5	3.6	4.1	3.7	4.2	3.6	4.6	3.6	4.6
C 32 2_6.3	6.3	0.90	1.2	0.92	1.4	3.5	3.9	3.5	4.0	3.4	4.4	3.4	4.4
C 32 2_7.2	7.2	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
C 32 2_8.5	8.5	—	—	—	—	—	—	4.1	4.6	4.0	5.0	4.0	5.0
C 32 2_9.3	9.3	—	—	—	—	—	—	3.9	4.4	3.9	4.9	3.9	4.9
C 32 2_11.2	11.2	—	—	—	—	—	—	3.7	4.2	3.6	4.6	3.6	4.6
C 32 2_12.3	12.3	0.87	1.1	0.89	1.3	3.4	3.9	3.4	3.9	3.4	4.4	3.4	4.4
C 32 2_14.1	14.1	0.88	1.1	0.90	1.3	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4
C 32 2_15.6	15.6	0.73	0.99	0.75	1.2	3.3	3.7	3.3	3.8	3.2	4.2	3.2	4.2
C 32 2_18.2	18.2	0.69	0.95	0.71	1.1	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2
C 32 2_20.1	20.1	0.61	0.87	0.63	1.1	3.2	3.6	3.2	3.7	3.1	4.1	3.1	4.1
C 32 2_22.9	22.9	0.58	0.84	0.60	1.0	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1
C 32 2_25.1	25.1	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0	3.0	4.0
C 32 2_26.9	26.9	0.51	0.77	0.53	0.97	3.1	3.5	3.1	3.6	3.0	4.0	3.0	4.0
C 32 2_29.8	29.8	0.46	0.72	0.48	0.92	3.0	3.4	3.0	3.5	3.0	4.0	3.0	4.0
C 32 2_33.1	33.1	0.46	0.72	0.48	0.92	3.0	3.4	3.0	3.5	3.0	4.0	3.0	4.0
C 32 2_36.1	36.1	0.41	0.67	0.43	0.87	3.0	3.4	3.0	3.5	2.9	3.9	2.9	3.9
C 32 2_40.7	40.7	0.41	0.67	0.43	0.87	3.0	3.4	3.0	3.5	2.9	3.9	2.9	3.9
C 32 2_45.3	45.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
C 32 2_52.4	52.4	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.9	3.9	2.9	3.9
C 32 2_59.4	59.4	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.9	3.9	2.9	3.9
C 32 2_66.8	66.8	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	2.8	3.8
C 32 3_74.7	74.7	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.9	3.9	—	—
C 32 3_82.6	82.6	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_94.2	94.2	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_103.3	103.3	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_110.6	110.6	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_122.4	122.4	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_136.0	136.0	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_148.4	148.4	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_167.4	167.4	0.32	0.58	0.34	0.78	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_186.0	186.0	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_215.6	215.6	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_244.2	244.2	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—
C 32 3_274.7	274.7	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—

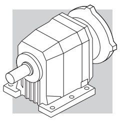


C 36

	i	J (•10^{-4}) [kgm^2]								
			IEC							
			63	71	80	90	100	112	132	
C 36 2_2.7	2.7	3.6	—	—	6.5	6.4	7.7	7.7	22	14
C 36 2_3.2	3.2	2.5	—	—	5.4	5.3	6.6	6.6	21	13
C 36 2_3.5	3.5	2.4	—	—	5.3	5.2	6.5	6.5	20	13
C 36 2_4.2	4.2	1.6	—	—	4.5	4.4	5.7	5.7	20	12
C 36 2_4.6	4.6	1.5	3.0	3.0	4.4	4.3	5.6	5.6	19	12
C 36 2_5.3	5.3	1.1	2.6	2.6	4.0	3.9	5.2	5.2	19	12
C 36 2_5.8	5.8	0.98	2.5	2.5	3.9	3.8	5.1	5.1	19	12
C 36 2_6.8	6.8	2.2	—	—	5.1	5.0	6.3	6.3	20	13
C 36 2_8.0	8.0	1.6	—	—	4.4	4.3	5.6	5.6	20	12
C 36 2_8.8	8.8	1.5	—	—	4.4	4.3	5.6	5.6	19	12
C 36 2_10.6	10.6	1.1	—	—	3.9	3.8	5.1	5.1	19	12
C 36 2_11.7	11.7	1.0	2.5	2.5	3.9	3.8	5.1	5.1	19	12
C 36 2_13.3	13.3	0.69	2.2	2.2	3.6	3.5	4.8	4.8	19	11
C 36 2_14.8	14.8	0.68	2.2	2.2	3.6	3.5	4.8	4.8	19	11
C 36 2_17.2	17.2	0.47	2.0	2.0	3.4	3.3	4.6	4.6	18	11
C 36 2_19.0	19.0	0.47	2.0	2.0	3.4	3.3	4.6	4.6	18	11
C 36 3_22.1	22.1	1.8	—	—	4.7	4.6	5.9	5.9	19	12
C 36 3_26.2	26.2	1.3	—	—	4.2	4.1	5.4	5.4	19	12
C 36 3_28.7	28.7	1.3	—	—	4.2	4.1	5.4	5.4	19	12
C 36 3_34.6	34.6	0.88	—	—	3.8	3.7	5.0	5.0	19	11
C 36 3_38.1	38.1	0.90	2.4	2.4	3.8	3.7	5.0	5.0	19	11
C 36 3_43.5	43.5	0.59	2.1	2.1	3.5	3.4	4.7	4.7	19	11
C 36 3_48.2	48.2	0.60	2.1	2.1	3.5	3.4	4.7	4.7	19	11
C 36 3_56.2	56.2	0.41	1.9	1.9	3.3	3.2	4.5	4.5	18	11
C 36 3_62.0	62.0	0.42	1.9	1.9	3.3	3.2	4.5	4.5	18	11
C 36 3_70.8	70.8	0.30	1.8	1.8	3.2	3.1	4.4	4.4	18	11
C 36 3_77.6	77.6	0.28	1.8	1.8	3.2	3.1	4.4	4.4	17	11
C 36 3_83.1	83.1	0.24	1.7	1.7	3.1	3.0	4.3	4.3	—	11
C 36 3_91.9	91.9	0.21	1.7	1.7	3.1	3.0	4.3	4.3	—	11
C 36 3_102.2	102.2	0.19	1.7	1.7	3.1	3.0	4.3	4.3	—	11
C 36 3_111.5	111.5	0.16	1.7	1.7	3.1	3.0	4.3	4.3	—	11
C 36 3_125.8	125.8	0.14	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 36 3_139.8	139.8	0.11	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 36 3_162.0	162.0	0.09	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 36 3_183.5	183.5	0.07	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 36 3_206.4	206.4	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 36 4_230.9	230.9	0.08	—	—	—	—	—	—	—	—
C 36 4_255.0	255.0	0.08	1.6	1.6	3.0	2.9	4.2	4.2	—	0.90
C 36 4_290.9	290.9	0.07	1.6	1.6	3.0	2.9	4.2	4.2	—	0.89
C 36 4_318.9	318.9	0.07	1.6	1.6	3.0	2.9	4.2	4.2	—	0.89
C 36 4_341.7	341.7	0.07	1.6	1.6	3.0	2.9	4.2	4.2	—	0.89
C 36 4_377.9	377.9	0.07	1.6	1.6	3.0	2.9	4.2	4.2	—	0.89
C 36 4_420.2	420.2	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88
C 36 4_458.4	458.4	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88
C 36 4_517.2	517.2	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88
C 36 4_574.7	574.7	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88
C 36 4_665.9	665.9	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88
C 36 4_754.2	754.2	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88
C 36 4_848.5	848.5	0.06	1.6	1.6	3.0	2.9	4.2	4.2	—	0.88

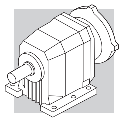
C 36

	i	J (•10^{-4}) [kgm^2] SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
C 36 2_2.7	2.7	—	—	—	—	—	—	6.5	7.0	6.4	7.4	6.4	7.4
C 36 2_3.2	3.2	—	—	—	—	—	—	5.4	5.9	5.3	6.3	5.3	6.3
C 36 2_3.5	3.5	—	—	—	—	—	—	5.3	5.8	5.2	6.2	5.2	6.2
C 36 2_4.2	4.2	—	—	—	—	—	—	4.5	5.0	4.4	5.4	4.4	5.4
C 36 2_4.6	4.6	1.8	2.0	1.8	2.2	4.3	4.7	4.4	4.9	4.3	5.3	4.3	5.3
C 36 2_5.3	5.3	1.4	1.6	1.4	1.8	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9
C 36 2_5.8	5.8	1.3	1.5	1.3	1.7	3.8	4.2	3.9	4.4	3.8	4.8	3.8	4.8
C 36 2_6.8	6.8	—	—	—	—	—	—	5.1	5.6	5.0	6.0	5.0	6.0
C 36 2_8.0	8.0	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
C 36 2_8.8	8.8	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
C 36 2_10.6	10.6	—	—	—	—	—	—	3.9	4.4	3.8	4.8	3.8	4.8
C 36 2_11.7	11.7	1.3	1.5	1.3	1.7	3.8	4.3	3.9	4.4	3.8	4.8	3.8	4.8
C 36 2_13.3	13.3	0.96	1.2	0.98	1.4	3.5	3.9	3.6	4.1	3.5	4.5	3.5	4.5
C 36 2_14.8	14.8	0.95	1.2	0.97	1.4	3.5	3.9	3.6	4.1	3.5	4.5	3.5	4.5
C 36 2_17.2	17.2	0.74	1.0	0.76	1.2	3.3	3.7	3.4	3.9	3.3	4.3	3.3	4.3
C 36 2_19.0	19.0	0.74	1.0	0.76	1.2	3.3	3.7	3.4	3.9	3.3	4.3	3.3	4.3
C 36 3_22.1	22.1	—	—	—	—	—	—	4.7	5.2	4.6	5.6	4.6	5.6
C 36 3_26.2	26.2	—	—	—	—	—	—	4.2	4.7	4.1	5.1	4.1	5.1
C 36 3_28.7	28.7	—	—	—	—	—	—	4.2	4.7	4.1	5.1	4.1	5.1
C 36 3_34.6	34.6	—	—	—	—	—	—	3.8	4.3	3.7	4.7	3.7	4.7
C 36 3_38.1	38.1	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7	3.7	4.7
C 36 3_43.5	43.5	0.86	1.1	0.88	1.3	3.4	3.8	3.5	4.0	3.4	4.4	3.4	4.4
C 36 3_48.2	48.2	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4
C 36 3_56.2	56.2	0.68	0.94	0.70	1.1	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2
C 36 3_62.0	62.0	0.69	0.95	0.71	1.1	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2
C 36 3_70.8	70.8	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1
C 36 3_77.6	77.6	0.55	0.81	0.57	1.0	3.1	3.5	3.2	3.7	3.1	4.1	3.1	4.1
C 36 3_83.1	83.1	0.51	0.77	0.53	0.97	3.1	3.5	3.1	3.6	3.0	4.0	3.0	4.0
C 36 3_91.9	91.9	0.48	0.74	0.50	0.94	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
C 36 3_102.2	102.2	0.46	0.72	0.48	0.92	3.0	3.4	3.1	3.6	3.0	4.0	3.0	4.0
C 36 3_111.5	111.5	0.43	0.69	0.45	0.89	3.0	3.4	3.1	3.6	3.0	4.0	3.0	4.0
C 36 3_125.8	125.8	0.41	0.67	0.43	0.87	3.0	3.4	3.0	3.5	2.9	3.9	2.9	3.9
C 36 3_139.8	139.8	0.38	0.64	0.40	0.84	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
C 36 3_162.0	162.0	0.36	0.62	0.38	0.82	2.9	3.3	3.0	3.5	2.9	3.9	2.9	3.9
C 36 3_183.5	183.5	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9	2.9	3.9
C 36 3_206.4	206.4	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	2.9	3.9
C 36 4_230.9	230.9	0.35	0.61	0.37	0.81	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_255.0	255.0	0.35	0.61	0.37	0.81	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_290.9	290.9	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_318.9	318.9	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_341.7	341.7	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_377.9	377.9	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_420.2	420.2	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_458.4	458.4	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_517.2	517.2	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_574.7	574.7	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_665.9	665.9	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_754.2	754.2	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
C 36 4_848.5	848.5	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—

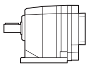


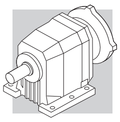
C 41

	i	J (•10-4) [kgm2]								
			IEC							
			63	71	80	90	100	112	132	
C 41 2_2.7	2.7	10	—	—	13	13	14	14	29	21
C 41 2_3.6	3.6	6.0	—	—	8.9	8.8	10	10	25	17
C 41 2_4.7	4.7	3.7	—	—	6.6	6.5	7.8	7.8	23	14
C 41 2_6.0	6.0	2.5	—	—	5.4	5.3	6.6	6.6	21	13
C 41 2_6.4	6.4	4.3	—	—	7.2	7.1	8.4	8.4	23	15
C 41 2_7.1	7.1	4.1	—	—	7.0	6.9	8.2	8.2	23	15
C 41 2_8.6	8.6	2.9	—	—	5.8	5.7	7.0	7.0	22	13
C 41 2_9.6	9.6	2.8	—	—	5.7	5.6	6.9	6.9	22	13
C 41 2_11.2	11.2	1.8	—	—	4.7	4.6	5.9	5.9	21	12
C 41 2_12.4	12.4	1.8	—	—	4.7	4.6	5.9	5.9	21	12
C 41 2_14.2	14.2	1.4	2.9	2.9	4.3	4.2	5.5	5.5	20	12
C 41 2_15.8	15.8	1.3	2.8	2.8	4.2	4.1	5.4	5.4	20	12
C 41 2_17.8	17.8	1.0	2.5	2.5	3.9	3.8	5.1	5.1	20	12
C 41 2_19.8	19.8	0.98	2.5	2.5	3.9	3.8	5.1	5.1	20	12
C 41 2_22.6	22.6	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	11
C 41 2_25.0	25.0	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	11
C 41 2_28.3	28.3	0.44	1.9	1.9	3.3	3.2	4.5	4.5	19	11
C 41 2_31.4	31.4	0.43	1.9	1.9	3.3	3.2	4.5	4.5	19	11
C 41 2_33.4	33.4	0.34	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 2_37.1	37.1	0.33	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 2_44.8	44.8	0.27	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 3_28.5	28.5	2.5	—	—	5.4	5.3	6.6	6.6	21	13
C 41 3_31.2	31.2	2.5	—	—	5.4	5.3	6.6	6.6	21	13
C 41 3_36.8	36.8	1.6	—	—	4.5	4.4	5.7	5.7	21	12
C 41 3_40.3	40.3	1.6	—	—	4.5	4.4	5.7	5.7	21	12
C 41 3_47.0	47.0	1.2	2.7	2.7	4.1	4.0	5.3	5.3	20	12
C 41 3_51.5	51.5	1.2	2.7	2.7	4.1	4.0	5.3	5.3	20	12
C 41 3_58.7	58.7	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	11
C 41 3_64.3	64.3	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	11
C 41 3_74.4	74.4	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	11
C 41 3_81.5	81.5	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	11
C 41 3_93.9	93.9	0.40	1.9	1.9	3.3	3.2	4.5	4.5	19	11
C 41 3_102.3	102.3	0.40	1.9	1.9	3.3	3.2	4.5	4.5	19	11
C 41 3_110.1	110.1	0.30	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 3_120.6	120.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 3_132.9	132.9	0.30	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 3_145.6	145.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	—	11
C 41 3_164.1	164.1	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	11
C 41 3_179.9	179.9	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	11
C 41 3_190.8	190.8	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 41 3_209.1	209.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	11
C 41 4_239.9	239.9	0.15	1.7	1.7	3.1	3.0	4.3	4.3	—	2.1
C 41 4_263.0	263.0	0.15	1.7	1.7	3.1	3.0	4.3	4.3	—	2.1
C 41 4_304.2	304.2	0.13	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_333.4	333.4	0.13	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_382.0	382.0	0.12	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_419.0	419.0	0.12	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_450.2	450.2	0.12	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_493.5	493.5	0.12	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_543.5	543.5	0.12	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_595.8	595.8	0.12	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_671.3	671.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_735.9	735.9	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_780.4	780.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0
C 41 4_855.5	855.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	—	2.0



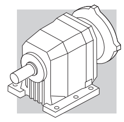
C 41

	i	J (•10^{-4}) [kgm^2]																	
		 SERVO																	
		60A		60B 80A		80B		95A		80C 95B 110A		95C 110B		130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
C 41 2_2.7	2.7	—	—	—	—	—	—	—	—	13	14	13	14	13	14	27	29	29	34
C 41 2_3.6	3.6	—	—	—	—	—	—	—	—	8.9	9.4	8.8	9.8	8.8	9.8	23	25	25	30
C 41 2_4.7	4.7	—	—	—	—	—	—	—	—	6.6	7.1	6.5	7.5	6.5	7.5	21	23	23	28
C 41 2_6.0	6.0	—	—	—	—	5.3	5.8	5.3	5.8	5.4	5.9	5.3	6.3	5.3	6.3	19	22	21	26
C 41 2_6.4	6.4	—	—	—	—	—	—	—	—	7.2	7.7	7.1	8.1	7.1	8.1	21	24	23	28
C 41 2_7.1	7.1	—	—	—	—	—	—	—	—	7.0	7.5	6.9	7.9	6.9	7.9	21	24	23	28
C 41 2_8.6	8.6	—	—	—	—	—	—	—	—	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
C 41 2_9.6	9.6	—	—	—	—	—	—	—	—	5.7	6.2	5.6	6.6	5.6	6.6	20	22	22	27
C 41 2_11.2	11.2	—	—	—	—	—	—	—	—	4.7	5.2	4.6	5.6	4.6	5.6	19	21	21	26
C 41 2_12.4	12.4	—	—	—	—	—	—	—	—	4.7	5.2	4.6	5.6	4.6	5.6	19	21	21	26
C 41 2_14.2	14.2	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	18	21	20	25
C 41 2_15.8	15.8	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	18	21	20	25
C 41 2_17.8	17.8	—	—	—	—	3.8	5.3	3.8	5.3	3.9	4.4	3.8	4.8	3.8	4.8	18	20	20	25
C 41 2_19.8	19.8	—	—	—	—	3.8	4.2	3.8	4.2	3.9	4.4	3.8	4.8	3.8	4.8	18	20	20	25
C 41 2_22.6	22.6	—	—	—	—	3.4	3.9	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4	18	20	20	25
C 41 2_25.0	25.0	—	—	—	—	3.4	3.9	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4	18	20	20	25
C 41 2_28.3	28.3	—	—	—	—	3.3	3.7	3.3	3.7	3.3	3.8	3.2	4.2	3.2	4.2	17	20	19	24
C 41 2_31.4	31.4	—	—	—	—	3.3	3.7	3.3	3.7	3.3	3.8	3.2	4.2	3.2	4.2	17	20	19	24
C 41 2_33.4	33.4	—	—	—	—	3.2	3.6	3.2	3.6	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 2_37.1	37.1	—	—	—	—	3.2	3.6	3.2	3.6	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 2_44.8	44.8	—	—	—	—	3.1	3.5	3.1	3.5	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 3_28.5	28.5	—	—	—	—	—	—	—	—	5.4	5.9	5.3	6.3	5.3	6.3	19	22	21	26
C 41 3_31.2	31.2	—	—	—	—	—	—	—	—	5.4	5.9	5.3	6.3	5.3	6.3	19	22	21	26
C 41 3_36.8	36.8	—	—	—	—	—	—	—	—	4.5	5.0	4.4	5.4	4.4	5.4	19	21	21	26
C 41 3_40.3	40.3	—	—	—	—	—	—	—	—	4.5	5.0	4.4	5.4	4.4	5.4	19	21	21	26
C 41 3_47.0	47.0	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	18	21	20	25
C 41 3_51.5	51.5	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	18	21	20	25
C 41 3_58.7	58.7	—	—	—	—	3.7	4.2	3.7	4.2	3.8	4.3	3.7	4.7	3.7	4.7	18	20	20	25
C 41 3_64.3	64.3	—	—	—	—	3.7	4.2	3.7	4.2	3.8	4.3	3.7	4.7	3.7	4.7	18	20	20	25
C 41 3_74.4	74.4	—	—	—	—	3.4	3.9	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4	18	20	20	25
C 41 3_81.5	81.5	—	—	—	—	3.4	3.9	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4	18	20	20	25
C 41 3_93.9	93.9	—	—	—	—	3.2	3.7	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2	17	20	19	24
C 41 3_102.3	102.3	—	—	—	—	3.2	3.7	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2	17	20	19	24
C 41 3_110.1	110.1	—	—	—	—	3.1	3.6	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 3_120.6	120.6	—	—	—	—	3.1	3.6	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 3_132.9	132.9	—	—	—	—	3.1	3.6	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 3_145.6	145.6	—	—	—	—	3.1	3.6	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
C 41 3_164.1	164.1	—	—	—	—	3.0	3.5	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0	—	—	—	—
C 41 3_179.9	179.9	—	—	—	—	3.0	3.5	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0	—	—	—	—
C 41 3_190.8	190.8	—	—	—	—	2.9	3.4	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9	—	—	—	—
C 41 3_209.1	209.1	—	—	—	—	2.9	3.4	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9	—	—	—	—
C 41 4_239.9	239.9	0.42	0.68	0.44	0.88	—	—	3.0	3.4	3.1	3.6	3.0	4.0	—	—	—	—	—	—
C 41 4_263.0	263.0	0.42	0.68	0.44	0.88	—	—	3.0	3.4	3.1	3.6	3.0	4.0	—	—	—	—	—	—
C 41 4_304.2	304.2	0.40	0.66	0.42	0.86	—	—	3.0	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_333.4	333.4	0.40	0.66	0.42	0.86	—	—	3.0	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_382.0	382.0	0.39	0.65	0.41	0.85	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_419.0	419.0	0.39	0.65	0.41	0.85	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_450.2	450.2	0.39	0.65	0.41	0.85	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_493.5	493.5	0.39	0.65	0.41	0.85	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_543.5	543.5	0.39	0.65	0.41	0.85	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_595.8	595.8	0.39	0.65	0.41	0.85	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_671.3	671.3	0.37	0.63	0.39	0.83	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_735.9	735.9	0.37	0.63	0.39	0.83	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_780.4	780.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—
C 41 4_855.5	855.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	3.0	3.5	2.9	3.9	—	—	—	—	—	—



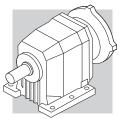
C 51

	i	J (•10⁻⁴) [kgm²]										
			IEC									
			63	71	80	90	100	112	132	160	180	
C 51 2_2.6	2.6	15	—	—	17	17	19	19	33	79	76	25
C 51 2_3.3	3.3	10	—	—	13	13	14	14	29	75	72	21
C 51 2_4.5	4.5	6.3	—	—	9.2	9.1	10	10	25	71	68	17
C 51 2_5.6	5.6	4.1	—	—	7.0	6.9	8.2	8.2	23	69	66	15
C 51 2_7.0	7.0	8.1	—	—	11	11	12	12	27	73	70	19
C 51 2_7.8	7.8	7.8	—	—	11	11	12	12	27	73	70	18
C 51 2_8.8	8.8	6.0	—	—	8.9	8.8	10	10	25	71	68	17
C 51 2_9.8	9.8	5.8	—	—	8.7	8.6	9.9	9.9	25	71	68	16
C 51 2_11.8	11.8	4.1	—	—	7.0	6.9	8.2	8.2	23	69	66	15
C 51 2_13.1	13.1	4.0	—	—	6.9	6.8	8.1	8.1	23	69	66	15
C 51 2_15.0	15.0	2.7	—	—	5.6	5.5	6.8	6.8	22	68	65	13
C 51 2_16.6	16.6	2.6	—	—	5.5	5.4	6.7	6.7	22	68	65	13
C 51 2_18.9	18.9	2.0	3.5	3.5	4.9	4.8	6.1	6.1	21	67	64	13
C 51 2_21.0	21.0	1.9	3.4	3.4	4.8	4.7	6.0	6.0	21	67	64	12
C 51 2_23.4	23.4	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	66	63	12
C 51 2_25.9	25.9	1.4	2.9	2.9	4.3	4.2	5.5	5.5	20	66	63	12
C 51 2_29.8	29.8	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	66	63	11
C 51 2_33.0	33.0	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	66	63	11
C 51 2_36.4	36.4	0.70	2.2	2.2	3.6	3.5	4.8	4.8	20	66	63	11
C 51 2_40.4	40.4	0.70	2.2	2.2	3.6	3.5	4.8	4.8	20	66	63	11
C 51 2_43.1	43.1	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 51 2_47.8	47.8	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 51 2_51.4	51.4	0.40	1.9	1.9	3.3	3.2	4.5	4.5	—	—	—	11
C 51 2_57.0	57.0	0.40	1.9	1.9	3.3	3.2	4.5	4.5	—	—	—	11
C 51 3_21.8	21.8	6.8	—	—	9.7	9.6	11	11	26	72	69	17
C 51 3_23.9	23.9	6.8	—	—	9.7	9.6	11	11	26	72	69	17
C 51 3_27.4	27.4	5.2	—	—	8.1	8.0	9.3	9.3	24	70	67	16
C 51 3_30.1	30.1	5.2	—	—	8.1	8.0	9.3	9.3	24	70	67	16
C 51 3_37.0	37.0	3.6	—	—	6.5	6.4	7.7	7.7	23	69	66	14
C 51 3_40.5	40.5	3.6	—	—	6.5	6.4	7.7	7.7	23	69	66	14
C 51 3_46.7	46.7	2.4	—	—	5.3	5.2	6.5	6.5	21	67	64	13
C 51 3_51.2	51.2	2.4	—	—	5.3	5.2	6.5	6.5	21	67	64	13
C 51 3_59.0	59.0	1.8	3.3	3.3	4.7	4.6	5.9	5.9	21	67	64	12
C 51 3_64.6	64.6	1.8	3.3	3.3	4.7	4.6	5.9	5.9	21	67	64	12
C 51 3_72.9	72.9	1.3	2.8	2.8	4.2	4.1	5.4	5.4	20	66	63	12
C 51 3_79.9	79.9	1.3	2.8	2.8	4.2	4.1	5.4	5.4	20	66	63	12
C 51 3_93.0	93.0	0.80	2.3	2.3	3.7	3.6	4.9	4.9	20	66	63	11
C 51 3_101.8	101.8	0.80	2.3	2.3	3.7	3.6	4.9	4.9	20	66	63	11
C 51 3_113.6	113.6	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	66	63	11
C 51 3_124.4	124.4	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	66	63	11
C 51 3_134.6	134.6	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 51 3_147.4	147.4	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 51 3_160.5	160.5	0.40	1.9	1.9	3.3	3.2	4.5	4.5	—	—	—	11
C 51 3_175.8	175.8	0.40	1.9	1.9	3.3	3.2	4.5	4.5	—	—	—	11
C 51 3_197.9	197.9	0.30	1.8	1.8	3.2	3.1	4.4	4.4	—	—	—	11
C 51 3_216.7	216.7	0.30	1.8	1.8	3.2	3.1	4.4	4.4	—	—	—	11
C 51 4_240.9	240.9	0.30	1.8	1.8	3.2	3.1	4.4	4.4	17	—	—	1.2
C 51 4_263.8	263.8	0.30	1.8	1.8	3.2	3.1	4.4	4.4	17	—	—	1.2
C 51 4_297.8	297.8	0.30	1.8	1.8	3.2	3.1	4.4	4.4	17	—	—	1.2
C 51 4_326.1	326.1	0.30	1.8	1.8	3.2	3.1	4.4	4.4	17	—	—	1.2
C 51 4_380.0	380.0	0.20	1.7	1.7	3.1	3.0	4.3	4.3	17	—	—	1.1
C 51 4_416.0	416.0	0.20	1.7	1.7	3.1	3.0	4.3	4.3	17	—	—	1.1
C 51 4_463.9	463.9	0.20	1.7	1.7	3.1	3.0	4.3	4.3	17	—	—	1.1
C 51 4_508.0	508.0	0.20	1.7	1.7	3.1	3.0	4.3	4.3	17	—	—	1.1
C 51 4_549.7	549.7	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	1.1
C 51 4_602.0	602.0	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	1.1
C 51 4_655.4	655.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	1.1
C 51 4_717.7	717.7	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	1.1
C 51 4_808.0	808.0	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	1.1
C 51 4_884.9	884.9	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	1.1



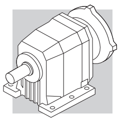
C 51

	i	J (•10-4) [kgm2] SERVO 80B		95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
C 51 2_2.6	2.6	—	—	—	—	17	18	17	18	32	34	33	38
C 51 2_3.3	3.3	—	—	—	—	13	14	13	14	27	29	29	34
C 51 2_4.5	4.5	—	—	—	—	9.2	9.7	9.1	10	23	26	25	30
C 51 2_5.6	5.6	—	—	—	—	7.0	7.5	6.9	7.9	21	24	23	28
C 51 2_7.0	7.0	—	—	—	—	11	12	11	12	25	28	27	32
C 51 2_7.8	7.8	—	—	—	—	11	12	11	12	25	27	27	32
C 51 2_8.8	8.8	—	—	—	—	8.9	9.4	8.8	9.8	23	25	25	30
C 51 2_9.8	9.8	—	—	—	—	8.7	9.2	8.6	9.6	23	25	25	30
C 51 2_11.8	11.8	—	—	—	—	7.0	7.5	6.9	7.9	21	24	23	28
C 51 2_13.1	13.1	—	—	—	—	6.9	7.4	6.8	7.8	21	23	23	28
C 51 2_15.0	15.0	—	—	—	—	5.6	6.1	5.5	6.5	20	22	22	27
C 51 2_16.6	16.6	—	—	—	—	5.5	6.0	5.4	6.4	20	22	22	27
C 51 2_18.9	18.9	4.8	5.3	4.8	5.3	4.9	5.4	4.8	5.8	19	21	21	26
C 51 2_21.0	21.0	4.7	5.2	4.7	5.2	4.8	5.3	4.7	5.7	19	21	21	26
C 51 2_23.4	23.4	4.3	4.8	4.3	4.8	4.4	4.3	4.3	5.3	18	21	20	25
C 51 2_25.9	25.9	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	18	21	20	25
C 51 2_29.8	29.8	3.7	4.2	3.7	4.2	3.8	4.3	3.7	4.7	18	20	20	25
C 51 2_33.0	33.0	3.7	4.2	3.7	4.2	3.8	4.3	3.7	4.7	18	20	20	25
C 51 2_36.4	36.4	3.5	4.0	3.5	4.0	3.6	4.1	3.5	4.5	18	20	20	25
C 51 2_40.4	40.4	3.5	4.0	3.5	4.0	3.6	4.1	3.5	4.5	18	20	20	25
C 51 2_43.1	43.1	3.3	3.8	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 51 2_47.8	47.8	3.3	3.8	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 51 2_51.4	51.4	3.2	3.7	3.2	3.7	3.3	3.8	3.2	4.2	—	—	—	—
C 51 2_57.0	57.0	3.2	3.7	3.2	3.7	3.3	3.8	3.2	4.2	—	—	—	—
C 51 3_21.8	21.8	—	—	—	—	9.7	10	9.6	11	24	26	26	31
C 51 3_23.9	23.9	—	—	—	—	9.7	10	9.6	11	24	26	26	31
C 51 3_27.4	27.4	—	—	—	—	8.1	8.6	8.0	9.0	22	25	24	29
C 51 3_30.1	30.1	—	—	—	—	8.1	8.6	8.0	9.0	22	25	24	29
C 51 3_37.0	37.0	—	—	—	—	6.5	7.0	6.4	7.4	21	23	23	28
C 51 3_40.5	40.5	—	—	—	—	6.5	7.0	6.4	7.4	21	23	23	28
C 51 3_46.7	46.7	—	—	—	—	5.3	5.8	5.2	6.2	19	22	21	26
C 51 3_51.2	51.2	—	—	—	—	5.3	5.8	5.2	6.2	19	22	21	26
C 51 3_59.0	59.0	4.6	5.1	4.6	5.1	4.7	5.2	4.6	5.6	19	21	21	26
C 51 3_64.6	64.6	4.6	5.1	4.6	5.1	4.7	5.2	4.6	5.6	19	21	21	26
C 51 3_72.9	72.9	4.1	4.6	4.1	4.6	4.2	5.2	4.1	5.1	18	21	20	25
C 51 3_79.9	79.9	4.1	4.6	4.1	4.6	4.2	5.2	4.1	5.1	18	21	20	25
C 51 3_93.0	93.0	3.6	4.1	3.6	4.1	3.7	4.2	3.6	4.6	18	20	20	25
C 51 3_101.8	101.8	3.6	4.1	3.6	4.1	3.7	4.2	3.6	4.6	18	20	20	25
C 51 3_113.6	113.6	3.4	3.9	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
C 51 3_124.4	124.4	3.4	3.9	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
C 51 3_134.6	134.6	3.3	3.8	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 51 3_147.4	147.4	3.3	3.8	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 51 3_160.5	160.5	3.2	3.7	3.2	3.7	3.3	3.8	3.2	4.2	—	—	—	—
C 51 3_175.8	175.8	3.2	3.7	3.2	3.7	3.3	3.8	3.2	4.2	—	—	—	—
C 51 3_197.9	197.9	3.1	3.6	3.1	3.6	3.2	3.7	3.1	4.1	—	—	—	—
C 51 3_216.7	216.7	3.1	3.6	3.1	3.6	3.2	3.7	3.1	4.1	—	—	—	—
C 51 4_240.9	240.9	—	—	3.1	3.6	3.2	3.7	3.1	4.1	—	—	—	—
C 51 4_263.8	263.8	—	—	3.1	3.6	3.2	3.7	3.1	4.1	—	—	—	—
C 51 4_297.8	297.8	—	—	3.1	3.6	3.2	3.7	3.1	4.1	—	—	—	—
C 51 4_326.1	326.1	—	—	3.1	3.6	3.2	3.7	3.1	4.1	—	—	—	—
C 51 4_380.0	380.0	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_416.0	416.0	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_463.9	463.9	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_508.0	508.0	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_549.7	549.7	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_602.0	602.0	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_655.4	655.4	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_717.7	717.7	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_808.0	808.0	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—
C 51 4_884.9	884.9	—	—	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—



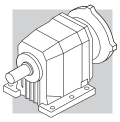
C 61

	i	J (•10-4) [kgm2]	IEC								
			63	71	80	90	100	112	132	160	180	
C 61 2_2.8	2.8	30	—	—	—	—	—	—	49	78	76	52
C 61 2_3.7	3.7	19	—	—	22	22	23	23	38	78	76	41
C 61 2_4.6	4.6	14	—	—	17	17	18	18	33	78	76	36
C 61 2_6.0	6.0	8.8	—	—	12	12	13	13	28	78	76	31
C 61 2_6.7	6.7	14	—	—	—	—	—	—	33	78	76	36
C 61 2_7.5	7.5	13	—	—	—	—	—	—	32	78	76	35
C 61 2_8.8	8.8	13	—	—	16	16	17	17	32	78	76	35
C 61 2_9.8	9.8	12	—	—	15	15	16	16	31	78	76	34
C 61 2_10.9	10.9	9.6	—	—	13	12	14	14	29	78	76	31
C 61 2_12.1	12.1	9.2	—	—	12	12	13	13	28	78	76	31
C 61 2_14.3	14.3	5.8	—	—	8.7	8.6	9.9	9.9	25	78	76	28
C 61 2_15.9	15.9	5.6	—	—	8.5	8.4	9.7	9.7	25	78	76	27
C 61 2_17.7	17.7	4.4	—	—	7.3	7.2	8.5	8.5	23	78	76	26
C 61 2_19.6	19.6	4.3	—	—	7.2	7.1	8.4	8.4	23	78	76	26
C 61 2_22.4	22.4	3.2	4.7	4.7	6.1	6.0	7.3	7.3	22	78	76	25
C 61 2_24.8	24.8	3.1	4.6	4.6	6.0	5.9	7.2	7.2	22	78	76	25
C 61 2_27.4	27.4	2.1	3.6	3.6	5.0	4.9	6.2	6.2	21	78	76	24
C 61 2_30.4	30.4	2.2	3.7	3.7	5.1	5.0	6.3	6.3	21	78	76	24
C 61 2_34.2	34.2	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	78	76	23
C 61 2_38.0	38.0	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	78	76	23
C 61 3_26.8	26.8	10	—	—	13	13	14	14	29	78	76	32
C 61 3_29.4	29.4	10	—	—	13	13	14	14	29	78	76	32
C 61 3_33.0	33.0	8.1	—	—	11	11	12	12	27	78	76	30
C 61 3_36.1	36.1	8.1	—	—	11	11	12	12	27	78	76	30
C 61 3_43.4	43.4	5.0	—	—	7.9	7.8	9.1	9.1	24	78	76	27
C 61 3_47.6	47.6	5.0	—	—	7.9	7.8	9.1	9.1	24	78	76	27
C 61 3_53.5	53.5	3.9	—	—	6.8	6.7	8.0	8.0	23	78	76	26
C 61 3_58.6	58.6	3.8	—	—	6.7	6.6	7.9	7.9	23	78	76	26
C 61 3_67.7	67.7	2.8	4.3	4.3	5.7	5.6	6.9	6.9	22	78	76	25
C 61 3_74.2	74.2	2.8	4.3	4.3	5.7	5.6	6.9	6.9	22	78	76	25
C 61 3_83.0	83.0	1.9	3.4	3.4	4.8	4.7	6.0	6.0	21	78	76	24
C 61 3_91.0	91.0	1.9	3.4	3.4	4.8	4.7	6.0	6.0	21	78	76	24
C 61 3_103.6	103.6	1.3	2.8	2.8	4.2	4.1	5.4	5.4	20	78	76	23
C 61 3_113.6	113.6	1.3	2.8	2.8	4.2	4.1	5.4	5.4	20	78	76	23
C 61 3_128.1	128.1	1.0	2.5	2.5	3.9	3.8	5.1	5.1	20	78	76	23
C 61 3_140.5	140.5	1.0	2.5	2.5	3.9	3.8	5.1	5.1	20	78	76	23
C 61 3_150.0	150.0	0.70	2.2	2.2	3.6	3.5	4.8	4.8	—	—	—	23
C 61 3_164.5	164.5	0.70	2.2	2.2	3.6	3.5	4.8	4.8	—	—	—	23
C 61 3_178.6	178.6	0.60	2.1	2.1	3.5	3.4	4.7	4.7	—	—	—	22
C 61 3_195.8	195.8	0.60	2.1	2.1	3.5	3.4	4.7	4.7	—	—	—	22
C 61 4_217.4	217.4	0.67	2.2	2.2	3.6	3.5	4.8	4.8	—	—	—	11
C 61 4_238.3	238.3	0.67	2.2	2.2	3.6	3.5	4.8	4.8	—	—	—	11
C 61 4_275.3	275.3	0.81	2.3	2.3	3.7	3.6	4.9	4.9	—	—	—	11
C 61 4_301.7	301.7	0.81	2.3	2.3	3.7	3.6	4.9	4.9	—	—	—	11
C 61 4_337.7	337.7	0.56	2.1	2.1	3.5	3.4	4.7	4.7	—	—	—	11
C 61 4_370.1	370.1	0.56	2.1	2.1	3.5	3.4	4.7	4.7	—	—	—	11
C 61 4_421.5	421.5	0.53	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_462.0	462.0	0.53	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_521.1	521.1	0.51	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_571.2	571.2	0.51	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_610.1	610.1	0.49	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_668.8	668.8	0.49	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_726.3	726.3	0.48	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
C 61 4_796.1	796.1	0.48	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11

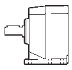
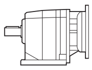
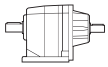


C 61

	i	J (•10-4) [kgm2] SERVO											
		80B		95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
C 61 2_2.8	2.8	—	—	—	—	—	—	—	—	47	49	49	54
C 61 2_3.7	3.7	—	—	—	—	22	23	22	23	36	38	38	43
C 61 2_4.6	4.6	—	—	—	—	17	18	17	18	31	33	33	38
C 61 2_6.0	6.0	—	—	—	—	12	13	12	13	26	28	28	33
C 61 2_6.7	6.7	—	—	—	—	—	—	—	—	31	33	33	38
C 61 2_7.5	7.5	—	—	—	—	—	—	—	—	30	32	32	37
C 61 2_8.8	8.8	—	—	—	—	16	17	16	17	30	32	32	37
C 61 2_9.8	9.8	—	—	—	—	15	16	15	16	23	31	31	36
C 61 2_10.9	10.9	—	—	—	—	13	14	12	13	27	29	29	34
C 61 2_12.1	12.1	—	—	—	—	12	13	12	13	26	29	28	33
C 61 2_14.3	14.3	—	—	—	—	8.7	9.2	8.6	9.6	23	25	25	30
C 61 2_15.9	15.9	—	—	—	—	8.5	9.0	8.4	9.4	23	25	25	30
C 61 2_17.7	17.7	—	—	—	—	7.3	7.8	7.2	8.2	21	24	23	28
C 61 2_19.6	19.6	—	—	—	—	7.2	7.7	7.1	8.1	21	24	23	28
C 61 2_22.4	22.4	—	—	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
C 61 2_24.8	24.8	—	—	5.9	6.4	6.0	6.5	5.9	6.9	20	23	22	27
C 61 2_27.4	27.4	—	—	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
C 61 2_30.4	30.4	—	—	5.0	5.5	5.1	5.6	5.0	6.0	19	22	21	26
C 61 2_34.2	34.2	—	—	4.3	4.8	4.4	4.9	4.3	5.3	18	21	20	25
C 61 2_38.0	38.0	—	—	4.3	4.8	4.4	4.9	4.3	5.3	18	21	20	25
C 61 3_26.8	26.8	—	—	—	—	13	14	13	14	27	29	29	34
C 61 3_29.4	29.4	—	—	—	—	13	14	13	14	27	29	29	34
C 61 3_33.0	33.0	—	—	—	—	11	12	11	12	25	28	27	32
C 61 3_36.1	36.1	—	—	—	—	11	12	11	12	25	28	27	32
C 61 3_43.4	43.4	—	—	—	—	7.9	8.4	7.8	8.8	22	24	24	29
C 61 3_47.6	47.6	—	—	—	—	7.9	8.4	7.8	8.8	22	24	24	29
C 61 3_53.5	53.5	—	—	—	—	6.8	7.3	6.7	7.7	21	23	23	28
C 61 3_58.6	58.6	—	—	—	—	6.7	7.2	6.6	7.6	21	23	23	28
C 61 3_67.7	67.7	—	—	5.6	6.1	5.7	6.2	5.6	6.6	20	22	22	27
C 61 3_74.2	74.2	—	—	5.6	6.1	5.7	6.2	5.6	6.6	20	22	22	27
C 61 3_83.0	83.0	—	—	4.7	5.2	4.8	5.3	4.7	5.7	19	21	21	26
C 61 3_91.0	91.0	—	—	4.7	5.2	4.8	5.3	4.7	5.7	19	21	21	26
C 61 3_103.6	103.6	—	—	4.1	4.6	4.2	4.7	4.1	5.1	18	21	20	25
C 61 3_113.6	113.6	—	—	4.1	4.6	4.2	4.7	4.1	5.1	18	21	20	25
C 61 3_128.1	128.1	—	—	3.8	4.3	3.9	4.4	3.8	4.8	18	20	20	25
C 61 3_140.5	140.5	—	—	3.8	4.3	3.9	4.4	3.8	4.8	18	20	20	25
C 61 3_150.0	150.0	—	—	3.5	4.0	3.6	4.1	3.5	4.5	—	—	—	—
C 61 3_164.5	164.5	—	—	3.5	4.0	3.6	4.1	3.5	4.5	—	—	—	—
C 61 3_178.6	178.6	—	—	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—
C 61 3_195.8	195.8	—	—	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—
C 61 4_217.4	217.4	3.5	3.9	3.5	3.9	3.6	4.1	3.5	4.5	—	—	—	—
C 61 4_238.3	238.3	3.5	3.9	3.5	3.9	3.6	4.1	3.5	4.5	—	—	—	—
C 61 4_275.3	275.3	3.6	4.1	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
C 61 4_301.7	301.7	3.6	4.1	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
C 61 4_337.7	337.7	3.4	3.8	3.4	3.8	3.5	4.0	3.4	4.4	—	—	—	—
C 61 4_370.1	370.1	3.4	3.8	3.4	3.8	3.5	4.0	3.4	4.4	—	—	—	—
C 61 4_421.5	421.5	3.4	3.8	3.4	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_462.0	462.0	3.4	3.8	3.4	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_521.1	521.1	3.3	3.8	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_571.2	571.2	3.3	3.8	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_610.1	610.1	3.3	3.7	3.3	3.7	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_668.8	668.8	3.3	3.7	3.3	3.7	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_726.3	726.3	3.3	3.7	3.3	3.7	3.4	3.9	3.3	4.3	—	—	—	—
C 61 4_796.1	796.1	3.3	3.7	3.3	3.7	3.4	3.9	3.3	4.3	—	—	—	—



C 70

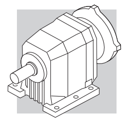
	i		 IEC												
		J (•10^{-4}) [kgm^2]													
			63	71	80	90	100 112	132	160	180	200	225	250	280	
C 70 2_4.6	4.6	—	—	—	—	—	—	—	136	133	143	—	—	—	99
C 70 2_5.9	5.9	—	—	—	—	—	—	—	119	117	126	—	—	—	32
C 70 2_6.3	6.3	—	—	—	—	—	—	—	129	127	136	—	—	—	93
C 70 2_7.5	7.5	26	—	—	—	—	—	45	105	102	112	—	—	—	68
C 70 2_8.0	8.0	—	—	—	—	—	—	—	115	113	122	—	—	—	78
C 70 2_9.5	9.5	19	—	—	—	—	—	38	97	95	—	—	—	—	60
C 70 2_10.2	10.2	24	—	—	—	—	—	43	102	100	109	—	—	—	65
C 70 2_11.2	11.2	15	—	—	—	—	—	34	94	91	—	—	—	—	56
C 70 2_13.0	13.0	17	—	—	—	—	—	36	95	93	—	—	—	—	58
C 70 2_14.1	14.1	9.9	—	—	12	12	14	29	88	86	—	—	—	—	51
C 70 2_15.3	15.3	14	—	—	—	—	—	33	93	90	—	—	—	—	55
C 70 2_16.7	16.7	6.9	—	—	9.5	9.4	11	26	85	83	—	—	—	—	48
C 70 2_19.3	19.3	9.1	—	—	12	12	13	28	87	85	—	—	—	—	50
C 70 2_22.9	22.9	6.4	—	—	9.0	8.9	10	25	85	83	—	—	—	—	48
C 70 2_27.7	27.7	5.2	—	—	8.0	7.9	9.2	24	84	81	—	—	—	—	46
C 70 2_34.7	34.7	3.2	—	—	6.1	6.0	7.3	22	82	79	—	—	—	—	44
C 70 3_41.3	41.3	4.4	—	—	7.2	7.2	8.5	23	83	80	—	—	—	—	46
C 70 3_44.7	44.7	4.2	—	—	7.0	7.0	8.2	23	83	80	—	—	—	—	45
C 70 3_52.2	52.2	3.0	—	—	5.8	5.8	7.0	22	81	79	—	—	—	—	44
C 70 3_56.5	56.5	2.8	—	—	5.7	5.6	6.9	22	81	79	—	—	—	—	44
C 70 3_65.9	65.9	2.0	—	—	4.9	4.8	6.1	21	80	78	—	—	—	—	43
C 70 3_71.3	71.3	2.0	—	—	4.8	4.8	6.0	21	80	78	—	—	—	—	43
C 70 3_81.4	81.4	1.5	—	—	4.3	4.3	5.6	20	80	78	—	—	—	—	43
C 70 3_88.2	88.2	1.4	—	—	4.3	4.2	5.5	20	80	76	—	—	—	—	43
C 70 3_103.8	103.8	1.0	—	—	3.8	3.8	5.1	20	79	77	—	—	—	—	42
C 70 3_112.4	112.4	0.90	—	—	3.8	3.7	5.0	20	79	77	—	—	—	—	42
C 70 3_126.8	126.8	0.70	—	—	3.5	3.5	4.8	20	79	77	—	—	—	—	42
C 70 3_137.4	137.4	0.70	—	—	3.5	3.5	4.7	20	79	77	—	—	—	—	42
C 70 3_150.3	150.3	0.50	—	—	3.4	3.4	9.6	—	—	—	—	—	—	—	42
C 70 3_162.8	162.8	0.50	—	—	3.4	3.4	4.6	—	—	—	—	—	—	—	42
C 70 3_179.2	179.2	0.40	—	—	3.2	3.3	4.5	—	—	—	—	—	—	—	42
C 70 3_194.1	194.1	0.40	—	—	3.2	3.2	4.5	—	—	—	—	—	—	—	42
C 70 3_220.9	220.9	0.30	—	—	3.1	3.1	4.3	—	—	—	—	—	—	—	41
C 70 3_239.3	239.3	0.30	—	—	3.1	3.1	4.3	—	—	—	—	—	—	—	41
C 70 4_251.3	251.3	0.70	2.2	2.2	3.5	3.5	4.8	20	—	—	—	—	—	—	11
C 70 4_272.2	272.2	0.70	2.2	2.1	3.5	3.5	4.8	20	—	—	—	—	—	—	11
C 70 4_317.9	317.9	0.50	2.0	2.0	3.4	3.3	4.6	19	—	—	—	—	—	—	11
C 70 4_344.3	344.3	0.50	2.0	2.0	3.4	3.3	4.6	19	—	—	—	—	—	—	11
C 70 4_409.4	409.4	0.40	1.8	1.8	3.2	3.2	4.5	19	—	—	—	—	—	—	7.9
C 70 4_443.5	443.5	0.40	1.8	1.8	3.2	3.2	4.5	19	—	—	—	—	—	—	7.9
C 70 4_512.0	512.0	0.30	1.7	1.7	3.1	3.1	4.4	19	—	—	—	—	—	—	7.8
C 70 4_554.7	554.7	0.30	1.7	1.7	3.1	3.1	4.4	19	—	—	—	—	—	—	7.8
C 70 4_606.8	606.8	0.20	1.7	1.7	3.1	3.0	4.3	—	—	—	—	—	—	—	7.8
C 70 4_657.3	657.3	0.20	1.7	1.7	3.1	3.0	4.3	—	—	—	—	—	—	—	7.7
C 70 4_736.0	736.0	0.20	1.6	1.6	3.0	2.9	4.3	—	—	—	—	—	—	—	7.7
C 70 4_797.3	797.3	0.20	1.6	1.6	3.0	2.9	4.3	—	—	—	—	—	—	—	7.7
C 70 4_922.6	922.6	0.10	1.6	1.6	3.0	2.9	4.2	—	—	—	—	—	—	—	7.7
C 70 4_999.5	999.5	0.10	1.6	1.6	3.0	2.9	4.2	—	—	—	—	—	—	—	7.6
C 70 4_1069	1069	0.80	1.6	1.5	2.9	2.9	4.2	—	—	—	—	—	—	—	7.6
C 70 4_1158	1158	0.80	1.6	1.5	2.9	2.9	4.2	—	—	—	—	—	—	—	7.6
C 70 4_1362	1362	0.60	1.5	1.5	2.9	2.9	4.1	—	—	—	—	—	—	—	7.6
C 70 4_1476	1476	0.60	1.5	1.5	2.9	2.9	4.1	—	—	—	—	—	—	—	7.6

C 80

	i	J (•10-4) [kgm2]													
			IEC												
			63	71	80	90	100 112	132	160	180	200	225	250	280	
C 80 2_5.6	5.6	—	—	—	—	—	—	—	—	197	211	489	—	—	164
C 80 2_6.1	6.1	—	—	—	—	—	—	—	—	193	210	485	—	—	159
C 80 2_7.0	7.0	—	—	—	—	—	—	—	160	161	174	452	—	—	127
C 80 2_7.6	7.6	—	—	—	—	—	—	—	158	158	172	449	—	—	124
C 80 2_8.9	8.9	—	—	—	—	—	—	—	137	135	146	429	—	—	101
C 80 2_9.6	9.6	—	—	—	—	—	—	—	136	133	144	427	—	—	99
C 80 2_11.1	11.1	38	—	—	—	—	—	56	116	113	124	408	—	—	79
C 80 2_12.0	12.0	36	—	—	—	—	—	55	115	112	123	407	—	—	78
C 80 2_13.8	13.8	28	—	—	—	—	—	47	106	104	135	398	—	—	69
C 80 2_14.9	14.9	27	—	—	—	—	—	46	106	103	134	397	—	—	69
C 80 2_16.7	16.7	21	—	—	—	—	—	40	100	97	127	391	—	—	63
C 80 2_18.1	18.1	21	—	—	—	—	—	40	99	97	127	390	—	—	62
C 80 2_20.5	20.5	14	—	—	17	17	18	33	93	90	120	383	—	—	55
C 80 2_22.2	22.2	14	—	—	16	16	18	33	92	90	120	383	—	—	55
C 80 2_24.0	24.0	13	—	—	16	16	17	32	91	89	119	382	—	—	54
C 80 2_25.9	25.9	13	—	—	16	15	17	32	91	89	118	382	—	—	54
C 80 2_31.3	31.3	8.7	—	—	12	11	13	28	87	85	—	—	—	—	50
C 80 2_39.1	39.1	5.2	—	—	8.0	8.0	9.2	24	84	81	—	—	—	—	46
C 80 3_43.5	43.5	9.6	—	—	12	12	14	29	88	86	—	—	—	—	51
C 80 3_47.4	47.4	9.1	—	—	12	12	13	28	87	85	—	—	—	—	50
C 80 3_57.3	57.3	5.7	—	—	8.5	8.5	9.7	25	84	82	—	—	—	—	47
C 80 3_62.5	62.5	5.4	—	—	8.2	8.2	9.5	24	84	82	—	—	—	—	47
C 80 3_70.5	70.5	4.3	—	—	7.1	7.0	8.3	23	83	80	—	—	—	—	45
C 80 3_76.9	76.9	4.1	—	—	7.0	6.9	8.2	23	82	80	—	—	—	—	45
C 80 3_89.3	89.3	3.0	—	—	5.9	5.8	7.1	22	81	79	—	—	—	—	44
C 80 3_97.4	97.4	2.9	—	—	5.8	5.7	7.0	22	81	79	—	—	—	—	44
C 80 3_109.5	109.5	2.0	—	—	4.8	4.8	6.1	21	80	78	—	—	—	—	43
C 80 3_119.5	119.5	1.9	—	—	4.8	4.7	6.0	21	80	79	—	—	—	—	43
C 80 3_136.7	136.7	1.4	—	—	4.3	4.2	5.5	20	80	78	—	—	—	—	43
C 80 3_149.1	149.1	1.4	—	—	4.2	4.2	5.5	20	80	77	—	—	—	—	43
C 80 3_169.0	169.0	1.0	—	—	3.9	3.8	5.1	20	80	77	—	—	—	—	42
C 80 3_184.4	184.4	1.0	—	—	3.9	3.8	5.1	20	80	77	—	—	—	—	42
C 80 3_197.9	197.9	0.80	—	—	3.7	3.6	4.9	—	—	—	—	—	—	—	42
C 80 3_215.8	215.8	0.80	—	—	3.6	3.6	4.9	—	—	—	—	—	—	—	42
C 80 4_261.9	261.9	1.7	—	—	4.6	4.5	5.8	21	—	—	—	—	—	—	12
C 80 4_285.7	285.7	1.7	—	—	4.6	4.5	5.8	21	—	—	—	—	—	—	12
C 80 4_334.3	334.3	1.2	2.7	2.7	4.0	4.0	5.3	20	—	—	—	—	—	—	11
C 80 4_364.7	364.7	1.2	2.7	2.6	4.0	4.0	5.3	20	—	—	—	—	—	—	11
C 80 4_417.5	417.5	0.90	2.4	2.3	3.7	3.7	5.0	20	—	—	—	—	—	—	11
C 80 4_455.4	455.4	0.90	2.3	2.3	3.7	3.7	5.5	20	—	—	—	—	—	—	11
C 80 4_529.3	529.3	0.50	2.0	2.0	3.4	3.3	4.6	19	—	—	—	—	—	—	11
C 80 4_577.4	577.4	0.50	2.0	2.0	3.4	3.3	4.6	19	—	—	—	—	—	—	11
C 80 4_664.3	664.3	0.40	2.0	1.9	3.3	3.2	4.5	19	—	—	—	—	—	—	11
C 80 4_724.7	724.7	0.40	2.0	1.9	3.3	3.2	4.5	19	—	—	—	—	—	—	11
C 80 4_783.4	783.4	0.30	2.0	1.8	3.2	3.1	4.4	—	—	—	—	—	—	—	9.4
C 80 4_854.6	854.6	0.30	2.0	1.8	3.2	3.1	4.4	—	—	—	—	—	—	—	9.4
C 80 4_945.7	945.7	0.20	1.7	1.7	3.1	3.0	4.3	—	—	—	—	—	—	—	9.3
C 80 4_1032	1032	0.20	1.7	1.7	3.1	3.0	4.3	—	—	—	—	—	—	—	9.3
C 80 4_1168	1168	0.20	1.6	1.6	3.0	3.0	4.2	—	—	—	—	—	—	—	9.2
C 80 4_1274	1274	0.20	1.6	1.6	3.0	3.0	4.2	—	—	—	—	—	—	—	9.2
C 80 4_1358	1358	0.10	1.6	1.6	3.0	2.9	4.2	—	—	—	—	—	—	—	9.2
C 80 4_1481	1481	0.10	1.6	1.6	3.0	2.9	4.2	—	—	—	—	—	—	—	9.2

C 90

	i	J (•10⁻⁴) [kgm²]													
			IEC												
			63	71	80	90	100 112	132	160	180	200	225	250	280	
C 90 2_5.2	5.2	—	—	—	—	—	—	—	—	—	332	610	637	—	619
C 90 2_5.6	5.6	—	—	—	—	—	—	—	—	—	321	599	626	—	609
C 90 2_6.8	6.8	—	—	—	—	—	—	—	—	—	252	530	557	—	540
C 90 2_7.3	7.3	—	—	—	—	—	—	—	—	—	246	524	551	—	533
C 90 2_8.3	8.3	—	—	—	—	—	—	—	—	—	212	490	517	—	499
C 90 2_9.0	9.0	—	—	—	—	—	—	—	—	—	208	485	513	—	495
C 90 2_10.4	10.4	—	—	—	—	—	—	—	167	164	175	458	484	—	461
C 90 2_11.2	11.2	—	—	—	—	—	—	—	164	162	173	455	482	—	458
C 90 2_12.8	12.8	65	—	—	—	—	—	84	143	141	152	436	462	—	439
C 90 2_13.9	13.9	63	—	—	—	—	—	82	141	139	200	434	460	—	437
C 90 2_16.0	16.0	47	—	—	—	—	—	66	125	123	154	417	443	—	420
C 90 2_17.3	17.3	46	—	—	—	—	—	65	124	122	153	416	442	—	419
C 90 2_18.7	18.7	42	—	—	—	—	—	61	121	119	148	412	433	—	415
C 90 2_20.2	20.2	41	—	—	—	—	—	61	199	118	147	411	438	—	414
C 90 2_22.9	22.9	28	—	—	30	30	31	47	106	104	133	397	423	—	400
C 90 2_24.8	24.8	27	—	—	29	29	31	46	105	103	133	396	422	—	399
C 90 2_27.2	27.2	22	—	—	25	25	26	41	101	99	128	391	418	—	394
C 90 2_29.4	29.4	22	—	—	25	24	26	41	100	98	127	391	417	—	394
C 90 2_35.1	35.1	14	—	—	17	17	18	33	93	90	—	—	—	—	386
C 90 3_39.4	39.4	27	—	—	—	—	—	46	105	103	112	398	424	—	412
C 90 3_43.0	43.0	26	—	—	—	—	—	45	104	102	111	396	422	—	410
C 90 3_50.3	50.3	19	—	—	—	—	—	38	98	95	126	389	415	—	403
C 90 3_54.9	54.9	19	—	—	—	—	—	37	97	95	125	389	415	—	401
C 90 3_59.2	59.2	16	—	—	—	—	—	35	94	92	122	385	411	—	398
C 90 3_64.6	64.6	15	—	—	—	—	—	34	94	91	121	384	410	—	398
C 90 3_74.4	74.4	10	—	—	13	13	14	29	88	86	116	379	405	—	393
C 90 3_81.2	81.2	9.8	—	—	12	12	13	29	88	86	115	379	405	—	392
C 90 3_88.2	88.2	7.1	—	—	9.7	9.6	11	26	85	83	113	376	402	—	389
C 90 3_96.2	96.2	6.9	—	—	9.4	9.4	11	26	85	83	112	376	402	—	389
C 90 3_107.0	107.0	5.7	—	—	8.4	8.4	9.6	25	84	82	—	—	—	—	388
C 90 3_116.7	116.7	5.5	—	—	8.3	8.2	9.5	24	84	82	—	—	—	—	388
C 90 3_134.1	134.1	3.5	—	—	6.4	6.3	7.6	22	82	80	—	—	—	—	386
C 90 3_146.3	146.3	3.4	—	—	6.3	6.2	7.5	22	82	80	—	—	—	—	386
C 90 3_157.8	157.8	2.5	—	—	5.4	5.3	6.6	21	81	79	—	—	—	—	385
C 90 3_172.1	172.1	2.4	—	—	5.3	5.2	6.5	21	81	79	—	—	—	—	385
C 90 4_212.4	212.4	4.2	—	—	7.0	7.0	8.3	23	83	80	—	—	—	—	14
C 90 4_231.7	231.7	4.1	—	—	7.0	6.9	8.2	23	82	80	—	—	—	—	14
C 90 4_268.5	268.5	2.8	—	—	5.7	5.6	6.9	22	81	79	—	—	—	—	13
C 90 4_292.9	292.9	2.8	—	—	5.7	2.6	6.9	22	81	79	—	—	—	—	13
C 90 4_339.0	339.0	2.0	3.4	3.4	4.8	4.8	6.0	21	80	78	—	—	—	—	12
C 90 4_369.8	369.8	2.0	3.4	3.4	4.8	4.8	6.0	21	80	78	—	—	—	—	12
C 90 4_419.0	419.0	1.4	2.9	2.9	4.3	4.2	5.5	20	80	78	—	—	—	—	12
C 90 4_457.1	457.1	1.4	2.9	2.9	4.3	4.2	5.5	20	80	78	—	—	—	—	12
C 90 4_534.2	534.2	0.90	2.4	2.4	3.8	3.7	5.0	20	79	77	—	—	—	—	11
C 90 4_582.8	582.8	0.90	2.4	2.4	3.8	3.7	5.0	20	79	77	—	—	—	—	11
C 90 4_652.8	652.8	0.70	2.1	2.1	3.5	3.5	4.7	20	79	77	—	—	—	—	11
C 90 4_712.2	712.2	0.70	2.1	2.1	3.5	3.5	4.7	20	79	77	—	—	—	—	11
C 90 4_773.6	773.6	0.50	2.0	2.0	3.4	3.3	4.6	—	—	—	—	—	—	—	9.7
C 90 4_844.0	844.0	0.50	2.0	2.0	3.4	3.3	4.6	—	—	—	—	—	—	—	9.6
C 90 4_922.3	922.3	0.40	1.8	1.8	3.2	3.2	4.5	—	—	—	—	—	—	—	9.5
C 90 4_1006	1006	0.40	1.8	1.8	3.2	3.2	4.5	—	—	—	—	—	—	—	9.4
C 90 4_1137	1137	0.30	1.7	1.7	3.1	3.0	4.3	—	—	—	—	—	—	—	9.3
C 90 4_1240	1240	0.30	1.7	1.7	3.1	3.0	4.3	—	—	—	—	—	—	—	9.3



C 100

	i	J (•10⁻⁴) [kgm²]													
			IEC												
			63	71	80	90	100 112	132	160	180	200	225	250	280	
C 100 2_4.9	4.9	—	—	—	—	—	—	—	—	—	674	960	987	970	972
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C 100 2_6.5	6.5	—	—	—	—	—	—	—	—	—	481	767	794	777	778
C 100 2_7.1	7.1	—	—	—	—	—	—	—	—	—	465	751	778	761	763
C 100 2_8.4	8.4	—	—	—	—	—	—	—	—	—	365	651	678	660	662
C 100 2_9.0	9.0	—	—	—	—	—	—	—	—	—	355	641	668	651	653
C 100 2_10.1	10.1	—	—	—	—	—	—	—	—	—	291	577	604	587	589
C 100 2_10.9	10.9	—	—	—	—	—	—	—	—	—	285	570	597	580	582
C 100 2_12.5	12.5	—	—	—	—	—	—	—	224	222	233	521	550	539	529
C 100 2_13.5	13.5	—	—	—	—	—	—	—	220	218	228	517	545	532	524
C 100 2_15.2	15.2	122	—	—	—	—	—	82	141	200	199	472	499	528	514
C 100 2_16.5	16.5	119	—	—	—	—	—	138	197	195	206	496	525	511	504
C 100 2_18.7	18.7	97	—	—	—	—	—	116	175	173	203	474	501	488	480
C 100 2_20.2	20.2	95	—	—	—	—	—	114	173	171	201	471	499	486	478
C 100 2_22.2	22.2	73	—	—	—	—	—	92	102	150	179	448	477	463	456
C 100 2_24.1	24.1	72	—	—	—	—	—	91	150	148	178	447	476	462	455
C 100 2_29.6	29.6	50	—	—	—	—	54	69	129	127	156	425	454	440	433
C 100 3_34.3	34.3	—	—	—	—	—	—	—	148	146	155	439	465	471	461
C 100 3_36.9	36.9	—	—	—	—	—	—	—	145	143	152	436	462	468	458
C 100 3_42.9	42.9	44	—	—	—	—	—	63	123	120	130	415	441	451	437
C 100 3_46.2	46.2	43	—	—	—	—	—	61	121	118	128	413	439	452	435
C 100 3_53.3	53.3	33	—	—	—	—	—	51	111	109	139	403	429	432	424
C 100 3_57.4	57.4	31	—	—	—	—	—	50	110	107	138	401	427	431	423
C 1003_64.5	64.5	24	—	—	—	—	—	43	103	101	130	394	420	422	415
C 100 3_69.4	69.4	24	—	—	—	—	—	43	102	100	129	393	419	421	414
C 100 3_79.4	79.4	16	—	—	—	—	20	35	95	92	122	385	411	413	407
C 100 3_85.6	85.6	16	—	—	—	—	19	35	94	92	121	385	411	413	406
C 100 3_92.7	92.7	15	—	—	—	—	18	34	93	91	120	384	410	412	405
C 100 3_99.8	99.8	14	—	—	—	—	18	33	93	90	119	383	409	411	404
C 100 3_111.9	111.9	9.9	—	—	—	—	14	29	88	86	—	—	—	—	392
C 100 3_120.5	120.5	9.6	—	—	—	—	14	29	88	86	—	—	—	—	392
C 100 3_139.7	139.7	6.0	—	—	—	—	10	25	84	82	—	—	—	—	388
C 100 3_150.4	150.4	5.8	—	—	—	—	9.8	25	84	82	—	—	—	—	388
C 100 4_162.1	162.1	13	—	—	16	16	17	32	100	89	—	—	—	—	23
C 100 4_185.4	185.4	9.6	—	—	13	12	14	29	88	86	—	—	—	—	20
C 100 4_199.6	199.6	8.5	—	—	12	12	14	28	88	86	—	—	—	—	20
C 100 4_244.2	244.2	5.7	—	—	8.5	8.5	9.8	25	84	82	—	—	—	—	16
C 100 4_263.0	263.0	5.6	—	—	8.5	8.4	9.7	25	84	82	—	—	—	—	16
C 100 4_300.5	300.5	4.2	—	—	7.1	7.1	8.4	23	83	80	—	—	—	—	15
C 100 4_323.6	323.6	4.2	—	—	7.1	7.0	8.3	23	83	80	—	—	—	—	14
C 100 4_380.5	380.5	3.1	4.5	4.5	5.9	5.5	7.1	22	81	79	—	—	—	—	13
C 100 4_409.8	409.8	3.0	4.5	4.5	5.9	5.5	7.1	22	81	79	—	—	—	—	13
C 100 4_466.7	466.7	2.0	3.5	3.5	4.9	4.8	6.1	20	80	78	—	—	—	—	12
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C 100 4_627.4	627.4	1.4	2.9	2.9	4.3	4.2	5.5	20	80	77	—	—	—	—	12
C 100 4_720.3	720.3	1.0	2.5	2.5	3.9	3.4	5.1	20	79	77	—	—	—	—	11
C 100 4_775.7	775.7	1.0	2.5	2.5	3.9	3.4	5.1	20	79	77	—	—	—	—	11
C 100 4_843.3	843.3	0.80	2.3	2.3	3.7	3.6	4.9	—	—	—	—	—	—	—	9.9
C 100 4_908.2	908.2	0.80	2.3	2.3	3.7	3.6	4.9	—	—	—	—	—	—	—	9.9
C 100 4_1004	1004	0.60	2.1	2.0	3.4	3.4	4.7	—	—	—	—	—	—	—	9.7
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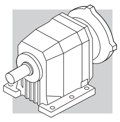

29 RAPPORTI ESATTI

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6.3	6.23158	6.08696	6.26420		6.36364		6.00176 6.74074	6.25455	6.11111	6.75824	6.52308
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18.0	17.16364 18.38961	18.13636	18.18182	17.20779	17.79167	18.89035	17.65217		18.05128	17.31111 18.68047	18.66667
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56.0	55.16883	54.72727	59.39394	56.16170	58.65385	57.02479 58.98416	53.46087 58.60134	56.51186	57.29733	54.87374 59.20032	57.35043
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71.0		65.33333 74.81250	74.74747	70.76374	74.35897	72.92219	67.69123 74.20000	71.34091	70.50362	74.44537	69.42801
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i_N	C12	C22	C32	C36	C41	C51	C61	C70	C80	C90	C100
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280.0			274.69697	290.91758	263.01943		275.27766	272.22475	285.66123	292.90463	300.50725
315.0				318.93187	304.19580 333.44540	297.76563 326.10577	301.74667	317.86109	334.27376	338.95085	323.62319
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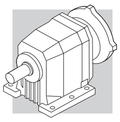
3x 4x



30 DIMENSIONI

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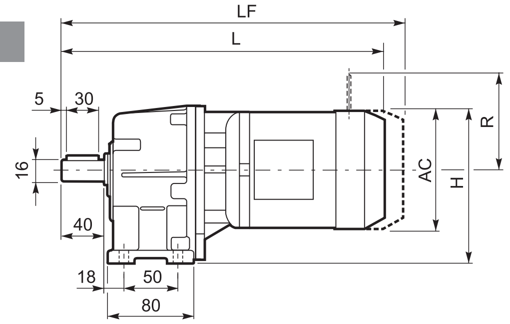

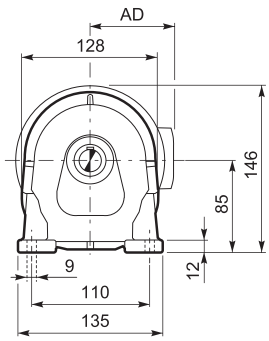

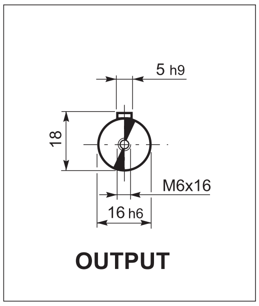

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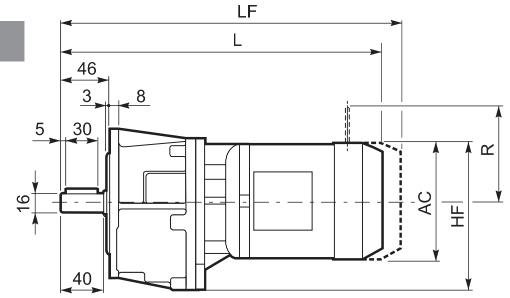

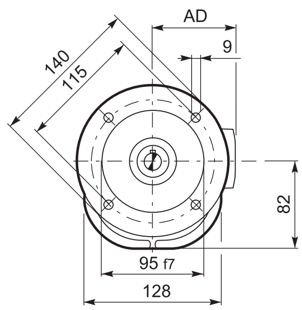

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			AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
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C 05 2	**S05**	**M05**	121	145.5	142.5	332	95	8	398	10	96	122	116	95
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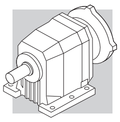

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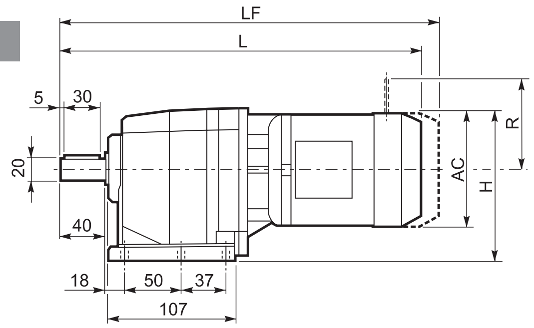

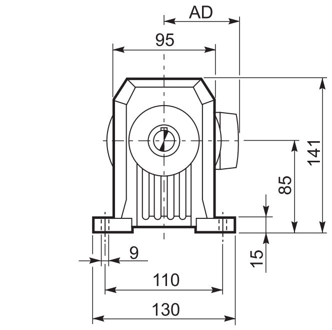

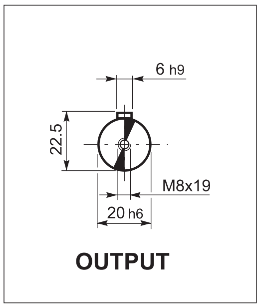

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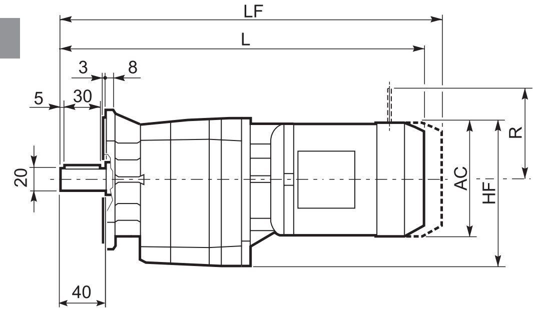

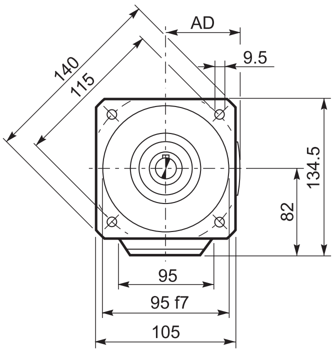

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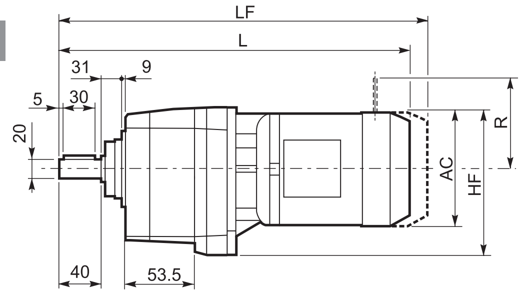

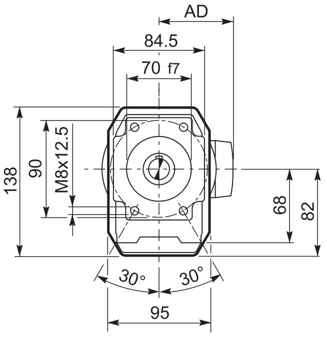

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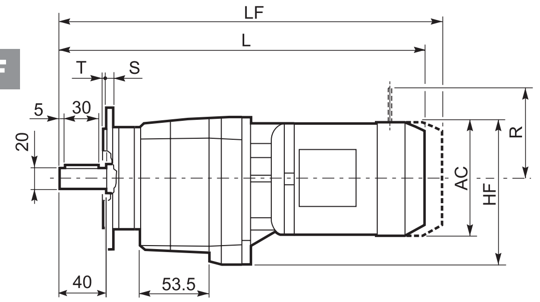
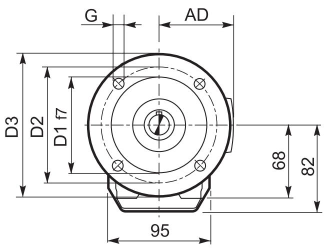
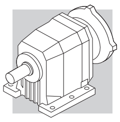




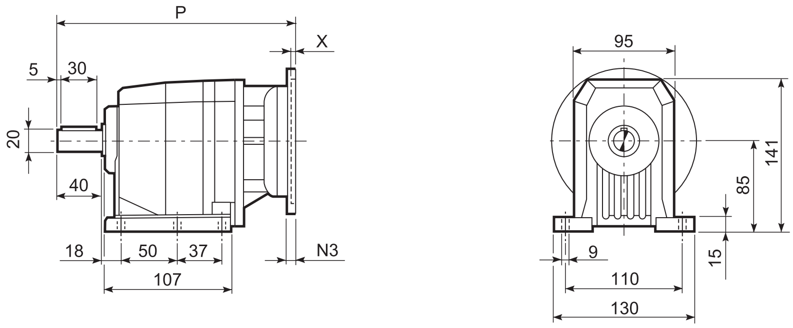
C 12 2_U						
	D1	D2	D3	G	T	S
FA	80	100	120	7	3	8
FB	95	115	140	9	3	10
FC	110	130	160	9	3	10

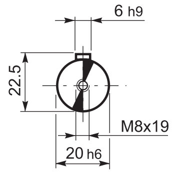
									M...FD M...FA		M...FD		M...FA	
			AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
C 12 2	S05	M05	121	145.5	142.5	370.5	95	9	436.5	10	96	122	116	95
C 12 2	S1	M1	138	154	151	404.5	108	11	460.5	13	103	135	124	108
C 12 2	S2	M2S	156	163	160	428.5	119	15	498.5	18	129	146	134	119
C 12 2	S2	ME2S	156	163	160	428.5	119	15	—	—	—	—	—	—
C 12 2	S3	ME3S	195	182.5	179.5	471.5	142	21.5	—	—	—	—	—	—
C 12 2	S3	ME3L	195	182.5	179.5	503.5	142	22	—	—	—	—	—	—



C 12...P (IEC)

P





OUTPUT

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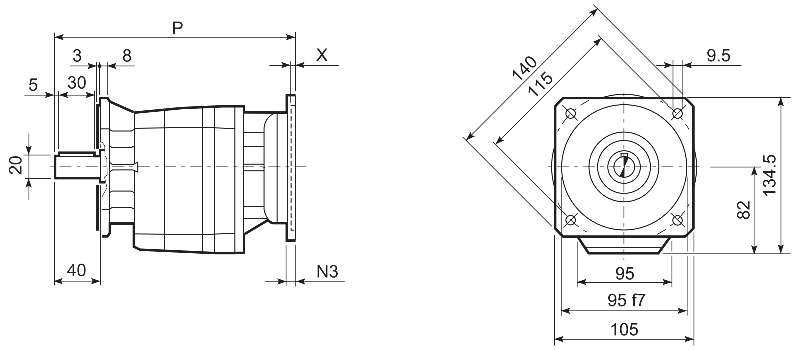
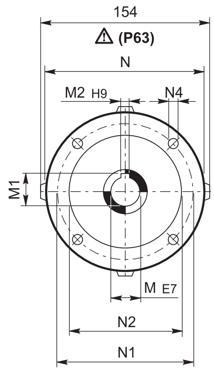
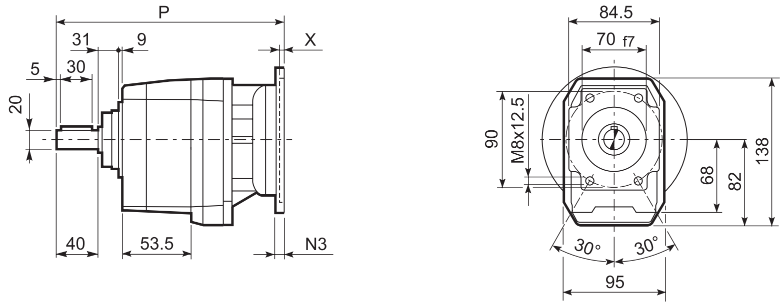




INPUT

U



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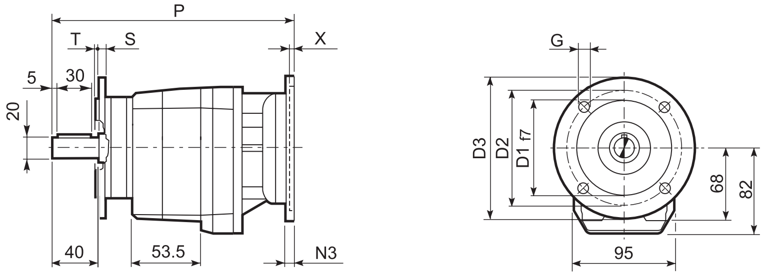
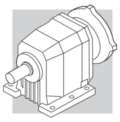
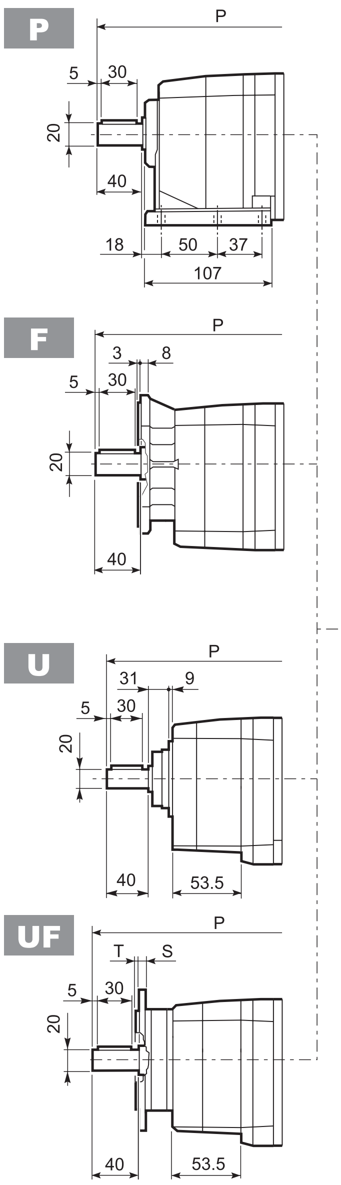


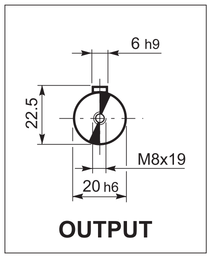
C 12 2_U						
	D1	D2	D3	G	T	S
FA	80	100	120	7	3	8
FB	95	115	140	9	3	10
FC	110	130	160	9	3	10

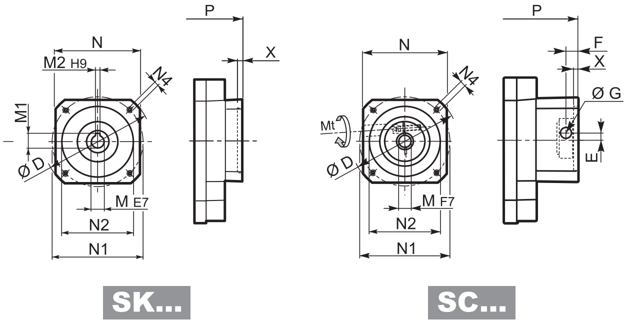
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 12 2	P63	11	12.8	4	140	115	95	—	M8x19	4	244.5	6
C 12 2	P71	14	16.3	5	160	130	110	—	M8x16	4.5	244.5	6
C 12 2	P80	19	21.8	6	200	165	130	—	M10x12	4	264	7
C 12 2	P90	24	27.3	8	200	165	130	—	M10x12	4	264	7
C 12 2	P100	28	31.3	8	250	215	180	—	M12x16	4.5	274	11
C 12 2	P112	28	31.3	8	250	215	180	—	M12x16	4.5	274	11

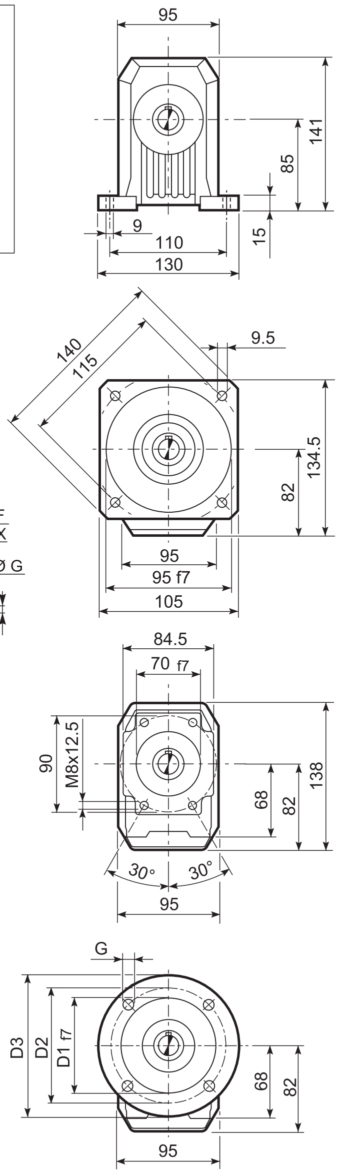


C 12...SK / SC





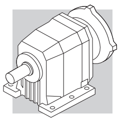




C 12 2_U	D1	D2	D3	G	T	S
FA	80	100	120	7	3	8
FB	95	115	140	9	3	10
FC	110	130	160	9	3	10

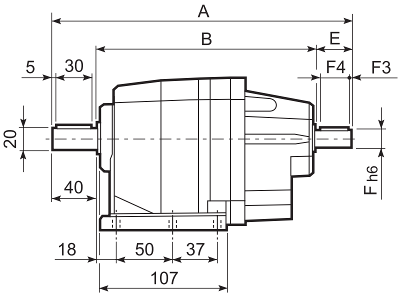
		D	M	M1	M2	N	N1	N2	N4	X	P	Kg
C 12 2	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	216	6
C 12 2	SK60B	102	14	16.3	5	82	75	60	M5x10	4	223	5
C 12 2	SK80A	115	14	16.3	5	90	100	80	M6x12	4	223	5
C 12 2	SK80C	120	19	21.8	6	96	100	80	M6x12	4	264	7
C 12 2	SK95A	130	14	16.3	5	102	115	95	M8x12	4	264	6
C 12 2	SK95B	130	19	21.8	6	102	115	95	M8x12	4	264	7
C 12 2	SK95C	130	24	27.3	8	102	115	95	M8x12	4	264	7
C 12 2	SK110A	150	19	21.8	6	120	130	110	M8x12	5	264	7
C 12 2	SK110B	150	24	27.3	8	120	130	110	M8x12	5	264	7

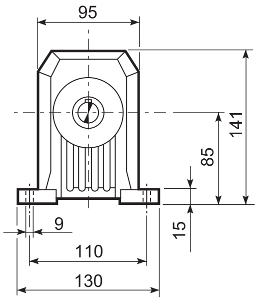
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
C 12 2	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	243	7
C 12 2	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	243	6
C 12 2	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	243	6
C 12 2	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	287.5	8
C 12 2	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	287.5	7
C 12 2	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	287.5	8
C 12 2	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	287.5	8
C 12 2	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	287.5	10
C 12 2	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	287.5	10

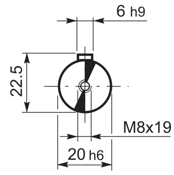


C 12...HS

P







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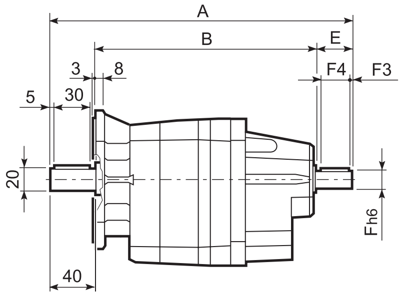

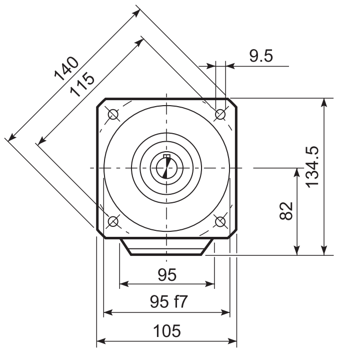

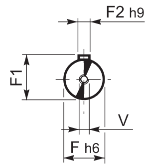

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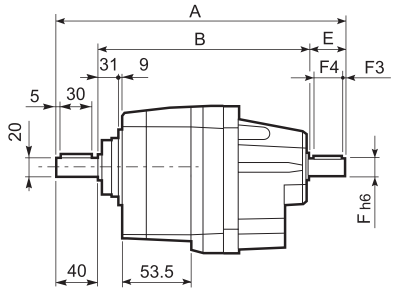

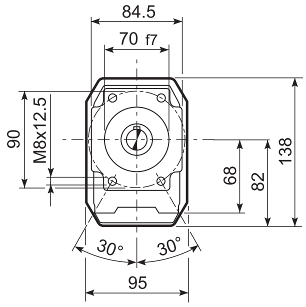

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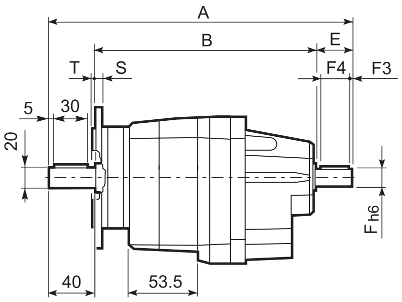
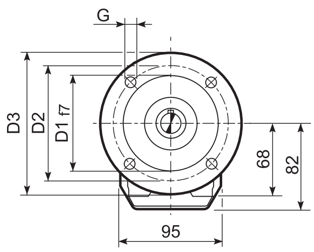
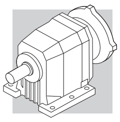




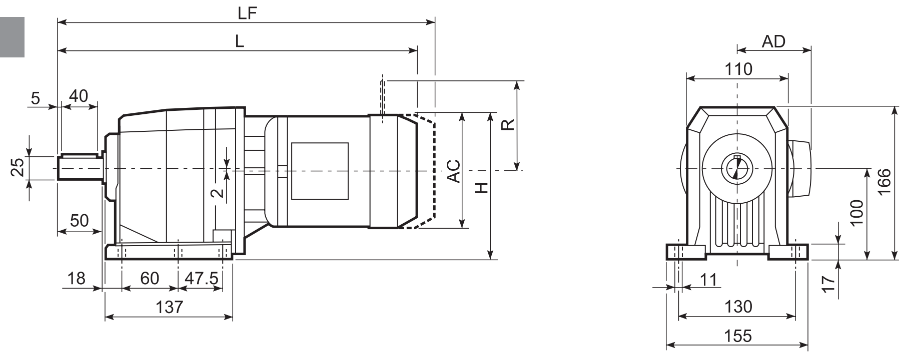
C 12 2_U	D1	D2	D3	G	T	S
FA	80	100	120	7	3	8
FB	95	115	140	9	3	10
FC	110	130	160	9	3	10

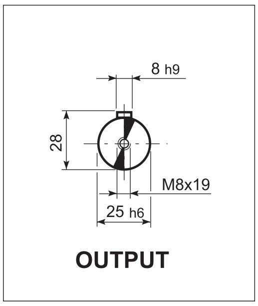
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 12 2	HS	251.5	171.5	40	16	18	5	2.5	35	M6x16	7.8



C 22...M/ME

P





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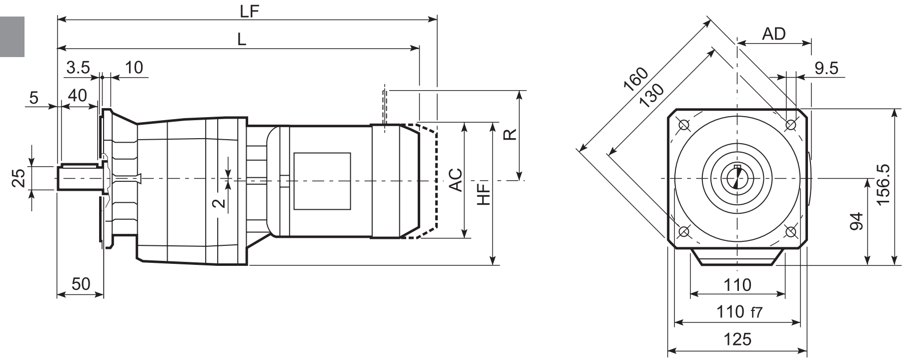

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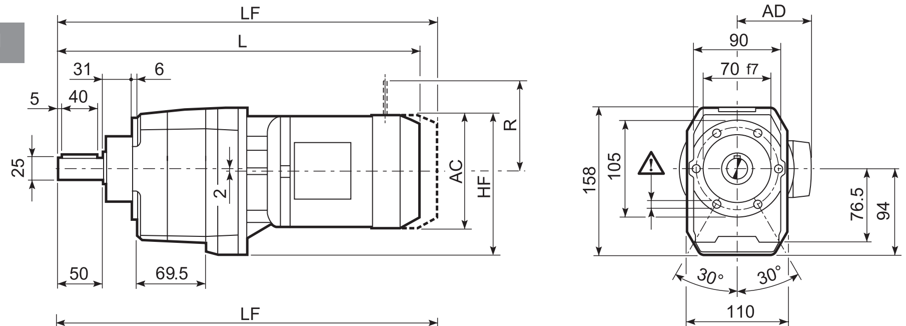

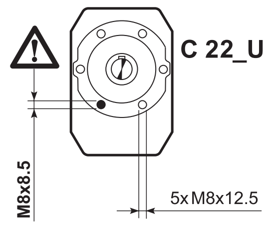

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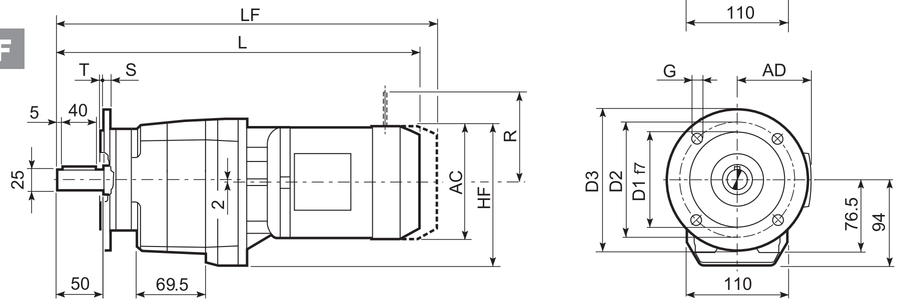
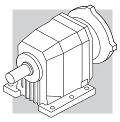


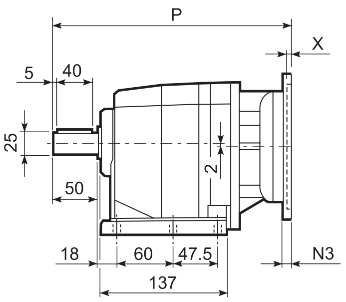
C 22_U	D1	D2	D3	G	T	S
FA	95	115	140	9	3	10
FB	110	130	160	9	3	10
FC	130	165	200	11	3.5	11

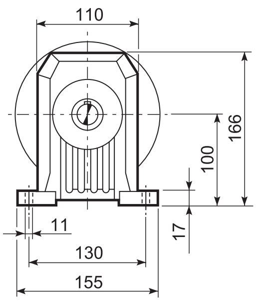
									M...FD M...FA		M...FD		M...FA	
			AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
C 22 2	S05	M05	121	160.5	154.5	399	95	8	465	10	96	119	116	95
C 22 2	S1	M1	138	169	163	428	108	11	489	14	103	135	124	108
C 22 2	S2	M2S	156	178	170	456	119	16	527	19	129	146	134	119
C 22 2	S2	ME2S	156	178	170	456	119	16	—	—	—	—	—	—
C 22 2	S3	ME3S	195	197.5	191.5	500	142	22.5	—	—	—	—	—	—
C 22 2	S3	ME3L	195	197.5	191.5	532	142	27	—	—	—	—	—	—
C 22 3	S05	M05	121	160.5	154.5	454.5	95	11	520.5	12	96	122	116	95
C 22 3	S1	M1	138	169	163	483.5	108	13	544.5	15	103	135	124	108
C 22 3	S2	ME2S	156	178	170	511.5	119	18	—	—	—	—	—	—
C 22 3	S3	ME3S	195	197.5	191.5	555.5	142	24.5	—	—	—	—	—	—
C 22 3	S3	ME3L	195	197.5	191.5	587.5	142	29	—	—	—	—	—	—

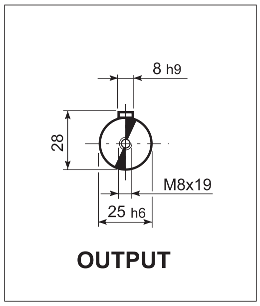


C 22...P(IEC)

P







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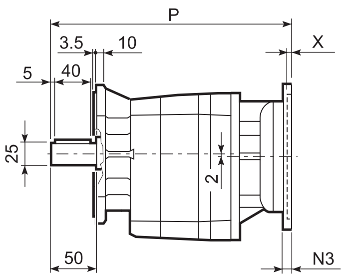

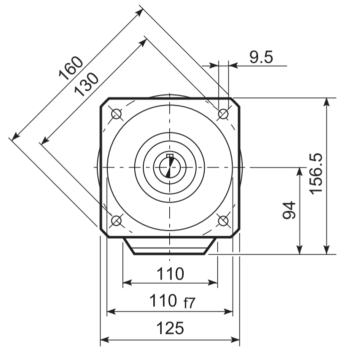

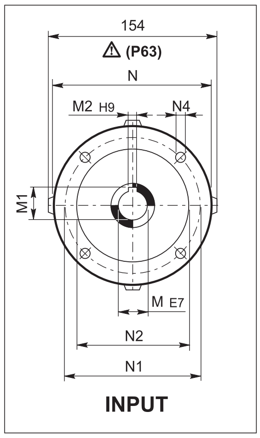

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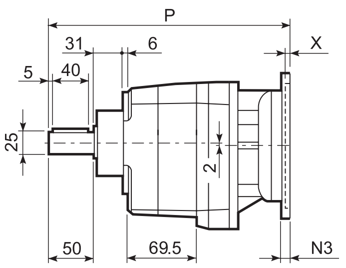

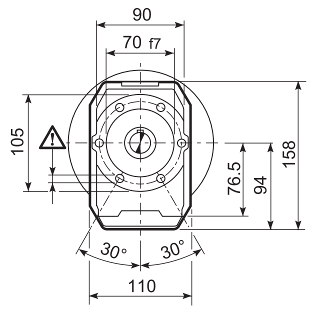

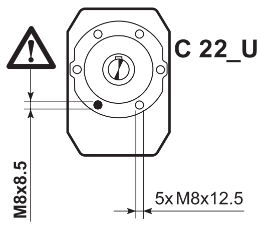

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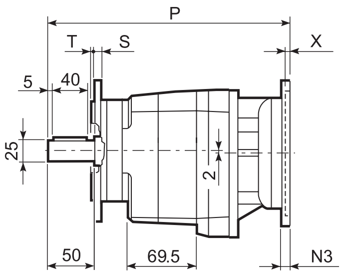
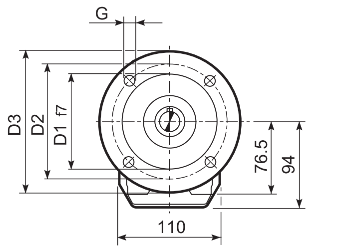
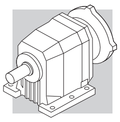


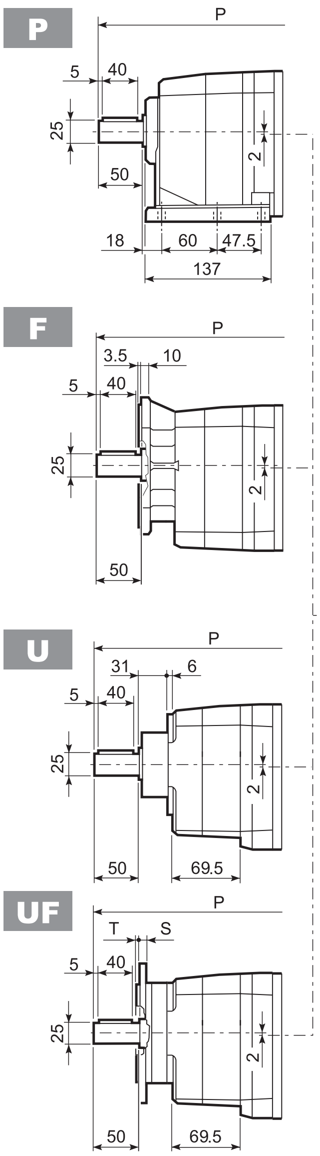


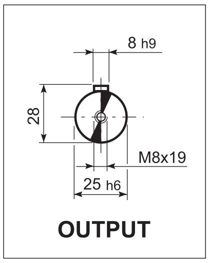
C 22_U						
	D1	D2	D3	G	T	S
FA	95	115	140	9	3	10
FB	110	130	160	9	3	10
FC	130	165	200	11	3.5	11

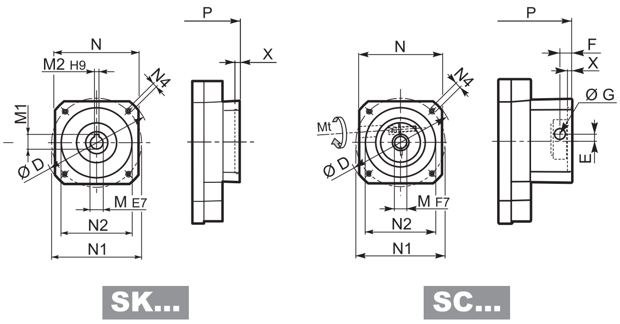
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 22 2	P63	11	12.8	4	140	115	95	—	M8x19	4	273	7
C 22 2	P71	14	16.3	5	160	130	110	—	M8x16	4.5	273	7
C 22 2	P80	19	21.8	6	200	165	130	—	M10x12	4	292.5	8
C 22 2	P90	24	27.3	8	200	165	130	—	M10x12	4	292.5	8
C 22 2	P100	28	31.3	8	250	215	180	—	M12X16	4.5	302.5	12
C 22 2	P112	28	31.3	8	250	215	180	—	M12X16	4.5	302.5	12
C 22 3	P63	11	12.8	4	140	115	95	—	M8x19	4	328.5	8
C 22 3	P71	14	16.3	5	160	130	110	—	M8x16	4.5	328.5	8
C 22 3	P80	19	21.8	6	200	165	130	—	M10x12	4	348	9
C 22 3	P90	24	27.3	8	200	165	130	—	M10x12	4	348	9
C 22 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	358	13
C 22 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	358	13

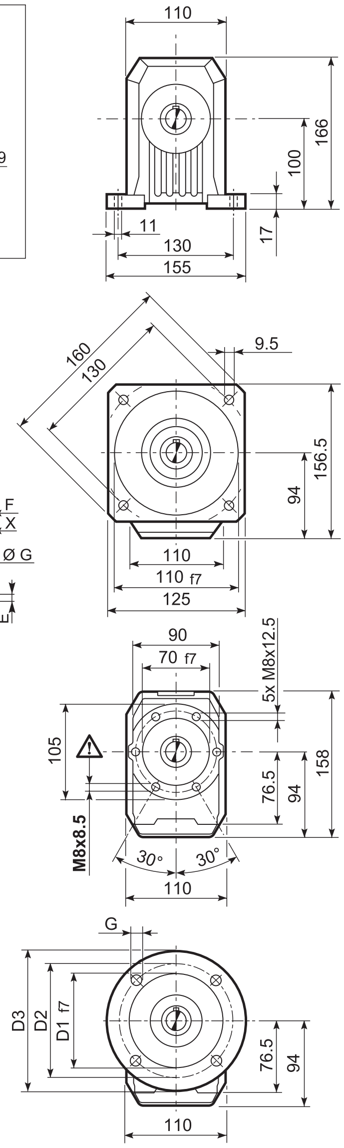


C 22...SK / SC









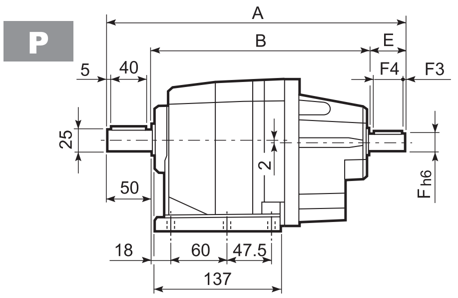
	D1	D2	D3	G	T	S
C 22_U						
FA	95	115	140	9	3	10
FB	110	130	160	9	3	10
FC	130	165	200	11	3.5	11

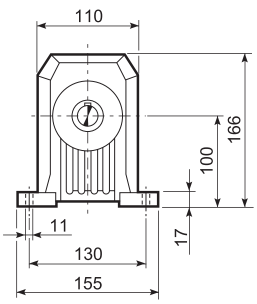
		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	Kg
C 22 2/3	SK60A*	102	11	12.8	4	82	75	60	M5x10	3.5	224.5	300	6/9
C 22 2/3	SK60B*	102	14	16.3	5	82	75	60	M5x10	4	251.5	307	7/8
C 22 2/3	SK80A*	115	14	16.3	5	90	100	80	M6x12	4	251.5	307	7/8
C 22 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	292.5	348	8/9
C 22 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	292.5	348	8/9
C 22 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	292.5	348	8/9
C 22 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	292.5	348	8/9
C 22 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	292.5	348	8/9
C 22 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	292.5	348	8/9

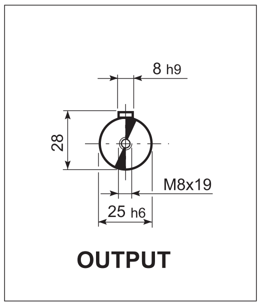
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	Kg
C 22 2/3	SC60A*	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	271.5	327	7/8
C 22 2/3	SC60B*	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	271.5	327	8/9
C 22 2/3	SC80A*	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	271.5	327	8/9
C 22 2/3	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	316	371.5	9/10
C 22 2/3	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	316	371.5	9/10
C 22 2/3	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	316	371.5	9/10
C 22 2/3	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	316	371.5	9/10
C 22 2/3	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	316	371.5	10/11
C 22 2/3	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	316	371.5	10/11

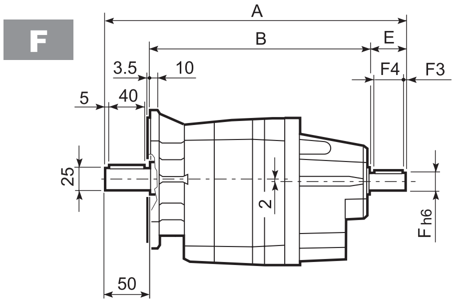
* Interpellare il nostro Servizio Tecnico comunicando i dati relativi all’applicazione

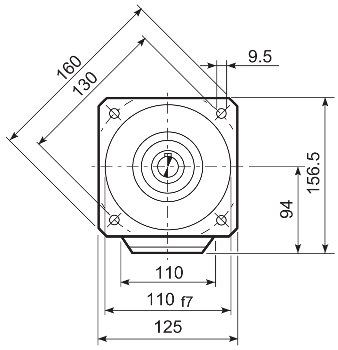
C 22...HS

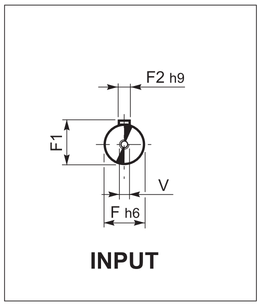


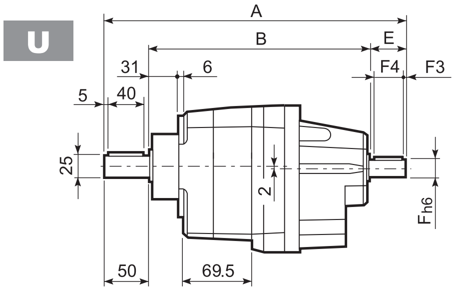


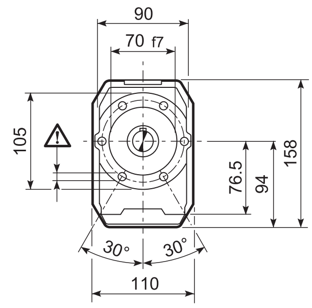


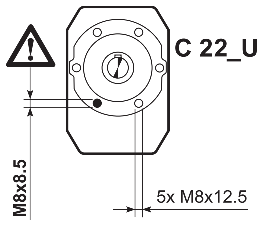


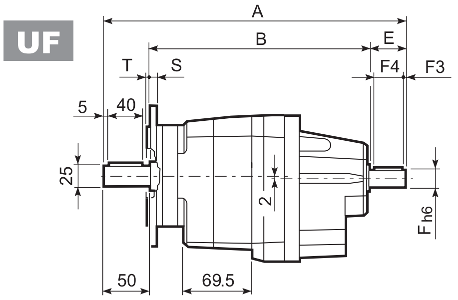


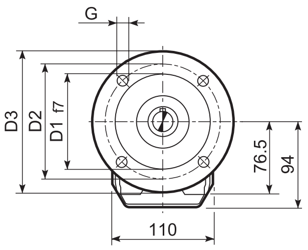








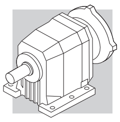




C 22_U

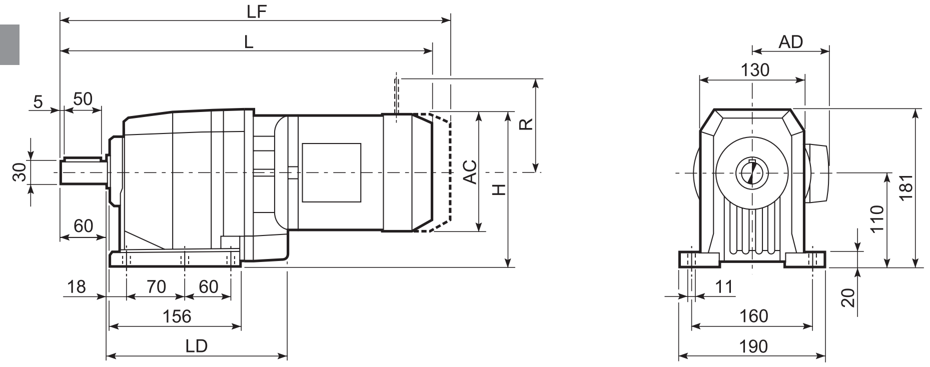
	D1	D2	D3	G	T	S
FA	95	115	140	9	3	10
FB	110	130	160	9	3	10
FC	130	165	200	11	3.5	11

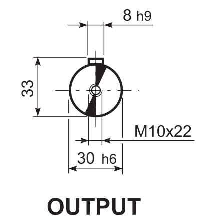
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 22 2	HS	323	233	40	19	21.5	6	2.5	35	M6x16	7.2
C 22 3		335.5	245.5	40	16	18	6	2.5	36	M6x16	7.5



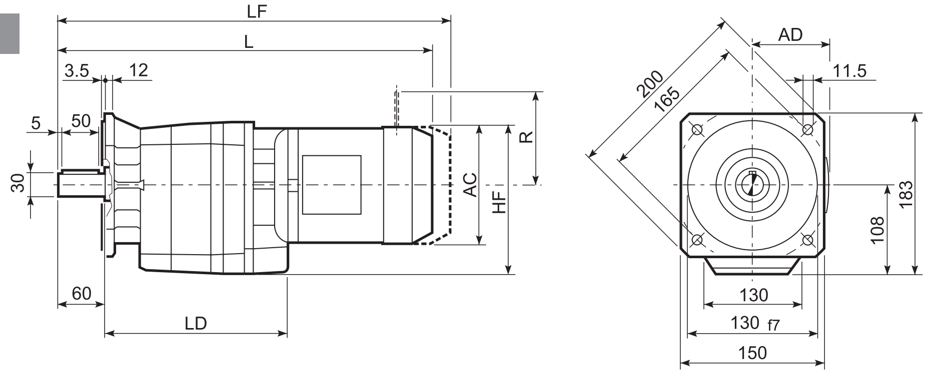
C 32...M/ME/MX

P





F



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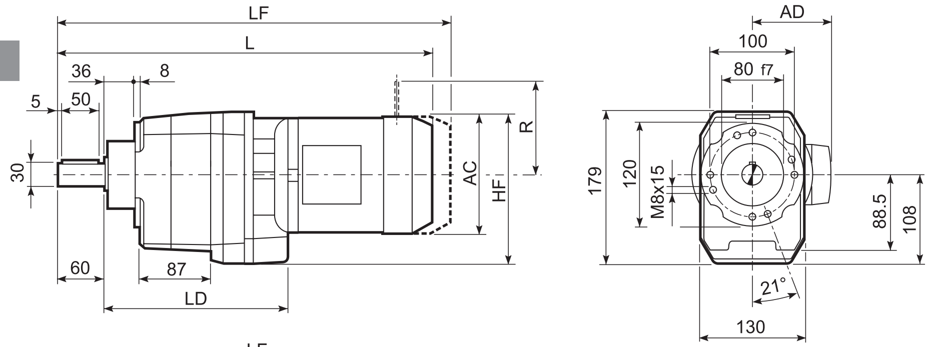
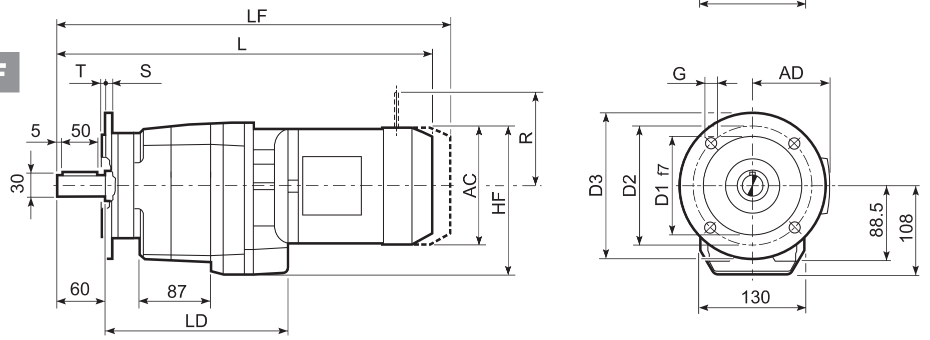


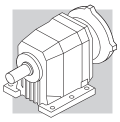
UF



C 32_U

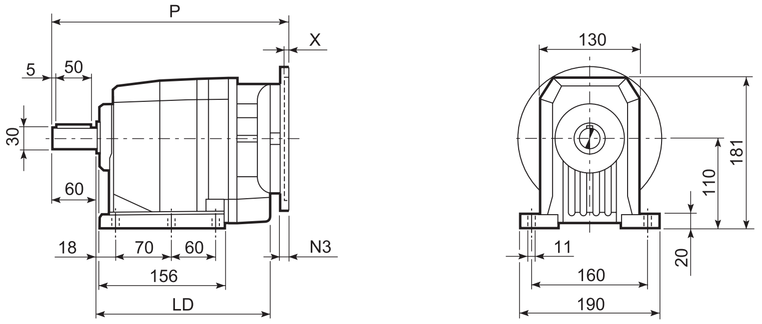
	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13

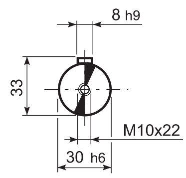
											M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
C 32 2	S1	M1		138	179	177	462.5	205.5	108	14	523.5	16	103	135	124	108
C 32 2	S2	M2S		156	188	186	490.5	217.5	119	18	561.5	21	129	146	134	119
C 32 2	S2	ME2S		156	188	186	490.5	217.5	119	18	—	—	—	—	—	—
C 32 2	S3	ME3S		195	207.5	205.5	534.5	227.5	142	24.5	—	—	—	—	—	—
C 32 2	S3	ME3L		195	207.5	205.5	566.5	227.5	142	32	—	—	—	—	—	—
C 32 2	S4	ME4	MX4	258	239	237	674.5	—	193	66	—	—	—	—	—	—
C 32 2	S4	ME4LB	MX4LA	258	239	237	709.5	—	193	74	—	—	—	—	—	—
C 32 3	S05	M05		121	170.5	168.5	491	—	95	13	557	15	96	122	116	95
C 32 3	S1	M1		138	179	177	520	—	108	15	581	17	103	135	124	108
C 32 3	S2	ME2S		156	188	186	548	—	119	18	—	—	—	—	—	—
C 32 3	S3	ME3S		195	207.5	205.5	592	—	142	25.5	—	—	—	—	—	—
C 32 3	S3	ME3L		195	207.5	205.5	624	—	142	33	—	—	—	—	—	—



C 32...P(IEC)

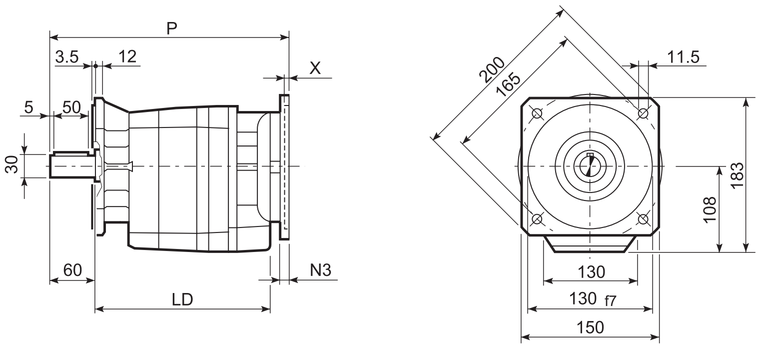
P

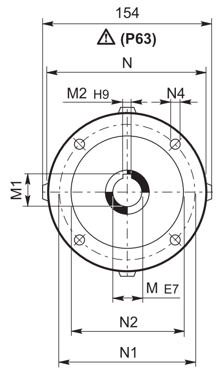




OUTPUT

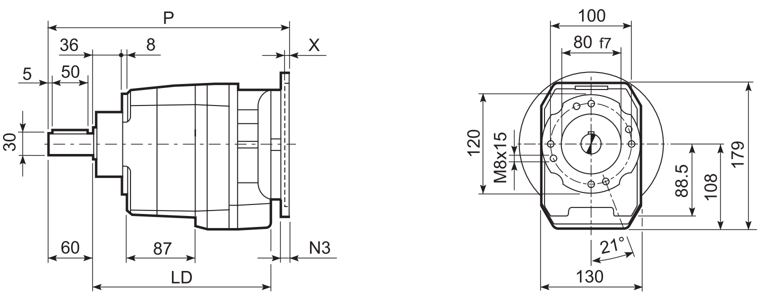
F



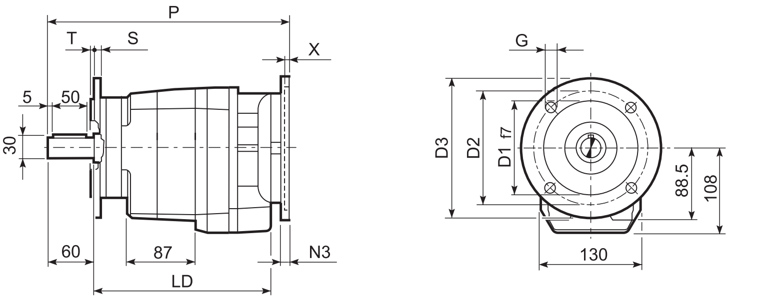


INPUT

U

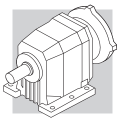


UF

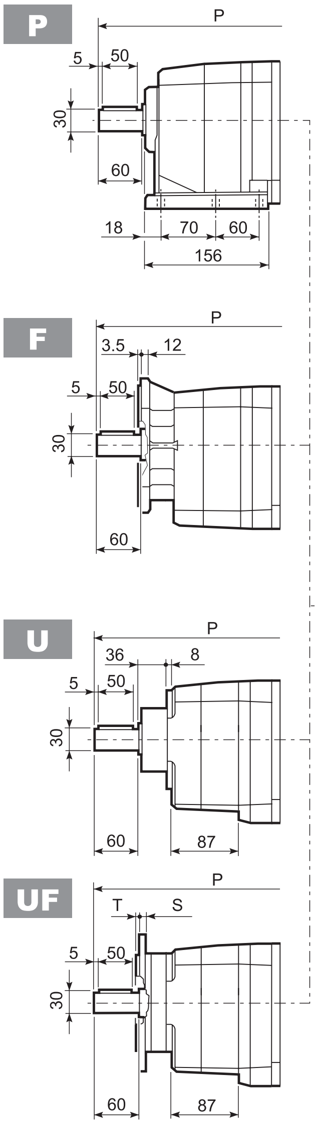


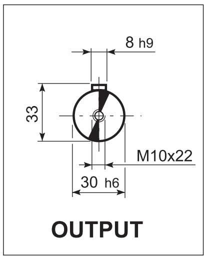
C 32_U	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13

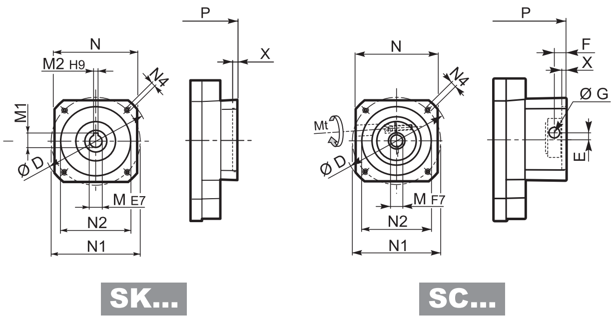
		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 32 2	P63	217.5	11	12.8	4	140	115	95	—	M8x19	4	307.5	9
C 32 2	P71	217.5	14	16.3	5	160	130	110	—	M8x16	4.5	307.5	9
C 32 2	P80	227.5	19	21.8	6	200	165	130	—	M10x12	4	327	10
C 32 2	P90	227.5	24	27.3	8	200	165	130	—	M10x12	4	327	10
C 32 2	P100	227.5	28	31.3	8	250	215	180	—	M12x16	4.5	337	14
C 32 2	P112	227.5	28	31.3	8	250	215	180	—	M12x16	4.5	337	14
C 32 2	P132	—	38	41.3	10	300	265	230	16	14	5	373	17
C 32 3	P63	—	11	12.8	4	140	115	95	—	M8x19	4	365	10
C 32 3	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	365	10
C 32 3	P80	—	19	21.8	6	200	165	130	—	M10x12	4	384.5	11
C 32 3	P90	—	24	27.3	8	200	165	130	—	M10x12	4	384.5	11
C 32 3	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	394.5	15
C 32 3	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	394.5	15

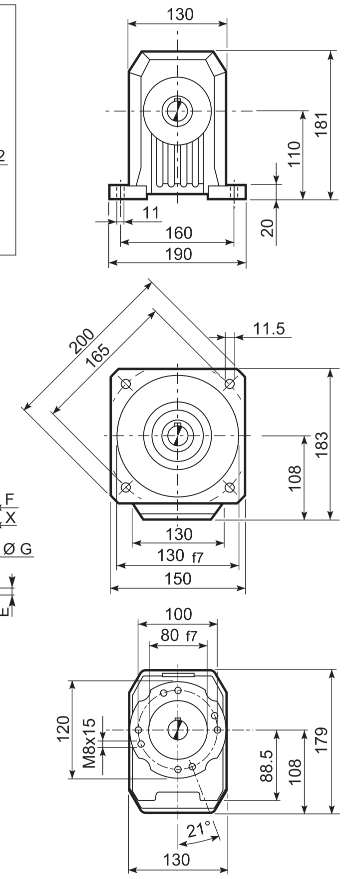


C 32...SK / SC

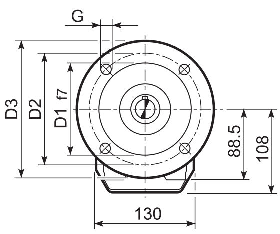






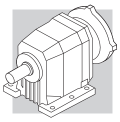


C 32_U	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13



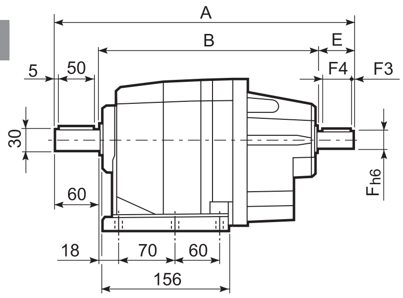
		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	Kg
C 32 2/3	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	279	336.5	8/9
C 32 2/3	SK60B	102	14	16.3	5	82	75	60	M5x10	4	286	343.5	9/10
C 32 2/3	SK80A	115	14	16.3	5	90	100	80	M6x12	4	286	343.5	9/10
C 32 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	327	384.5	10/11
C 32 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	327	384.5	10/11
C 32 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	327	384.5	10/11
C 32 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	327	384.5	10/11
C 32 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	327	384.5	10/11
C 32 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	327	384.5	10/11
C 32 2	SK130A	188	24	27.3	8	142	165	130	M10x20	5	327	—	11

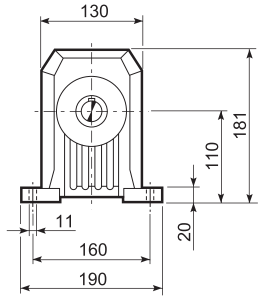
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	Kg
C 32 2/3	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	306	363.5	9/10
C 32 2/3	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	306	363.5	10/11
C 32 2/3	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	306	363.5	10/11
C 32 2/3	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	350.5	408	11/12
C 32 2/3	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	350.5	408	11/12
C 32 2/3	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	350.5	408	11/12
C 32 2/3	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	350.5	408	11/12
C 32 2/3	SC 110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	350.5	408	12/13
C 32 2/3	SC 110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	350.5	408	12/13
C 32 2	SC 130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	350.5	—	13

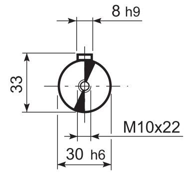


C 32...HS

P

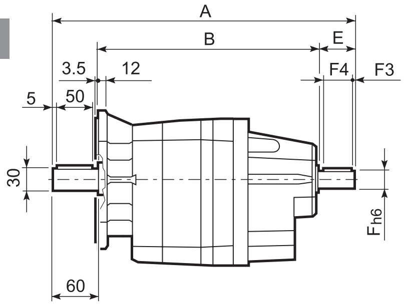


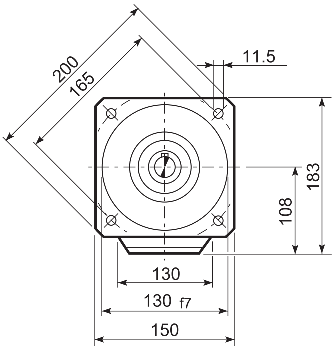


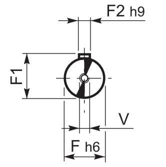


OUTPUT

F

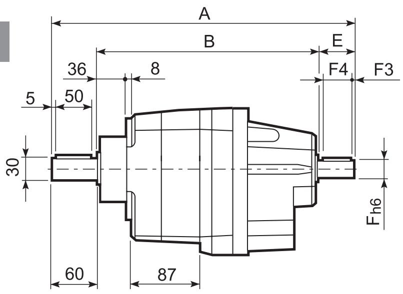


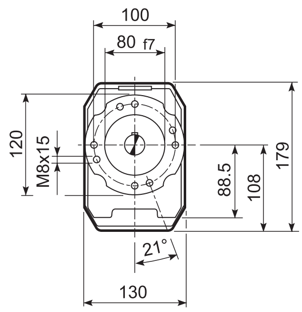




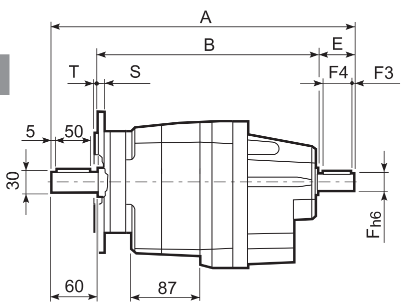
INPUT

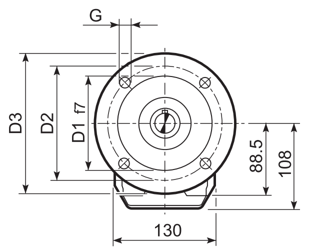
U





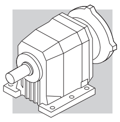
UF





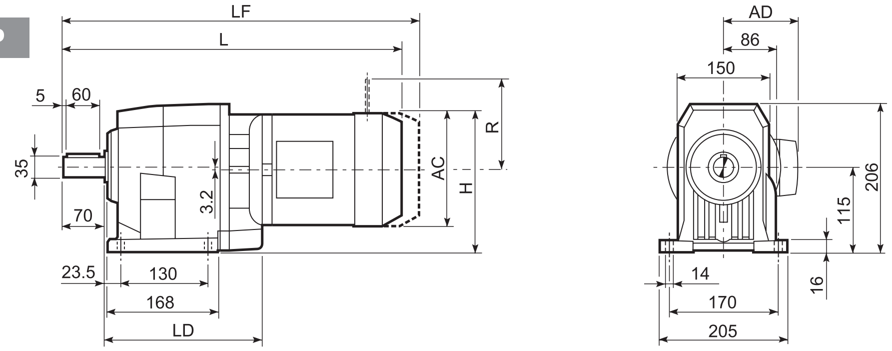
C 32_U	D1	D2	D3	G	T	S
FA	110	130	160	9	3	10
FB	130	165	200	11	3.5	11
FC	180	215	250	14	4	13

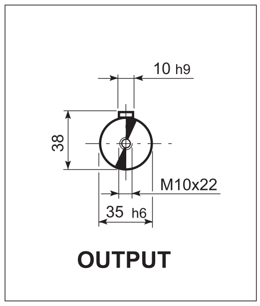
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 32 2	HS	357.5	257.5	40	19	21.5	6	2.5	35	M6x16	11.1
C 32 3		372	272	40	16	18	5	2.5	35	M6x16	10.6



C 36...M/ME/MX

P





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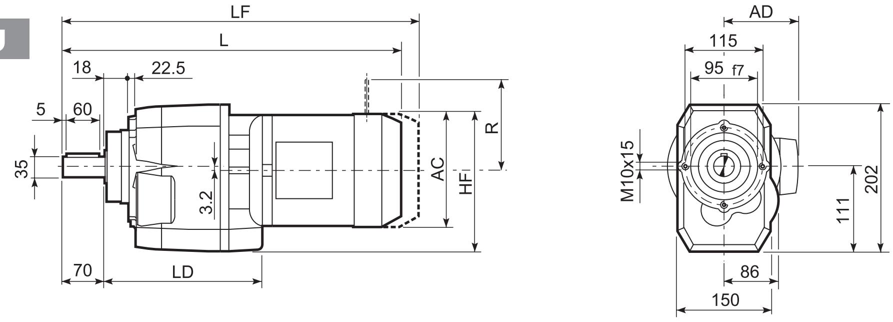
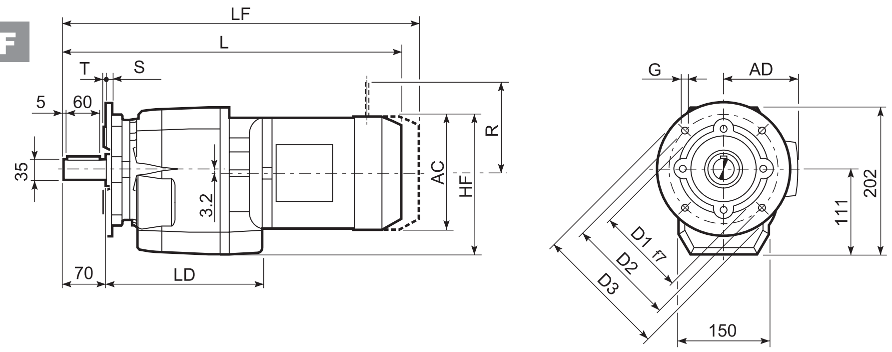
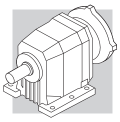


UF



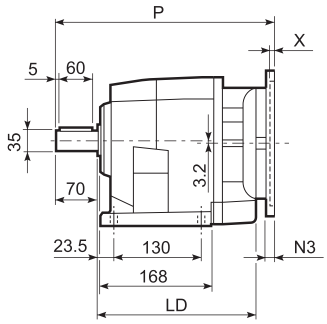
C 36_U	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	14

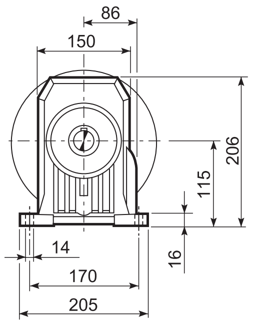
											M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
C 36 2/3	S1	M1		138	184	177	481	214	108	20	542	21	103	135	124	108
C 36 2/3	S2	ME2S		156	193	186	509	226	119	23	—	—	—	—	—	—
C 36 2/3	S3	ME3S		195	212.5	205.5	553	236	142	29.5	—	—	—	—	—	—
C 36 2/3	S3	ME3L		195	212.5	205.5	585	236	142	37	—	—	—	—	—	—
C 36 2/3	S4	ME4	MX4	258	244	240	693.5	—	193	71	—	—	—	—	—	—
C 36 2/3	S4	ME4LB	MX4LA	258	244	240	728.5	—	193	79	—	—	—	—	—	—
C 36 4	S05	M05		121	175.5	168.5	509.5	—	95	19	575.5	20	96	122	116	95
C 36 4	S1	M1		138	184	177	538.5	—	108	21	599.5	22	103	135	124	108
C 36 4	S2	ME2S		156	193	186	566.5	—	119	24	—	—	—	—	—	—
C 36 4	S3	ME3S		195	212.5	205.5	610.5	—	142	30.5	—	—	—	—	—	—
C 36 4	S3	ME3L		195	212.5	205.5	642.5	—	142	38	—	—	—	—	—	—

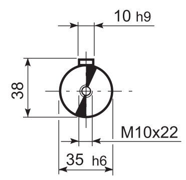


C 36...P(IEC)

P

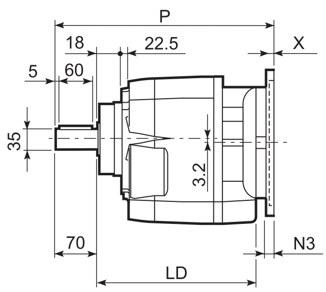


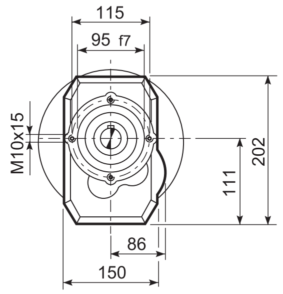


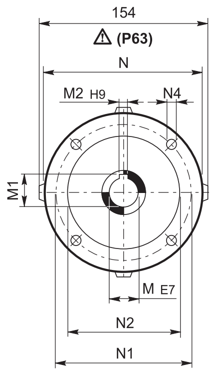


OUTPUT

U

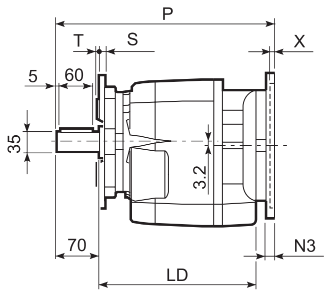


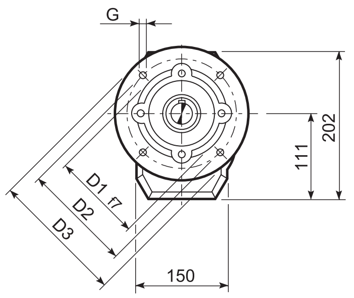




INPUT

UF

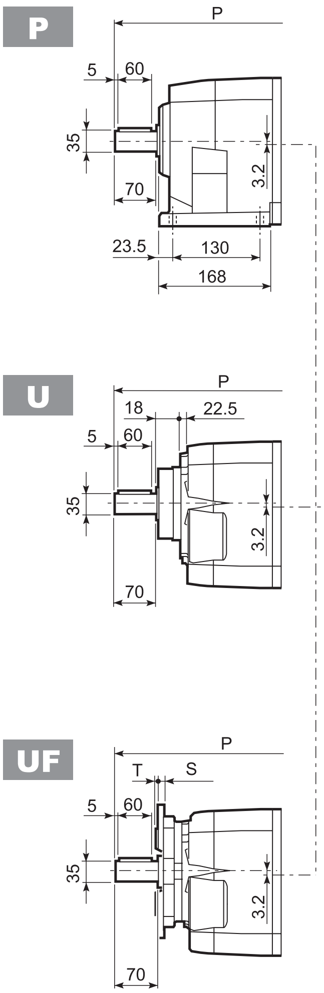


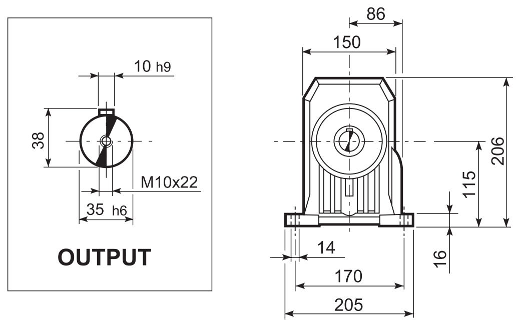


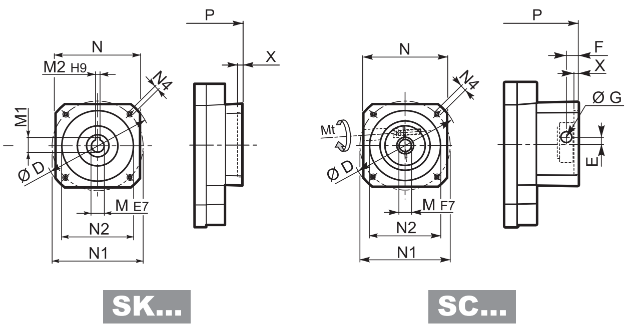
C 36_U	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	14

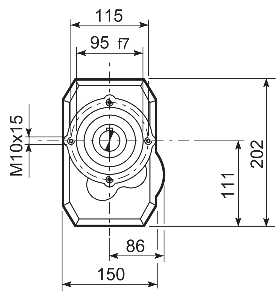
		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 36 2/3	P63	226	11	12.8	4	140	115	95	—	M8x19	4	326	17
C 36 2/3	P71	226	14	16.3	5	160	130	110	—	M8x16	4.5	326	17
C 36 2/3	P80	236	19	21.8	6	200	165	130	—	M10x12	4	345.5	18
C 36 2/3	P90	236	24	27.3	8	200	165	130	—	M10x12	4	345.5	18
C 36 2/3	P100	236	28	31.3	8	250	215	180	—	M12x16	4.5	355.5	22
C 36 2/3	P112	236	28	31.3	8	250	215	180	—	M12x16	4.5	355.5	22
C 36 2/3	P132	—	38	41.3	10	300	265	230	16	14	5	392.5	25
C 36 4	P63	—	11	12.8	4	140	115	95	—	M8x19	4	383.5	20
C 36 4	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	383.5	20
C 36 4	P80	—	19	21.8	6	200	165	130	—	M10x12	4	403	21
C 36 4	P90	—	24	27.3	8	200	165	130	—	M10x12	4	403	21
C 36 4	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	413	25
C 36 4	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	413	25

C 36...SK / SC

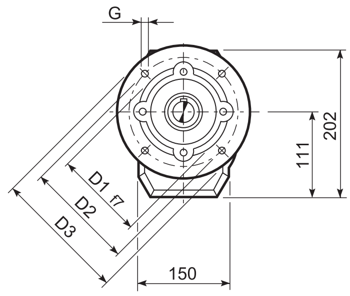






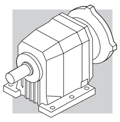


C 36_U	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	14



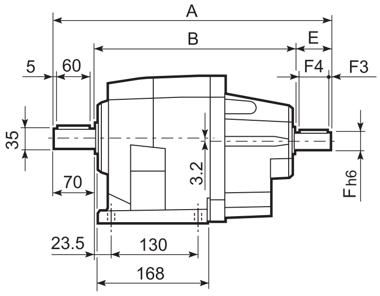
		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C 36 2/3/4	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	297.5	355	16/16/19
C 36 2/3/4	SK60B	102	14	16.3	5	82	75	60	M5x10	4	304.5	362	17/17/20
C 36 2/3/4	SK80A	115	14	16.3	5	90	100	80	M6x12	4	304.5	362	18/18/21
C 36 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	304.5	403	18/18/21
C 36 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	345.5	403	18/18/21
C 36 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	345.5	403	18/18/21
C 36 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	345.5	403	18/18/21
C 36 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	345.5	403	18/18/21
C 36 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	345.5	403	18/18/21
C 36 2/3	SK130A	188	24	27.3	8	142	165	130	M10x20	5	345.5	—	19/19

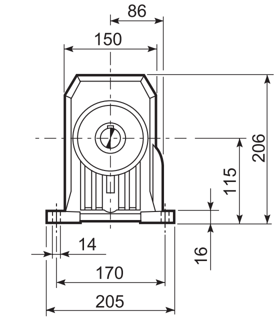
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C 36 2/3/4	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	324.5	382	17/17/20
C 36 2/3/4	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	324.5	382	18/18/21
C 36 2/3/4	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	324.5	426.5	18/18/21
C 36 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	369	426.5	19/19/22
C 36 2/3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	369	426.5	19/19/22
C 36 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	369	426.5	19/19/22
C 36 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	369	426.5	19/19/22
C 36 2/3/4	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	369	426.5	21/21/24
C 36 2/3/4	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	369	426.5	21/21/24
C 36 2/3	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	369	—	22/22

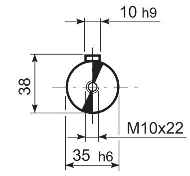


C 36...HS

P

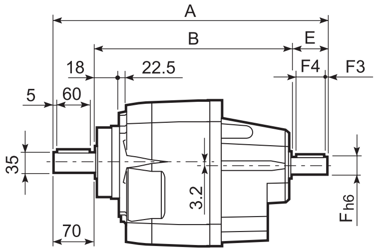


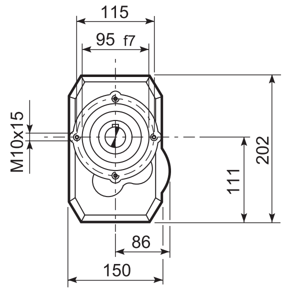


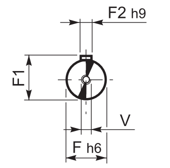


OUTPUT

U

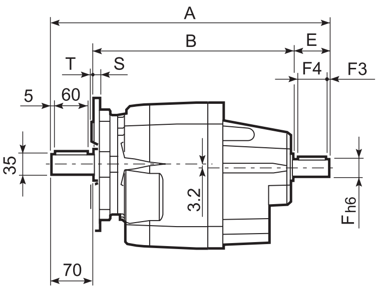


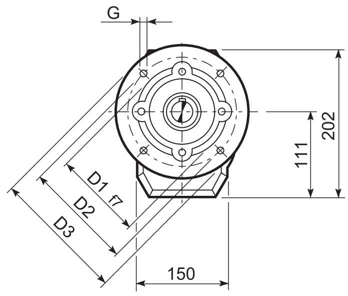




INPUT

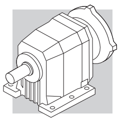
UF





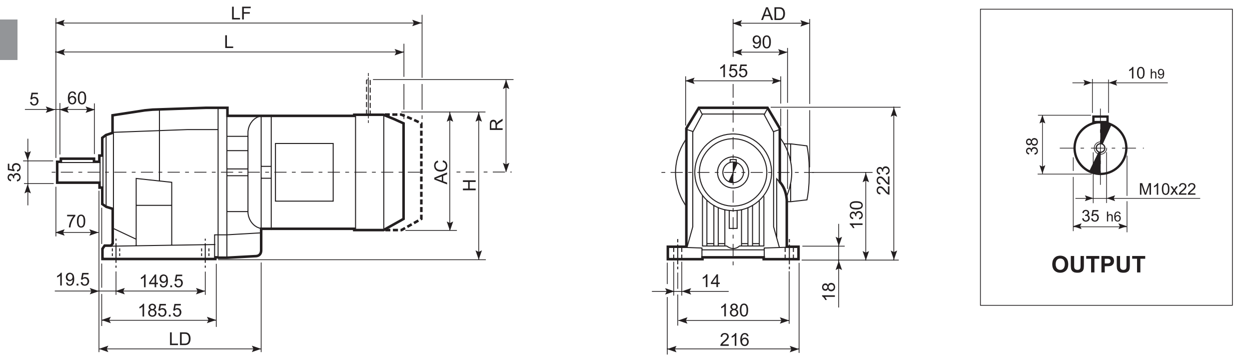
C 36_U						
	D1	**D2**	**D3**	**G**	**T**	**S**
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	14

		A	**B**	**E**	**F**	**F1**	**F2**	**F3**	**F4**	**V**	Kg
C 36 2	**HS**	415.5	295.5	50	24	27	8	2.5	45	M8x19	25.5
C 36 3		415.5	295.5	50	24	27	8	2.5	45	M8x19	25.5
C 36 4		390.5	280.5	40	16	18	5	2.5	36	M6x16	26.5

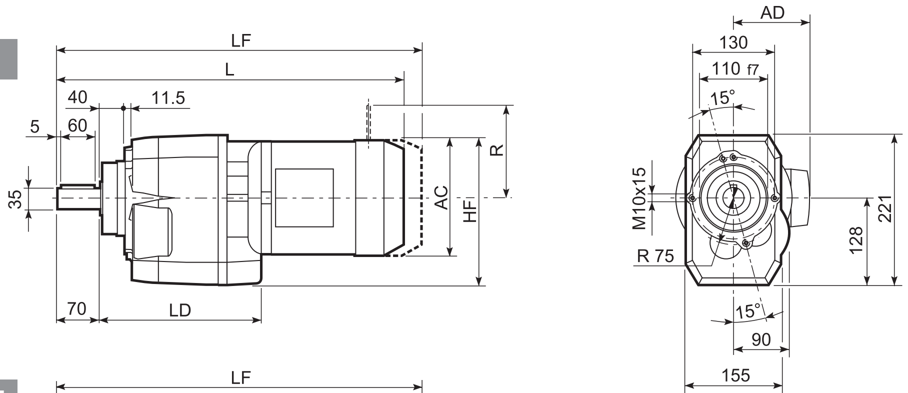


C 41...M/ME/MX

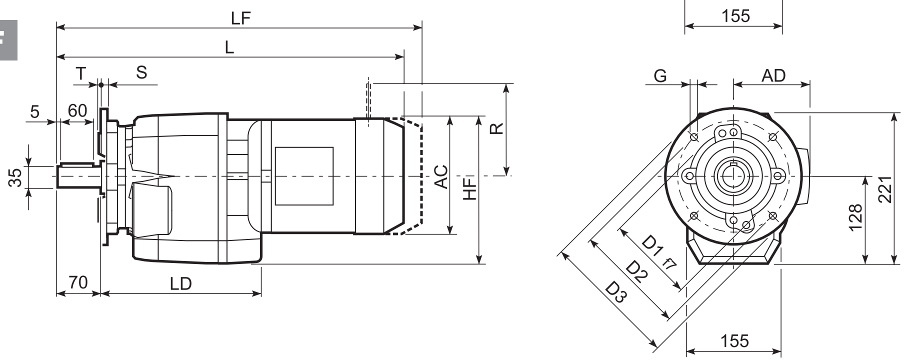
P



U

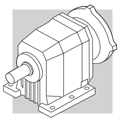


UF



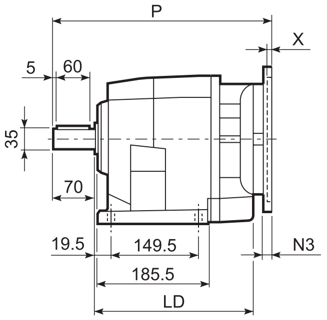
C 41_U	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	13

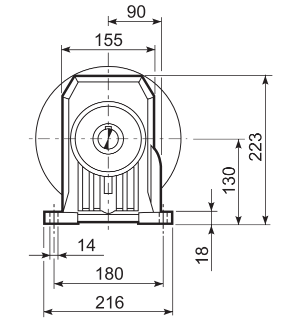
											M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
C 41 2/3	S1	M1		138	199	197	491.5	220	108	25	552.5	28	103	135	124	108
C 41 2/3	S2	ME2S		156	208	206	519.5	235.5	119	31	—	—	—	—	—	—
C 41 2/3	S3	ME3S		195	227.5	225.5	563.5	251.5	142	37.5	—	—	—	—	—	—
C 41 2/3	S3	ME3L		195	227.5	225.5	595.5	251.5	142	45	—	—	—	—	—	—
C 41 2/3	S4	ME4	MX4	258	259	257	703.5	—	193	71	—	—	—	—	—	—
C 41 2/3	S4	ME4LB	MX4LA	258	259	257	739	—	193	78	—	—	—	—	—	—
C 41 4	S05	M05		231	245.5	243.5	524	—	95	27	590	28	96	122	116	95
C 41 4	S1	M1		138	199	197	553	—	108	28	614	31	103	135	124	108
C 41 4	S2	ME2S		156	208	206	581	—	119	34	—	—	—	—	—	—
C 41 4	S3	ME3S		195	227.5	225.5	625	—	142	40.5	—	—	—	—	—	—
C 41 4	S3	ME3L		195	227.5	225.5	657	—	142	48	—	—	—	—	—	—

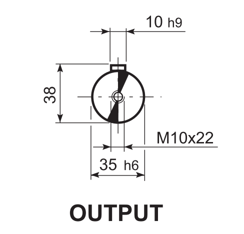


C 41...P(IEC)

P







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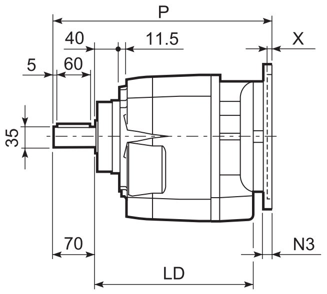
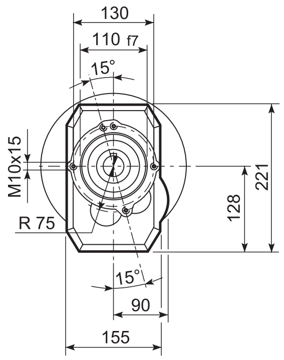
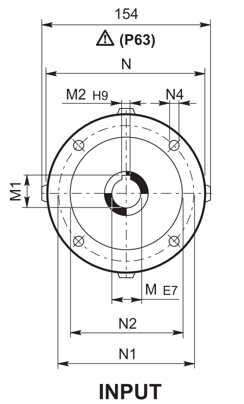
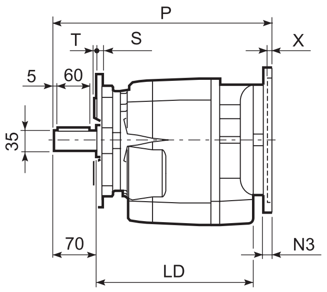
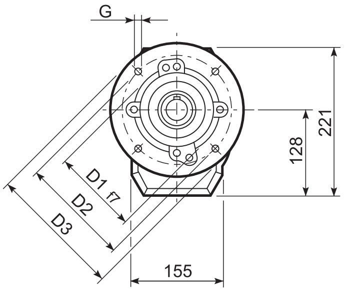






UF

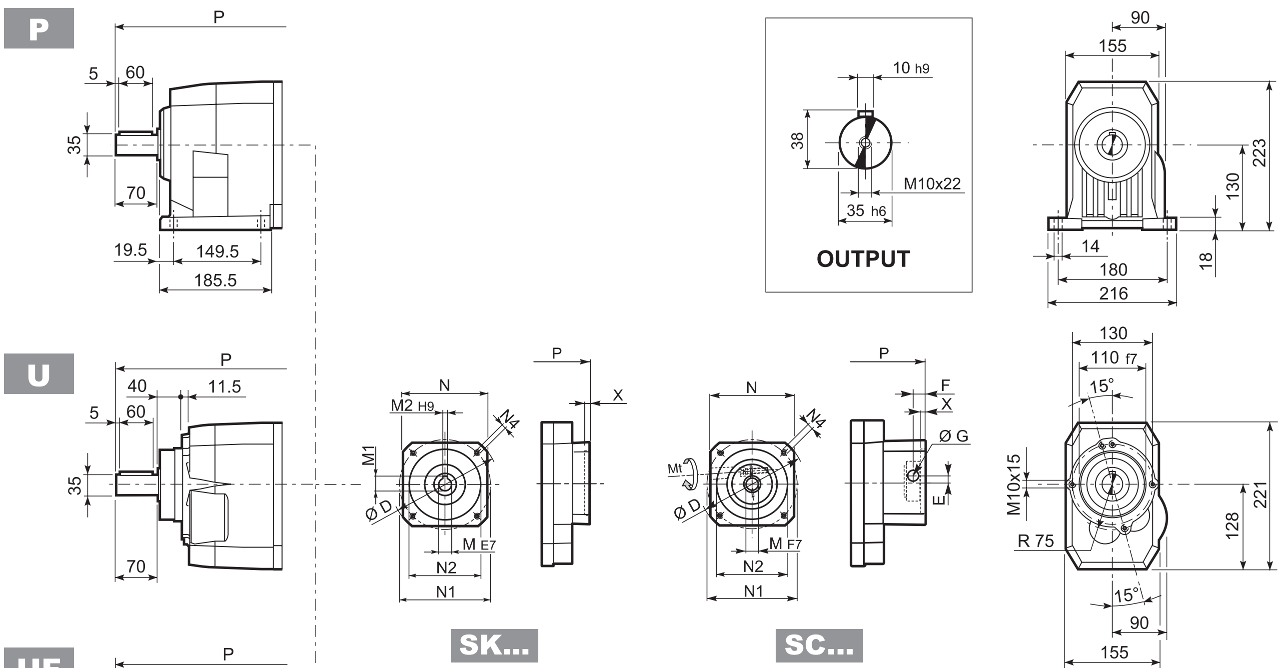


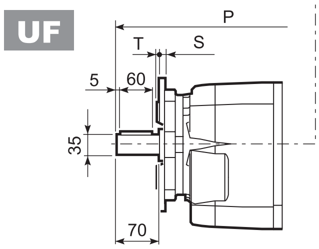


C 41_U	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	13

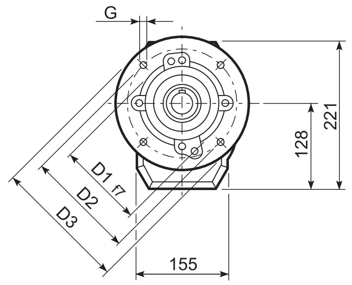
		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 41 2/3	P63	235.5	11	12.8	4	140	115	95	—	M8x19	4	336.5	27
C 41 2/3	P71	235.5	14	16.3	5	160	130	110	—	M8x16	4.5	336.5	28
C 41 2/3	P80	251.5	19	21.8	6	200	165	130	—	M10x12	4	356	29
C 41 2/3	P90	251.5	24	27.3	8	200	165	130	—	M10x12	4	356	29
C 41 2/3	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	366	33
C 41 2/3	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	366	33
C 41 2/3	P132	—	38	41.3	10	300	265	230	16	14	5	402.5	35
C 41 4	P63	—	11	12.8	4	140	115	95	—	M8x19	4	395	30
C 41 4	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	395	31
C 41 4	P80	—	19	21.8	6	200	165	130	—	M10x12	4	414.5	32
C 41 4	P90	—	24	27.3	8	200	165	130	—	M10x12	4	414.5	32
C 41 4	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	424.5	36
C 41 4	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	424.5	36

C 41...SK / SC



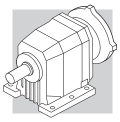


	C 41_U					
	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	13



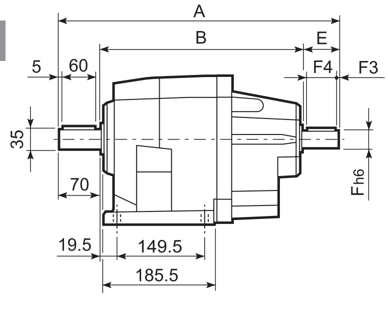
		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C41 4	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	—	370	31
C41 4	SK60B	102	14	16.3	5	82	75	60	M5x10	4	—	377	32
C41 4	SK80A	115	14	16.3	5	90	100	80	M6x12	4	—	377	32
C41 2/3	SK80B	120	14	16.3	5	96	100	80	M6x12	4	356.5	—	29/29
C41 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	356.5	418	29/29/32
C41 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	356.5	418	29/29/32
C41 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	356.5	418	29/29/33
C41 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	356.5	418	29/29/36
C41 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	356.5	418	29/29/36
C41 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	356.5	418	29/29/36
C41 2/3	SK130A	188	24	27.3	8	142	165	130	M10x20	5	356.5	—	31/31
C41 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	403	—	33/33
C41 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	403	—	33/33
C41 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	403	—	38/38

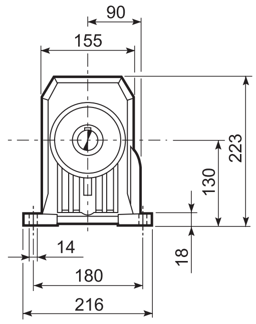
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C41 4	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	—	397	32
C41 4	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	—	397	33
C41 4	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	—	397	33
C41 2/3	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	380	—	30/30
C41 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	380	441.5	30/30/33
C41 2/3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	380	441.5	30/30/34
C41 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	380	441.5	30/30/34
C41 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	380	441.5	30/30/35
C41 2/3/4	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	380	441.5	31/31/39
C41 2/3/4	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	380	441.5	31/31/39
C41 2/3	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	380	—	32/32
C41 2/3	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	426	—	36/36
C41 2/3	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	430	—	36/36
C41 2/3	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	430	—	35/35

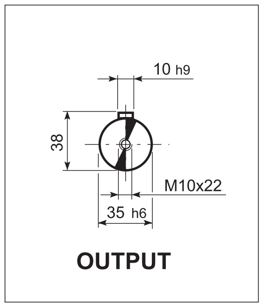


C 41...HS

P







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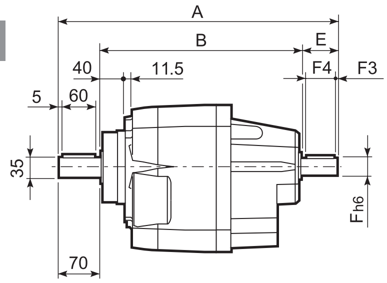

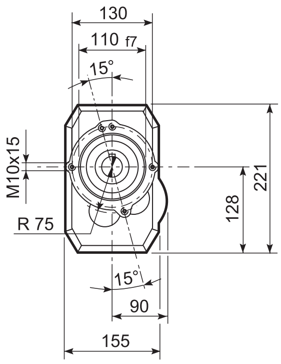

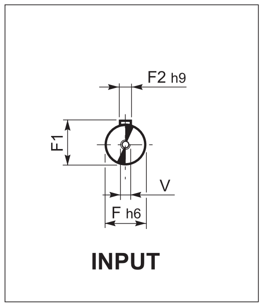

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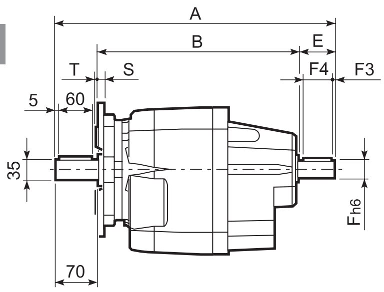
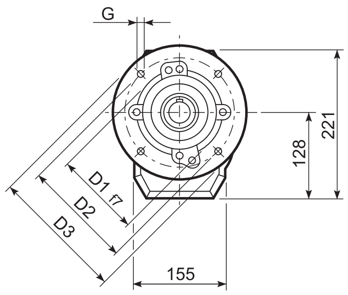
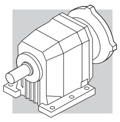




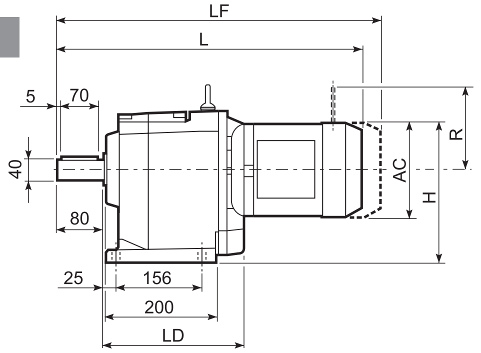
C 41_U	D1	D2	D3	G	T	S
FA	130	165	200	11	3.5	11
FB	180	215	250	14	4	13

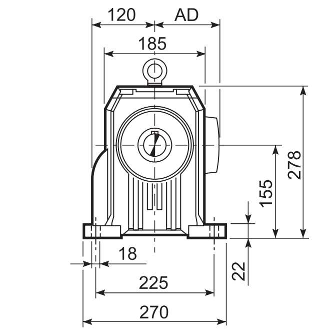
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 41 2	**HS**	425.5	305.5	50	24	27	8	2.5	45	M8x19	30
C 41 3		425.5	305.5	50	24	27	8	2.5	45	M8x19	30
C 41 4		448	338	40	19	21.5	6	2.5	35	M6x16	33

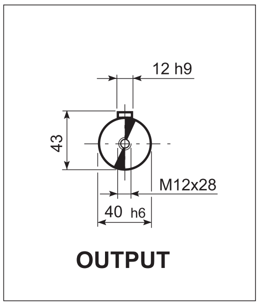


C 51...M/ME/MX

P







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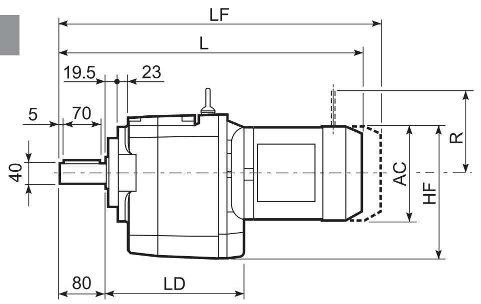

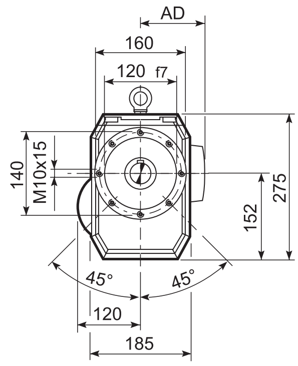

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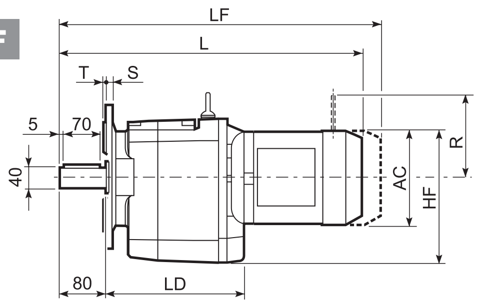
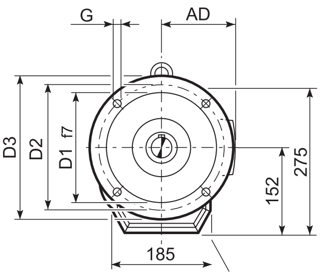
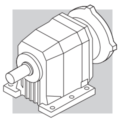




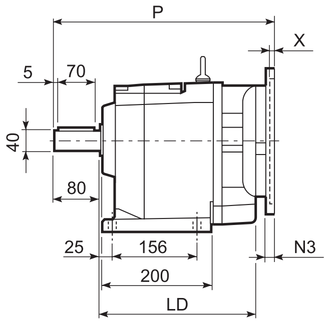
C 51_U						
	D1	D2	D3	G	T	S
FA	180	215	250	14	4	13
FB	230	265	300	14	4	16

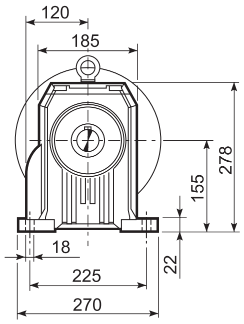
											M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
C 51 2/3	S1	M1		138	224	221	517.5	—	108	49	578.5	52	103	135	124	108
C 51 2/3	S2	ME2S		156	233	230	545.5	252.5	119	53	—	—	—	—	—	—
C 51 2/3	S3	ME3S		195	252.5	249.5	589.5	267.5	142	59.5	—	—	—	—	—	—
C 51 2/3	S3	ME3L		195	252.5	249.5	621.5	267.5	142	65	—	—	—	—	—	—
C 51 2/3	S4	ME4	MX4	258	284	281	729.5	—	193	99	—	—	—	—	—	—
C 51 2/3	S4	ME4LB	MX4LA	258	284	281	764.5	—	193	107	—	—	—	—	—	—
C 51 2/3	S5	ME5S	MX5S	310	310	307	816	—	245	127	—	—	—	—	—	—
C 51 2/3	S5	ME5L	MX5L	310	310	307	860	—	245	143	—	—	—	—	—	—
C 51 4	S1	M1		138	224	221	589	—	108	52	650	55	103	135	124	108
C 51 4	S2	ME2S		156	233	230	617	—	119	56	—	—	—	—	—	—
C 51 4	S3	ME3S		195	252.5	249.5	661	—	142	62.5	—	—	—	—	—	—
C 51 4	S3	ME3L		195	252.5	249.5	693	—	142	68	—	—	—	—	—	—
C 51 4	S4	ME4	MX4	258	284	281	801	—	193	98	—	—	—	—	—	—
C 51 4	S4	ME4LB	MX4LA	258	284	281	836	—	193	112	—	—	—	—	—	—

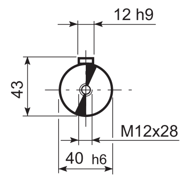


C 51...P(IEC)

P

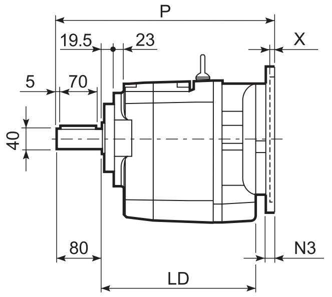


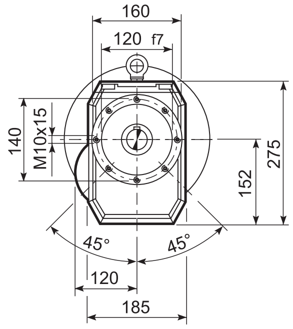


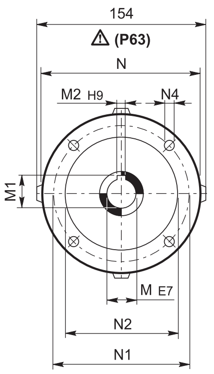


OUTPUT

U

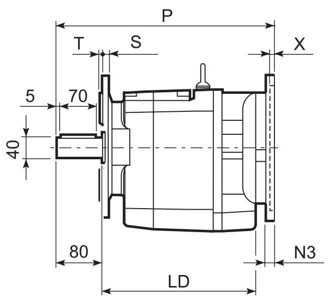


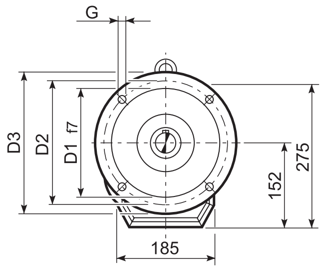




INPUT

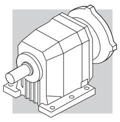
UF





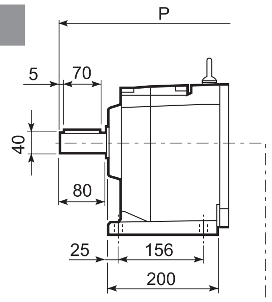
C 51_U						
	D1	D2	D3	G	T	S
FA	180	215	250	14	4	13
FB	230	265	300	14	4	16

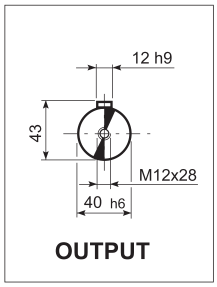
		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 51 2/3	P63	252.5	11	12.8	4	140	115	95	—	M8x19	4	362.5	45
C 51 2/3	P71	252.5	14	16.3	5	160	130	110	—	M8x16	4.5	362.5	45
C 51 2/3	P80	267.5	19	21.8	6	200	165	130	—	M10x12	4	382	47
C 51 2/3	P90	267.5	24	27.3	8	200	165	130	—	M10x12	4	382	47
C 51 2/3	P100	252.5	28	31.3	8	250	215	180	—	M12x16	4.5	392	51
C 51 2/3	P112	252.5	28	31.3	8	250	215	180	—	M12x16	4.5	392	51
C 51 2/3	P132	252.5	38	41.3	10	300	265	230	16	14	5	428.5	54
C 51 2/3	P160	—	42	45.3	12	350	300	250	23	18	5.5	479	58
C 51 2/3	P180	—	48	51.8	14	350	300	250	23	18	5.5	479	58
C 51 4	P63	—	11	12.8	4	140	115	95	—	M8x19	4	434	47
C 51 4	P71	—	14	16.3	5	160	130	110	—	M8x16	4.5	434	47
C 51 4	P80	—	19	21.8	6	200	165	130	—	M10x12	4	453.5	49
C 51 4	P90	—	24	27.3	8	200	165	130	—	M10x12	4	463.5	49
C 51 4	P100	—	28	31.3	8	250	215	180	—	M12x16	4.5	463.5	53
C 51 4	P112	—	28	31.3	8	250	215	180	—	M12x16	4.5	463.5	53
C 51 4	P132	—	38	41.3	10	300	265	230	16	14	5	500	62

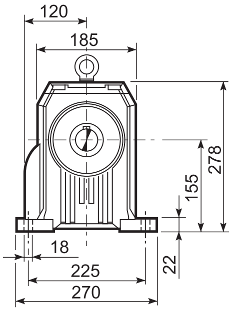


C 51...SK / SC

P







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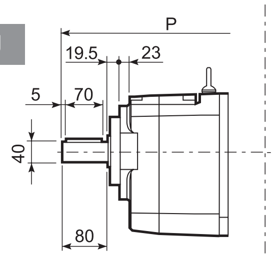
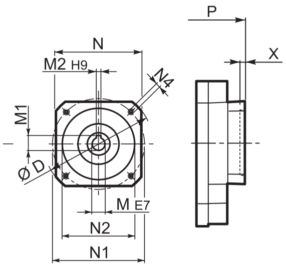
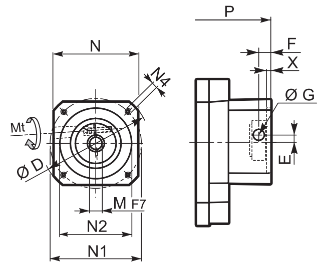
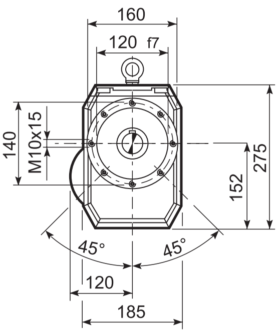




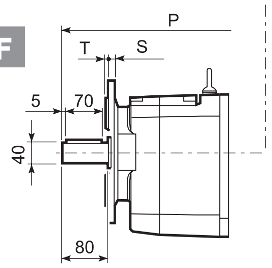
SK...



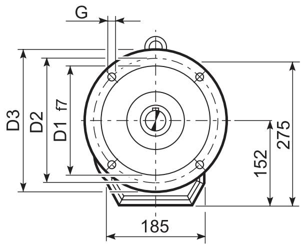
SC...



UF

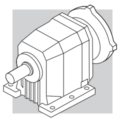


C 51_U						
	D1	D2	D3	G	T	S
FA	180	215	250	14	4	13
FB	230	265	300	14	4	16



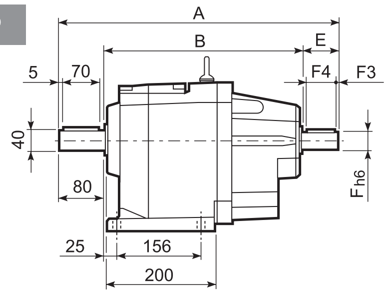
		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C 51 2/3	SK80B	120	14	16.3	5	96	100	80	M6x12	4	382	—	46/46
C 51 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	382	453.5	47/47/49
C 51 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	382	453.5	46/46/48
C 51 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	382	453.5	47/47/49
C 51 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	382	453.5	47/47/49
C 51 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	382	453.5	47/47/51
C 51 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	382	453.5	47/47/51
C 51 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	382	453.5	49/49/52
C 51 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	428.5	—	55/55
C 51 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	428.5	—	55/55
C 51 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	428.5	—	55/55

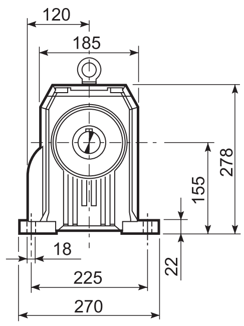
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C 51 2/3	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	405.5	—	47/47
C 51 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	405.5	477	48/48/50
C 51 2/3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	405.5	477	47/47/49
C 51 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	405.5	477	48/48/50
C 51 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	405.5	477	48/48/50
C 51 2/3/4	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	405.5	477	49/49/52
C 51 2/3/4	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	405.5	477	49/49/52
C 51 2/3/4	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	405.5	477	50/50/53
C 51 2/3	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	451.5	—	54/54
C 51 2/3	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	455.5	—	54/54
C 51 2/3	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	455.5	—	54/54

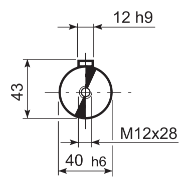


C 51...HS

P

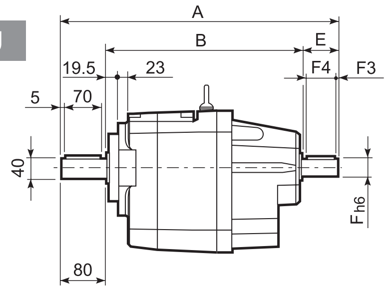


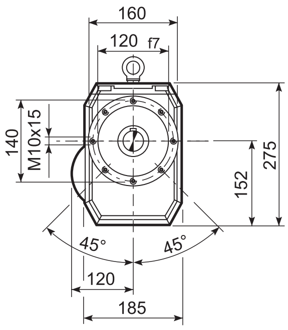


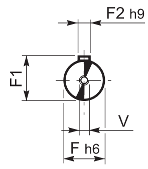


OUTPUT

U

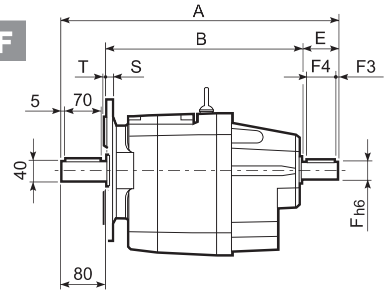


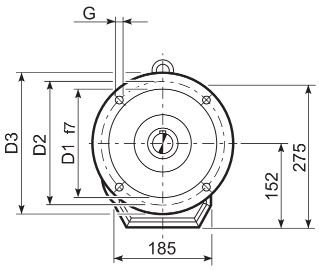




INPUT

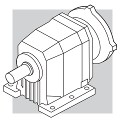
UF





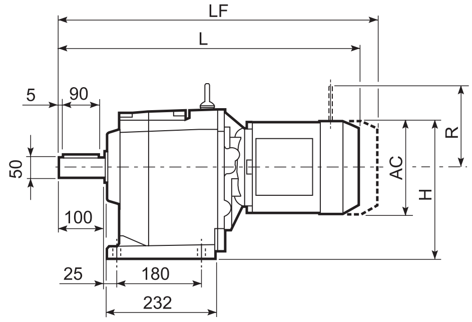
C 51_U						
	D1	D2	D3	G	T	S
FA	180	215	250	14	4	13
FB	230	265	300	14	4	16

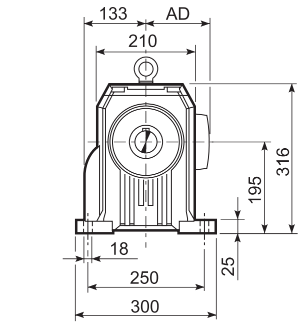
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 51 2	HS	451.5	322	50	24	24	8	2.5	45	M8x19	45
C 51 3		451.5	322	50	24	24	8	2.5	45	M8x19	45
C 51 4		484	364	40	19	21.5	6	2.5	35	M6x16	48

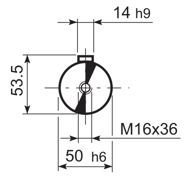


C 61...M/ME/MX

P

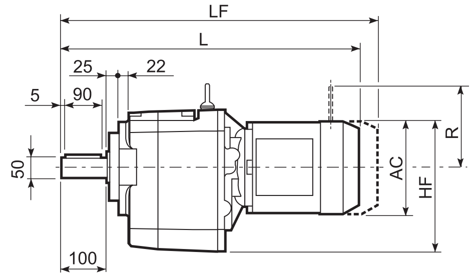


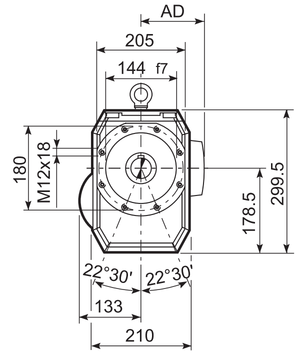




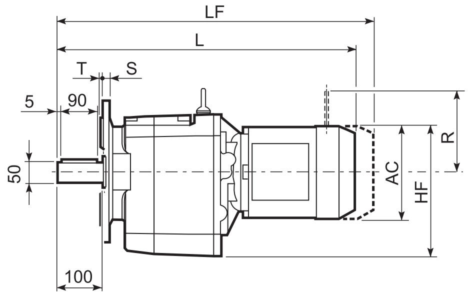
OUTPUT

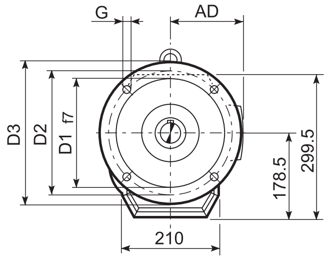
U





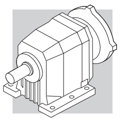
UF





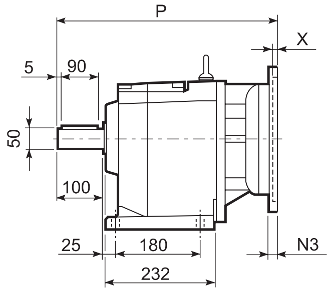
C 61_U						
	D1	**D2**	**D3**	**G**	**T**	**S**
FA	230	265	300	14	4	16
FB	250	300	350	18	5	18

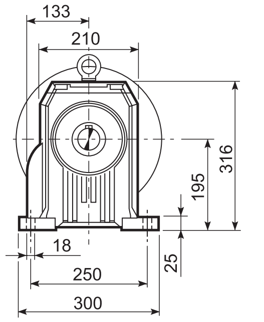
										M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
C 61 2/3	**S2**	**ME2S**		156	273	256.5	598.5	119	61	—	—	—	—	—	—
C 61 2/3	**S3**	**ME3S**		195	292.5	276	642.5	142	67.5	—	—	—	—	—	—
C 61 2/3	**S3**	**ME3L**		195	292.5	276	674.5	142	74	—	—	—	—	—	—
C 61 2/3	**S4**	**ME4**	**MX4**	258	324	307.5	782.5	193	108	—	—	—	—	—	—
C 61 2/3	**S4**	**ME4LB**	**MX4LA**	258	324	307.5	817.5	193	116	—	—	—	—	—	—
C 61 2/3	**S5**	**ME5S**	**MX5S**	310	350	333.5	869	245	136	—	—	—	—	—	—
C 61 2/3	**S5**	**ME5L**	**MX5L**	310	350	333.5	913	245	152	—	—	—	—	—	—
C 61 4	**S1**	**M1**		138	264	247.5	641	108	71	702	74	103	135	124	108
C 61 4	**S2**	**ME2S**		156	273	256.5	669	119	75	—	—	—	—	—	—
C 61 4	**S3**	**ME3S**		195	292.5	276	713	142	80.5	—	—	—	—	—	—
C 61 4	**S3**	**ME3L**		195	292.5	276	745	142	87	—	—	—	—	—	—

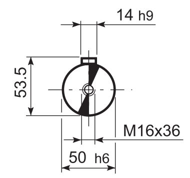


C 61...P(IEC)

P

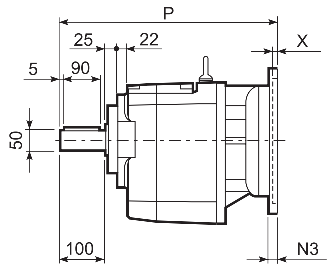


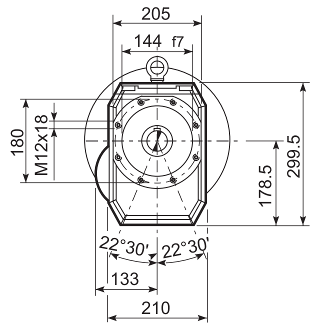


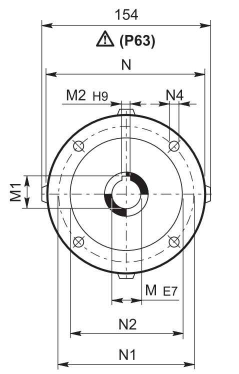


OUTPUT

U

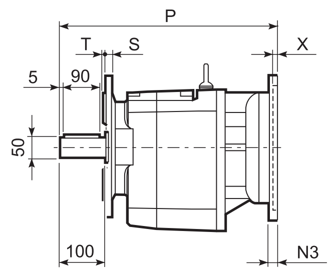


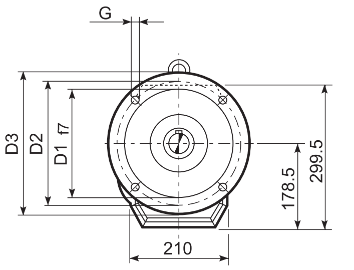




INPUT

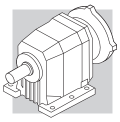
UF





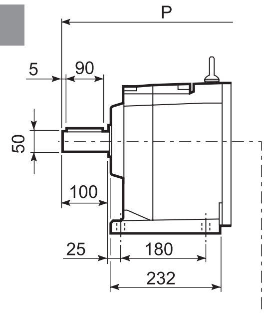
C 61_U						
	D1	D2	D3	G	T	S
FA	230	265	300	14	4	16
FB	250	300	350	18	5	18

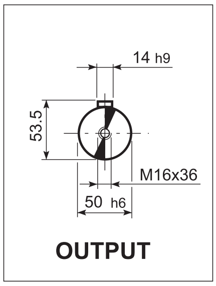
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 61 2/3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	415.5	55
C 61 2/3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	415.5	57
C 61 2/3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	435	61
C 61 2/3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	435	61
C 61 2/3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	444	65
C 61 2/3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	444	65
C 61 2/3	**P132**	38	41.3	10	300	265	230	16	14	5	481.5	68
C 61 2/3	**P160**	42	45.3	12	350	300	250	23	18	5.5	532	73
C 61 2/3	**P180**	48	51.8	14	350	300	250	23	18	5.5	532	73
C 61 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	486	61
C 61 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	489	63
C 61 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	505.5	67
C 61 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	505.5	67
C 61 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	515.5	71
C 61 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	515.5	71

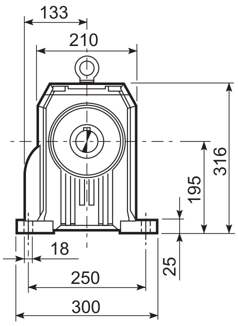


C 61...SK / SC

P







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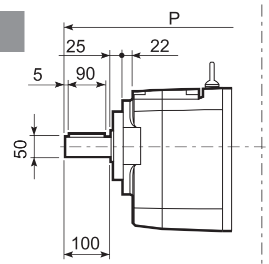
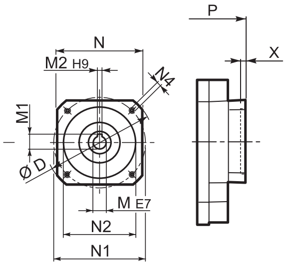
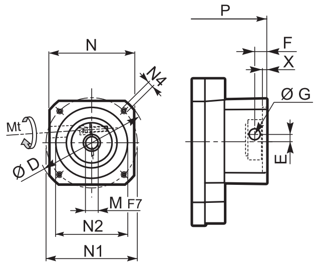
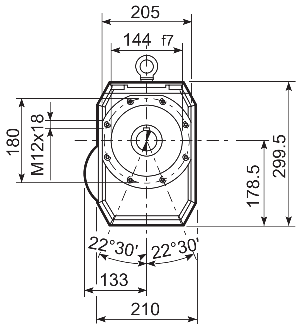




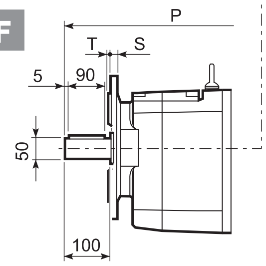
SK...



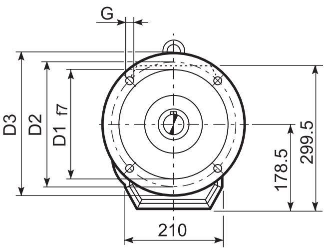
SC...



UF

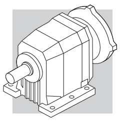


C 61_U	D1	D2	D3	G	T	S
FA	230	265	300	14	4	16
FB	250	300	350	18	5	18



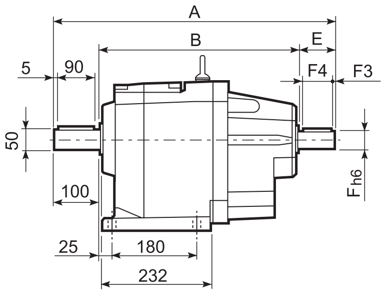
		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C 61 4	SK80B	120	14	16.3	5	96	100	80	M6x12	4	—	505.5	62
C 61 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	435	505.5	63/63/69
C 61 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	435	505.5	60/60/67
C 61 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	435	505.5	63/63/69
C 61 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	435	505.5	63/63/69
C 61 2/3/4	SK110A	140	19	21.8	6	120	130	110	M8x12	5	435	505.5	63/63/69
C 61 2/3/4	SK110B	140	24	27.3	8	120	130	110	M8x12	5	435	505.5	63/63/69
C 61 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	435	505.5	67/67/80
C 61 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	481.5	—	72/72
C 61 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	481.5	—	72/72
C 61 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	481.5	—	66/66

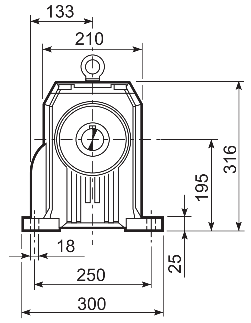
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
C 61 4	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	—	529	63
C 61 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	458.5	529	64/64/70
C 61 2/3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	458.5	529	61/61/68
C 61 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	458.5	529	64/64/70
C 61 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	458.5	529	64/64/70
C 61 2/3/4	SC110A	M6	15	140	16.5	16	17.75	19	120	130	110	M8x16	5	458.5	529	65/65/70
C 61 2/3/4	SC110B	M6	15	140	16.5	16	17.75	24	120	130	110	M8x16	5	458.5	529	65/65/70
C 61 2/3/4	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	458.5	529	66/66/81
C 61 2/3	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	504.5	—	75/75
C 61 2/3	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	508.5	—	75/75
C 61 2/3	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	508.5	—	69/69

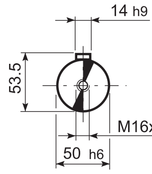


C 61...HS

P

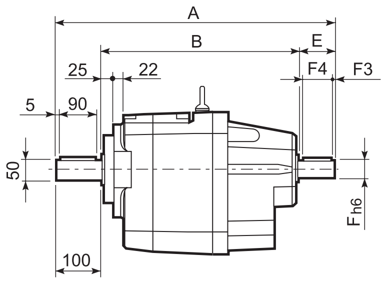


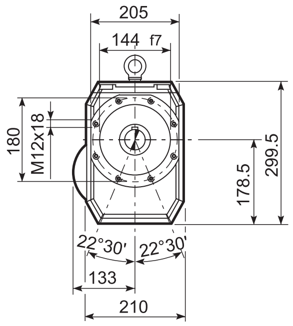


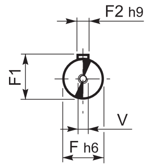


OUTPUT

U

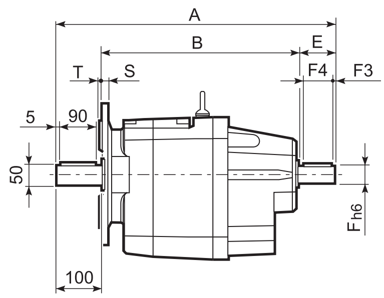


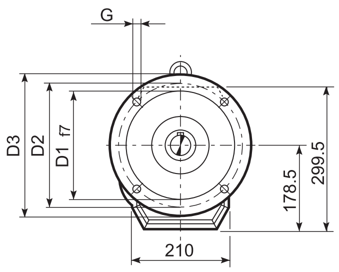




INPUT

UF



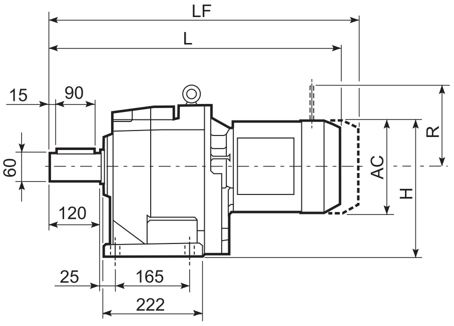


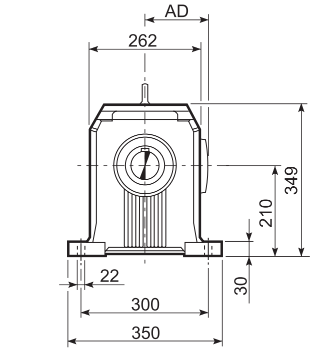
C 61_U						
	D1	D2	D3	G	T	S
FA	230	265	300	14	4	16
FB	250	300	350	18	5	18

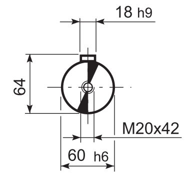
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 61 2	**HS**	532	372	60	28	31	8	5	50	M10x22	66
C 61 3		532	372	60	28	31	8	5	50	M10x22	66
C 61 4		575	425	50	24	27	8	2.5	45	M8x19	72

C 70...M/ME/MX

P

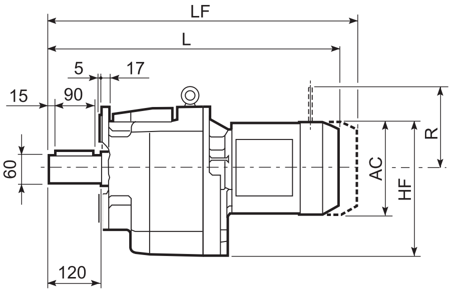


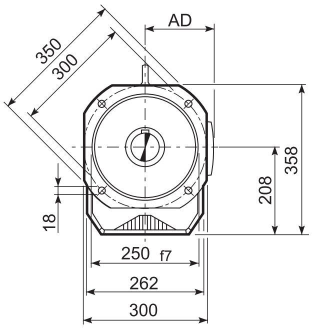




OUTPUT

F

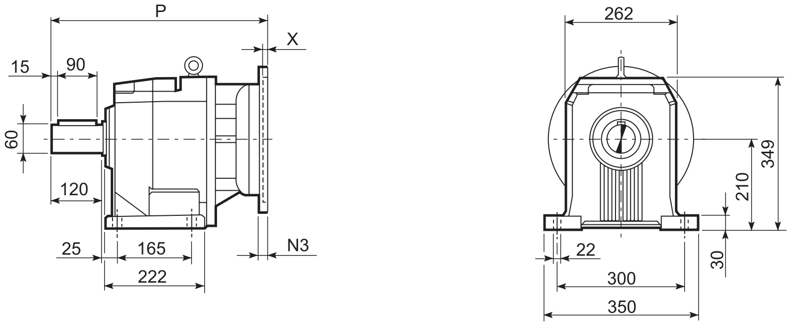


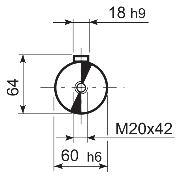


				AC	H	HF	L	AD	Kg	M...FD M...FA LF	Kg	M...FD R	AD	M...FA R	AD
C 70 2/3	S2	ME2S		156	288	286	636.5	119	88	—	—	—	—	—	—
C 70 2/3	S3	ME3S		195	307.5	305.5	680.5	142	94.5	—	—	—	—	—	—
C 70 2/3	S3	ME3L		195	307.5	305.5	712.5	142	101	—	—	—	—	—	—
C 70 2/3	S4	ME4	MX4	258	339	337	820.5	193	135	—	—	—	—	—	—
C 70 2/3	S4	ME4LB	MX4LA	258	339	337	855.5	193	143	—	—	—	—	—	—
C 70 2/3	S5	ME5S	MX5S	310	365	363	907	245	163	—	—	—	—	—	—
C 70 2/3	S5	ME5L	MX5L	310	365	363	951	245	179	—	—	—	—	—	—
C 70 4	S1	M1		138	279	277	659.5	108	88	720.5	91	103	135	124	108
C 70 4	S2	ME2S		156	288	286	687.5	119	92	—	—	—	—	—	—
C 70 4	S3	ME3S		195	307.5	305.5	731.5	142	98.5	—	—	—	—	—	—
C 70 4	S3	ME3L		195	307.5	305.5	763.5	142	104	—	—	—	—	—	—
C 70 4	S4	ME4	MX4	258	339	337	871.5	193	138	—	—	—	—	—	—
C 70 4	S4	ME4LB	MX4LA	258	339	337	906.5	193	146	—	—	—	—	—	—

C 70...P(IEC)

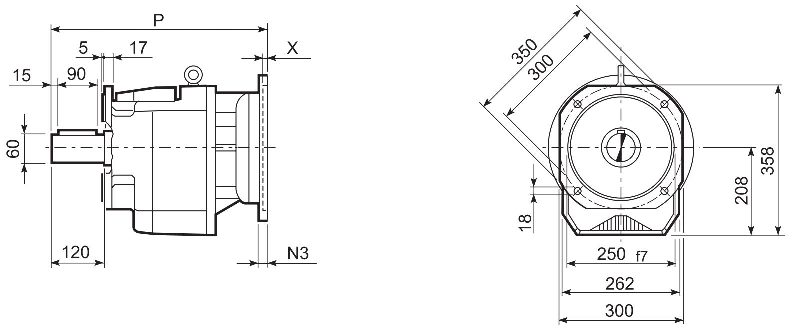
P

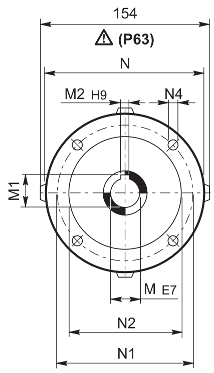




OUTPUT

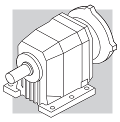
F





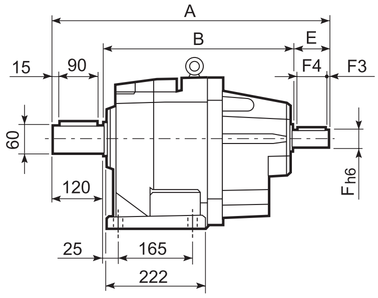
INPUT

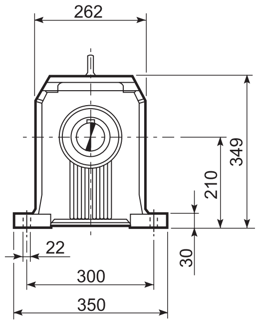
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 70 2/3	P80	19	21.8	6	200	165	130	—	M10x12	4	473	88
C 70 2/3	P90	24	27.3	8	200	165	130	—	M10x12	4	473	88
C 70 2/3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	483	92
C 70 2/3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	483	92
C 70 2/3	P132	38	41.3	10	300	265	230	16	14	5	519.5	95
C 70 2/3	P160	42	45.3	12	350	300	250	23	18	6	575	107
C 70 2/3	P180	48	51.8	14	350	300	250	23	18	6	575	107
C 70 2	P200	55	59.3	16	400	350	300	—	M16x25	7	600	129
C 70 4	P63	11	12.8	4	140	115	95	—	M8x19	4	504.5	91
C 70 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	504.5	91
C 70 4	P80	19	21.8	6	200	165	130	—	M10x12	4	524	92
C 70 4	P90	24	27.3	8	200	165	130	—	M10x12	4	524	92
C 70 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	534	96
C 70 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	534	96
C 70 4	P132	38	41.3	10	300	265	230	16	14	5	570.5	98

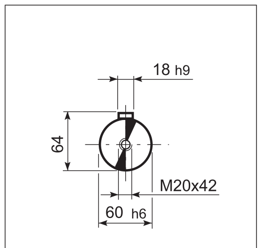


C 70...HS

P

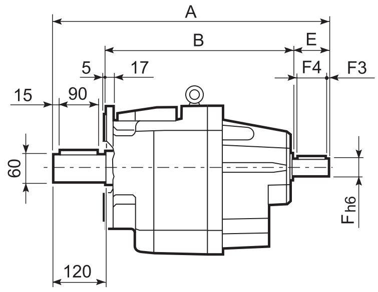


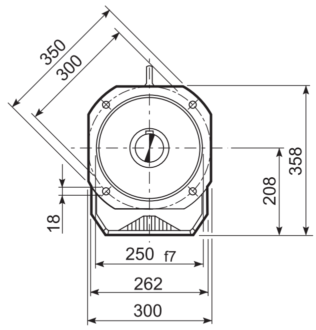


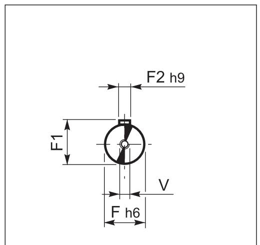


OUTPUT

F





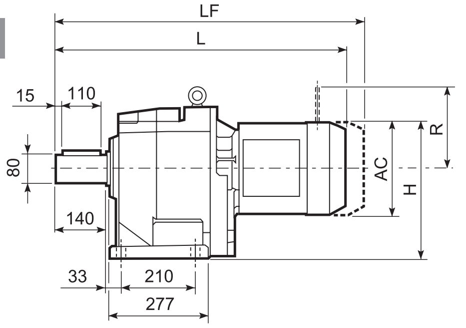


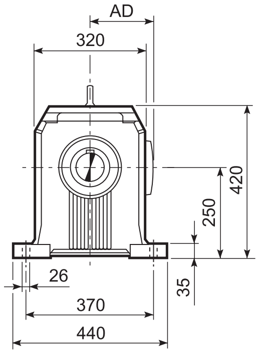
INPUT

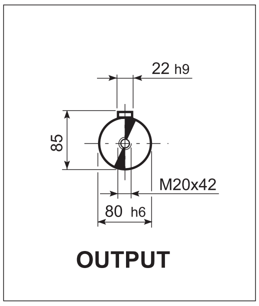
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 70 2	**HS**	657.5	427.5	110	42	45	12	10	90	M12x28	108
C 70 3		657.5	427.5	110	42	45	12	10	90	M12x28	108
C 70 4		593.5	423.5	50	24	27	8	2.5	45	M8x19	94

C 80...M/ME/MX

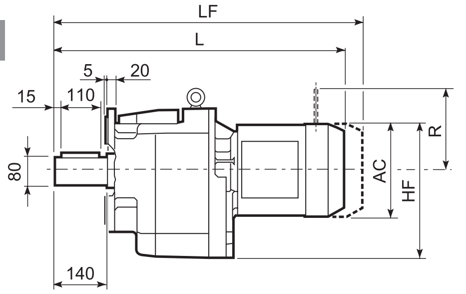
P

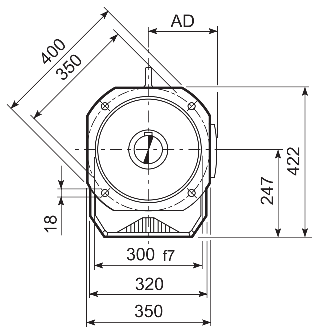




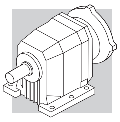


F



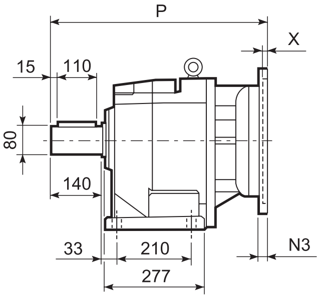


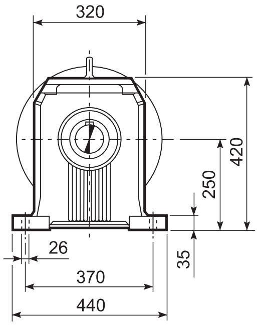
										M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
C 80 2/3	**S3**	**ME3S**		195	347.5	344.5	742.5	142	140.5	—	—	—	—	—	—
C 80 2/3	**S3**	**ME3L**		195	347.5	344.5	774.5	142	146	—	—	—	—	—	—
C 80 2/3	**S4**	**ME4**	**MX4**	258	379	376	882.5	193	180	—	—	—	—	—	—
C 80 2/3	**S4**	**ME4LB**	**MX4LA**	258	379	376	917.5	193	188	—	—	—	—	—	—
C 80 2/3	**S5**	**ME5S**	**MX5S**	310	405	402	969	245	208	—	—	—	—	—	—
C 80 2/3	**S5**	**ME5L**	**MX5L**	310	405	402	1013	245	224	—	—	—	—	—	—
C 80 4	**S1**	**M1**		138	319	316	733.5	108	133	794.5	136	103	135	124	108
C 80 4	**S2**	**ME2S**		156	328	325	761.5	119	137	—	—	—	—	—	—
C 80 4	**S3**	**ME3S**		195	347.5	344.5	805.5	142	143.5	—	—	—	—	—	—
C 80 4	**S3**	**ME3L**		195	347.5	344.5	837.5	142	149	—	—	—	—	—	—
C 80 4	**S4**	**ME4**	**MX4**	258	379	376	945.5	193	183	—	—	—	—	—	—
C 80 4	**S4**	**ME4LB**	**MX4LA**	258	379	376	980.5	193	191	—	—	—	—	—	—

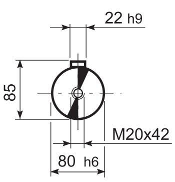


C 80...P(IEC)

P

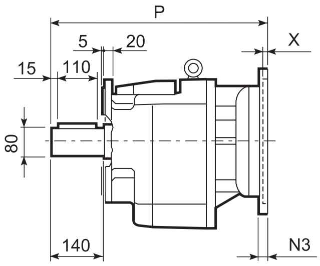


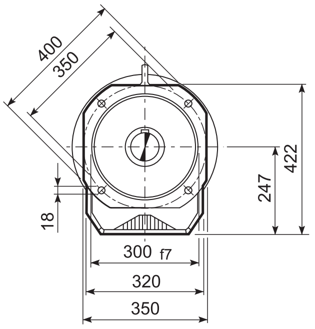


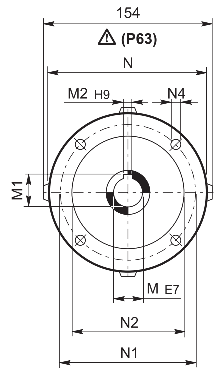


OUTPUT

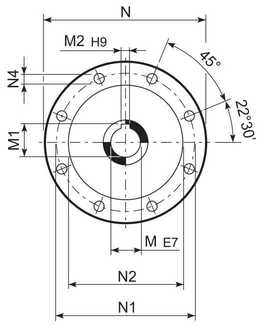
F





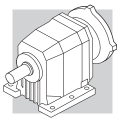


INPUT
P63...P200



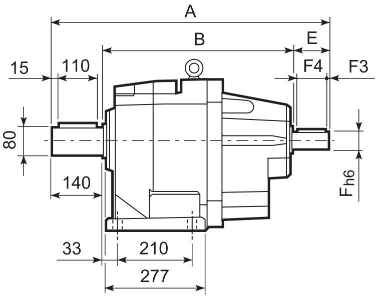
INPUT
P225

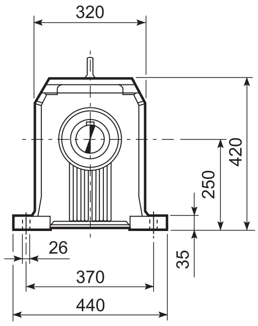
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 80 2/3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	533	135
C 80 2/3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	533	135
C 80 2/3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	543	139
C 80 2/3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	543	139
C 80 2/3	**P132**	38	41.3	10	300	265	230	16	14	5	579.5	141
C 80 2/3	**P160**	42	45.3	12	350	300	250	23	18	6	635	154
C 80 2/3	**P180**	48	51.8	14	350	300	250	23	18	6	635	154
C 80 2	**P200**	55	59.3	16	400	350	300	—	M16x25	7	660	176
C 80 2	**P225**	60	64.4	18	450	400	350	25	18	6	705.5	178
C 80 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	576.5	138
C 80 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	576.5	138
C 80 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	596	140
C 80 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	596	140
C 80 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	606	144
C 80 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	606	144
C 80 4	**P132**	38	41.3	10	300	265	230	16	M12x16	5	642.5	146

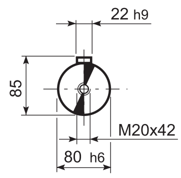


C 80...HS

P

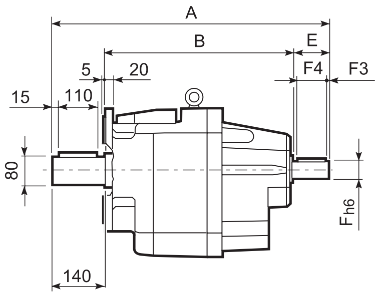


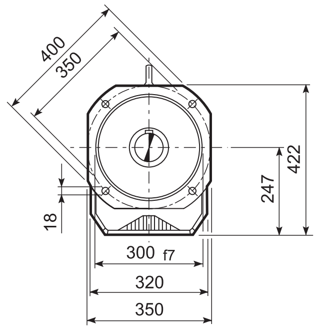


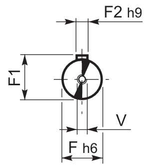


OUTPUT

F

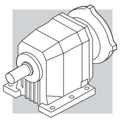






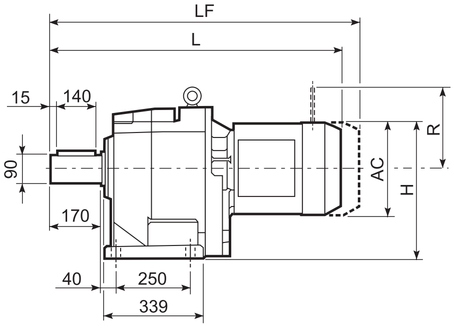
INPUT

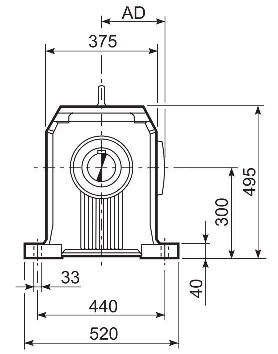
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 80 2	**HS**	718.5	468.5	110	42	45	12	10	90	M12x28	154
C 80 3		718.5	468.5	110	42	45	12	10	90	M12x28	154
C 80 4		666.5	476.5	50	24	27	8	2.5	45	M8x19	141

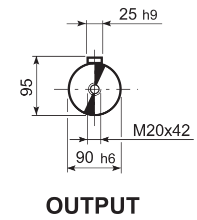


C 90...M/ME/MX

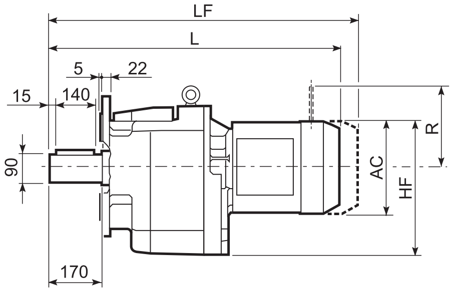
P

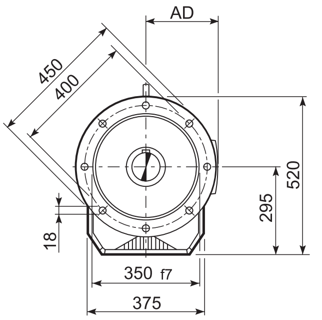




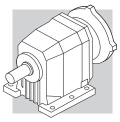


F



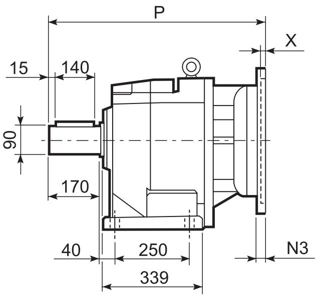


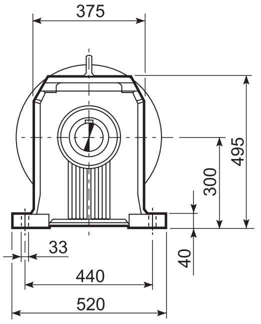
										M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
C 90 2/3	**S3**	**ME3S**		195	397.5	392.5	852	142	229.5	—	—	—	—	—	—
C 90 2/3	**S3**	**ME3L**		195	397.5	392.5	884	142	236	—	—	—	—	—	—
C 90 2/3	**S4**	**ME4**	**MX4**	258	429	424	992	193	270	—	—	—	—	—	—
C 90 2/3	**S4**	**ME4LB**	**MX4LA**	258	429	424	1027	193	278	—	—	—	—	—	—
C 90 2/3	**S5**	**ME5S**	**MX5S**	310	455	450	1078.5	245	298	—	—	—	—	—	—
C 90 2/3	**S5**	**ME5L**	**MX5L**	310	455	450	1122.5	245	314	—	—	—	—	—	—
C 90 4	**S1**	**M1**		138	369	364	862	108	226	923	228	103	135	124	108
C 90 4	**S2**	**M2S**		156	378	373	891	119	234	962	238	129	146	134	119
C 90 4	**S2**	**ME2S**		156	378	373	891	119	234	—	—	—	—	—	—
C 90 4	**S3**	**ME3S**		195	397.5	392.5	935	142	240.5	—	—	—	—	—	—
C 90 4	**S3**	**ME3L**		195	397.5	392.5	967	142	246	—	—	—	—	—	—
C 90 4	**S4**	**ME4**	**MX4**	258	429	424	1075	193	280	—	—	—	—	—	—
C 90 4	**S4**	**ME4LB**	**MX4LA**	258	429	424	1126.5	193	288	—	—	—	—	—	—

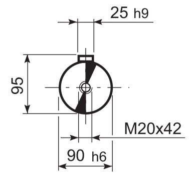


C 90...P(IEC)

P

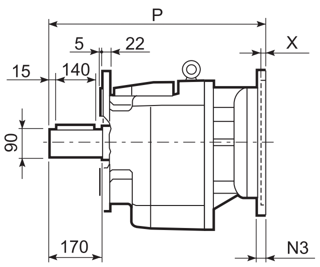


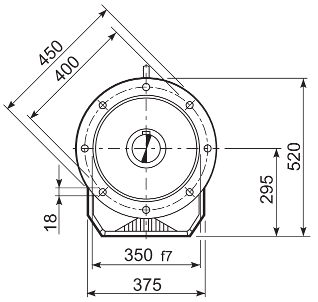


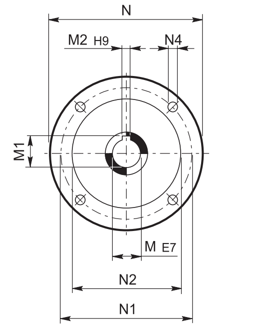


OUTPUT

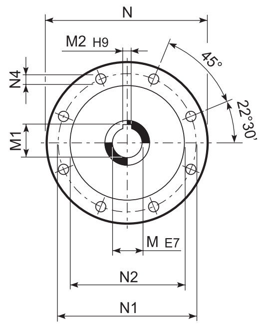
F





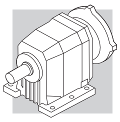


INPUT
P71...P200



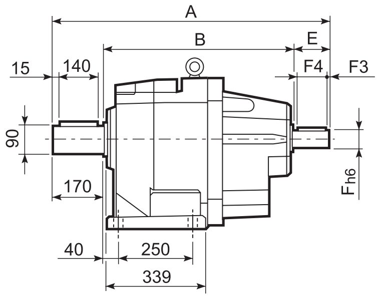
INPUT
P225...P250

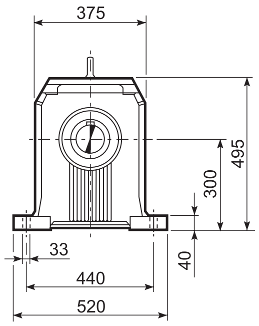
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 90 2/3	P80	19	21.8	6	200	165	130	—	M10x12	4	644.5	229
C 90 2/3	P90	24	27.3	8	200	165	130	—	M10x12	4	644.5	229
C 90 2/3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	654.5	234
C 90 2/3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	654.5	234
C 90 2/3	P132	38	41.3	10	300	265	230	16	14	5	691	236
C 90 2/3	P160	42	45.3	12	350	300	250	23	18	6	746.5	251
C 90 2/3	P180	48	51.8	14	350	300	250	23	18	6	746.5	251
C 90 2/3	P200	55	59.3	16	400	350	300	—	M16x25	7	771.5	272
C 90 2/3	P225	60	64.4	18	450	400	350	30	18	6	817	273
C 90 2/3	P250	65	69.4	18	550	500	450	30	18	6	847	295
C 90 4	P63	11	12.8	4	140	115	95	—	M8x19	4	707.5	236
C 90 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	707.5	236
C 90 4	P80	19	21.8	6	200	165	130	—	M10x12	4	727	238
C 90 4	P90	24	27.3	8	200	165	130	—	M10x12	4	727	238
C 90 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	737	242
C 90 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	737	242
C 90 4	P132	38	41.3	10	300	265	230	16	14	5	773.5	244
C 90 4	P160	42	45.3	12	350	300	250	23	18	5.5	824	248
C 90 4	P180	48	51.8	14	350	300	250	23	18	5.5	824	248

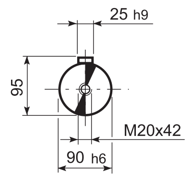


C 90...HS

P

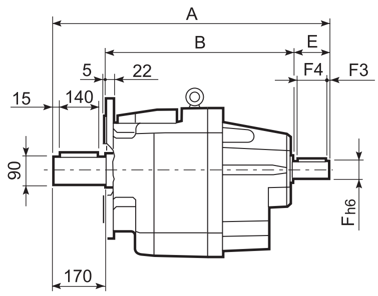


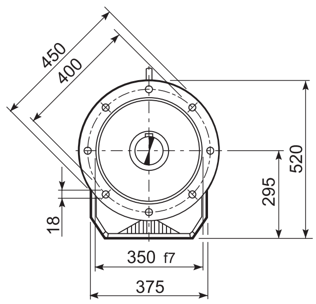


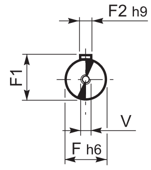


OUTPUT

F





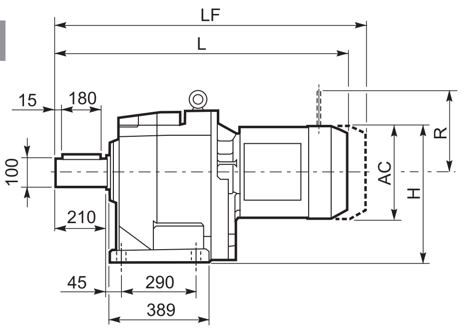


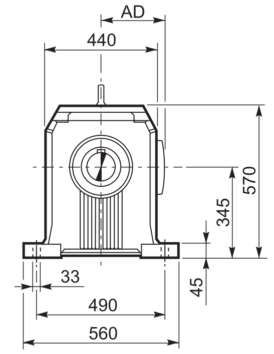
INPUT

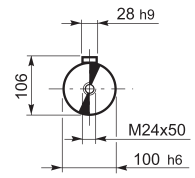
		A	B	E	F	F1	F2	F3	F4	V	Kg
C 90 2	**HS**	930.5	620.5	140	60	64	18	10	120	M16x36	273
C 90 3		930.5	620.5	140	60	64	18	10	120	M16x36	273
C 90 4		797	577	50	24	27	8	2.5	45	M8x19	240

C 100...M/ME/MX

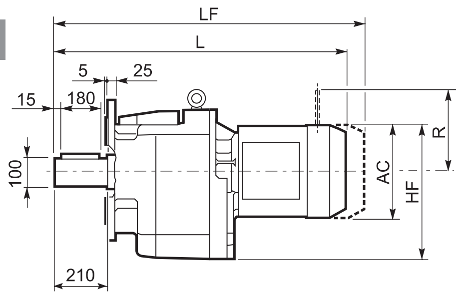
P

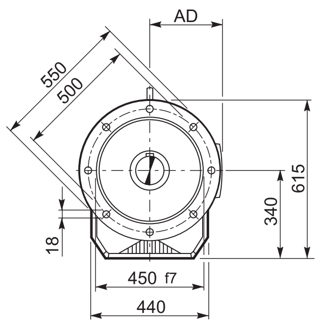




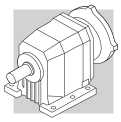


F



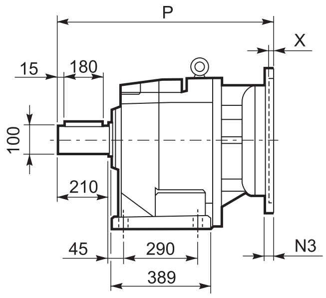


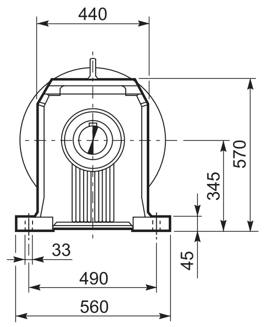
										M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
C 100 2/3	S4	ME4	MX4	258	474	469	1087	193	392	—	—	—	—	—	—
C 100 2/3	S4	ME4LB	MX4LA	258	474	469	1122	193	400	—	—	—	—	—	—
C 100 2/3	S5	ME5S	MX5S	310	500	495	1173.5	245	420	—	—	—	—	—	—
C 100 2/3	S5	ME5L	MX5L	310	500	495	1217.5	245	436	—	—	—	—	—	—
C 100 4	S1	M1		138	414	409	956.5	108	346	1027.5	348	103	135	124	108
C 100 4	S2	M2S		156	423	418	985.5	119	354	1056.5	357	129	146	134	119
C 100 4	S2	ME2S		156	423	418	985.5	119	354	—	—	—	—	—	—
C 100 4	S3	ME3S		195	442.5	437.5	1029.5	142	359.5	—	—	—	—	—	—
C 100 4	S3	ME3L		195	442.5	437.5	1061.5	142	366	—	—	—	—	—	—
C 100 4	S4	ME4	MX4	258	474	469	1169.5	193	400	—	—	—	—	—	—
C 100 4	S4	ME4LB	MX4LA	258	474	469	1204.5	245	408	—	—	—	—	—	—

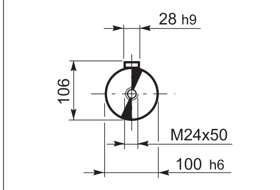


C 100...P(IEC)

P

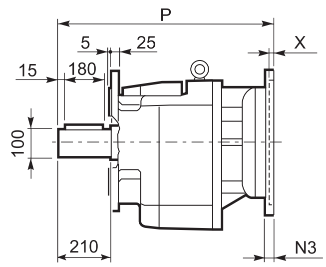


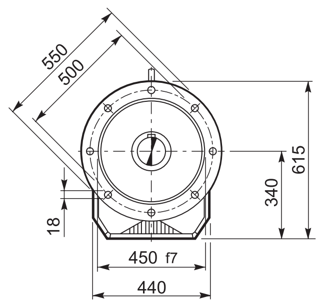


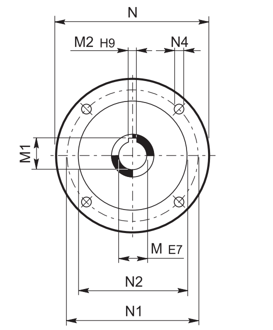


OUTPUT

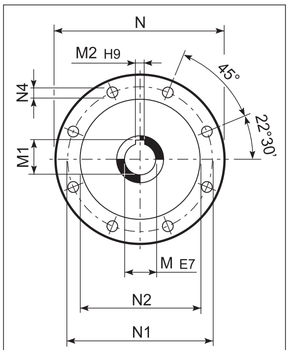
F





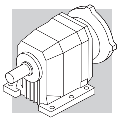


INPUT
P80...P200



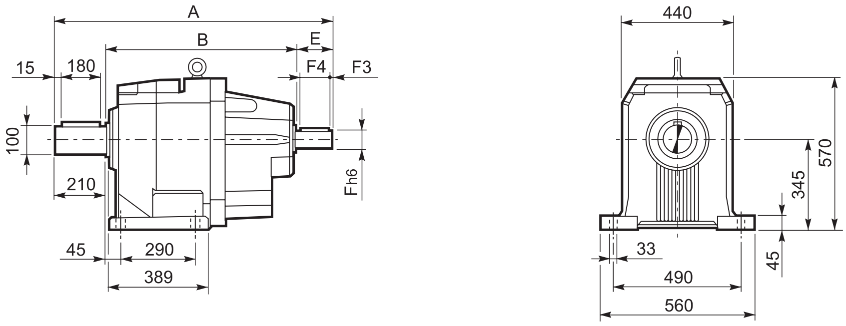
INPUT
P225...P280

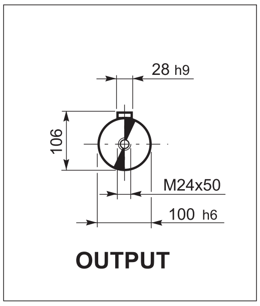
		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
C 100 2/3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	749.5	364
C 100 2/3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	749.5	364
C 100 2/3	P132	38	41.3	10	300	265	230	16	14	5	786	367
C 100 2/3	P160	42	45.3	12	350	300	250	23	18	6	841.5	382
C 100 2/3	P180	48	51.8	14	350	300	250	23	18	6	841.5	382
C 100 2/3	P200	55	59.3	16	400	350	300	—	M16x25	7	866.5	403
C 100 2/3	P225	60	64.4	18	450	400	350	30	18	7	912	403
C 100 2/3	P250	65	69.4	18	550	500	450	30	18	7	942	426
C 100 2/3	P280	75	79.9	20	550	500	450	30	18	6	942	426
C 100 4	P63	11	12.8	4	140	115	95	—	M8x19	4	803	369
C 100 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	803	369
C 100 4	P80	19	21.8	6	200	165	130	—	M10x12	4	822.5	371
C 100 4	P90	24	27.3	8	200	165	130	—	M10x12	4	822.5	371
C 100 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	832.5	375
C 100 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	832.5	375
C 100 4	P132	38	41.3	10	300	265	230	16	14	5	869	377
C 100 4	P160	42	45.3	12	350	300	250	23	18	5.5	919.5	381
C 100 4	P180	48	51.8	14	350	300	250	23	18	5.5	919.5	381



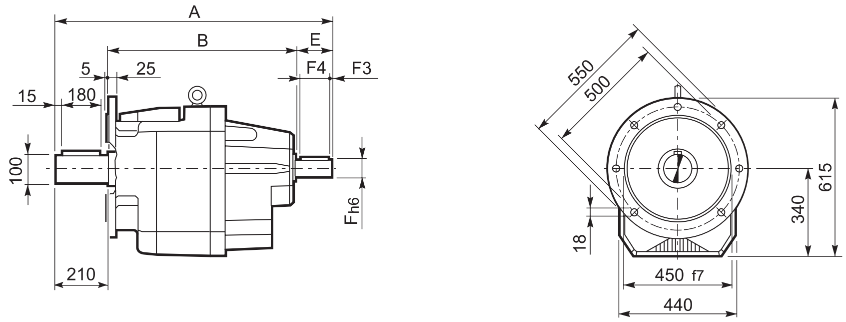
C 100...HS

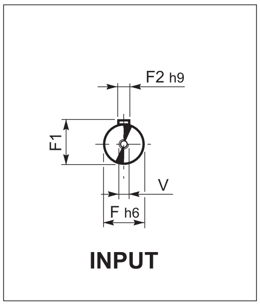
P



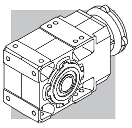


F





		A	B	E	F	F1	F2	F3	F4	V	Kg
C 100 2	**HS**	1025.5	676	140	60	64	18	10	120	M16x36	409
C 100 3		1025.5	676	140	60	64	18	10	120	M16x36	409
C 100 4		892	632	50	24	27	8	2.5	45	M8x19	372

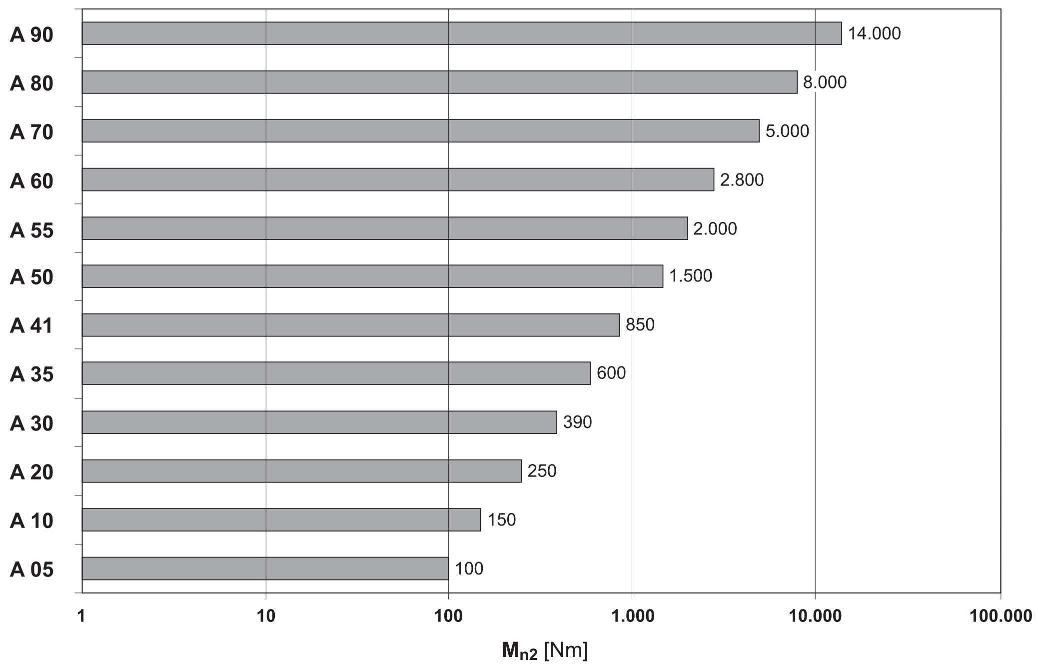


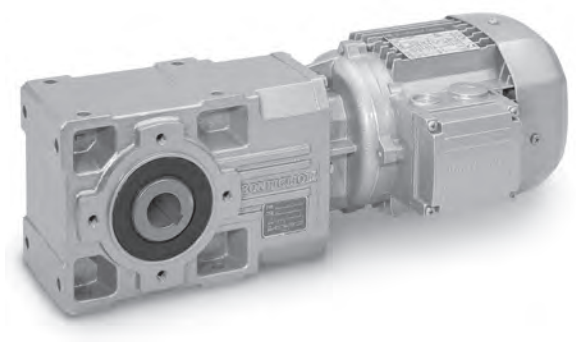
RIDUTTORI AD ASSI ORTOGONALI SERIE A

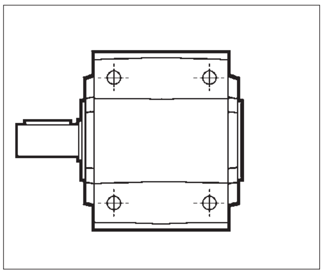
31 CARATTERISTICHE COSTRUTTIVE

Le caratteristiche costruttive salienti sono:
- modularità
- compattezza
- montaggi universali
- rendimenti elevati
- basso livello di rumorosità
- ingranaggi in acciaio legato cementati e temprati
- casse in alluminio non verniciate nelle grandezze 05, 10, 20, 30, casse in ghisa ad alta resistenza, verniciate, nelle altre grandezze
- alberi in entrata e uscita in acciaio ad alta resistenza.

(C 25)



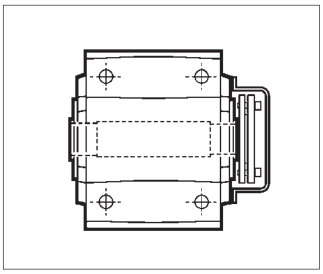




UR

Albero lento a singola sporgenza

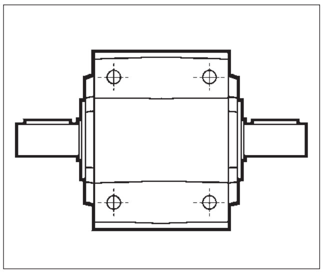
A 10 ... A 90



US

Albero lento cavo e calettatore

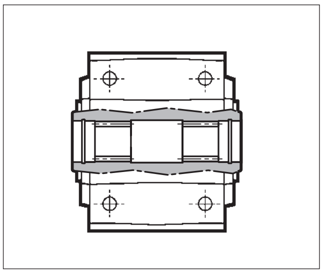
A 05 ... A 90



UD

Albero lento bisporgente

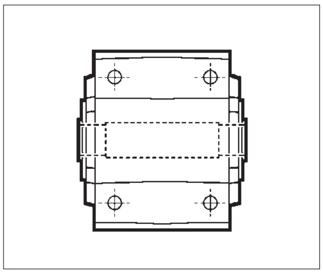
A 10 ... A 90



UV

Albero lento scanalato DIN 5480

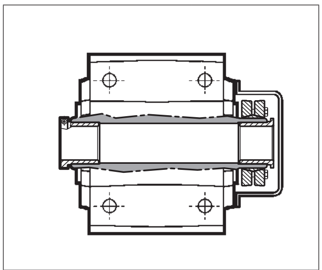
A 20 ... A 60



UH

Albero lento cavo con cava per linguetta

A 05 ... A 90



$M_{n2\ max}$ [Nm]	
A 35 QF35	550
A 55 QF55	1900

QF (Quick-fit)

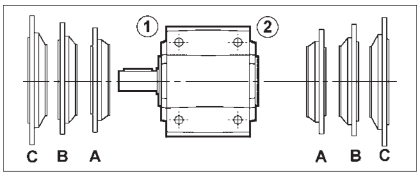
Albero con boccole di adattamento e giunto calettatore

A 10 ... A 60

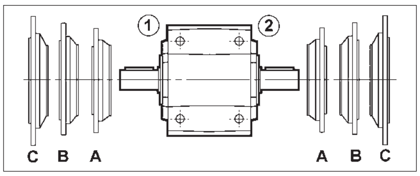
Forme costruttive con flangia riportata

Gli schemi riportati evidenziano le flange applicabili alle forme costruttive base e la loro collocazione (①,②).

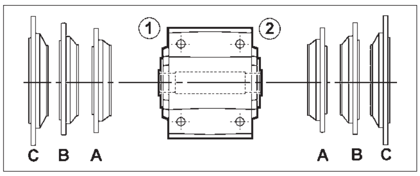
UR F1... UR F2...



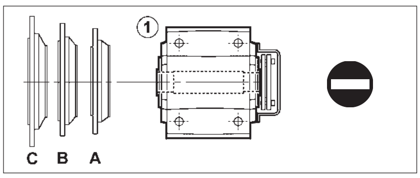
UD F1... UD F2...



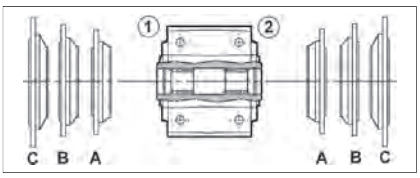
UH... F1... UH... F2...



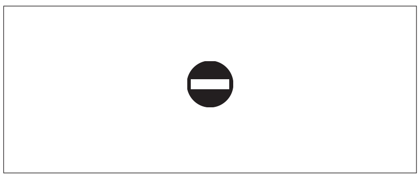
US F1... US F2...



UV F1... UV F2...



QF...



33 DESIGNAZIONE

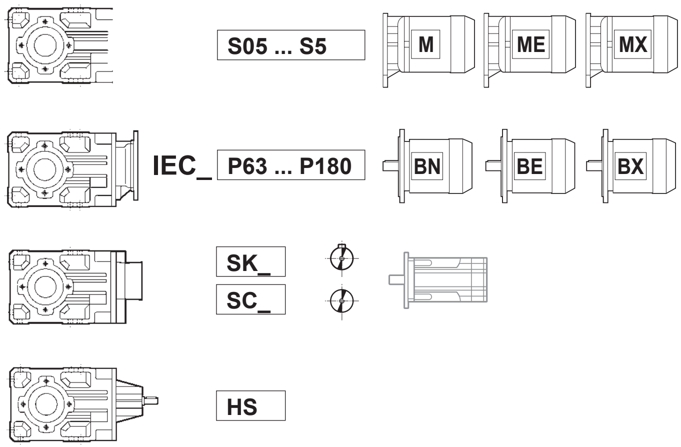
RIDUTTORE

A 35 2 UH40 F1A 49.1 S1 VA .....

OPZIONI

POSIZIONE DI MONTAGGIO
B3 (Standard), **B6**, **B7**, **B8**, **VA**, **VB**

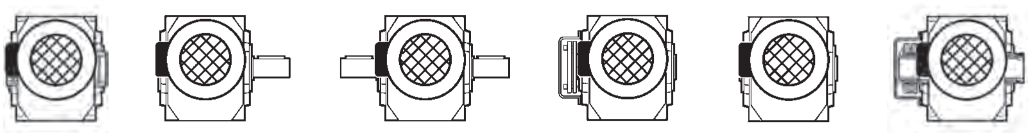
DESIGNAZIONE INGRESSO



RAPPORTO DI RIDUZIONE

GRANDEZZA E POSIZIONE FLANGIA DI USCITA
(specificare solo se richiesta)
F = Versione flangiata
1, **2** = Posizione flangia
A, **B**, **C** = Grandezza flangia

FORMA COSTRUTTIVA



UH_ **UR** (A 10...A 90) **UD** (A 10...A 90) **US** (A 05...A 90) **UV** (A 20...A 60) **QF** (A 10...A 60)

A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
UH25	**UH25**	**UH30**	**UH35**	**UH40**	**UH45**	**UH50**	**UH60**	**UH60**	**UH70**	**UH80**	**UH90**
—	UH30	UH35	UH40	UH35	UH40	UH55	UH50	UH70	UH80	UH90	UH100

STADI DI RIDUZIONE
2 (A 05...A 60), **3** (A 20...A 90), **4** (A 50...A 90)

GRANDEZZA RIDUTTORE
05, **10**, **20**, **30**, **35**, **41**, **50**, **55**, **60**, **70**, **80**, **90**

TIPO RIDUTTORE: **A** = riduttori ad assi ortogonali

MOTORE | FRENO

M 1LA 4 230/400-50 IP54 CLF ..... **W FD** 7.5 R SB 220 SA .....

OPZIONI

ALIMENTAZIONE FRENO

TIPO RADDRIZZATORE AC/DC
NB, **SB**, **NBR**, **SBR**

LEVA DI SBLOCCO FRENO
R, **RM**

COPPIA FRENANTE

TIPO FRENO
FD (freno c.c.)
FA (freno c.a.)

POSIZIONE MORSETTIERA
W (default), **N**, **E**, **S**

FORMA COSTRUTTIVA
— (motore integrato)
B5 (motore IEC)

CLASSE ISOLAMENTO
CL F standard
CL H option

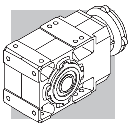
GRADO DI PROTEZIONE
IP55 standard (IP54 - motore autofrenante)

TENSIONE - FREQUENZA

NUMERO DI POLI
2, **4**, **6**, **2/4**, **2/6**, **2/8**, **2/12**, **4/6**, **4/8**

GRANDEZZA MOTORE
0B ... 5LA (motore integrato)
63A ... 280M (motore IEC)

TIPO MOTORE
MX = trifase integrato, classe IE3
BX = trifase IEC, classe IE3
ME = trifase integrato, classe IE2
BE = trifase IEC, classe IE2
M = trifase integrato
BN = trifase IEC



33.1 Opzioni riduttori

AL, AR

A richiesta si può fornire il riduttore munito di dispositivo antiretro che permette la rotazione dell’albero lento solo nel senso desiderato. La tabella seguente indica i riduttori nei quali è possibile applicare il dispositivo antiretro. Il dispositivo antiretro esclude l’opzione RB.

(C 26)

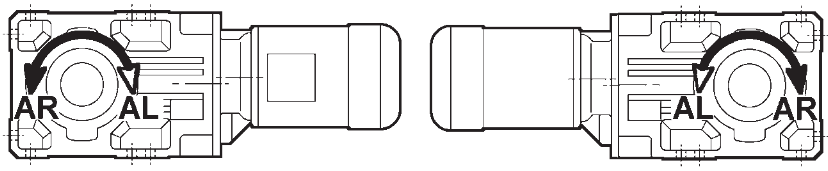
A 30 2*	**A 35 2*** ⊖ (5.4_11.8)	**A 41 2** ⊖ (5.2; 10.1)	**A 50 3**	**A 55 3**	**A 60 3**	**A 70 3**	**A 80 3**	**A 90 3**
			A 50 4	**A 55 4**	**A 60 4**	**A 70 4**	**A 80 4**	**A 90 4**

* La fornitura del dispositivo antiretro esclude la dotazione di flange per servomotore del tipo S_60A, S_ 60B, S_80A.

In fase d’ordine specificare il senso di rotazione libera mediante le opzioni AL o AR (tabella C27) nella designazione riduttore o in quella del motore.

N.B. Quando l’intervento del dispositivo antiretro è richiesto in maniera ripetitiva verificare che la coppia all’albero lento, risultante dall’applicazione del carico, non superi il 70% della coppia nominale M_{n2} per lo specifico riduttore.

(C 27)



SO

I riduttori tipo A05, A10, A20 e A30, A35 e A41 solitamente riempi in fabbrica di lubrificante, sono in questo caso forniti privi di olio.

LO

I riduttori A50, A55, A60, A70, A80, A90, solitamente sprovvisti di lubrificante, sono richiesti con olio sintetico del tipo correntemente utilizzato da BONFIGLIOLI RIDUTTORI e riempiti in accordo alla posizione di montaggio richiesta.

DV

2 Anelli di tenuta sull’albero veloce. (Disponibile solo sui motoriduttori compatti).

VV

Anello di tenuta in fluoro-elastomero sull’albero veloce.

PV

Tutti gli anelli di tenuta in fluoro-elastomero.

TKL

Per i riduttori delle grandezze da A70 a A90, da utilizzare in ambienti caratterizzati da presenza di polveri abrasive, sono disponibili all'asse lento tenute tipo Taconite, costituite da una combinazione di anelli di tenuta, labirinti e camera a grasso. La presenza del grasso deve essere garantita attraverso operazioni di manutenzione periodica.
L'opzione prevede anelli di tenuta in fluoro-elastomero su tutti gli assi.
Per la posizione di montaggio B6 consultare preventivamente il ns. Servizio Tecnico.

HDB

Per le applicazioni caratterizzate da presenza di carichi radiali particolarmente rilevanti, e per le quali la capacità radiale offerta dai riduttori in esecuzione standard non è sufficiente, alcuni riduttori possono essere richiesti con capacità radiale maggiorata specificando nell'ordinativo l'opzione HDB. L'opzione è disponibile per i riduttori delle grandezze da A10 ad A50 qualora dotati di albero lento cilindrico, sia a singola che a doppia sporgenza.
I carichi sopportabili dai gruppi in esecuzione rinforzata sono riportati nella tabella seguente. I valori sono riferiti all'applicazione di forze sulla mezzeria dell'albero lento.

(C 28)

HDB	R_{N2}					
	A 10	A 20	A 30	A 35	A 41	A 50
n_1 = 2800	**5500 N**	**6200 N**	**9600 N**	**12000 N**	**15000 N**	**20000 N**
⚠			8970 N @ i=5.4	10200 N @ i=5.4 10600 N @ i=6.4 11000 N @ i=7.0	11500 N @ i=5.2 12700 N @ i=7.1 13300 N @ i=8.3 13700 N @ i=9.2	19000 N @ i=7.7
n_1 = 1400	**5500 N**	**6200 N**	**9600 N**	**12000 N**	**15000 N**	**20000 N**
n_1 = 900	**5500 N**	**6200 N**	**9600 N**	**12000 N**	**15000 N**	**20000 N**
n_1 = 500	**5500 N**	**6200 N**	**9600 N**	**12000 N**	**15000 N**	**20000 N**

I cuscinetti di tipo rinforzato consentono anche l'applicazione di una percentuale maggiore di carico assiale, in particolare:

$$A_{N2} = 0.35 \times R_{n2} \qquad (24)$$

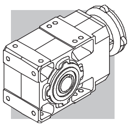
In assenza di componente radiale il carico assiale applicabile è:

$$A_{N2} = 0.70 \times R_{n2} \qquad (25)$$

Nel caso di forze applicate contemporaneamente su entrambe le sporgenze dell'albero lento è consigliato contattare il Servizio Tecnico di Bonfiglioli per la verifica del caso puntuale.

RB

I riduttori tipo A10, A20, A30, A35, A41, A50, A55 e A60 solitamente forniti con valori di gioco angolare standard, sono in questo caso forniti con valori di gioco angolare ridotti (esclude le opzioni riduttori AL e AR del presente paragrafo).
I valori corrispondenti del gioco angolare sono riportati nella tabella seguente.



(C 29)

		standard		RB	
A05	i =	5.5_12.3 - ⊖(10.6)	10.6_91.6 - ⊖(12.3)	—	
	φ [']	**28**	**18**		
A10	i =	5.5_12.3 - ⊖(10.6)	10.6_91.6 - ⊖(12.3)	5.5_12.3 - ⊖(10.6)	10.6_91.6 - ⊖(12.3)
	φ [']	**27**	**17**	**12**	**8**
A20	i =	5.4_12 - ⊖(10.3)	10.3_380.9 - ⊖(12)	5.4_12 - ⊖(10.3)	10.3_380.9 - ⊖(12)
	φ [']	**23**	**15**	**11**	**7**
A30	i =	5.4_11.8 - ⊖(10.5)	10.5_400.8 - ⊖(11.8)	5.4_11.8 - ⊖(10.5)	10.5_400.8 - ⊖(11.8)
	φ [']	**22**	**15**	**10**	**7**
A35	i =	5.4_11.8	13.1_393.2	5.4_11.8	13.1_393.2
	φ [']	**20**	**11**	**9**	**6**
A41	i =	5.2_11.7 - ⊖(10.1)	10.1_376.8 - ⊖(11.7)	5.2-11.7 - ⊖(10.1)	10.1_376.8 - ⊖(11.7)
	φ [']	**19**	**13**	**9**	**6**
A50	i =	7.7_778.2		7.7_778.2	
	φ [']	**16**		**7**	
A55	i =	4.9_19.2	23.8_793	4.9_19.2	23.8_793
	φ [']	**17**	**11**	**8**	**6**
A60	i =	7.9_20.6	25.7_755.4	7.9_20.6	25.7_755.4
	φ [']	**12**	**9**	**5**	**4**
A70	i =	9.4_21.3	23.5_1715	—	
	φ [']	**14**	**12**		
A80	i =	9.8_20.9	22.6_1558	—	
	φ [']	**13**	**11**		
A90	i =	9.7_21	22.3_1632	—	
	φ [']	**12**	**10**		

Per la tempistica di fornitura contattare la rete di vendita Bonfiglioli

PROTEZIONE SUPERFICIALE

I riduttori, che laddove non viene richiesta una classe di protezione specifica, nelle zone verniciate (ferrose) rispettano come requisito minimo la classe di protezione C2 (UNI EN ISO 12944-2), sono forniti con protezione superficiale **C3** e **C4** per una migliore resistenza alla corrosione atmosferica, ottenute mediante verniciatura del gruppo completo.

(C 30)

PROTEZIONE SUPERFICIALE	Ambienti tipici	Temperatura superficiale max.	Classe di corrosività secondo UNI EN ISO 12944-2
C3	Ambienti urbani ed industriali, con umidità relativa dell'aria max.100% (inquinamento ambientale medio)	120°C	C3
C4	Aree industriali, zone costiere, impianti chimici, con umidità relativa dell'aria max.100% (inquinamento ambientale alto)	120°C	C4

I riduttori previsti con le protezioni opzionali **C3** e **C4** sono disponibili in diverse tinte.
Se non specificata nessuna tinta (vedere opzione "VERNICIATURA") la fornitura viene eseguita con la tinta RAL7042.
A richiesta sono fornibili riduttori per classe di corrosività **C5** secondo UNI EN ISO 12944-2, contattando il ns. Servizio tecnico-Commerciale.

VERNICIATURA

I riduttori previsti con le protezioni opzionali C3 e C4 sono disponibili in diverse tinte, secondo la tabella seguente.

(C 31)

VERNICIATURA	Colore	Catalogazione RAL
RAL7042*	Grigio traffico A	7042
RAL5010	Blu genziana	5010
RAL9005	Nero intenso	9005
RAL9006	Alluminio brillante	9006
RAL9010	Bianco puro	9010

* Colore di fornitura standard se non specificato diversamente

NOTA - L'opzione "VERNICIATURA" è configurabile esclusivamente in abbinamento con l'opzione "PROTEZIONE SUPERFICIALE".

PROVE DOCUMENTALI

AC - Attestato di conformità
Documento il cui rilascio attesta la conformità del prodotto all'ordinativo e la costruzione dello stesso in conformità alle procedure standard di processo e di controllo previste dal sistema di Qualità Bonfiglioli Riduttori.

CC - Certificato di collaudo
La specifica comporta la conduzione di verifiche di conformità all'ordine, controlli visivi generali e verifiche strumentali delle dimensioni di accoppiamento. Sono inoltre condotti controlli generali di funzionamento a vuoto e verifiche della funzionalità delle guarnizioni di tenuta in modalità statica e in funzionamento. Il collaudo si applica ad un campione statistico del lotto di spedizione.

33.2 Accessori

Vedi paragrafo 45 di questo catalogo.

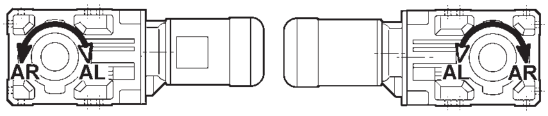
33.3 Opzioni motori

AA, AC, AD
Posizione angolare leva di sblocco freno rispetto alla posizione morsettiera visto lato ventola.
Posizione standard = 90° orari. AA = 0°, AC = 180°, AD = 90° antiorari.

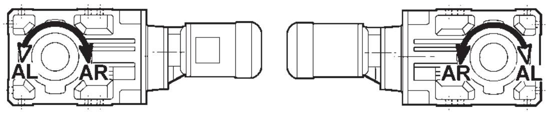
AL, AR

Per i motoriduttori equipaggiati con motore integrale serie M o ME, è disponibile l’opzione antiretro collocata sul motore stesso e descritta nella sezione motori elettrici di questo catalogo. La tabella seguente mostra il senso di rotazione libera del riduttore in base alla quale dovrà essere effettuata la scelta dell’opzione.

(C 32)



2x	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 60
3x	A 60	A 70	A 80	A 90				
4x	A 50	A 55						



2x	A 55					
3x	A 20	A 30	A 35	A 41	A 50	A 55
4x	A 60	A 70	A 80	A 90		

CF

Filtro capacitivo.

D3

No. 3 sonde bimetalliche negli avvolgimenti con temperatura 150°C.

E3

No. 3 termistori negli avvolgimenti con temperatura 150°C.

F1

Volano per avviamento progressivo.

H1

Riscaldatori anticondensa. Alimentazione standard 1~ 230V ±10%.

PN

Potenza a 60 Hz corrispondente alla potenza normalizzata a 50 Hz.

PS

Doppia estremità d’albero (esclude opzione RC e U1).

RC

Tettuccio parapioggia (esclude opzione PS).

RV

Bilanciamento rotore in grado di vibrazione B.

TC

La variante del tettuccio tipo TC è da specificare quando il motore è installato in ambienti dell’industria tessile. L’opzione esclude le varianti EN_ .

TP

Tropicalizzazione.

U1
Servoventilazione (esclude opzioni PS e CUS).

U2
Servoventilatore privo di scatola morsettiera, dotato di cavi precablati internamente. Esclude le opzioni PS e CUS. Disponibile per motori: BN 71, BE 80 ... BE 132, M1, ME2 ... ME4.

Per ulteriori informazioni sulle opzioni, consultare i relativi capitoli nella sezione motori elettrici.

34 LUBRIFICAZIONE

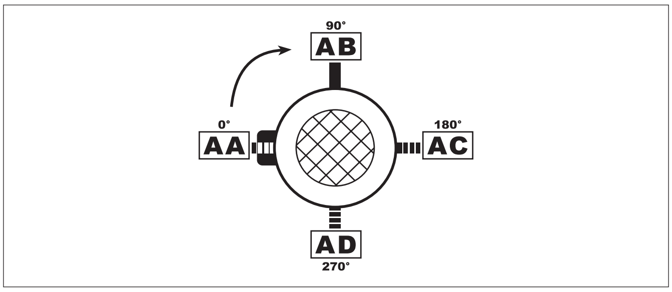
Gli organi interni dei riduttori Bonfiglioli sono lubrificati con un sistema misto di immersione e sbattimento dell'olio.
I gruppi A 05, A 10, A 20, A 30, A 35 e A 41 sono normalmente consegnati con carica di lubrificante dalla fabbrica, o dalla rete di vendita ufficiale.
I gruppi di grandezza A 50 e superiore sono normalmente forniti privi di lubrificante, e sarà cura dell'utilizzatore riempirli di olio prima della messa in servizio.
In entrambi i casi, a seconda delle versioni, prima della messa in esercizio del riduttore potrebbe essere necessario sostituire il tappo chiuso usato per il trasporto con il tappo di sfiato fornito a corredo.
Per le tavole di riferimento della collocazione dei tappi di servizio e delle quantità di lubrificante, riferirsi al Manuale Uso e Manutenzione (disponibilie su www.bonfiglioli.com).
Il lubrificante "long life" fornito di serie è di natura sintetica e, a meno di contaminazione dall'esterno, non richiede sostituzioni periodiche per tutto l'arco di vita del riduttore.
Il funzionamento dei riduttori è ammesso per temperature ambiente comprese fra -20°C e +40°C. Per temperature ambiente comprese fra -20°C e -10°C l'avviamento del riduttore potrà avvenire solo dopo aver effettuato un pre-riscaldamento progressivo ed omogeneo del gruppo, oppure con funzionamento "a vuoto", senza carico collegato.
Il carico potrà poi essere applicato all'albero del riduttore quando la temperatura dello stesso avrà raggiunto la temperatura di -10°C, o superiore.

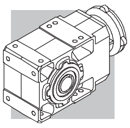
35 POSIZIONI DI MONTAGGIO E ORIENTAMENTO MORSETTIERA

Gli orientamenti delle morsettiere dei motori sono identificati osservando il motore dal lato ventola; l'orientamento standard è evidenziato in nero (W).

Posizione angolare leva di sblocco freno.
Nei motori autofrenanti, la leva di sblocco freno (se richiesta) ha l'orientamento standard a 90° rispetto alla morsettiera (posizione AB); specificare con relative opzioni qualora l'orientamento desiderato sia diverso.

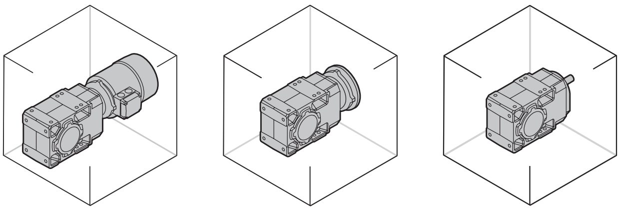
(C 33)



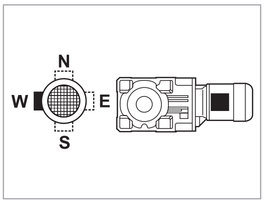


A ...

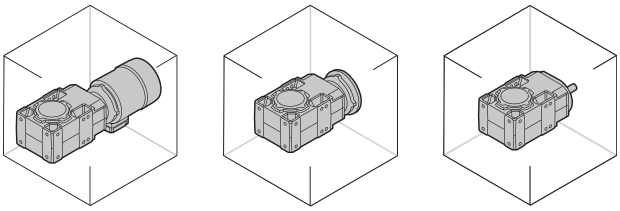
B3



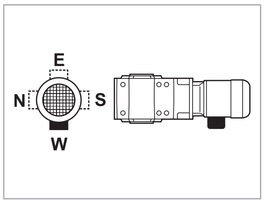
_S | _P(IEC) | _SK / _SC | _HS



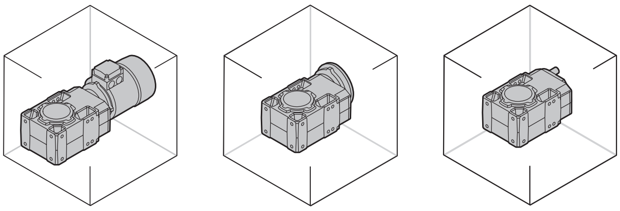
B6



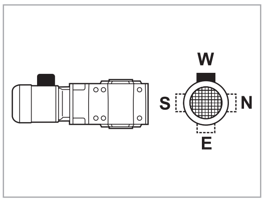
_S | _P(IEC) | _SK / _SC | _HS



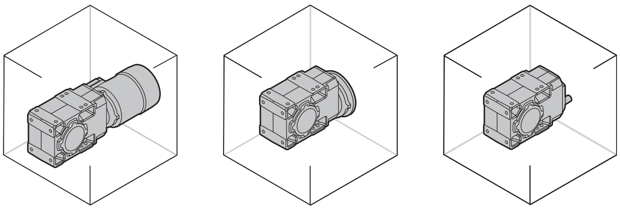
B7



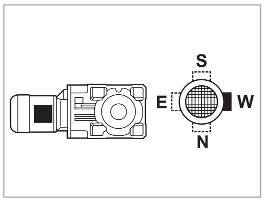
_S | _P(IEC) | _SK / _SC | _HS



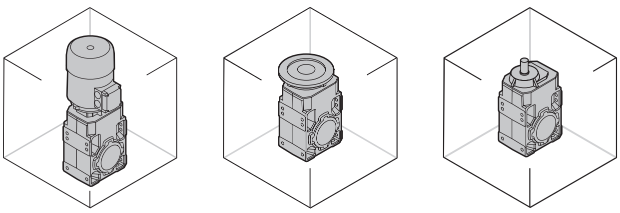
B8



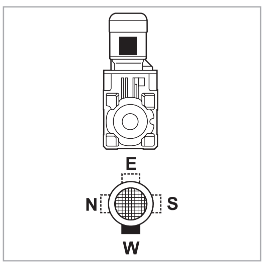
_S | _P(IEC) | _SK / _SC | _HS



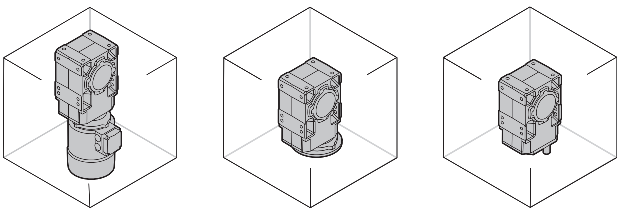
VA



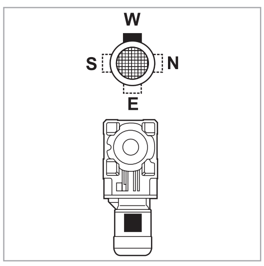
_S | _P(IEC) | _SK / _SC | _HS



VB



_S | _P(IEC) | _SK / _SC | _HS



W = Default

36 CARICHI RADIALI

Organi di trasmissione calettati sugli alberi di ingresso e/o di uscita del riduttore generano forze la cui risultante agisce in senso radiale sull'albero stesso.
L'entità di questi carichi deve essere compatibile con la capacità di sopportazione del sistema albero-cuscinetti del riduttore, in particolare il valore assoluto del carico applicato (R_{c1} per albero di ingresso, R_{c2} per albero di uscita) deve essere inferiore al valore nominale (R_{n1} per albero di ingresso, R_{n2} per albero di uscita) riportato nelle tabelle dati tecnici.
Nelle formule che seguono l'indice (1) si riferisce a grandezze relative all'albero veloce, l'indice (2) all'albero lento.
Il carico generato da una trasmissione esterna può essere calcolato, con buona approssimazione, tramite la formula seguente:

$$R_{c1}\left[N\right] = \frac{2000 \cdot M_1\left[Nm\right] \cdot K_r}{d\left[mm\right]} \quad ; \quad R_{c2}\left[N\right] = \frac{2000 \cdot M_2\left[Nm\right] \cdot K_r}{d\left[mm\right]} \tag{26}$$

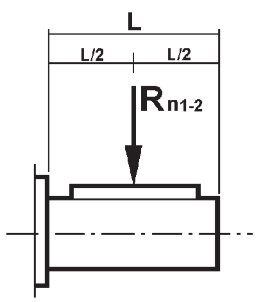
(C 34)

M_1 [Nm]	Coppia applicata all'albero veloce
M_2 [Nm]	Coppia erogata all'albero lento
d [mm]	Diametro primitivo dell'organo calettato sull'albero
K_r = 1	Trasmissione con catena

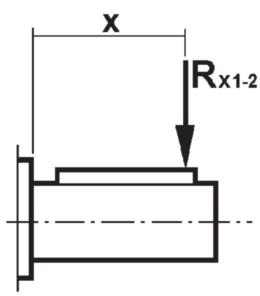
K_r = 1,25	Trasmissione con ingranaggio
K_r = 1,5	Trasmissione a cinghia trapezoidale
K_r = 2,0	Trasmissione a cinghia piatta

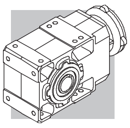
In base al punto di applicazione del carico sull'albero la verifica di compatibilità procederà in modi diversi e in particolare:

(C 35)



(C 36)





a) Applicazione in mezzeria, tab. (C35)

Il carico precedentemente calcolato si dovrà confrontare con il corrispondente valore nominale esposto a catalogo e dovrà verificarsi:

$R_{c1} \leq R_{n1}$ [albero veloce]

oppure

$R_{c2} \leq R_{n2}$ [albero lento]

b) Applicazione spostata dalla mezzeria, tab. (C36)

L'applicazione del carico ad una distanza "x" dalla battuta dell'albero comporta il ricalcolo del valore ammissibile a detta distanza.
Il nuovo valore è individuato con i simboli R_{x1} (ingresso) e R_{x2} (uscita) e si ricava dai valori di catalogo, rispettivamente R_{n1} e R_{n2}, tramite l'elaborazione del fattore:

$$\frac{a}{b+x} \qquad (27)$$

(C 37)

	Costanti del riduttore					
	Albero lento			Albero veloce		
	a	**b**	**c**	**a**	**b**	**c**
A 05 2	116	86	450	—	—	—
A 10 2	123	101	600	21	1	300
A 20 2	150	120	750	40	20	350
A 20 3	150	120	750	21	1	300
A 30 2	168	138	900	38.5	18.5	350
A 30 3	168	138	900	21	1	300
A 35 2	182.5	147.5	950	38.5	18.5	350
A 35 3	182.5	147.5	950	21	1	300
A 41 2	198	158	1050	49.5	24.5	450
A 41 3	198	158	1050	40	20	350
A 50 2 - A 50 3	242.5	201.5	1300	49.5	24.5	450
A 50 4	242.5	201.5	1300	38.5	18.5	350
A 55 2 - A 55 3	231.5	179	1300	49.5	24.5	450
A 55 4	231.5	179	1300	38.5	18.5	350
A 60 2 - A 60 3	242.5	190	1550	55.5	25.5	600
A 60 4	242.5	190	1550	49.5	24.5	450
A 70 3	295.5	230.5	1900	86	31	1000
A 70 4	295.5	230.5	1900	49.5	24.5	450
A 80 3	345	280	2400	86	31	1000
A 80 4	345	280	2400	49.5	24.5	450
A 90 3	432	327	3000	116	46	1400
A 90 4	432	327	3000	49.5	24.5	450

La procedura di verifica comporta passi successivi che sono qui descritti.

ALBERO VELOCE

1. Calcolo di:

$$R_{x1} = R_{n1} \cdot \frac{a}{b+x} \qquad (28)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \qquad (29)$$

Infine si dovrà verificare che:

$$R_{c1} \leq R_{x1} \qquad (30)$$

ALBERO LENTO

1. Calcolo di:

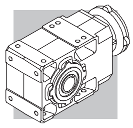
$$R_{x2} = R_{n2} \cdot \frac{a}{b+x} \qquad (31)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \qquad (32)$$

Infine si dovrà verificare che:

$$R_{c2} \leq R_{x2} \qquad (33)$$



37 CARICHI ASSIALI, A_{n1}, A_{n2}

I valori di carico assiale ammissibile sugli alberi veloce [A_{n1}] e lento [A_{n2}] si possono ricavare con riferimento al corrispondente valore di carico radiale [R_{n1}] e [R_{n2}] tramite le espressioni che seguono:

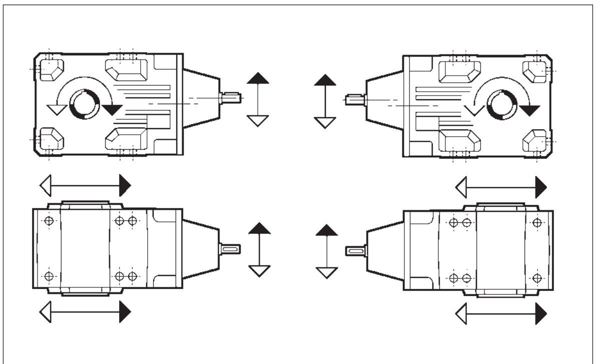
$$A_{n1} = R_{n1} \cdot 0.2$$
$$A_{n2} = R_{n2} \cdot 0.2 \qquad (34)$$

I valori di carico assiale ammissibile così calcolati si riferiscono al caso di forze assiali agenti contemporaneamente ai carichi radiali nominali.
Nel solo caso in cui il valore del carico radiale agente sull'albero del riduttore sia nullo, si può considerare il carico assiale ammissibile [A_n] pari al 50% del valore di carico radiale ammissibile [R_n] sullo stesso albero.
In presenza di carichi assiali eccedenti il valore ammissibile, o di forze assiali fortemente prevalenti sui carichi radiali, è consigliabile contattare il Servizio Tecnico di Bonfiglioli Riduttori per una verifica puntuale.

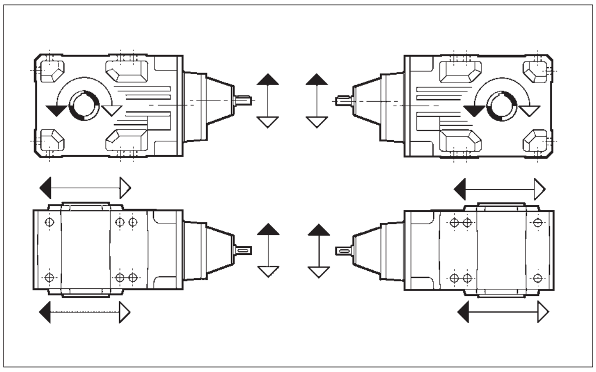
38 ROTAZIONE ALBERI

Negli schemi riportati nella tabella seguente sono indicati i sensi di rotazione standard dei riduttori ad assi ortogonali a 2, 3 e 4 stadi di riduzione.

(C 38)



2x	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 60
3x	A 60	A 70	A 80	A 90				
4x	A 50	A 55						

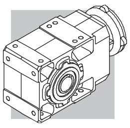


2x	A 55					
3x	A 20	A 30	A 35	A 41	A 50	A 55
4x	A 60	A 70	A 80	A 90		

La selezione dei motori senza freno tiene conto delle prescrizioni del Regolamento CE 640/2009 (si veda sezione **M** di questo catalogo). Per potenze nominali inferiori a 0.75kW, possono essere previsti i motori BN/M.
Il Regolamento CE 640/2009 non si applica ai motori autofrenanti, pertanto la selezione dei motori autofrenanti tiene conto dei motori BN/M, a prescindere dal valore della potenza nominale. I motori BX, BE, MX e ME autofrenanti sono disponibili a richiesta.

0.09 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.51	1492	3.4	1715	50000			**A704_1715 P63 BN63A6**	299
1.1	677	2.2	778.2	20000			**A504_778.2 P63 BN63A6**	287
1.2	616	2.4	707.9	20000			**A504_707.9 P63 BN63A6**	287
1.4	549	2.7	631.2	20000			**A504_631.2 P63 BN63A6**	287
1.5	499	3.0	574.2	20000			**A504_574.2 P63 BN63A6**	287
1.7	461	3.3	529.5	20000			**A504_529.5 P63 BN63A6**	287
2.2	356	1.0	400.8	9600	**A303_400.8 S05 M05A6**	274	**A303_400.8 P63 BN63A6**	275
2.6	302	1.7	339.3	12000	**A353_339.3 S05 M05A6**	278	**A353_339.3 P63 BN63A6**	279
3.0	259	3.3	291.7	15000	**A413_291.7 S05 M05A6**	282	**A413_291.7 P63 BN63A6**	283
3.5	221	2.7	248.1	12000	**A353_248.1 S05 M05A6**	278	**A353_248.1 P63 BN63A6**	279
4.1	193	2.1	216.6	9600	**A303_216.6 S05 M05A6**	274	**A303_216.6 P63 BN63A6**	275
4.9	159	1.6	178.3	6200	**A203_178.3 S05 M05A6**	270	**A203_178.3 P63 BN63A6**	271
5.8	134	2.8	150.7	9600	**A303_150.7 S05 M05A6**	274	**A303_150.7 P63 BN63A6**	275
6.8	115	2.2	129.1	6200	**A203_129.1 S05 M05A6**	270	**A203_129.1 P63 BN63A6**	271
8.1	97	2.5	109.2	6200	**A203_109.2 S05 M05A6**	270	**A203_109.2 P63 BN63A6**	271
9.6	84	1.5	91.6	5500	**A102_91.6 S05 M05A6**	266	**A102_91.6 P63 BN63A6**	267
11.5	70	2.1	76.4	5500	**A102_76.4 S05 M05A6**	266	**A102_76.4 P63 BN63A6**	267
13.3	61	2.5	65.9	5500	**A102_65.9 S05 M05A6**	266	**A102_65.9 P63 BN63A6**	267
15.0	54	2.8	58.6	5500	**A102_58.6 S05 M05A6**	266	**A102_58.6 P63 BN63A6**	267
17.2	47	3.2	51.3	5500	**A102_51.3 S05 M05A6**	266	**A102_51.3 P63 BN63A6**	267
19.4	42	2.4	45.4	4250	**A052_45.4 S05 M05A6**	263	**A052_45.4 P63 BN63A6**	263
21.5	38	2.7	40.9	4120	**A052_40.9 S05 M05A6**	263	**A052_40.9 P63 BN63A6**	263
25.1	32	3.1	35.1	3950	**A052_35.1 S05 M05A6**	263	**A052_35.1 P63 BN63A6**	263
27.3	30	3.4	32.2	3850	**A052_32.2 S05 M05A6**	263	**A052_32.2 P63 BN63A6**	263
31	26	3.8	28.6	3720	**A052_28.6 S05 M05A6**	263	**A052_28.6 P63 BN63A6**	263
35	23	4.4	25.5	3590	**A052_25.5 S05 M05A6**	263	**A052_25.5 P63 BN63A6**	263
37	22	4.6	23.8	3520	**A052_23.8 S05 M05A6**	263	**A052_23.8 P63 BN63A6**	263
41	19.6	5.3	21.4	3410	**A052_21.4 S05 M05A6**	263	**A052_21.4 P63 BN63A6**	263
47	17.1	5.9	18.6	3270	**A052_18.6 S05 M05A6**	263	**A052_18.6 P63 BN63A6**	263
53	15.1	6.8	16.4	3150	**A052_16.4 S05 M05A6**	263	**A052_16.4 P63 BN63A6**	263
63	12.8	7.8	13.9	2990	**A052_13.9 S05 M05A6**	263	**A052_13.9 P63 BN63A6**	263
72	11.3	8.8	12.3	2880	**A052_12.3 S05 M05A6**	263	**A052_12.3 P63 BN63A6**	263
83	9.7	10.3	10.6	2740	**A052_10.6 S05 M05A6**	263	**A052_10.6 P63 BN63A6**	263
92	8.8	11.3	9.6	2670	**A052_9.6 S05 M05A6**	263	**A052_9.6 P63 BN63A6**	263
103	7.8	13.2	8.5	2570	**A052_8.5 S05 M05A6**	263	**A052_8.5 P63 BN63A6**	263
122	6.6	15.1	7.2	2440	**A052_7.2 S05 M05A6**	263	**A052_7.2 P63 BN63A6**	263
139	5.8	17.8	6.3	2340	**A052_6.3 S05 M05A6**	263	**A052_6.3 P63 BN63A6**	263
161	5.0	19.9	5.5	2230	**A052_5.5 S05 M05A6**	263	**A052_5.5 P63 BN63A6**	263



0.12 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.51	2012	2.5	1715	50000			**A704_1715 P63 BN63B6**	299
0.55	1857	2.7	1583	50000			**A704_1583 P63 BN63B6**	299
0.65	1579	3.2	1346	50000			**A704_1346 P63 BN63B6**	299
0.70	1457	3.4	1242	50000			**A704_1242 P63 BN63B6**	299
1.1	913	1.6	778.2	20000			**A504_778.2 P63 BN63B6**	287
1.2	818	3.4	697.3	30000			**A604_697.3 P63 BN63B6**	295
1.4	740	2.0	631.2	20000			**A504_631.2 P63 BN63B6**	287
1.6	621	2.4	529.5	20000			**A504_529.5 P63 BN63B6**	287
1.7	588	2.5	778.2	20000			**A504_778.2 P63 BN63A4**	287
1.9	535	2.8	707.9	20000			**A504_707.9 P63 BN63A4**	287
2.1	477	3.1	631.2	20000			**A504_631.2 P63 BN63A4**	287
2.4	434	3.5	574.2	20000			**A504_574.2 P63 BN63A4**	287
3.4	310	1.2	400.8	9600	**A303_400.8 S05 M05A4**	274	**A303_400.8 P63 BN63A4**	275
3.4	304	1.5	393.2	12000	**A353_393.2 S05 M05A4**	278	**A353_393.2 P63 BN63A4**	279
3.6	291	2.9	376.8	15000	**A413_376.8 S05 M05A4**	282	**A413_376.8 P63 BN63A4**	283
3.8	275	1.3	356.3	9600	**A303_356.3 S05 M05A4**	274	**A303_356.3 P63 BN63A4**	275
4.0	262	2.0	339.3	12000	**A353_339.3 S05 M05A4**	278	**A353_339.3 P63 BN63A4**	279
4.1	255	1.0	329.4	6200	**A203_329.4 S05 M05A4**	270	**A203_329.4 P63 BN63A4**	271
4.2	251	3.4	324.2	15000	**A413_324.2 S05 M05A4**	282	**A413_324.2 P63 BN63A4**	283
4.3	243	1.6	314.5	9600	**A303_314.5 S05 M05A4**	274	**A303_314.5 P63 BN63A4**	275
4.4	236	2.5	305.4	12000	**A353_305.4 S05 M05A4**	278	**A353_305.4 P63 BN63A4**	279
4.6	226	1.1	292.8	6200	**A203_292.8 S05 M05A4**	270	**A203_292.8 P63 BN63A4**	271
5.0	210	1.8	271.5	9600	**A303_271.5 S05 M05A4**	274	**A303_271.5 P63 BN63A4**	275
5.0	209	2.9	270.7	12000	**A353_270.7 S05 M05A4**	278	**A353_270.7 P63 BN63A4**	279
5.2	201	1.2	260.5	6200	**A203_260.5 S05 M05A4**	270	**A203_260.5 P63 BN63A4**	271
5.4	192	3.1	248.1	12000	**A353_248.1 S05 M05A4**	278	**A353_248.1 P63 BN63A4**	279
5.5	189	2.0	244.3	9600	**A303_244.3 S05 M05A4**	274	**A303_244.3 P63 BN63A4**	275
6.0	172	3.5	223.2	12000	**A353_223.2 S05 M05A4**	278	**A353_223.2 P63 BN63A4**	279
6.1	171	1.5	221.3	6200	**A203_221.3 S05 M05A4**	270	**A203_221.3 P63 BN63A4**	271
6.2	167	2.2	216.6	9600	**A303_216.6 S05 M05A4**	274	**A303_216.6 P63 BN63A4**	275
6.8	154	1.6	199.2	6200	**A203_199.2 S05 M05A4**	270	**A203_199.2 P63 BN63A4**	271
6.8	153	2.3	198.5	9600	**A303_198.5 S05 M05A4**	274	**A303_198.5 P63 BN63A4**	275
7.6	138	2.5	178.5	9600	**A303_178.5 S05 M05A4**	274	**A303_178.5 P63 BN63A4**	275
7.6	138	1.8	178.3	6200	**A203_178.3 S05 M05A4**	270	**A203_178.3 P63 BN63A4**	271
8.3	126	1.9	163.4	6200	**A203_163.4 S05 M05A4**	270	**A203_163.4 P63 BN63A4**	271
8.4	125	2.7	161.4	9600	**A303_161.4 S05 M05A4**	274	**A303_161.4 P63 BN63A4**	275
9.0	116	2.8	150.7	9600	**A303_150.7 S05 M05A4**	274	**A303_150.7 P63 BN63A4**	275
9.2	113	2.0	146.1	6200	**A203_146.1 S05 M05A4**	270	**A203_146.1 P63 BN63A4**	271
9.8	106	3.0	137.4	9600	**A303_137.4 S05 M05A4**	274	**A303_137.4 P63 BN63A4**	275
10.5	100	2.2	129.1	6200	**A203_129.1 S05 M05A4**	270	**A203_129.1 P63 BN63A4**	271
11.2	93	2.3	120.5	6200	**A203_120.5 S05 M05A4**	270	**A203_120.5 P63 BN63A4**	271
11.2	93	3.2	120.5	9600	**A303_120.5 S05 M05A4**	274	**A303_120.5 P63 BN63A4**	275
12.4	84	2.4	109.2	6200	**A203_109.2 S05 M05A4**	270	**A203_109.2 P63 BN63A4**	271
14.6	74	2.7	92.3	6200	**A202_92.3 S05 M05A4**	270	**A202_92.3 P63 BN63A4**	271
14.7	73	1.4	91.6	4420	**A052_91.6 S05 M05A4**	263	**A052_91.6 P63 BN63A4**	263
14.7	73	1.8	91.6	5500	**A102_91.6 S05 M05A4**	266	**A102_91.6 P63 BN63A4**	267
16.9	64	3.3	79.9	6200	**A202_79.9 S05 M05A4**	270	**A202_79.9 P63 BN63A4**	271
17.7	61	1.6	76.4	4230	**A052_76.4 S05 M05A4**	263	**A052_76.4 P63 BN63A4**	263
17.7	61	2.5	76.4	5500	**A102_76.4 S05 M05A4**	266	**A102_76.4 P63 BN63A4**	267
20.5	53	1.9	65.9	4070	**A052_65.9 S05 M05A4**	263	**A052_65.9 P63 BN63A4**	263
20.5	53	2.8	65.9	5500	**A102_65.9 S05 M05A4**	266	**A102_65.9 P63 BN63A4**	267
23.0	47	2.1	58.6	3950	**A052_58.6 S05 M05A4**	263	**A052_58.6 P63 BN63A4**	263
23.0	47	3.2	58.6	5500	**A102_58.6 S05 M05A4**	266	**A102_58.6 P63 BN63A4**	267
26.3	41	2.4	51.3	3810	**A052_51.3 S05 M05A4**	263	**A052_51.3 P63 BN63A4**	263
29.7	36	2.8	45.4	3680	**A052_45.4 S05 M05A4**	263	**A052_45.4 P63 BN63A4**	263
33	33	3.1	40.9	3570	**A052_40.9 S05 M05A4**	263	**A052_40.9 P63 BN63A4**	263
38	28	3.6	35.1	3420	**A052_35.1 S05 M05A4**	263	**A052_35.1 P63 BN63A4**	263
42	26	3.9	32.2	3340	**A052_32.2 S05 M05A4**	263	**A052_32.2 P63 BN63A4**	263
47	23	4.4	28.6	3220	**A052_28.6 S05 M05A4**	263	**A052_28.6 P63 BN63A4**	263
53	20	4.9	25.5	3110	**A052_25.5 S05 M05A4**	263	**A052_25.5 P63 BN63A4**	263
57	19	5.3	23.8	3050	**A052_23.8 S05 M05A4**	263	**A052_23.8 P63 BN63A4**	263
62	17.3	5.8	13.9	2960	**A052_13.9 S05 M05B6**	263	**A052_13.9 P63 BN63B6**	263
63	17.1	5.9	21.4	2950	**A052_21.4 S05 M05A4**	263	**A052_21.4 P63 BN63A4**	263
73	14.8	6.7	18.6	2830	**A052_18.6 S05 M05A4**	263	**A052_18.6 P63 BN63A4**	263
82	13.1	7.6	16.4	2730	**A052_16.4 S05 M05A4**	263	**A052_16.4 P63 BN63A4**	263

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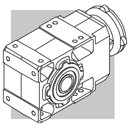
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
90	11.9	8.4	9.6	2640	**A052_9.6 S05 M05B6**	263	**A052_9.6 P63 BN63B6**	263
97	11.1	9.0	13.9	2590	**A052_13.9 S05 M05A4**	263	**A052_13.9 P63 BN63A4**	263
110	9.8	10.2	12.3	2500	**A052_12.3 S05 M05A4**	263	**A052_12.3 P63 BN63A4**	263
121	8.9	11.2	7.2	2420	**A052_7.2 S05 M05B6**	263	**A052_7.2 P63 BN63B6**	263
128	8.4	11.9	10.6	2380	**A052_10.6 S05 M05A4**	263	**A052_10.6 P63 BN63A4**	263
140	7.7	13.0	9.6	2310	**A052_9.6 S05 M05A4**	263	**A052_9.6 P63 BN63A4**	263
159	6.8	14.7	8.5	2220	**A052_8.5 S05 M05A4**	263	**A052_8.5 P63 BN63A4**	263
187	5.8	17.4	7.2	2110	**A052_7.2 S05 M05A4**	263	**A052_7.2 P63 BN63A4**	263
213	5.1	19.8	6.3	2020	**A052_6.3 S05 M05A4**	263	**A052_6.3 P63 BN63A4**	263
247	4.4	21.8	5.5	1930	**A052_5.5 S05 M05A4**	263	**A052_5.5 P63 BN63A4**	263

0.18 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.52	2917	1.7	1715	50000	**A704_1715 S1 M1SC6**	298	**A704_1715 P71 BN71A6**	299
0.58	2649	3.0	1558	65000	**A804_1558 S1 M1SC6**	301	**A804_1558 P71 BN71A6**	302
0.67	2279	3.5	1340	65000	**A804_1340 S1 M1SC6**	301	**A804_1340 P71 BN71A6**	302
0.77	1989	2.5	1715	50000			**A704_1715 P63 BN63B4**	299
0.83	1836	2.7	1583	50000			**A704_1583 P63 BN63B4**	299
0.98	1561	3.2	1346	50000			**A704_1346 P63 BN63B4**	299
1.1	1441	3.5	1242	50000			**A704_1242 P63 BN63B4**	299
1.3	1186	2.4	697.3	30000	**A604_697.3 S1 M1SC6**	294	**A604_697.3 P71 BN71A6**	295
1.5	996	2.8	585.8	30000	**A604_585.8 S1 M1SC6**	294	**A604_585.8 P71 BN71A6**	295
1.7	902	1.7	778.2	20000			**A504_778.2 P63 BN63B4**	287
1.7	876	3.2	755.4	30000			**A604_755.4 P63 BN63B4**	295
1.9	821	1.8	707.9	20000			**A504_707.9 P63 BN63B4**	287
1.9	809	3.5	697.3	30000			**A604_697.3 P63 BN63B4**	295
2.1	732	2.0	631.2	20000			**A504_631.2 P63 BN63B4**	287
2.3	666	2.3	574.2	20000			**A504_574.2 P63 BN63B4**	287
2.5	614	2.4	529.5	20000			**A504_529.5 P63 BN63B4**	287
2.7	559	2.7	481.6	20000			**A504_481.6 P63 BN63B4**	287
3.0	518	2.9	446.8	20000			**A504_446.8 P63 BN63B4**	287
3.2	471	3.2	406.4	20000			**A504_406.4 P63 BN63B4**	287
3.4	466	1.0	393.2	12000	**A353_393.2 S05 M05B4**	278	**A353_393.2 P63 BN63B4**	279
3.5	447	1.9	376.8	15000	**A413_376.8 S05 M05B4**	282	**A413_376.8 P63 BN63B4**	283
3.6	424	3.5	365.6	20000			**A504_365.6 P63 BN63B4**	287
3.7	422	0.9	356.3	9600	**A303_356.3 S05 M05B4**	274	**A303_356.3 P63 BN63B4**	275
3.9	402	1.3	339.3	12000	**A353_339.3 S05 M05B4**	278	**A353_339.3 P63 BN63B4**	279
4.1	384	2.2	324.2	15000	**A413_324.2 S05 M05B4**	282	**A413_324.2 P63 BN63B4**	283
4.2	373	1.0	314.5	9600	**A303_314.5 S05 M05B4**	274	**A303_314.5 P63 BN63B4**	275
4.3	362	1.7	305.4	12000	**A353_305.4 S05 M05B4**	278	**A353_305.4 P63 BN63B4**	279
4.5	346	2.5	291.7	15000	**A413_291.7 S05 M05B4**	282	**A413_291.7 P63 BN63B4**	283
4.9	322	1.2	271.5	9600	**A303_271.5 S05 M05B4**	274	**A303_271.5 P63 BN63B4**	275
4.9	321	1.9	270.7	12000	**A353_270.7 S05 M05B4**	278	**A353_270.7 P63 BN63B4**	279
5.0	311	2.7	262.5	15000	**A413_262.5 S05 M05B4**	282	**A413_262.5 P63 BN63B4**	283
5.3	294	2.0	248.1	12000	**A353_248.1 S05 M05B4**	278	**A353_248.1 P63 BN63B4**	279
5.4	290	1.3	244.3	9600	**A303_244.3 S05 M05B4**	274	**A303_244.3 P63 BN63B4**	275
5.5	285	3.0	240.6	15000	**A413_240.6 S05 M05B4**	282	**A413_240.6 P63 BN63B4**	283
5.9	265	2.3	223.2	12000	**A353_223.2 S05 M05B4**	278	**A353_223.2 P63 BN63B4**	279
6.0	262	1.0	221.3	6200	**A203_221.3 S05 M05B4**	270	**A203_221.3 P63 BN63B4**	271
6.1	258	3.3	217.4	15000	**A413_217.4 S05 M05B4**	282	**A413_217.4 P63 BN63B4**	283
6.1	257	1.4	216.6	9600	**A303_216.6 S05 M05B4**	274	**A303_216.6 P63 BN63B4**	275
6.5	239	2.5	201.8	12000	**A353_201.8 S05 M05B4**	278	**A353_201.8 P63 BN63B4**	279
6.6	236	1.1	199.2	6200	**A203_199.2 S05 M05B4**	270	**A203_199.2 P63 BN63B4**	271
6.6	235	1.5	198.5	9600	**A303_198.5 S05 M05B4**	274	**A303_198.5 P63 BN63B4**	275
7.0	223	2.7	188.3	12000	**A353_188.3 S05 M05B4**	278	**A353_188.3 P63 BN63B4**	279
7.4	212	1.6	178.5	9600	**A303_178.5 S05 M05B4**	274	**A303_178.5 P63 BN63B4**	275
7.4	211	1.2	178.3	6200	**A203_178.3 S05 M05B4**	270	**A203_178.3 P63 BN63B4**	271
7.7	204	2.9	171.8	12000	**A353_171.8 S05 M05B4**	278	**A353_171.8 P63 BN63B4**	279
8.1	194	1.2	163.4	6200	**A203_163.4 S05 M05B4**	270	**A203_163.4 P63 BN63B4**	271
8.2	191	1.8	161.4	9600	**A303_161.4 S05 M05B4**	274	**A303_161.4 P63 BN63B4**	275



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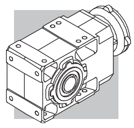
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
8.8	179	1.8	150.7	9600	A303_150.7 S05 M05B4	274	A303_150.7 P63 BN63B4	275
8.8	179	3.4	150.6	12000	A353_150.6 S05 M05B4	278	A353_150.6 P63 BN63B4	279
9.0	173	1.3	146.1	6200	A203_146.1 S05 M05B4	270	A203_146.1 P63 BN63B4	271
9.6	163	1.9	137.4	9600	A303_137.4 S05 M05B4	274	A303_137.4 P63 BN63B4	275
10.2	153	1.4	129.1	6200	A203_129.1 S05 M05B4	270	A203_129.1 P63 BN63B4	271
11.0	143	1.5	120.5	6200	A203_120.5 S05 M05B4	270	A203_120.5 P63 BN63B4	271
11.0	143	2.1	120.5	9600	A303_120.5 S05 M05B4	274	A303_120.5 P63 BN63B4	275
12.1	129	1.6	109.2	6200	A203_109.2 S05 M05B4	270	A203_109.2 P63 BN63B4	271
12.1	129	2.3	109.1	9600	A303_109.1 S05 M05B4	274	A303_109.1 P63 BN63B4	275
13.5	119	2.5	97.5	9600			A302_97.5 P63 BN63B4	275
14.3	113	1.8	92.3	6200	A202_92.3 S05 M05B4	270	A202_92.3 P63 BN63B4	271
14.4	112	0.9	91.6	4120	A052_91.6 S05 M05B4	263	A052_91.6 P63 BN63B4	263
14.4	112	1.2	91.6	5500	A102_91.6 S05 M05B4	266	A102_91.6 P63 BN63B4	267
15.2	106	3.0	86.7	9600			A302_86.7 P63 BN63B4	275
16.5	98	2.1	79.9	6200	A202_79.9 S05 M05B4	270	A202_79.9 P63 BN63B4	271
17.3	94	1.1	76.4	3980	A052_76.4 S05 M05B4	263	A052_76.4 P63 BN63B4	263
17.3	94	1.6	76.4	5500	A102_76.4 S05 M05B4	266	A102_76.4 P63 BN63B4	267
18.6	87	2.4	71.0	6200	A202_71.0 S05 M05B4	270	A202_71.0 P63 BN63B4	271
20.0	81	1.2	65.9	3860	A052_65.9 S05 M05B4	263	A052_65.9 P63 BN63B4	263
20.0	81	1.9	65.9	5500	A102_65.9 S05 M05B4	266	A102_65.9 P63 BN63B4	267
20.9	77	3.2	63.1	6200	A202_63.1 S05 M05B4	270	A202_63.1 P63 BN63B4	271
22.5	72	1.4	58.6	3760	A052_58.6 S05 M05B4	263	A052_58.6 P63 BN63B4	263
22.5	72	2.1	58.6	5500	A102_58.6 S05 M05B4	266	A102_58.6 P63 BN63B4	267
25.8	63	1.6	51.3	3640	A052_51.3 S05 M05B4	263	A052_51.3 P63 BN63B4	263
25.8	63	2.4	51.3	5500	A102_51.3 S05 M05B4	266	A102_51.3 P63 BN63B4	267
29.1	56	1.8	45.4	3540	A052_45.4 S05 M05B4	263	A052_45.4 P63 BN63B4	263
29.1	56	2.7	45.4	5500	A102_45.4 S05 M05B4	266	A102_45.4 P63 BN63B4	267
32	50	2.0	40.9	3440	A052_40.9 S05 M05B4	263	A052_40.9 P63 BN63B4	263
32	50	3.0	40.9	5500	A102_40.9 S05 M05B4	266	A102_40.9 P63 BN63B4	267
38	43	2.3	35.1	3310	A052_35.1 S05 M05B4	263	A052_35.1 P63 BN63B4	263
38	43	3.5	35.1	5380	A102_35.1 S05 M05B4	266	A102_35.1 P63 BN63B4	267
41	39	2.5	32.2	3240	A052_32.2 S05 M05B4	263	A052_32.2 P63 BN63B4	263
46	35	2.9	28.6	3130	A052_28.6 S05 M05B4	263	A052_28.6 P63 BN63B4	263
52	31	3.2	25.5	3040	A052_25.5 S05 M05B4	263	A052_25.5 P63 BN63B4	263
56	29	3.4	23.8	2980	A052_23.8 S05 M05B4	263	A052_23.8 P63 BN63B4	263
62	26	3.8	21.4	2890	A052_21.4 S05 M05B4	263	A052_21.4 P63 BN63B4	263
71	23	4.4	18.6	2780	A052_18.6 S05 M05B4	263	A052_18.6 P63 BN63B4	263
80	20	5.0	16.4	2680	A052_16.4 S05 M05B4	263	A052_16.4 P63 BN63B4	263
95	17.1	5.9	13.9	2550	A052_13.9 S05 M05B4	263	A052_13.9 P63 BN63B4	263
107	15.1	6.6	12.3	2460	A052_12.3 S05 M05B4	263	A052_12.3 P63 BN63B4	263
125	12.9	7.7	10.6	2350	A052_10.6 S05 M05B4	263	A052_10.6 P63 BN63B4	263
137	11.8	8.5	9.6	2280	A052_9.6 S05 M05B4	263	A052_9.6 P63 BN63B4	263
142	11.4	8.8	6.3	2300	A052_6.3 S1 M1SC6	263	A052_6.3 P71 BN71A6	263
155	10.4	9.6	8.5	2200	A052_8.5 S05 M05B4	263	A052_8.5 P63 BN63B4	263
183	8.8	11.3	7.2	2090	A052_7.2 S05 M05B4	263	A052_7.2 P63 BN63B4	263
208	7.8	12.9	6.3	2010	A052_6.3 S05 M05B4	263	A052_6.3 P63 BN63B4	263
242	6.7	14.2	5.5	1920	A052_5.5 S05 M05B4	263	A052_5.5 P63 BN63B4	263
284	5.7	16.7	9.6	1830	A052_9.6 S05 M05A2	263	A052_9.6 P63 BN63A2	263
321	5.0	17.8	8.5	1770	A052_8.5 S05 M05A2	263	A052_8.5 P63 BN63A2	263
379	4.3	19.9	7.2	1670	A052_7.2 S05 M05A2	263	A052_7.2 P63 BN63A2	263
431	3.8	21.3	6.3	1610	A052_6.3 S05 M05A2	263	A052_6.3 P63 BN63A2	263
499	3.2	23.2	5.5	1530	A052_5.5 S05 M05A2	263	A052_5.5 P63 BN63A2	263

0.25 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
0.52	4051	1.2	1715	50000	A704_1715 S1 M1SD6	298	A704_1715 P71 BN71B6	299
0.58	3680	2.2	1558	65000	A804_1558 S1 M1SD6	301	A804_1558 P71 BN71B6	302
0.67	3165	2.5	1340	65000	A804_1340 S1 M1SD6	301	A804_1340 P71 BN71B6	302
0.80	2642	1.9	1715	50000			A704_1715 P71 BN71A4	299



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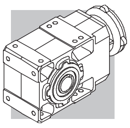
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.87	2439	2.1	1583	50000			**A704_1583 P71 BN71A4**	299
0.89	2400	3.3	1558	65000			**A804_1558 P71 BN71A4**	302
1.0	2073	2.4	1346	50000			**A704_1346 P71 BN71A4**	299
1.1	1914	2.6	1242	50000			**A704_1242 P71 BN71A4**	299
1.2	1789	2.8	1161	50000			**A704_1161 P71 BN71A4**	299
1.3	1652	3.0	1072	50000			**A704_1072 P71 BN71A4**	299
1.5	1427	3.5	926.5	50000			**A704_926.5 P71 BN71A4**	299
1.8	1199	1.3	778.2	20000			**A504_778.2 P71 BN71A4**	287
1.8	1164	2.4	755.4	30000			**A604_755.4 P71 BN71A4**	295
1.9	1091	1.4	707.9	20000			**A504_707.9 P71 BN71A4**	287
2.0	1074	2.6	697.3	30000			**A604_697.3 P71 BN71A4**	295
2.2	978	2.9	634.6	30000			**A604_634.6 P71 BN71A4**	295
2.2	972	1.5	631.2	20000			**A504_631.2 P71 BN71A4**	287
2.4	902	3.1	585.8	30000			**A604_585.8 P71 BN71A4**	295
2.4	885	1.7	574.2	20000			**A504_574.2 P71 BN71A4**	287
2.5	835	3.4	542.0	30000			**A604_542.0 P71 BN71A4**	295
2.6	816	1.8	529.5	20000			**A504_529.5 P71 BN71A4**	287
2.9	742	2.0	481.6	20000			**A504_481.6 P71 BN71A4**	287
3.1	688	2.2	446.8	20000			**A504_446.8 P71 BN71A4**	287
3.4	626	2.4	406.4	20000			**A504_406.4 P71 BN71A4**	287
3.6	611	1.4	376.8	15000	**A413_376.8 S05 M05C4**	282	**A413_376.8 P71 BN71A4**	283
3.8	563	2.7	365.6	20000			**A504_365.6 P71 BN71A4**	287
3.9	550	0.9	339.3	12000	**A353_339.3 S05 M05C4**	278	**A353_339.3 P71 BN71A4**	279
4.1	526	1.6	324.2	15000	**A413_324.2 S05 M05C4**	282	**A413_324.2 P71 BN71A4**	283
4.1	512	2.9	332.6	20000			**A504_332.6 P71 BN71A4**	287
4.4	495	1.2	305.4	12000	**A353_305.4 S05 M05C4**	278	**A353_305.4 P71 BN71A4**	279
4.7	460	1.8	291.7	15000	**A413_291.7 S05 M05C4**	282	**A413_291.7 P71 BN71A4**	283
4.8	442	3.4	286.8	20000			**A504_286.8 P71 BN71A4**	287
4.9	440	0.9	271.5	9600	**A303_271.5 S05 M05C4**	274	**A303_271.5 P71 BN71A4**	275
5.0	439	1.4	270.7	12000	**A353_270.7 S05 M05C4**	278	**A353_270.7 P71 BN71A4**	279
5.1	426	2.0	262.5	15000	**A413_262.5 S05 M05C4**	282	**A413_262.5 P71 BN71A4**	283
5.4	403	1.5	248.1	12000	**A353_248.1 S05 M05C4**	278	**A353_248.1 P71 BN71A4**	279
5.6	385	1.0	244.3	9600	**A303_244.3 S05 M05C4**	274	**A303_244.3 P71 BN71A4**	275
5.7	379	2.2	240.6	15000	**A413_240.6 S05 M05C4**	282	**A413_240.6 P71 BN71A4**	283
6.0	362	1.7	223.2	12000	**A353_223.2 S05 M05C4**	278	**A353_223.2 P71 BN71A4**	279
6.2	353	2.4	217.4	15000	**A413_217.4 S05 M05C4**	282	**A413_217.4 P71 BN71A4**	283
6.2	351	1.0	216.6	9600	**A303_216.6 S05 M05C4**	274	**A303_216.6 P71 BN71A4**	275
6.6	327	1.8	201.8	12000	**A353_201.8 S05 M05C4**	278	**A353_201.8 P71 BN71A4**	279
7.0	313	1.1	198.5	9600	**A303_198.5 S05 M05C4**	274	**A303_198.5 P71 BN71A4**	275
7.0	311	2.7	197.5	15000	**A413_197.5 S05 M05C4**	282	**A413_197.5 P71 BN71A4**	283
7.1	306	2.0	188.3	12000	**A353_188.3 S05 M05C4**	278	**A353_188.3 P71 BN71A4**	279
7.3	299	2.8	184.4	15000	**A413_184.4 S05 M05C4**	282	**A413_184.4 P71 BN71A4**	283
7.5	290	1.2	178.5	9600	**A303_178.5 S05 M05C4**	274	**A303_178.5 P71 BN71A4**	275
7.8	279	2.2	171.8	12000	**A353_171.8 S05 M05C4**	278	**A353_171.8 P71 BN71A4**	279
8.4	257	0.9	163.4	6200	**A203_163.4 S05 M05C4**	270	**A203_163.4 P71 BN71A4**	271
8.5	254	1.3	161.4	9600	**A303_161.4 S05 M05C4**	274	**A303_161.4 P71 BN71A4**	275
8.9	244	1.4	150.7	9600	**A303_150.7 S05 M05C4**	274	**A303_150.7 P71 BN71A4**	275
8.9	244	2.5	150.6	12000	**A353_150.6 S05 M05C4**	278	**A353_150.6 P71 BN71A4**	279
9.2	237	1.0	146.1	6200	**A203_146.1 S05 M05C4**	270	**A203_146.1 P71 BN71A4**	271
9.8	221	2.6	136.3	12000	**A353_136.3 S05 M05C4**	278	**A353_136.3 P71 BN71A4**	279
10.0	216	1.5	137.4	9600	**A303_137.4 S05 M05C4**	274	**A303_137.4 P71 BN71A4**	275
10.7	203	1.1	129.1	6200	**A203_129.1 S05 M05C4**	270	**A203_129.1 P71 BN71A4**	271
11.1	196	1.1	120.5	6200	**A203_120.5 S05 M05C4**	270	**A203_120.5 P71 BN71A4**	271
11.1	195	1.5	120.5	9600	**A303_120.5 S05 M05C4**	274	**A303_120.5 P71 BN71A4**	275
11.5	190	3.0	116.9	12000	**A353_116.9 S05 M05C4**	278	**A353_116.9 P71 BN71A4**	279
12.6	172	1.2	109.2	6200	**A203_109.2 S05 M05C4**	270	**A203_109.2 P71 BN71A4**	271
12.7	172	1.7	109.1	9600	**A303_109.1 S05 M05C4**	274	**A303_109.1 P71 BN71A4**	275
12.7	171	3.1	105.5	12000	**A353_105.5 S05 M05C4**	278	**A353_105.5 P71 BN71A4**	279
14.2	159	1.9	97.5	9600			**A302_97.5 P71 BN71A4**	275
14.4	156	3.5	95.6	12000			**A352_95.6 P71 BN71A4**	279
14.5	155	1.3	92.3	6200	**A202_92.3 S05 M05C4**	270	**A202_92.3 P71 BN71A4**	271
15.9	141	2.3	86.7	9600			**A302_86.7 P71 BN71A4**	275
16.8	134	1.6	79.9	6200	**A202_79.9 S05 M05C4**	270	**A202_79.9 P71 BN71A4**	271
17.5	128	1.2	76.4	5500	**A102_76.4 S05 M05C4**	266	**A102_76.4 P71 BN71A4**	267
18.0	125	2.8	76.5	9600			**A302_76.5 P71 BN71A4**	275



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
19.4	116	1.8	71.0	6200	**A202_71.0 S05 M05C4**	270	**A202_71.0 P71 BN71A4**	271
20.3	110	0.9	65.9	3610	**A052_65.9 S05 M05C4**	263	**A052_65.9 P71 BN71A4**	263
20.3	110	1.4	65.9	5500	**A102_65.9 S05 M05C4**	266	**A102_65.9 P71 BN71A4**	267
21.2	106	2.3	63.1	6200	**A202_63.1 S05 M05C4**	270	**A202_63.1 P71 BN71A4**	271
22.9	98	1.0	58.6	3540	**A052_58.6 S05 M05C4**	263	**A052_58.6 P71 BN71A4**	263
23.5	95	1.6	58.6	5500	**A102_58.6 S05 M05C4**	266	**A102_58.6 P71 BN71A4**	267
25.0	90	2.8	53.7	6200	**A202_53.7 S05 M05C4**	270	**A202_53.7 P71 BN71A4**	271
26.1	86	1.2	51.3	3450	**A052_51.3 S05 M05C4**	263	**A052_51.3 P71 BN71A4**	263
26.1	86	1.7	51.3	5500	**A102_51.3 S05 M05C4**	266	**A102_51.3 P71 BN71A4**	267
28.6	79	3.2	48.3	6180	**A202_48.3 S05 M05C4**	270	**A202_48.3 P71 BN71A4**	271
29.5	76	1.3	45.4	3370	**A052_45.4 S05 M05C4**	263	**A052_45.4 P71 BN71A4**	263
29.5	76	2.0	45.4	5500	**A102_45.4 S05 M05C4**	266	**A102_45.4 P71 BN71A4**	267
33	68	1.5	40.9	3290	**A052_40.9 S05 M05C4**	263	**A052_40.9 P71 BN71A4**	263
34	66	2.3	40.9	5500	**A102_40.9 S05 M05C4**	266	**A102_40.9 P71 BN71A4**	267
38	59	1.7	35.1	3180	**A052_35.1 S05 M05C4**	263	**A052_35.1 P71 BN71A4**	263
38	59	2.5	35.1	5260	**A102_35.1 S05 M05C4**	266	**A102_35.1 P71 BN71A4**	267
42	54	1.9	32.2	3120	**A052_32.2 S05 M05C4**	263	**A052_32.2 P71 BN71A4**	263
43	52	2.9	32.2	5500	**A102_32.2 S05 M05C4**	266	**A102_32.2 P71 BN71A4**	267
47	48	2.1	28.6	3030	**A052_28.6 S05 M05C4**	263	**A052_28.6 P71 BN71A4**	263
47	48	3.1	28.6	4970	**A102_28.6 S05 M05C4**	266	**A102_28.6 P71 BN71A4**	267
53	43	2.3	25.5	2940	**A052_25.5 S05 M05C4**	263	**A052_25.5 P71 BN71A4**	263
56	40	2.5	23.8	2890	**A052_23.8 S05 M05C4**	263	**A052_23.8 P71 BN71A4**	263
63	36	2.8	21.4	2810	**A052_21.4 S05 M05C4**	263	**A052_21.4 P71 BN71A4**	263
72	31	3.2	18.6	2710	**A052_18.6 S05 M05C4**	263	**A052_18.6 P71 BN71A4**	263
84	27	3.7	16.4	2620	**A052_16.4 S05 M05C4**	263	**A052_16.4 P71 BN71A4**	263
99	23	4.4	13.9	2500	**A052_13.9 S05 M05C4**	263	**A052_13.9 P71 BN71A4**	263
112	20	5.0	12.3	2420	**A052_12.3 S05 M05C4**	263	**A052_12.3 P71 BN71A4**	263
131	17.2	5.8	10.6	2310	**A052_10.6 S05 M05C4**	263	**A052_10.6 P71 BN71A4**	263
144	15.7	6.4	9.6	2260	**A052_9.6 S05 M05C4**	263	**A052_9.6 P71 BN71A4**	263
162	13.9	7.2	8.5	2180	**A052_8.5 S05 M05C4**	263	**A052_8.5 P71 BN71A4**	263
191	11.7	8.5	7.2	2070	**A052_7.2 S05 M05C4**	263	**A052_7.2 P71 BN71A4**	263
218	10.3	9.7	6.3	1990	**A052_6.3 S05 M05C4**	263	**A052_6.3 P71 BN71A4**	263
252	8.9	10.7	5.5	1900	**A052_5.5 S05 M05C4**	263	**A052_5.5 P71 BN71A4**	263
285	7.9	12.1	9.6	1820	**A052_9.6 S05 M05B2**	263	**A052_9.6 P63 BN63B2**	263
322	7.0	12.9	8.5	1750	**A052_8.5 S05 M05B2**	263	**A052_8.5 P63 BN63B2**	263
380	5.9	14.4	7.2	1660	**A052_7.2 S05 M05B2**	263	**A052_7.2 P63 BN63B2**	263
433	5.2	15.4	6.3	1590	**A052_6.3 S05 M05B2**	263	**A052_6.3 P63 BN63B2**	263
501	4.5	16.7	5.5	1520	**A052_5.5 S05 M05B2**	263	**A052_5.5 P63 BN63B2**	263

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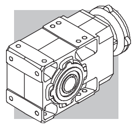
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.56	5644	2.5	1632	75000	**A904_1632 S1 M1LA6**	304	**A904_1632 P80 BN80A6**	305
0.63	4972	1.6	1438	65000	**A804_1438 S1 M1LA6**	301	**A804_1438 P80 BN80A6**	302
0.74	4226	3.3	1222	75000	**A904_1222 S1 M1LA6**	304	**A904_1222 P80 BN80A6**	305
0.80	3939	1.3	1715	50000	**A704_1715 S1 M1SD4**	298	**A704_1715 P71 BN71B4**	299
0.87	3636	1.4	1583	50000	**A704_1583 S1 M1SD4**	298	**A704_1583 P71 BN71B4**	299
0.88	3577	2.2	1558	65000	**A804_1558 S1 M1SD4**	301	**A804_1558 P71 BN71B4**	302
0.95	3302	2.4	1438	65000	**A804_1438 S1 M1SD4**	301	**A804_1438 P71 BN71B4**	302
1.0	3091	1.6	1346	50000	**A704_1346 S1 M1SD4**	298	**A704_1346 P71 BN71B4**	299
1.0	3077	2.6	1340	65000	**A804_1340 S1 M1SD4**	301	**A804_1340 P71 BN71B4**	302
1.1	2853	1.8	1242	50000	**A704_1242 S1 M1SD4**	298	**A704_1242 P71 BN71B4**	299
1.1	2841	2.8	1237	65000	**A804_1237 S1 M1SD4**	301	**A804_1237 P71 BN71B4**	302
1.2	2668	1.9	1161	50000	**A704_1161 S1 M1SD4**	298	**A704_1161 P71 BN71B4**	299
1.3	2492	3.2	1085	65000	**A804_1085 S1 M1SD4**	301	**A804_1085 P71 BN71B4**	302
1.3	2462	2.0	1072	50000	**A704_1072 S1 M1SD4**	298	**A704_1072 P71 BN71B4**	299
1.4	2300	3.5	1001	65000	**A804_1001 S1 M1SD4**	301	**A804_1001 P71 BN71B4**	302
1.5	2128	2.3	926.5	50000	**A704_926.5 S1 M1SD4**	298	**A704_926.5 P71 BN71B4**	299
1.6	1964	2.5	855.3	50000	**A704_855.3 S1 M1SD4**	298	**A704_855.3 P71 BN71B4**	299



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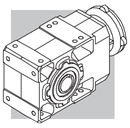
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
1.8	1754	2.8	763.9	50000	**A704_763.9 S1 M1SD4**	298	**A704_763.9 P71 BN71B4**	299
1.8	1735	1.6	755.4	30000	**A604_755.4 S1 M1SD4**	294	**A604_755.4 P71 BN71B4**	295
1.9	1626	0.9	707.9	20000	**A504_707.9 S1 M1SD4**	286	**A504_707.9 P71 BN71B4**	287
1.9	1619	3.1	705.1	50000	**A704_705.1 S1 M1SD4**	298	**A704_705.1 P71 BN71B4**	299
2.0	1601	1.7	697.3	30000	**A604_697.3 S1 M1SD4**	294	**A604_697.3 P71 BN71B4**	295
2.1	1481	3.4	644.6	50000	**A704_644.6 S1 M1SD4**	298	**A704_644.6 P71 BN71B4**	299
2.2	1457	1.9	634.6	30000	**A604_634.6 S1 M1SD4**	294	**A604_634.6 P71 BN71B4**	295
2.2	1450	1.0	631.2	20000	**A504_631.2 S1 M1SD4**	286	**A504_631.2 P71 BN71B4**	287
2.3	1345	2.1	585.8	30000	**A604_585.8 S1 M1SD4**	294	**A604_585.8 P71 BN71B4**	295
2.4	1319	1.1	574.2	20000	**A504_574.2 S1 M1SD4**	286	**A504_574.2 P71 BN71B4**	287
2.5	1245	2.2	542.0	30000	**A604_542.0 S1 M1SD4**	294	**A604_542.0 P71 BN71B4**	295
2.6	1216	1.2	529.5	20000	**A504_529.5 S1 M1SD4**	286	**A504_529.5 P71 BN71B4**	287
2.7	1149	2.4	500.3	30000	**A604_500.3 S1 M1SD4**	294	**A604_500.3 P71 BN71B4**	295
2.8	1106	1.4	481.6	20000	**A504_481.6 S1 M1SD4**	286	**A504_481.6 P71 BN71B4**	287
3.1	1026	1.5	446.8	20000	**A504_446.8 S1 M1SD4**	286	**A504_446.8 P71 BN71B4**	287
3.1	1007	2.8	438.4	30000	**A604_438.4 S1 M1SD4**	294	**A604_438.4 P71 BN71B4**	295
3.4	933	1.6	406.4	20000	**A504_406.4 S1 M1SD4**	286	**A504_406.4 P71 BN71B4**	287
3.4	929	3.0	404.7	30000	**A604_404.7 S1 M1SD4**	294	**A604_404.7 P71 BN71B4**	295
3.6	885	1.0	376.8	15000	**A413_376.8 S1 M1SD4**	282	**A413_376.8 P71 BN71B4**	283
3.7	840	1.8	365.6	20000	**A504_365.6 S1 M1SD4**	286	**A504_365.6 P71 BN71B4**	287
3.9	807	3.5	351.2	30000	**A604_351.2 S1 M1SD4**	294	**A604_351.2 P71 BN71B4**	295
4.1	764	2.0	332.6	20000	**A504_332.6 S1 M1SD4**	286	**A504_332.6 P71 BN71B4**	287
4.2	761	1.1	324.2	15000	**A413_324.2 S1 M1SD4**	282	**A413_324.2 P71 BN71B4**	283
4.7	685	1.2	291.7	15000	**A413_291.7 S1 M1SD4**	282	**A413_291.7 P71 BN71B4**	283
4.8	659	2.3	286.8	20000	**A504_286.8 S1 M1SD4**	286	**A504_286.8 P71 BN71B4**	287
5.1	636	0.9	270.7	12000	**A353_270.7 S1 M1SD4**	278	**A353_270.7 P71 BN71B4**	279
5.2	616	1.4	262.5	15000	**A413_262.5 S1 M1SD4**	282	**A413_262.5 P71 BN71B4**	283
5.3	599	2.5	260.9	20000	**A504_260.9 S1 M1SD4**	286	**A504_260.9 P71 BN71B4**	287
5.5	583	1.0	248.1	12000	**A353_248.1 S1 M1SD4**	278	**A353_248.1 P71 BN71B4**	279
5.7	565	1.5	240.6	15000	**A413_240.6 S1 M1SD4**	282	**A413_240.6 P71 BN71B4**	283
5.9	533	2.8	232.0	20000	**A504_232.0 S1 M1SD4**	286	**A504_232.0 P71 BN71B4**	287
6.1	524	1.1	223.2	12000	**A353_223.2 S1 M1SD4**	278	**A353_223.2 P71 BN71B4**	279
6.3	511	1.7	217.4	15000	**A413_217.4 S1 M1SD4**	282	**A413_217.4 P71 BN71B4**	283
6.5	485	3.1	211.0	20000	**A504_211.0 S1 M1SD4**	286	**A504_211.0 P71 BN71B4**	287
6.8	474	1.3	201.8	12000	**A353_201.8 S1 M1SD4**	278	**A353_201.8 P71 BN71B4**	279
6.9	464	1.8	197.5	15000	**A413_197.5 S1 M1SD4**	282	**A413_197.5 P71 BN71B4**	283
7.2	448	3.4	190.6	20000	**A503_190.6 S1 M1SD4**	286	**A503_190.6 P71 BN71B4**	287
7.3	442	1.4	188.3	12000	**A353_188.3 S1 M1SD4**	278	**A353_188.3 P71 BN71B4**	279
7.4	433	2.0	184.4	15000	**A413_184.4 S1 M1SD4**	282	**A413_184.4 P71 BN71B4**	283
8.0	403	1.5	171.8	12000	**A353_171.8 S1 M1SD4**	278	**A353_171.8 P71 BN71B4**	279
9.1	354	0.9	150.7	9600	**A303_150.7 S1 M1SD4**	274	**A303_150.7 P71 BN71B4**	275
9.1	354	1.7	150.6	12000	**A353_150.6 S1 M1SD4**	278	**A353_150.6 P71 BN71B4**	279
9.3	345	2.5	146.9	15000	**A413_146.9 S1 M1SD4**	282	**A413_146.9 P71 BN71B4**	283
10.0	323	1.0	137.4	9600	**A303_137.4 S1 M1SD4**	274	**A303_137.4 P71 BN71B4**	275
10.0	320	1.8	136.3	12000	**A353_136.3 S1 M1SD4**	278	**A353_136.3 P71 BN71B4**	279
11.4	283	1.1	120.5	9600	**A303_120.5 S1 M1SD4**	274	**A303_120.5 P71 BN71B4**	275
11.7	275	2.0	116.9	12000	**A353_116.9 S1 M1SD4**	278	**A353_116.9 P71 BN71B4**	279
11.8	272	3.1	115.9	15000	**A413_115.9 S1 M1SD4**	282	**A413_115.9 P71 BN71B4**	283
12.6	256	1.2	109.1	9600	**A303_109.1 S1 M1SD4**	274	**A303_109.1 P71 BN71B4**	275
13.0	248	2.1	105.5	12000	**A353_105.5 S1 M1SD4**	278	**A353_105.5 P71 BN71B4**	279
14.1	237	1.3	97.5	9600			**A302_97.5 P71 BN71B4**	275
14.3	232	2.3	95.6	12000	**A352_95.6 S1 M1SD4**	278	**A352_95.6 P71 BN71B4**	279
15.8	210	1.5	86.7	9600			**A302_86.7 P71 BN71B4**	275
16.6	200	3.0	82.5	12000	**A352_82.5 S1 M1SD4**	278	**A352_82.5 P71 BN71B4**	279
17.2	194	1.1	79.9	6200			**A202_79.9 P71 BN71B4**	271
17.9	186	1.9	76.5	9600	**A302_76.5 S1 M1SD4**	274	**A302_76.5 P71 BN71B4**	275
18.4	180	3.3	74.3	12000	**A352_74.3 S1 M1SD4**	278	**A352_74.3 P71 BN71B4**	279
19.3	172	1.2	71.0	6200			**A202_71.0 P71 BN71B4**	271
20.7	160	2.4	66.0	9350	**A302_66.0 S1 M1SD4**	274	**A302_66.0 P71 BN71B4**	275
20.8	160	0.9	65.9	5500			**A102_65.9 P71 BN71B4**	267
21.7	153	1.6	63.1	6200	**A202_63.1 S1 M1SD4**	270	**A202_63.1 P71 BN71B4**	271
23.1	144	2.8	59.4	9080	**A302_59.4 S1 M1SD4**	274	**A302_59.4 P71 BN71B4**	275
23.4	142	1.1	58.6	5500			**A102_58.6 P71 BN71B4**	267
25.5	130	1.9	53.7	6090	**A202_53.7 S1 M1SD4**	270	**A202_53.7 P71 BN71B4**	271
26.0	128	3.2	52.7	8790	**A302_52.7 S1 M1SD4**	274	**A302_52.7 P71 BN71B4**	275



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n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
26.7	124	1.2	51.3	5490	**A102_51.3 S1 M1SD4**	266	**A102_51.3 P71 BN71B4**	267
28.4	117	2.1	48.3	5940	**A202_48.3 S1 M1SD4**	270	**A202_48.3 P71 BN71B4**	271
28.4	117	3.5	48.3	8580	**A302_48.3 S1 M1SD4**	274	**A302_48.3 P71 BN71B4**	275
30	110	0.9	45.4	3060	**A052_45.4 S1 M1SD4**	263	**A052_45.4 P71 BN71B4**	263
30	110	1.4	45.4	5350	**A102_45.4 S1 M1SD4**	266	**A102_45.4 P71 BN71B4**	267
32	105	2.4	43.2	5780	**A202_43.2 S1 M1SD4**	270	**A202_43.2 P71 BN71B4**	271
34	99	1.0	40.9	3020	**A052_40.9 S1 M1SD4**	263	**A052_40.9 P71 BN71B4**	263
34	99	1.5	40.9	5500	**A102_40.9 S1 M1SD4**	266	**A102_40.9 P71 BN71B4**	267
35	96	2.6	39.6	5650	**A202_39.6 S1 M1SD4**	270	**A202_39.6 P71 BN71B4**	271
39	86	2.9	35.4	5480	**A202_35.4 S1 M1SD4**	270	**A202_35.4 P71 BN71B4**	271
39	85	1.2	35.1	2950	**A052_35.1 S1 M1SD4**	263	**A052_35.1 P71 BN71B4**	263
39	85	1.8	35.1	5040	**A102_35.1 S1 M1SD4**	266	**A102_35.1 P71 BN71B4**	267
43	78	1.3	32.2	2900	**A052_32.2 S1 M1SD4**	263	**A052_32.2 P71 BN71B4**	263
43	78	1.9	32.2	5500	**A102_32.2 S1 M1SD4**	266	**A102_32.2 P71 BN71B4**	267
44	76	3.3	31.3	5310	**A202_31.3 S1 M1SD4**	270	**A202_31.3 P71 BN71B4**	271
47	71	3.5	29.2	5210	**A202_29.2 S1 M1SD4**	270	**A202_29.2 P71 BN71B4**	271
48	69	1.4	28.6	2840	**A052_28.6 S1 M1SD4**	263	**A052_28.6 P71 BN71B4**	263
48	69	2.2	28.6	4790	**A102_28.6 S1 M1SD4**	266	**A102_28.6 P71 BN71B4**	267
54	62	1.6	25.5	2770	**A052_25.5 S1 M1SD4**	263	**A052_25.5 P71 BN71B4**	263
54	62	2.4	25.5	5500	**A102_25.5 S1 M1SD4**	266	**A102_25.5 P71 BN71B4**	267
58	58	1.7	23.8	2730	**A052_23.8 S1 M1SD4**	263	**A052_23.8 P71 BN71B4**	263
58	58	2.6	23.8	4570	**A102_23.8 S1 M1SD4**	266	**A102_23.8 P71 BN71B4**	267
64	52	1.9	21.4	2670	**A052_21.4 S1 M1SD4**	263	**A052_21.4 P71 BN71B4**	263
64	52	2.9	21.4	5270	**A102_21.4 S1 M1SD4**	266	**A102_21.4 P71 BN71B4**	267
74	45	2.2	18.6	2590	**A052_18.6 S1 M1SD4**	263	**A052_18.6 P71 BN71B4**	263
74	45	3.3	18.6	4270	**A102_18.6 S1 M1SD4**	266	**A102_18.6 P71 BN71B4**	267
83	40	2.5	16.4	2510	**A052_16.4 S1 M1SD4**	263	**A052_16.4 P71 BN71B4**	263
98	34	3.0	13.9	2410	**A052_13.9 S1 M1SD4**	263	**A052_13.9 P71 BN71B4**	263
111	30	3.3	12.3	2350	**A052_12.3 S1 M1SD4**	263	**A052_12.3 P71 BN71B4**	263
130	26	3.9	10.6	2240	**A052_10.6 S1 M1SD4**	263	**A052_10.6 P71 BN71B4**	263
142	23	4.3	9.6	2190	**A052_9.6 S1 M1SD4**	263	**A052_9.6 P71 BN71B4**	263
161	21	4.8	8.5	2120	**A052_8.5 S1 M1SD4**	263	**A052_8.5 P71 BN71B4**	263
190	17.5	5.7	7.2	2030	**A052_7.2 S1 M1SD4**	263	**A052_7.2 P71 BN71B4**	263
216	15.4	6.5	6.3	1950	**A052_6.3 S1 M1SD4**	263	**A052_6.3 P71 BN71B4**	263
228	14.6	6.8	12.3	1920	**A052_12.3 S05 M05C2**	263	**A052_12.3 P71 BN71A2**	263
251	13.3	7.2	5.5	1870	**A052_5.5 S1 M1SD4**	263	**A052_5.5 P71 BN71B4**	263
265	12.5	6.4	10.6	1830	**A052_10.6 S05 M05C2**	263	**A052_10.6 P71 BN71A2**	263
291	11.4	8.3	9.6	1790	**A052_9.6 S05 M05C2**	263	**A052_9.6 P71 BN71A2**	263
331	10.0	9.0	8.5	1720	**A052_8.5 S05 M05C2**	263	**A052_8.5 P71 BN71A2**	263
388	8.6	9.9	7.2	1640	**A052_7.2 S05 M05C2**	263	**A052_7.2 P71 BN71A2**	263
445	7.5	10.7	6.3	1570	**A052_6.3 S05 M05C2**	263	**A052_6.3 P71 BN71A2**	263
512	6.5	11.6	5.5	1500	**A052_5.5 S05 M05C2**	263		

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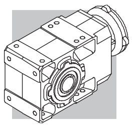
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
0.56	8299	1.7	1632	75000	**A904_1632 S2 M2SA6**	304	**A904_1632 P80 BN80B6**	305
0.64	7310	1.1	1438	65000	**A804_1438 S2 M2SA6**	301	**A804_1438 P80 BN80B6**	302
0.75	6213	2.3	1222	75000	**A904_1222 S2 M2SA6**	304	**A904_1222 P80 BN80B6**	305
0.80	5813	0.9	1715	50000	**A704_1715 S1 M1LA4**	298	**A704_1715 P80 BN80A4**	299
0.85	5532	2.5	1632	75000	**A904_1632 S1 M1LA4**	304	**A904_1632 P80 BN80A4**	305
0.87	5365	0.9	1583	50000	**A704_1583 S1 M1LA4**	298	**A704_1583 P80 BN80A4**	299
0.89	5279	1.5	1558	65000	**A804_1558 S1 M1LA4**	301	**A804_1558 P80 BN80A4**	302
0.92	5070	2.8	1507	75000	**A904_1507 S1 M1LA4**	304	**A904_1507 P80 BN80A4**	305
0.96	4873	1.6	1438	65000	**A804_1438 S1 M1LA4**	301	**A804_1438 P80 BN80A4**	302
1.0	4561	1.1	1346	50000	**A704_1346 S1 M1LA4**	298	**A704_1346 P80 BN80A4**	299
1.0	4541	1.8	1340	65000	**A804_1340 S1 M1LA4**	301	**A804_1340 P80 BN80A4**	302
1.0	4455	3.1	1324	75000	**A904_1324 S1 M1LA4**	304	**A904_1324 P80 BN80A4**	305
1.1	4211	1.2	1242	50000	**A704_1242 S1 M1LA4**	298	**A704_1242 P80 BN80A4**	299



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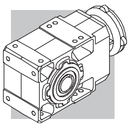
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
1.1	4192	1.9	1237	65000	**A804_1237 S1 M1LA4**	301	**A804_1237 P80 BN80A4**	302
1.1	4112	3.4	1222	75000	**A904_1222 S1 M1LA4**	304	**A904_1222 P80 BN80A4**	305
1.2	3937	1.3	1161	50000	**A704_1161 S1 M1LA4**	298	**A704_1161 P80 BN80A4**	299
1.3	3677	2.2	1085	65000	**A804_1085 S1 M1LA4**	301	**A804_1085 P80 BN80A4**	302
1.3	3634	1.4	1072	50000	**A704_1072 S1 M1LA4**	298	**A704_1072 P80 BN80A4**	299
1.4	3394	2.4	1001	65000	**A804_1001 S1 M1LA4**	301	**A804_1001 P80 BN80A4**	302
1.5	3140	1.6	926.5	50000	**A704_926.5 S1 M1LA4**	298	**A704_926.5 P80 BN80A4**	299
1.5	3046	2.6	898.7	65000	**A804_898.7 S1 M1LA4**	301	**A804_898.7 P80 BN80A4**	302
1.6	2899	1.7	855.3	50000	**A704_855.3 S1 M1LA4**	298	**A704_855.3 P80 BN80A4**	299
1.7	2811	2.8	829.5	65000	**A804_829.5 S1 M1LA4**	301	**A804_829.5 P80 BN80A4**	302
1.8	2589	1.9	763.9	50000	**A704_763.9 S1 M1LA4**	298	**A704_763.9 P80 BN80A4**	299
1.8	2583	3.1	762.1	65000	**A804_762.1 S1 M1LA4**	301	**A804_762.1 P80 BN80A4**	302
1.8	2560	1.1	755.4	30000	**A604_755.4 S1 M1LA4**	294	**A604_755.4 P80 BN80A4**	295
2.0	2390	2.1	705.1	50000	**A704_705.1 S1 M1LA4**	298	**A704_705.1 P80 BN80A4**	299
2.0	2384	3.4	703.5	65000	**A804_703.5 S1 M1LA4**	301	**A804_703.5 P80 BN80A4**	302
2.0	2363	1.2	697.3	30000	**A604_697.3 S1 M1LA4**	294	**A604_697.3 P80 BN80A4**	295
2.1	2185	2.3	644.6	50000	**A704_644.6 S1 M1LA4**	298	**A704_644.6 P80 BN80A4**	299
2.2	2151	1.3	634.6	30000	**A604_634.6 S1 M1LA4**	294	**A604_634.6 P80 BN80A4**	295
2.3	2017	2.5	595.0	50000	**A704_595.0 S1 M1LA4**	298	**A704_595.0 P80 BN80A4**	299
2.4	1985	1.4	585.8	30000	**A604_585.8 S1 M1LA4**	294	**A604_585.8 P80 BN80A4**	295
2.5	1837	1.5	542.0	30000	**A604_542.0 S1 M1LA4**	294	**A604_542.0 P80 BN80A4**	295
2.7	1747	2.9	515.4	50000	**A704_515.4 S1 M1LA4**	298	**A704_515.4 P80 BN80A4**	299
2.8	1696	1.7	500.3	30000	**A604_500.3 S1 M1LA4**	294	**A604_500.3 P80 BN80A4**	295
2.9	1632	0.9	481.6	20000	**A504_481.6 S1 M1LA4**	286	**A504_481.6 P80 BN80A4**	287
2.9	1612	3.1	475.8	50000	**A704_475.8 S1 M1LA4**	298	**A704_475.8 P80 BN80A4**	299
3.1	1514	1.0	446.8	20000	**A504_446.8 S1 M1LA4**	286	**A504_446.8 P80 BN80A4**	287
3.1	1486	1.9	438.4	30000	**A604_438.4 S1 M1LA4**	294	**A604_438.4 P80 BN80A4**	295
3.4	1378	1.1	406.4	20000	**A504_406.4 S1 M1LA4**	286	**A504_406.4 P80 BN80A4**	287
3.4	1372	2.0	404.7	30000	**A604_404.7 S1 M1LA4**	294	**A604_404.7 P80 BN80A4**	295
3.8	1239	1.2	365.6	20000	**A504_365.6 S1 M1LA4**	286	**A504_365.6 P80 BN80A4**	287
3.9	1190	2.4	351.2	30000	**A604_351.2 S1 M1LA4**	294	**A604_351.2 P80 BN80A4**	295
4.1	1127	1.3	332.6	20000	**A504_332.6 S1 M1LA4**	286	**A504_332.6 P80 BN80A4**	287
4.3	1099	2.5	324.2	30000	**A604_324.2 S1 M1LA4**	294	**A604_324.2 P80 BN80A4**	295
4.8	972	1.5	286.8	20000	**A504_286.8 S1 M1LA4**	286	**A504_286.8 P80 BN80A4**	287
4.8	970	2.9	286.3	30000	**A604_286.3 S1 M1LA4**	294	**A604_286.3 P80 BN80A4**	295
5.2	896	3.1	264.3	30000	**A604_264.3 S1 M1LA4**	294	**A604_264.3 P80 BN80A4**	295
5.3	910	0.9	262.5	15000	**A413_262.5 S1 M1LA4**	282	**A413_262.5 P80 BN80A4**	283
5.3	884	1.7	260.9	20000	**A504_260.9 S1 M1LA4**	286	**A504_260.9 P80 BN80A4**	287
5.7	834	1.0	240.6	15000	**A413_240.6 S1 M1LA4**	282	**A413_240.6 P80 BN80A4**	283
5.9	786	1.9	232.0	20000	**A504_232.0 S1 M1LA4**	286	**A504_232.0 P80 BN80A4**	287
6.3	753	1.1	217.4	15000	**A413_217.4 S1 M1LA4**	282	**A413_217.4 P80 BN80A4**	283
6.5	715	2.1	211.0	20000	**A504_211.0 S1 M1LA4**	286	**A504_211.0 P80 BN80A4**	287
7.0	685	1.2	197.5	15000	**A413_197.5 S1 M1LA4**	282	**A413_197.5 P80 BN80A4**	283
7.1	673	3.0	194.2	30000	**A553_194.2 S1 M1LA4**	290	**A553_194.2 P80 BN80A4**	291
7.2	660	2.3	190.6	20000	**A503_190.6 S1 M1LA4**	286	**A503_190.6 P80 BN80A4**	287
7.3	653	0.9	188.3	12000	**A353_188.3 S1 M1LA4**	278	**A353_188.3 P80 BN80A4**	279
7.5	639	1.3	184.4	15000	**A413_184.4 S1 M1LA4**	282	**A413_184.4 P80 BN80A4**	283
7.9	607	3.3	175.0	30000	**A553_175.0 S1 M1LA4**	290	**A553_175.0 P80 BN80A4**	291
8.0	601	2.5	173.4	20000	**A503_173.4 S1 M1LA4**	286	**A503_173.4 P80 BN80A4**	287
8.0	595	1.0	171.8	12000	**A353_171.8 S1 M1LA4**	278	**A353_171.8 P80 BN80A4**	279
9.0	532	2.8	154.6	20000	**A503_154.6 S1 M1LA4**	286	**A503_154.6 P80 BN80A4**	287
9.2	522	1.1	150.6	12000	**A353_150.6 S1 M1LA4**	278	**A353_150.6 P80 BN80A4**	279
9.4	509	1.7	146.9	15000	**A413_146.9 S1 M1LA4**	282	**A413_146.9 P80 BN80A4**	283
9.9	484	3.1	140.6	20000	**A503_140.6 S1 M1LA4**	286	**A503_140.6 P80 BN80A4**	287
10.1	472	1.2	136.3	12000	**A353_136.3 S1 M1LA4**	278	**A353_136.3 P80 BN80A4**	279
10.7	446	3.4	129.7	20000	**A503_129.7 S1 M1LA4**	286	**A503_129.7 P80 BN80A4**	287
11.8	405	1.4	116.9	12000	**A353_116.9 S1 M1LA4**	278	**A353_116.9 P80 BN80A4**	279
11.9	402	2.1	115.9	15000	**A413_115.9 S1 M1LA4**	282	**A413_115.9 P80 BN80A4**	283
13.1	366	1.4	105.5	12000	**A353_105.5 S1 M1LA4**	278	**A353_105.5 P80 BN80A4**	279
14.2	349	0.9	97.5	9600			**A302_97.5 P80 BN80A4**	275
14.4	342	1.6	95.6	12000	**A352_95.6 S1 M1LA4**	278	**A352_95.6 P80 BN80A4**	279
14.9	321	2.5	92.8	15000	**A413_92.8 S1 M1LA4**	282	**A413_92.8 P80 BN80A4**	283
15.9	310	1.0	86.7	9420			**A302_86.7 P80 BN80A4**	275
16.7	295	2.0	82.5	12000	**A352_82.5 S1 M1LA4**	278	**A352_82.5 P80 BN80A4**	279
17.4	284	3.0	79.2	15000	**A412_79.2 S1 M1LA4**	282	**A412_79.2 P80 BN80A4**	283



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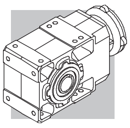
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
18.0	274	1.3	76.5	9180	**A302_76.5 S1 M1LA4**	274	**A302_76.5 P80 BN80A4**	275
18.6	266	2.3	74.3	12000	**A352_74.3 S1 M1LA4**	278	**A352_74.3 P80 BN80A4**	279
19.4	255	3.3	71.3	15000	**A412_71.3 S1 M1LA4**	282	**A412_71.3 P80 BN80A4**	283
20.9	236	1.6	66.0	8880	**A302_66.0 S1 M1LA4**	274	**A302_66.0 P80 BN80A4**	275
21.0	236	2.5	65.8	12000	**A352_65.8 S1 M1LA4**	278	**A352_65.8 P80 BN80A4**	279
21.9	226	1.1	63.1	5840	**A202_63.1 S1 M1LA4**	270	**A202_63.1 P80 BN80A4**	271
22.9	216	2.8	60.4	12000	**A352_60.4 S1 M1LA4**	278	**A352_60.4 P80 BN80A4**	279
23.2	213	1.9	59.4	8660	**A302_59.4 S1 M1LA4**	274	**A302_59.4 P80 BN80A4**	275
25.4	194	3.1	54.3	12000	**A352_54.3 S1 M1LA4**	278	**A352_54.3 P80 BN80A4**	279
25.7	192	1.3	53.7	5670	**A202_53.7 S1 M1LA4**	270	**A202_53.7 P80 BN80A4**	271
26.2	189	2.2	52.7	8410	**A302_52.7 S1 M1LA4**	274	**A302_52.7 P80 BN80A4**	275
28.1	176	3.4	49.1	12000	**A352_49.1 S1 M1LA4**	278	**A352_49.1 P80 BN80A4**	279
28.6	173	1.4	48.3	5560	**A202_48.3 S1 M1LA4**	270	**A202_48.3 P80 BN80A4**	271
28.6	173	2.4	48.3	8230	**A302_48.3 S1 M1LA4**	274	**A302_48.3 P80 BN80A4**	275
30	163	0.9	45.4	4910	**A102_45.4 S1 M1LA4**	266	**A102_45.4 P80 BN80A4**	267
32	155	2.6	43.4	8010	**A302_43.4 S1 M1LA4**	274	**A302_43.4 P80 BN80A4**	275
32	155	1.6	43.2	5440	**A202_43.2 S1 M1LA4**	270	**A202_43.2 P80 BN80A4**	271
34	146	1.0	40.9	5500	**A102_40.9 S1 M1LA4**	266	**A102_40.9 P80 BN80A4**	267
35	142	1.8	39.6	5340	**A202_39.6 S1 M1LA4**	270	**A202_39.6 P80 BN80A4**	271
35	141	2.9	39.3	7800	**A302_39.3 S1 M1LA4**	274	**A302_39.3 P80 BN80A4**	275
38	131	3.1	36.6	7660	**A302_36.6 S1 M1LA4**	274	**A302_36.6 P80 BN80A4**	275
39	127	2.0	35.4	5200	**A202_35.4 S1 M1LA4**	270	**A202_35.4 P80 BN80A4**	271
39	126	1.2	35.1	4700	**A102_35.1 S1 M1LA4**	266	**A102_35.1 P80 BN80A4**	267
41	120	3.4	33.4	7480	**A302_33.4 S1 M1LA4**	274	**A302_33.4 P80 BN80A4**	275
43	115	1.3	32.2	5490	**A102_32.2 S1 M1LA4**	266	**A102_32.2 P80 BN80A4**	267
44	112	2.2	31.3	5060	**A202_31.3 S1 M1LA4**	270	**A202_31.3 P80 BN80A4**	271
47	105	2.4	29.2	4970	**A202_29.2 S1 M1LA4**	270	**A202_29.2 P80 BN80A4**	271
48	102	1.0	28.6	2550	**A052_28.6 S1 M1LA4**	263	**A052_28.6 P80 BN80A4**	263
48	102	1.5	28.6	4510	**A102_28.6 S1 M1LA4**	266	**A102_28.6 P80 BN80A4**	267
52	95	2.6	26.5	4850	**A202_26.5 S1 M1LA4**	270	**A202_26.5 P80 BN80A4**	271
54	91	1.1	25.5	2510	**A052_25.5 S1 M1LA4**	263	**A052_25.5 P80 BN80A4**	263
54	91	1.6	25.5	5230	**A102_25.5 S1 M1LA4**	266	**A102_25.5 P80 BN80A4**	267
58	85	1.2	23.8	2490	**A052_23.8 S1 M1LA4**	263	**A052_23.8 P80 BN80A4**	263
58	85	1.8	23.8	4330	**A102_23.8 S1 M1LA4**	266	**A102_23.8 P80 BN80A4**	267
60	83	3.0	23.1	4690	**A202_23.1 S1 M1LA4**	270	**A202_23.1 P80 BN80A4**	271
65	76	1.3	21.4	2450	**A052_21.4 S1 M1LA4**	263	**A052_21.4 P80 BN80A4**	263
65	76	2.0	21.4	5020	**A102_21.4 S1 M1LA4**	266	**A102_21.4 P80 BN80A4**	267
65	76	3.3	21.2	4590	**A202_21.2 S1 M1LA4**	270	**A202_21.2 P80 BN80A4**	271
74	66	1.5	18.6	2400	**A052_18.6 S1 M1LA4**	263	**A052_18.6 P80 BN80A4**	263
74	66	2.3	18.6	4090	**A102_18.6 S1 M1LA4**	266	**A102_18.6 P80 BN80A4**	267
84	59	1.7	16.4	2340	**A052_16.4 S1 M1LA4**	263	**A052_16.4 P80 BN80A4**	263
84	59	2.5	16.4	4710	**A102_16.4 S1 M1LA4**	266	**A102_16.4 P80 BN80A4**	267
99	50	2.0	13.9	2270	**A052_13.9 S1 M1LA4**	263	**A052_13.9 P80 BN80A4**	263
99	50	3.0	13.9	3800	**A102_13.9 S1 M1LA4**	266	**A102_13.9 P80 BN80A4**	267
112	44	2.3	12.3	2220	**A052_12.3 S1 M1LA4**	263	**A052_12.3 P80 BN80A4**	263
112	44	3.2	12.3	3670	**A102_12.3 S1 M1LA4**	266	**A102_12.3 P80 BN80A4**	267
131	38	2.6	10.6	2130	**A052_10.6 S1 M1LA4**	263	**A052_10.6 P80 BN80A4**	263
144	34	2.9	9.6	2100	**A052_9.6 S1 M1LA4**	263	**A052_9.6 P80 BN80A4**	263
162	30	3.3	8.5	2030	**A052_8.5 S1 M1LA4**	263	**A052_8.5 P80 BN80A4**	263
171	29	3.1	16.4	2000	**A052_16.4 S1 M1SD2**	263	**A052_16.4 P71 BN71B2**	263
191	26	3.9	7.2	1950	**A052_7.2 S1 M1LA4**	263	**A052_7.2 P80 BN80A4**	263
218	23	4.4	6.3	1880	**A052_6.3 S1 M1LA4**	263	**A052_6.3 P80 BN80A4**	263
229	22	4.6	12.3	1860	**A052_12.3 S1 M1SD2**	263	**A052_12.3 P71 BN71B2**	263
252	19.6	4.9	5.5	1810	**A052_5.5 S1 M1LA4**	263	**A052_5.5 P80 BN80A4**	263
267	18.5	4.3	10.6	1780	**A052_10.6 S1 M1SD2**	263	**A052_10.6 P71 BN71B2**	263
293	16.8	5.6	9.6	1740	**A052_9.6 S1 M1SD2**	263	**A052_9.6 P71 BN71B2**	263
331	14.9	6.0	8.5	1680	**A052_8.5 S1 M1SD2**	263	**A052_8.5 P71 BN71B2**	263
391	12.6	6.7	7.2	1600	**A052_7.2 S1 M1SD2**	263	**A052_7.2 P71 BN71B2**	263
445	11.1	7.2	6.3	1540	**A052_6.3 S1 M1SD2**	263	**A052_6.3 P71 BN71B2**	263
516	9.6	7.8	5.5	1480	**A052_5.5 S1 M1SD2**	263	**A052_5.5 P71 BN71B2**	263



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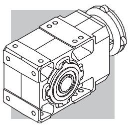
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
0.58	11068	1.3	1632	75000	A904_1632 S3 ME3SA6	304	A904_ 1632 P90 BE90S6	305
0.62	10220	1.4	1507	75000	A904_1507 S3 ME3SA6	304	A904_ 1507 P90 BE90S6	305
0.71	8979	1.6	1324	75000	A904_1324 S3 ME3SA6	304	A904_ 1324 P90 BE90S6	305
0.77	8287	1.7	1222	75000	A904_1222 S3 ME3SA6	304	A904_ 1222 P90 BE90S6	305
0.88	7264	1.9	1632	75000	A904_1632 S2 ME2SB4	304	A904_1632 P80 BE80B4	305
0.92	6932	1.2	1558	65000	A804_1558 S2 ME2SB4	301	A804_1558 P80 BE80B4	302
0.95	6705	2.1	1507	75000	A904_1507 S2 ME2SB4	304	A904_1507 P80 BE80B4	305
0.99	6398	1.3	1438	65000	A804_1438 S2 ME2SB4	301	A804_1438 P80 BE80B4	302
1.1	5963	1.3	1340	65000	A804_1340 S2 ME2SB4	301	A804_1340 P80 BE80B4	302
1.1	5892	2.4	1324	75000	A904_1324 S2 ME2SB4	304	A904_1324 P80 BE80B4	305
1.2	5528	0.9	1242	50000	A704_1242 S2 ME2SB4	298	A704_1242 P80 BE80B4	299
1.2	5504	1.5	1237	65000	A804_1237 S2 ME2SB4	301	A804_1237 P80 BE80B4	302
1.2	5439	2.6	1222	75000	A904_1222 S2 ME2SB4	304	A904_1222 P80 BE80B4	305
1.2	5169	1.0	1161	50000	A704_1161 S2 ME2SB4	298	A704_1161 P80 BE80B4	299
1.3	4942	2.8	1111	75000	A904_1111 S2 ME2SB4	304	A904_1111 P80 BE80B4	305
1.3	4828	1.7	1085	65000	A804_1085 S2 ME2SB4	301	A804_1085 P80 BE80B4	302
1.3	4771	1.0	1072	50000	A704_1072 S2 ME2SB4	298	A704_1072 P80 BE80B4	299
1.4	4562	3.1	1025	75000	A904_1025 S2 ME2SB4	304	A904_1025 P80 BE80B4	305
1.4	4456	1.8	1001	65000	A804_1001 S2 ME2SB4	301	A804_1001 P80 BE80B4	302
1.5	4170	3.4	937.2	75000	A904_937.2 S2 ME2SB4	304	A904_937.2 P80 BE80B4	305
1.5	4123	1.2	926.5	50000	A704_926.5 S2 ME2SB4	298	A704_926.5 P80 BE80B4	299
1.6	3999	2.0	898.7	65000	A804_898.7 S2 ME2SB4	301	A804_898.7 P80 BE80B4	302
1.7	3806	1.3	855.3	50000	A704_855.3 S2 ME2SB4	298	A704_855.3 P80 BE80B4	299
1.7	3691	2.2	829.5	65000	A804_829.5 S2 ME2SB4	301	A804_829.5 P80 BE80B4	302
1.9	3399	1.5	763.9	50000	A704_763.9 S2 ME2SB4	298	A704_763.9 P80 BE80B4	299
1.9	3391	2.4	762.1	65000	A804_762.1 S2 ME2SB4	301	A804_762.1 P80 BE80B4	302
2.0	3138	1.6	705.1	50000	A704_705.1 S2 ME2SB4	298	A704_705.1 P80 BE80B4	299
2.0	3130	2.6	703.5	65000	A804_703.5 S2 ME2SB4	301	A804_703.5 P80 BE80B4	302
2.1	3103	0.9	697.3	30000	A604_697.3 S2 ME2SB4	294	A604_697.3 P80 BE80B4	295
2.2	2869	1.7	644.6	50000	A704_644.6 S2 ME2SB4	298	A704_644.6 P80 BE80B4	299
2.3	2824	1.0	634.6	30000	A604_634.6 S2 ME2SB4	294	A604_634.6 P80 BE80B4	295
2.4	2702	3.0	607.2	65000	A804_607.2 S2 ME2SB4	301	A804_607.2 P80 BE80B4	302
2.4	2648	1.9	595.0	50000	A704_595.0 S2 ME2SB4	298	A704_595.0 P80 BE80B4	299
2.4	2607	1.1	585.8	30000	A604_585.8 S2 ME2SB4	294	A604_585.8 P80 BE80B4	295
2.6	2494	3.2	560.5	65000	A804_560.5 S2 ME2SB4	301	A804_560.5 P80 BE80B4	302
2.6	2412	1.2	542.0	30000	A604_542.0 S2 ME2SB4	294	A604_542.0 P80 BE80B4	295
2.8	2294	2.2	515.4	50000	A704_515.4 S2 ME2SB4	298	A704_515.4 P80 BE80B4	299
2.9	2226	1.3	500.3	30000	A604_500.3 S2 ME2SB4	294	A604_500.3 P80 BE80B4	295
3.0	2117	2.4	475.8	50000	A704_475.8 S2 ME2SB4	298	A704_475.8 P80 BE80B4	299
3.3	1951	1.4	438.4	30000	A604_438.4 S2 ME2SB4	294	A604_438.4 P80 BE80B4	295
3.5	1842	1.1	414.0	30000	A554_414.0 S2 ME2SB4	290	A554_414.0 P80 BE80B4	291
3.5	1801	1.6	404.7	30000	A604_404.7 S2 ME2SB4	294	A604_404.7 P80 BE80B4	295
3.6	1781	2.8	400.2	50000	A704_400.2 S2 ME2SB4	298	A704_400.2 P80 BE80B4	299
3.9	1644	3.0	369.4	50000	A704_369.4 S2 ME2SB4	298	A704_369.4 P80 BE80B4	299
3.9	1627	0.9	365.6	20000	A504_365.6 S2 ME2SB4	286	A504_365.6 P80 BE80B4	287
4.1	1563	1.8	351.2	30000	A604_351.2 S2 ME2SB4	294	A604_351.2 P80 BE80B4	295
4.3	1480	1.0	332.6	20000	A504_332.6 S2 ME2SB4	286	A504_332.6 P80 BE80B4	287
4.4	1445	1.4	324.7	30000	A554_324.7 S2 ME2SB4	290	A554_324.7 P80 BE80B4	291
4.4	1443	1.9	324.2	30000	A604_324.2 S2 ME2SB4	294	A604_324.2 P80 BE80B4	295
4.5	1408	3.6	316.4	50000	A704_316.4 S2 ME2SB4	298	A704_316.4 P80 BE80B4	299
5.0	1276	1.2	286.8	20000	A504_286.8 S2 ME2SB4	286	A504_286.8 P80 BE80B4	287
5.0	1274	2.2	286.3	30000	A604_286.3 S2 ME2SB4	294	A604_286.3 P80 BE80B4	295
5.4	1176	2.4	264.3	30000	A604_264.3 S2 ME2SB4	294	A604_264.3 P80 BE80B4	295
5.4	1169	1.7	262.6	30000	A554_262.6 S2 ME2SB4	290	A554_262.6 P80 BE80B4	291
5.5	1161	1.3	260.9	20000	A504_260.9 S2 ME2SB4	286	A504_260.9 P80 BE80B4	287
6.2	1032	1.5	232.0	20000	A504_232.0 S2 ME2SB4	286	A504_232.0 P80 BE80B4	287
6.3	1006	2.8	226.1	30000	A604_226.1 S2 ME2SB4	294	A604_226.1 P80 BE80B4	295
6.8	939	1.6	211.0	20000	A504_211.0 S2 ME2SB4	286	A504_211.0 P80 BE80B4	287
6.9	929	3.0	208.7	30000	A604_208.7 S2 ME2SB4	294	A604_208.7 P80 BE80B4	295
6.9	926	2.1	208.1	30000	A554_208.1 S2 ME2SB4	290	A554_208.1 P80 BE80B4	291
7.2	899	0.9	197.5	15000	A413_197.5 S2 ME2SB4	282	A413_197.5 P80 BE80B4	283
7.4	884	2.3	194.2	30000	A553_194.2 S2 ME2SB4	290	A553_194.2 P80 BE80B4	291
7.5	867	1.7	190.6	20000	A503_190.6 S2 ME2SB4	286	A503_190.6 P80 BE80B4	287
7.7	845	3.3	185.8	30000	A603_185.8 S2 ME2SB4	294	A603_185.8 P80 BE80B4	295
7.8	839	1.0	184.4	15000	A413_184.4 S2 ME2SB4	282	A413_184.4 P80 BE80B4	283



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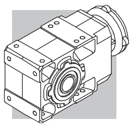
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
8.2	796	2.5	175.0	30000	**A553_175.0 S2 ME2SB4**	290	**A553_175.0 P80 BE80B4**	291
8.2	789	1.9	173.4	20000	**A503_173.4 S2 ME2SB4**	286	**A503_173.4 P80 BE80B4**	287
8.3	780	3.6	171.5	30000	**A603_171.5 S2 ME2SB4**	294	**A603_171.5 P80 BE80B4**	295
8.9	730	2.7	160.4	30000	**A553_160.4 S2 ME2SB4**	290	**A553_160.4 P80 BE80B4**	291
9.3	703	2.1	154.6	20000	**A503_154.6 S2 ME2SB4**	286	**A503_154.6 P80 BE80B4**	287
9.7	668	1.3	146.9	15000	**A413_146.9 S2 ME2SB4**	282	**A413_146.9 P80 BE80B4**	283
9.7	668	3.0	146.8	30000	**A553_146.8 S2 ME2SB4**	290	**A553_146.8 P80 BE80B4**	291
10.2	640	2.3	140.6	20000	**A503_140.6 S2 ME2SB4**	286	**A503_140.6 P80 BE80B4**	287
10.5	620	0.9	136.3	12000	**A353_136.3 S2 ME2SB4**	278	**A353_136.3 P80 BE80B4**	279
10.8	604	3.3	132.7	30000	**A553_132.7 S2 ME2SB4**	290	**A553_132.7 P80 BE80B4**	291
11.0	590	2.5	129.7	20000	**A503_129.7 S2 ME2SB4**	286	**A503_129.7 P80 BE80B4**	287
11.5	564	3.5	123.9	30000	**A553_123.9 S2 ME2SB4**	290	**A553_123.9 P80 BE80B4**	291
12.1	537	2.8	118.0	20000	**A503_118.0 S2 ME2SB4**	286	**A503_118.0 P80 BE80B4**	287
12.2	532	1.1	116.9	12000	**A353_116.9 S2 ME2SB4**	278	**A353_116.9 P80 BE80B4**	279
12.3	527	1.6	115.9	15000	**A413_115.9 S2 ME2SB4**	282	**A413_115.9 P80 BE80B4**	283
13.1	498	3.0	109.4	20000	**A503_109.4 S2 ME2SB4**	286	**A503_109.4 P80 BE80B4**	287
13.5	480	1.1	105.5	12000	**A353_105.5 S2 ME2SB4**	278	**A353_105.5 P80 BE80B4**	279
14.4	453	3.3	99.5	20000	**A503_99.5 S2 ME2SB4**	286	**A503_99.5 P80 BE80B4**	287
15.0	450	1.2	95.6	12000	**A352_95.6 S2 ME2SB4**	278	**A352_95.6 P80 BE80B4**	279
15.4	422	1.9	92.8	15000	**A413_92.8 S2 ME2SB4**	282	**A413_92.8 P80 BE80B4**	283
17.3	388	1.5	82.5	12000	**A352_82.5 S2 ME2SB4**	278	**A352_82.5 P80 BE80B4**	279
18.0	372	2.3	79.2	15000	**A412_79.2 S2 ME2SB4**	282	**A412_79.2 P80 BE80B4**	283
18.7	360	1.0	76.5	8580	**A302_76.5 S2 ME2SB4**	274	**A302_76.5 P80 BE80B4**	275
19.3	349	1.7	74.3	12000	**A352_74.3 S2 ME2SB4**	278	**A352_74.3 P80 BE80B4**	279
20.1	335	2.5	71.3	15000	**A412_71.3 S2 ME2SB4**	282	**A412_71.3 P80 BE80B4**	283
21.7	310	1.3	66.0	8360	**A302_66.0 S2 ME2SB4**	274	**A302_66.0 P80 BE80B4**	275
21.7	309	1.9	65.8	12000	**A352_65.8 S2 ME2SB4**	278	**A352_65.8 P80 BE80B4**	279
22.3	302	2.8	64.2	15000	**A412_64.2 S2 ME2SB4**	282	**A412_64.2 P80 BE80B4**	283
23.7	284	2.1	60.4	12000	**A352_60.4 S2 ME2SB4**	278	**A352_60.4 P80 BE80B4**	279
24.1	279	1.4	59.4	8190	**A302_59.4 S2 ME2SB4**	274	**A302_59.4 P80 BE80B4**	275
24.3	276	3.1	58.8	15000	**A412_58.8 S2 ME2SB4**	282	**A412_58.8 P80 BE80B4**	283
26.3	255	2.4	54.3	12000	**A352_54.3 S2 ME2SB4**	278	**A352_54.3 P80 BE80B4**	279
26.7	252	1.0	53.7	5210	**A202_53.7 S2 ME2SB4**	270	**A202_53.7 P80 BE80B4**	271
26.9	250	3.4	53.1	15000	**A412_53.1 S2 ME2SB4**	282	**A412_53.1 P80 BE80B4**	283
27.1	248	1.7	52.7	7990	**A302_52.7 S2 ME2SB4**	274	**A302_52.7 P80 BE80B4**	275
29.1	231	2.6	49.1	12000	**A352_49.1 S2 ME2SB4**	278	**A352_49.1 P80 BE80B4**	279
29.6	227	1.1	48.3	5140	**A202_48.3 S2 ME2SB4**	270	**A202_48.3 P80 BE80B4**	271
29.6	227	1.8	48.3	7840	**A302_48.3 S2 ME2SB4**	274	**A302_48.3 P80 BE80B4**	275
31	215	2.8	45.8	12000	**A352_45.8 S2 ME2SB4**	278	**A352_45.8 P80 BE80B4**	279
33	204	2.0	43.4	7660	**A302_43.4 S2 ME2SB4**	274	**A302_43.4 P80 BE80B4**	275
33	203	1.2	43.2	5060	**A202_43.2 S2 ME2SB4**	270	**A202_43.2 P80 BE80B4**	271
34	196	3.1	41.8	11900	**A352_41.8 S2 ME2SB4**	278	**A352_41.8 P80 BE80B4**	279
36	186	1.3	39.6	4990	**A202_39.6 S2 ME2SB4**	270	**A202_39.6 P80 BE80B4**	271
36	185	2.2	39.3	7480	**A302_39.3 S2 ME2SB4**	274	**A302_39.3 P80 BE80B4**	275
39	172	2.4	36.6	7360	**A302_36.6 S2 ME2SB4**	274	**A302_36.6 P80 BE80B4**	275
39	172	3.5	36.6	11500	**A352_36.6 S2 ME2SB4**	278	**A352_36.6 P80 BE80B4**	279
40	167	1.5	35.4	4890	**A202_35.4 S2 ME2SB4**	270	**A202_35.4 P80 BE80B4**	271
41	165	0.9	35.1	4320	**A102_35.1 S2 ME2SB4**	266	**A102_35.1 P80 BE80B4**	267
43	157	2.6	33.4	7200	**A302_33.4 S2 ME2SB4**	274	**A302_33.4 P80 BE80B4**	275
44	151	1.0	32.2	5080	**A102_32.2 S2 ME2SB4**	266	**A102_32.2 P80 BE80B4**	267
46	147	1.7	31.3	4780	**A202_31.3 S2 ME2SB4**	270	**A202_31.3 P80 BE80B4**	271
49	138	3.0	29.3	6960	**A302_29.3 S2 ME2SB4**	274	**A302_29.3 P80 BE80B4**	275
49	137	1.8	29.2	4710	**A202_29.2 S2 ME2SB4**	270	**A202_29.2 P80 BE80B4**	271
50	134	1.1	28.6	4200	**A102_28.6 S2 ME2SB4**	266	**A102_28.6 P80 BE80B4**	267
54	125	3.3	26.5	6790	**A302_26.5 S2 ME2SB4**	274	**A302_26.5 P80 BE80B4**	275
54	124	2.0	26.5	4620	**A202_26.5 S2 ME2SB4**	270	**A202_26.5 P80 BE80B4**	271
56	120	1.3	25.5	4900	**A102_25.5 S2 ME2SB4**	266	**A102_25.5 P80 BE80B4**	267
60	112	0.9	23.8	2200	**A052_23.8 S2 ME2SB4**	263	**A052_23.8 P80 BE80B4**	263
60	112	1.3	23.8	4070	**A102_23.8 S2 ME2SB4**	266	**A102_23.8 P80 BE80B4**	267
62	109	2.3	23.1	4480	**A202_23.1 S2 ME2SB4**	270	**A202_23.1 P80 BE80B4**	271
67	100	1.0	21.4	2210	**A052_21.4 S2 ME2SB4**	263	**A052_21.4 P80 BE80B4**	263
67	100	1.5	21.4	4740	**A102_21.4 S2 ME2SB4**	266	**A102_21.4 P80 BE80B4**	267
67	100	2.5	21.2	4390	**A202_21.2 S2 ME2SB4**	270	**A202_21.2 P80 BE80B4**	271
77	87	1.1	18.6	2190	**A052_18.6 S2 ME2SB4**	263	**A052_18.6 P80 BE80B4**	263
77	87	1.7	18.6	3880	**A102_18.6 S2 ME2SB4**	266	**A102_18.6 P80 BE80B4**	267



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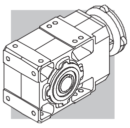
n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
79	85	2.9	18.1	4230	**A202_18.1 S2 ME2SB4**	270	**A202_18.1 P80 BE80B4**	271
87	77	1.3	16.4	2160	**A052_16.4 S2 ME2SB4**	263	**A052_16.4 P80 BE80B4**	263
87	77	1.9	16.4	4490	**A102_16.4 S2 ME2SB4**	266	**A102_16.4 P80 BE80B4**	267
88	76	3.3	16.2	4110	**A202_16.2 S2 ME2SB4**	270	**A202_16.2 P80 BE80B4**	271
103	65	1.5	13.9	2110	**A052_13.9 S2 ME2SB4**	263	**A052_13.9 P80 BE80B4**	263
103	65	2.3	13.9	3640	**A102_13.9 S2 ME2SB4**	266	**A102_13.9 P80 BE80B4**	267
116	58	1.7	12.3	2080	**A052_12.3 S2 ME2SB4**	263	**A052_12.3 P80 BE80B4**	263
116	58	2.4	12.3	3530	**A102_12.3 S2 ME2SB4**	266	**A102_12.3 P80 BE80B4**	267
135	50	2.0	10.6	2010	**A052_10.6 S2 ME2SB4**	263	**A052_10.6 P80 BE80B4**	263
135	50	3.0	10.6	3400	**A102_10.6 S2 ME2SB4**	266	**A102_10.6 P80 BE80B4**	267
149	45	2.2	9.6	1990	**A052_9.6 S2 ME2SB4**	263	**A052_9.6 P80 BE80B4**	263
149	45	3.1	9.6	3320	**A102_9.6 S2 ME2SB4**	266	**A102_9.6 P80 BE80B4**	267
168	40	2.5	8.5	1940	**A052_8.5 S2 ME2SB4**	263	**A052_8.5 P80 BE80B4**	263
168	40	3.5	8.5	3820	**A102_8.5 S2 ME2SB4**	266	**A102_8.5 P80 BE80B4**	267
198	34	3.0	7.2	1870	**A052_7.2 S2 ME2SB4**	263	**A052_7.2 P80 BE80B4**	263
226	30	3.4	6.3	1810	**A052_6.3 S2 ME2SB4**	263	**A052_6.3 P80 BE80B4**	263
262	26	3.7	5.5	1750	**A052_5.5 S2 ME2SB4**	263	**A052_5.5 P80 BE80B4**	263
270	25	3.2	10.6	1720	**A052_10.6 S2 ME2SA2**	263	**A052_10.6 P80 BE80A2**	263
296	23	4.2	9.6	1690	**A052_9.6 S2 ME2SA2**	263	**A052_9.6 P80 BE80A2**	263
335	20	4.5	8.5	1640	**A052_8.5 S2 ME2SA2**	263	**A052_8.5 P80 BE80A2**	263
395	17.0	5.0	7.2	1570	**A052_7.2 S2 ME2SA2**	263	**A052_7.2 P80 BE80A2**	263
450	15.0	5.3	6.3	1510	**A052_6.3 S2 ME2SA2**	263	**A052_6.3 P80 BE80A2**	263
521	12.9	5.8	5.5	1450	**A052_5.5 S2 ME2SA2**	263	**A052_5.5 P80 BE80A2**	263

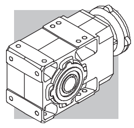
1.1 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
0.63	14914	0.9	1507	75000	**A904_1507 S3 ME3LA6**	304	**A904_1507 P100 BE100M6**	305
0.71	13103	1.1	1324	75000	**A904_1324 S3 ME3LA6**	304	**A904_1324 P100 BE100M6**	305
0.77	12094	1.2	1222	75000	**A904_1222 S3 ME3LA6**	304	**A904_1222 P100 BE100M6**	305
0.88	10751	1.3	1632	75000	**A904_1632 S3 ME3SA4**	304	**A904_1632 P90 BE90S4**	305
0.95	9924	1.4	1507	75000	**A904_1507 S3 ME3SA4**	304	**A904_1507 P90 BE90S4**	305
1.1	8825	0.9	1340	65000	**A804_1340 S3 ME3SA4**	301	**A804_1340 P90 BE90S4**	302
1.1	8720	1.6	1324	75000	**A904_1324 S3 ME3SA4**	304	**A904_1324 P90 BE90S4**	305
1.2	8146	1.0	1237	65000	**A804_1237 S3 ME3SA4**	301	**A804_1237 P90 BE90S4**	302
1.2	8049	1.7	1222	75000	**A904_1222 S3 ME3SA4**	304	**A904_1222 P90 BE90S4**	305
1.3	7314	1.9	1111	75000	**A904_1111 S3 ME3SA4**	304	**A904_1111 P90 BE90S4**	305
1.3	7145	1.1	1085	65000	**A804_1085 S3 ME3SA4**	301	**A804_1085 P90 BE90S4**	302
1.4	6752	2.1	1025	75000	**A904_1025 S3 ME3SA4**	304	**A904_1025 P90 BE90S4**	305
1.4	6595	1.2	1001	65000	**A804_1001 S3 ME3SA4**	301	**A804_1001 P90 BE90S4**	302
1.5	6172	2.3	937.2	75000	**A904_937.2 S3 ME3SA4**	304	**A904_937.2 P90 BE90S4**	305
1.6	5919	1.4	898.7	65000	**A804_898.7 S3 ME3SA4**	301	**A804_898.7 P90 BE90S4**	302
1.7	5697	2.5	865.1	75000	**A904_865.1 S3 ME3SA4**	304	**A904_865.1 P90 BE90S4**	305
1.7	5633	0.9	855.3	50000	**A704_855.3 S3 ME3SA4**	298	**A704_855.3 P90 BE90S4**	299
1.7	5463	1.5	829.5	65000	**A804_829.5 S3 ME3SA4**	301	**A804_829.5 P90 BE90S4**	302
1.9	5051	2.8	766.9	75000	**A904_766.9 S3 ME3SA4**	304	**A904_766.9 P90 BE90S4**	305
1.9	5031	1.0	763.9	50000	**A704_763.9 S3 ME3SA4**	298	**A704_763.9 P90 BE90S4**	299
1.9	5019	1.6	762.1	65000	**A804_762.1 S3 ME3SA4**	301	**A804_762.1 P90 BE90S4**	302
2.0	4662	3.0	707.9	75000	**A904_707.9 S3 ME3SA4**	304	**A904_707.9 P90 BE90S4**	305
2.0	4644	1.1	705.1	50000	**A704_705.1 S3 ME3SA4**	298	**A704_705.1 P90 BE90S4**	299
2.0	4633	1.7	703.5	65000	**A804_703.5 S3 ME3SA4**	301	**A804_703.5 P90 BE90S4**	302
2.2	4245	1.2	644.6	50000	**A704_644.6 S3 ME3SA4**	298	**A704_644.6 P90 BE90S4**	299
2.4	3999	2.0	607.2	65000	**A804_607.2 S3 ME3SA4**	301	**A804_607.2 P90 BE90S4**	302
2.4	3962	3.5	601.6	75000	**A904_601.6 S3 ME3SA4**	304	**A904_601.6 P90 BE90S4**	305
2.4	3919	1.3	595.0	50000	**A704_595.0 S3 ME3SA4**	298	**A704_595.0 P90 BE90S4**	299
2.6	3691	2.2	560.5	65000	**A804_560.5 S3 ME3SA4**	301	**A804_560.5 P90 BE90S4**	302
2.8	3394	1.5	515.4	50000	**A704_515.4 S3 ME3SA4**	298	**A704_515.4 P90 BE90S4**	299
3.0	3154	2.5	478.9	65000	**A804_478.9 S3 ME3SA4**	301	**A804_478.9 P90 BE90S4**	302
3.0	3133	1.6	475.8	50000	**A704_475.8 S3 ME3SA4**	298	**A704_475.8 P90 BE90S4**	299



1.1 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
3.2	2912	2.7	442.1	65000	**A804_442.1 S3 ME3SA4**	301	**A804_442.1 P90 BE90S4**	302
3.3	2887	1.0	438.4	30000	**A604_438.4 S3 ME3SA4**	294	**A604_438.4 P90 BE90S4**	295
3.5	2665	1.1	404.7	30000	**A604_404.7 S3 ME3SA4**	294	**A604_404.7 P90 BE90S4**	295
3.6	2635	1.9	400.2	50000	**A704_400.2 S3 ME3SA4**	298	**A704_400.2 P90 BE90S4**	299
3.7	2526	3.2	383.5	65000	**A804_383.5 S3 ME3SA4**	301	**A804_383.5 P90 BE90S4**	302
3.9	2433	2.1	369.4	50000	**A704_369.4 S3 ME3SA4**	298	**A704_369.4 P90 BE90S4**	299
4.0	2331	3.4	354.0	65000	**A804_354.0 S3 ME3SA4**	301	**A804_354.0 P90 BE90S4**	302
4.1	2313	1.2	351.2	30000	**A604_351.2 S3 ME3SA4**	294	**A604_351.2 P90 BE90S4**	295
4.4	2139	0.9	324.7	30000	**A554_324.7 S3 ME3SA4**	290	**A554_324.7 P90 BE90S4**	291
4.4	2135	1.3	324.2	30000	**A604_324.2 S3 ME3SA4**	294	**A604_324.2 P90 BE90S4**	295
4.5	2083	2.4	316.4	50000	**A704_316.4 S3 ME3SA4**	298	**A704_316.4 P90 BE90S4**	299
4.9	1923	2.6	292.0	50000	**A704_292.0 S3 ME3SA4**	298	**A704_292.0 P90 BE90S4**	299
5.0	1886	1.5	286.3	30000	**A604_286.3 S3 ME3SA4**	294	**A604_286.3 P90 BE90S4**	295
5.4	1741	1.6	264.3	30000	**A604_264.3 S3 ME3SA4**	294	**A604_264.3 P90 BE90S4**	295
5.4	1730	1.2	262.6	30000	**A554_262.6 S3 ME3SA4**	290	**A554_262.6 P90 BE90S4**	291
5.5	1718	0.9	260.9	20000	**A504_260.9 S3 ME3SA4**	286	**A504_260.9 P90 BE90S4**	287
6.0	1571	3.2	238.6	50000	**A704_238.6 S3 ME3SA4**	298	**A704_238.6 P90 BE90S4**	299
6.2	1528	1.0	232.0	20000	**A504_232.0 S3 ME3SA4**	286	**A504_232.0 P90 BE90S4**	287
6.3	1489	1.9	226.1	30000	**A604_226.1 S3 ME3SA4**	294	**A604_226.1 P90 BE90S4**	295
6.5	1451	3.4	220.3	50000	**A704_220.3 S3 ME3SA4**	298	**A704_220.3 P90 BE90S4**	299
6.8	1390	1.1	211.0	20000	**A504_211.0 S3 ME3SA4**	286	**A504_211.0 P90 BE90S4**	287
6.9	1375	2.0	208.7	30000	**A604_208.7 S3 ME3SA4**	294	**A604_208.7 P90 BE90S4**	295
6.9	1370	1.4	208.1	30000	**A554_208.1 S3 ME3SA4**	290	**A554_208.1 P90 BE90S4**	291
7.4	1308	1.5	194.2	30000	**A553_194.2 S3 ME3SA4**	290	**A553_194.2 P90 BE90S4**	291
7.5	1283	1.2	190.6	20000	**A503_190.6 S3 ME3SA4**	286	**A503_190.6 P90 BE90S4**	287
7.7	1251	2.2	185.8	30000	**A603_185.8 S3 ME3SA4**	294	**A603_185.8 P90 BE90S4**	295
8.2	1179	1.7	175.0	30000	**A553_175.0 S3 ME3SA4**	290	**A553_175.0 P90 BE90S4**	291
8.2	1167	1.3	173.4	20000	**A503_173.4 S3 ME3SA4**	286	**A503_173.4 P90 BE90S4**	287
8.3	1155	2.4	171.5	30000	**A603_171.5 S3 ME3SA4**	294	**A603_171.5 P90 BE90S4**	295
8.9	1080	1.9	160.4	30000	**A553_160.4 S3 ME3SA4**	290	**A553_160.4 P90 BE90S4**	291
9.2	1051	2.7	156.0	30000	**A603_156.0 S3 ME3SA4**	294	**A603_156.0 P90 BE90S4**	295
9.3	1041	1.4	154.6	20000	**A503_154.6 S3 ME3SA4**	286	**A503_154.6 P90 BE90S4**	287
9.7	989	2.0	146.8	30000	**A553_146.8 S3 ME3SA4**	290	**A553_146.8 P90 BE90S4**	291
9.9	970	2.9	144.0	30000	**A603_144.0 S3 ME3SA4**	294	**A603_144.0 P90 BE90S4**	295
10.2	947	1.6	140.6	20000	**A503_140.6 S3 ME3SA4**	286	**A503_140.6 P90 BE90S4**	287
10.7	898	3.1	133.3	30000	**A603_133.3 S3 ME3SA4**	294	**A603_133.3 P90 BE90S4**	295
10.8	894	2.2	132.7	30000	**A553_132.7 S3 ME3SA4**	290	**A553_132.7 P90 BE90S4**	291
11.0	873	1.7	129.7	20000	**A503_129.7 S3 ME3SA4**	286	**A503_129.7 P90 BE90S4**	287
11.5	834	2.4	123.9	30000	**A553_123.9 S3 ME3SA4**	290	**A553_123.9 P90 BE90S4**	291
11.6	828	3.4	123.0	30000	**A603_123.0 S3 ME3SA4**	294	**A603_123.0 P90 BE90S4**	295
12.1	794	1.9	118.0	20000	**A503_118.0 S3 ME3SA4**	286	**A503_118.0 P90 BE90S4**	287
12.3	780	1.1	115.9	15000	**A413_115.9 S3 ME3SA4**	282	**A413_115.9 P90 BE90S4**	283
13.1	737	2.0	109.4	20000	**A503_109.4 S3 ME3SA4**	286	**A503_109.4 P90 BE90S4**	287
14.1	683	2.9	101.4	30000	**A553_101.4 S3 ME3SA4**	290	**A553_101.4 P90 BE90S4**	291
14.4	670	2.2	99.5	20000	**A503_99.5 S3 ME3SA4**	286	**A503_99.5 P90 BE90S4**	287
15.4	625	1.3	92.8	15000	**A413_92.8 S3 ME3SA4**	282	**A413_92.8 P90 BE90S4**	283
16.0	603	2.5	89.5	20000	**A503_89.5 S3 ME3SA4**	286	**A503_89.5 P90 BE90S4**	287
17.3	574	1.0	82.5	12000	**A352_82.5 S3 ME3SA4**	278	**A352_82.5 P90 BE90S4**	279
17.6	548	2.7	81.5	20000	**A503_81.5 S3 ME3SA4**	286	**A503_81.5 P90 BE90S4**	287
18.0	551	1.5	79.2	15000	**A412_79.2 S3 ME3SA4**	282	**A412_79.2 P90 BE90S4**	283
19.3	517	1.2	74.3	12000	**A352_74.3 S3 ME3SA4**	278	**A352_74.3 P90 BE90S4**	279
20.1	496	1.7	71.3	15000	**A412_71.3 S3 ME3SA4**	282	**A412_71.3 P90 BE90S4**	283
20.4	473	3.2	70.2	20000	**A503_70.2 S3 ME3SA4**	286	**A503_70.2 P90 BE90S4**	287
21.7	458	1.3	65.8	12000	**A352_65.8 S3 ME3SA4**	278	**A352_65.8 P90 BE90S4**	279
22.3	446	1.9	64.2	15000	**A412_64.2 S3 ME3SA4**	282	**A412_64.2 P90 BE90S4**	283
22.4	430	3.5	63.9	20000	**A503_63.9 S3 ME3SA4**	286	**A503_63.9 P90 BE90S4**	287
23.7	420	1.4	60.4	12000	**A352_60.4 S3 ME3SA4**	278	**A352_60.4 P90 BE90S4**	279
24.1	413	1.0	59.4	7420	**A302_59.4 S3 ME3SA4**	274	**A302_59.4 P90 BE90S4**	275
24.3	409	2.1	58.8	15000	**A412_58.8 S3 ME3SA4**	282	**A412_58.8 P90 BE90S4**	283
26.3	378	1.6	54.3	12000	**A352_54.3 S3 ME3SA4**	278	**A352_54.3 P90 BE90S4**	279
26.9	370	2.3	53.1	15000	**A412_53.1 S3 ME3SA4**	282	**A412_53.1 P90 BE90S4**	283
27.1	366	1.1	52.7	7310	**A302_52.7 S3 ME3SA4**	274	**A302_52.7 P90 BE90S4**	275
29.1	341	1.8	49.1	11800	**A352_49.1 S3 ME3SA4**	278	**A352_49.1 P90 BE90S4**	279
29.6	336	1.2	48.3	7220	**A302_48.3 S3 ME3SA4**	274	**A302_48.3 P90 BE90S4**	275
29.6	336	2.5	48.3	15000	**A412_48.3 S3 ME3SA4**	282	**A412_48.3 P90 BE90S4**	283



1.1 kW

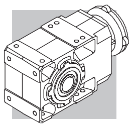
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
31	319	1.9	45.8	11700	A352_45.8 S3 ME3SA4	278	A352_45.8 P90 BE90S4	279
32	313	2.6	45.1	15000	A412_45.1 S3 ME3SA4	282	A412_45.1 P90 BE90S4	283
33	302	1.4	43.4	7100	A302_43.4 S3 ME3SA4	274	A302_43.4 P90 BE90S4	275
34	291	2.1	41.8	11400	A352_41.8 S3 ME3SA4	278	A352_41.8 P90 BE90S4	279
36	276	0.9	39.6	4500	A202_39.6 S3 ME3SA4	270	A202_39.6 P90 BE90S4	271
36	273	1.5	39.3	6970	A302_39.3 S3 ME3SA4	274	A302_39.3 P90 BE90S4	275
39	255	1.6	36.6	6880	A302_36.6 S3 ME3SA4	274	A302_36.6 P90 BE90S4	275
39	255	2.4	36.6	11100	A352_36.6 S3 ME3SA4	278	A352_36.6 P90 BE90S4	279
40	250	3.1	35.9	14300	A412_35.9 S3 ME3SA4	282	A412_35.9 P90 BE90S4	283
40	246	1.0	35.4	4380	A202_35.4 S3 ME3SA4	270	A202_35.4 P90 BE90S4	271
43	233	1.8	33.4	6760	A302_33.4 S3 ME3SA4	274	A302_33.4 P90 BE90S4	275
43	231	2.6	33.2	10800	A352_33.2 S3 ME3SA4	278	A352_33.2 P90 BE90S4	279
46	218	1.1	31.3	4320	A202_31.3 S3 ME3SA4	270	A202_31.3 P90 BE90S4	271
49	204	2.0	29.3	6580	A302_29.3 S3 ME3SA4	274	A302_29.3 P90 BE90S4	275
49	203	1.2	29.2	4290	A202_29.2 S3 ME3SA4	270	A202_29.2 P90 BE90S4	271
50	198	3.0	28.4	10400	A352_28.4 S3 ME3SA4	278	A352_28.4 P90 BE90S4	279
54	185	2.2	26.5	6440	A302_26.5 S3 ME3SA4	274	A302_26.5 P90 BE90S4	275
54	184	1.4	26.5	4230	A202_26.5 S3 ME3SA4	270	A202_26.5 P90 BE90S4	271
56	179	3.4	25.7	10100	A352_25.7 S3 ME3SA4	278	A352_25.7 P90 BE90S4	279
60	165	0.9	23.8	3640	A102_23.8 S3 ME3SA4	266	A102_23.8 P90 BE90S4	267
62	161	1.6	23.1	4140	A202_23.1 S3 ME3SA4	270	A202_23.1 P90 BE90S4	271
63	158	2.6	22.8	6220	A302_22.8 S3 ME3SA4	274	A302_22.8 P90 BE90S4	275
67	149	1.0	21.4	4280	A102_21.4 S3 ME3SA4	266	A102_21.4 P90 BE90S4	267
67	148	1.7	21.2	4080	A202_21.2 S3 ME3SA4	270	A202_21.2 P90 BE90S4	271
70	143	2.9	20.5	6070	A302_20.5 S3 ME3SA4	274	A302_20.5 P90 BE90S4	275
77	129	1.2	18.6	3540	A102_18.6 S3 ME3SA4	266	A102_18.6 P90 BE90S4	267
79	126	2.0	18.1	3970	A202_18.1 S3 ME3SA4	270	A202_18.1 P90 BE90S4	271
80	125	3.2	18.0	5880	A302_18.0 S3 ME3SA4	274	A302_18.0 P90 BE90S4	275
87	114	1.3	16.4	4130	A102_16.4 S3 ME3SA4	266	A102_16.4 P90 BE90S4	267
88	114	3.4	16.3	5740	A302_16.3 S3 ME3SA4	274	A302_16.3 P90 BE90S4	275
88	112	2.2	16.2	3880	A202_16.2 S3 ME3SA4	270	A202_16.2 P90 BE90S4	271
102	98	2.5	14.1	3770	A202_14.1 S3 ME3SA4	270	A202_14.1 P90 BE90S4	271
103	97	1.5	13.9	3380	A102_13.9 S3 ME3SA4	266	A102_13.9 P90 BE90S4	267
116	86	1.6	12.3	3300	A102_12.3 S3 ME3SA4	266	A102_12.3 P90 BE90S4	267
120	83	2.5	12.0	3620	A202_12.0 S3 ME3SA4	270	A202_12.0 P90 BE90S4	271
135	73	2.0	10.6	3210	A102_10.6 S3 ME3SA4	266	A102_10.6 P90 BE90S4	267
138	72	3.1	10.3	3510	A202_10.3 S3 ME3SA4	270	A202_10.3 P90 BE90S4	271
149	67	2.1	9.6	3140	A102_9.6 S3 ME3SA4	266	A102_9.6 P90 BE90S4	267
153	65	3.2	9.4	3420	A202_9.4 S3 ME3SA4	270	A202_9.4 P90 BE90S4	271
168	59	2.4	8.5	3630	A102_8.5 S3 ME3SA4	266	A102_8.5 P90 BE90S4	267
198	50	2.8	7.2	2940	A102_7.2 S3 ME3SA4	266	A102_7.2 P90 BE90S4	267
226	44	3.2	6.3	3390	A102_6.3 S3 ME3SA4	266	A102_6.3 P90 BE90S4	267
230	43	3.3	12.3	2830	A102_12.3 S2 ME2SB2	266	A102_12.3 P90 BE90B2	267
294	34	2.8	9.6	1600	A052_9.6 S2 ME2SB2	263	A052_9.6 P90 BE90B2	263
332	30	3.0	8.5	1560	A052_8.5 S2 ME2SB2	263	A052_8.5 P90 BE90B2	263
392	25	3.4	7.2	1500	A052_7.2 S2 ME2SB2	263	A052_7.2 P90 BE90B2	263
447	22	3.6	6.3	1450	A052_6.3 S2 ME2SB2	263	A052_6.3 P90 BE90B2	263
518	19.1	3.9	5.5	1400	A052_5.5 S2 ME2SB2	263	A052_5.5 P90 BE90B2	263

1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
0.88	14528	1.0	1632	75000	A904_1632 S3 ME3SB4	304	A904_1632 P90 BE90LA4	305
0.95	13410	1.0	1507	75000	A904_1507 S3 ME3SB4	304	A904_1507 P90 BE90LA4	305
1.1	11784	1.2	1324	75000	A904_1324 S3 ME3SB4	304	A904_1324 P90 BE90LA4	305
1.2	10877	1.3	1222	75000	A904_1222 S3 ME3SB4	304	A904_1222 P90 BE90LA4	305
1.3	9884	1.4	1111	75000	A904_1111 S3 ME3SB4	304	A904_1111 P90 BE90LA4	305
1.4	9124	1.5	1025	75000	A904_1025 S3 ME3SB4	304	A904_1025 P90 BE90LA4	305
1.4	8913	0.9	1001	65000	A804_1001 S3 ME3SB4	301	A804_1001 P90 BE90LA4	302
1.5	8341	1.7	937.2	75000	A904_937.2 S3 ME3SB4	304	A904_937.2 P90 BE90LA4	305

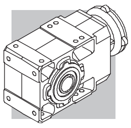
1.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
1.6	7998	1.0	898.7	65000	**A804_898.7 S3 ME3SB4**	301	**A804_898.7 P90 BE90LA4**	302
1.7	7699	1.8	865.1	75000	**A904_865.1 S3 ME3SB4**	304	**A904_865.1 P90 BE90LA4**	305
1.7	7383	1.1	829.5	65000	**A804_829.5 S3 ME3SB4**	301	**A804_829.5 P90 BE90LA4**	302
1.9	6826	2.1	766.9	75000	**A904_766.9 S3 ME3SB4**	304	**A904_766.9 P90 BE90LA4**	305
1.9	6783	1.2	762.1	65000	**A804_762.1 S3 ME3SB4**	301	**A804_762.1 P90 BE90LA4**	302
2.0	6300	2.2	707.9	75000	**A904_707.9 S3 ME3SB4**	304	**A904_707.9 P90 BE90LA4**	305
2.0	6261	1.3	703.5	65000	**A804_703.5 S3 ME3SB4**	301	**A804_703.5 P90 BE90LA4**	302
2.2	5737	0.9	644.6	50000	**A704_644.6 S3 ME3SB4**	298	**A704_644.6 P90 BE90LA4**	299
2.4	5404	1.5	607.2	65000	**A804_607.2 S3 ME3SB4**	301	**A804_607.2 P90 BE90LA4**	302
2.4	5354	2.6	601.6	75000	**A904_601.6 S3 ME3SB4**	304	**A904_601.6 P90 BE90LA4**	305
2.4	5296	0.9	595.0	50000	**A704_595.0 S3 ME3SB4**	298	**A704_595.0 P90 BE90LA4**	299
2.6	4988	1.6	560.5	65000	**A804_560.5 S3 ME3SB4**	301	**A804_560.5 P90 BE90LA4**	302
2.6	4942	2.8	555.3	75000	**A904_555.3 S3 ME3SB4**	304	**A904_555.3 P90 BE90LA4**	305
2.8	4587	1.1	515.4	50000	**A704_515.4 S3 ME3SB4**	298	**A704_515.4 P90 BE90LA4**	299
2.9	4331	3.2	486.6	75000	**A904_486.6 S3 ME3SB4**	304	**A904_486.6 P90 BE90LA4**	305
3.0	4262	1.9	478.9	65000	**A804_478.9 S3 ME3SB4**	301	**A804_478.9 P90 BE90LA4**	302
3.0	4234	1.2	475.8	50000	**A704_475.8 S3 ME3SB4**	298	**A704_475.8 P90 BE90LA4**	299
3.2	3998	3.5	449.2	75000	**A904_449.2 S3 ME3SB4**	304	**A904_449.2 P90 BE90LA4**	305
3.2	3935	2.0	442.1	65000	**A804_442.1 S3 ME3SB4**	301	**A804_442.1 P90 BE90LA4**	302
3.6	3561	1.4	400.2	50000	**A704_400.2 S3 ME3SB4**	298	**A704_400.2 P90 BE90LA4**	299
3.7	3413	2.3	383.5	65000	**A804_383.5 S3 ME3SB4**	301	**A804_383.5 P90 BE90LA4**	302
3.9	3288	1.5	369.4	50000	**A704_369.4 S3 ME3SB4**	298	**A704_369.4 P90 BE90LA4**	299
4.0	3150	2.5	354.0	65000	**A804_354.0 S3 ME3SB4**	301	**A804_354.0 P90 BE90LA4**	302
4.1	3126	0.9	351.2	30000	**A604_351.2 S3 ME3SB4**	294	**A604_351.2 P90 BE90LA4**	295
4.4	2885	1.0	324.2	30000	**A604_324.2 S3 ME3SB4**	294	**A604_324.2 P90 BE90LA4**	295
4.5	2816	1.8	316.4	50000	**A704_316.4 S3 ME3SB4**	298	**A704_316.4 P90 BE90LA4**	299
4.8	2673	3.0	300.4	65000	**A804_300.4 S3 ME3SB4**	301	**A804_300.4 P90 BE90LA4**	302
4.9	2599	1.9	292.0	50000	**A704_292.0 S3 ME3SB4**	298	**A704_292.0 P90 BE90LA4**	299
5.0	2548	1.1	286.3	30000	**A604_286.3 S3 ME3SB4**	294	**A604_286.3 P90 BE90LA4**	295
5.2	2468	3.2	277.3	65000	**A804_277.3 S3 ME3SB4**	301	**A804_277.3 P90 BE90LA4**	302
5.4	2352	1.2	264.3	30000	**A604_264.3 S3 ME3SB4**	294	**A604_264.3 P90 BE90LA4**	295
6.0	2124	2.4	238.6	50000	**A704_238.6 S3 ME3SB4**	298	**A704_238.6 P90 BE90LA4**	299
6.3	2013	1.4	226.1	30000	**A604_226.1 S3 ME3SB4**	294	**A604_226.1 P90 BE90LA4**	295
6.5	1960	2.6	220.3	50000	**A704_220.3 S3 ME3SB4**	298	**A704_220.3 P90 BE90LA4**	299
6.9	1858	1.5	208.7	30000	**A604_208.7 S3 ME3SB4**	294	**A604_208.7 P90 BE90LA4**	295
6.9	1852	1.1	208.1	30000	**A554_208.1 S3 ME3SB4**	290	**A554_208.1 P90 BE90LA4**	291
7.4	1767	1.1	194.2	30000	**A553_194.2 S3 ME3SB4**	290	**A553_194.2 P90 BE90LA4**	291
7.7	1690	1.7	185.8	30000	**A603_185.8 S3 ME3SB4**	294	**A603_185.8 P90 BE90LA4**	295
7.8	1637	3.1	183.9	50000	**A704_183.9 S3 ME3SB4**	298	**A704_183.9 P90 BE90LA4**	299
8.2	1593	1.3	175.0	30000	**A553_175.0 S3 ME3SB4**	290	**A553_175.0 P90 BE90LA4**	291
8.2	1578	1.0	173.4	20000	**A503_173.4 S3 ME3SB4**	286	**A503_173.4 P90 BE90LA4**	287
8.3	1560	1.8	171.5	30000	**A603_171.5 S3 ME3SB4**	294	**A603_171.5 P90 BE90LA4**	295
8.4	1511	3.3	169.8	50000	**A704_169.8 S3 ME3SB4**	298	**A704_169.8 P90 BE90LA4**	299
8.9	1460	1.4	160.4	30000	**A553_160.4 S3 ME3SB4**	290	**A553_160.4 P90 BE90LA4**	291
9.2	1420	2.0	156.0	30000	**A603_156.0 S3 ME3SB4**	294	**A603_156.0 P90 BE90LA4**	295
9.3	1407	1.1	154.6	20000	**A503_154.6 S3 ME3SB4**	286	**A503_154.6 P90 BE90LA4**	287
9.3	1399	2.9	153.7	50000	**A703_153.7 S3 ME3SB4**	298	**A703_153.7 P90 BE90LA4**	299
9.7	1336	1.5	146.8	30000	**A553_146.8 S3 ME3SB4**	290	**A553_146.8 P90 BE90LA4**	291
9.9	1311	2.1	144.0	30000	**A603_144.0 S3 ME3SB4**	294	**A603_144.0 P90 BE90LA4**	295
10.2	1280	1.2	140.6	20000	**A503_140.6 S3 ME3SB4**	286	**A503_140.6 P90 BE90LA4**	287
10.7	1213	2.3	133.3	30000	**A603_133.3 S3 ME3SB4**	294	**A603_133.3 P90 BE90LA4**	295
10.8	1208	1.7	132.7	30000	**A553_132.7 S3 ME3SB4**	290	**A553_132.7 P90 BE90LA4**	291
11.0	1180	1.3	129.7	20000	**A503_129.7 S3 ME3SB4**	286	**A503_129.7 P90 BE90LA4**	287
11.5	1127	1.8	123.9	30000	**A553_123.9 S3 ME3SB4**	290	**A553_123.9 P90 BE90LA4**	291
11.6	1120	2.5	123.0	30000	**A603_123.0 S3 ME3SB4**	294	**A603_123.0 P90 BE90LA4**	295
12.1	1073	1.4	118.0	20000	**A503_118.0 S3 ME3SB4**	286	**A503_118.0 P90 BE90LA4**	287
13.1	996	1.5	109.4	20000	**A503_109.4 S3 ME3SB4**	286	**A503_109.4 P90 BE90LA4**	287
13.3	981	2.9	107.8	30000	**A603_107.8 S3 ME3SB4**	294	**A603_107.8 P90 BE90LA4**	295
14.1	923	2.2	101.4	30000	**A553_101.4 S3 ME3SB4**	290	**A553_101.4 P90 BE90LA4**	291
14.4	906	1.7	99.5	20000	**A503_99.5 S3 ME3SB4**	286	**A503_99.5 P90 BE90LA4**	287
14.4	906	3.1	99.5	30000	**A603_99.5 S3 ME3SB4**	294	**A603_99.5 P90 BE90LA4**	295
15.4	844	0.9	92.8	15000	**A413_92.8 S3 ME3SB4**	282	**A413_92.8 P90 BE90LA4**	283
16.0	815	1.8	89.5	20000	**A503_89.5 S3 ME3SB4**	286	**A503_89.5 P90 BE90LA4**	287
16.6	786	3.6	86.4	30000	**A603_86.4 S3 ME3SB4**	294	**A603_86.4 P90 BE90LA4**	295
17.6	741	2.0	81.5	20000	**A503_81.5 S3 ME3SB4**	286	**A503_81.5 P90 BE90LA4**	287
18.0	724	2.8	79.5	30000	**A553_79.5 S3 ME3SB4**	290	**A553_79.5 P90 BE90LA4**	291
18.0	745	1.1	79.2	15000	**A412_79.2 S3 ME3SB4**	282	**A412_79.2 P90 BE90LA4**	283



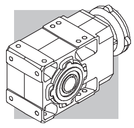
1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
20.1	670	1.3	71.3	15000	**A412_71.3 S3 ME3SB4**	282	**A412_71.3 P90 BE90LA4**	283
20.4	639	2.3	70.2	20000	**A503_70.2 S3 ME3SB4**	286	**A503_70.2 P90 BE90LA4**	287
21.7	619	1.0	65.8	11600	**A352_65.8 S3 ME3SB4**	278	**A352_65.8 P90 BE90LA4**	279
22.2	585	3.4	64.3	30000	**A553_64.3 S3 ME3SB4**	290	**A553_64.3 P90 BE90LA4**	291
22.3	603	1.4	64.2	15000	**A412_64.2 S3 ME3SB4**	282	**A412_64.2 P90 BE90LA4**	283
22.4	581	2.6	63.9	20000	**A503_63.9 S3 ME3SB4**	286	**A503_63.9 P90 BE90LA4**	287
23.7	567	1.1	60.4	11500	**A352_60.4 S3 ME3SB4**	278	**A352_60.4 P90 BE90LA4**	279
24.3	553	1.5	58.8	15000	**A412_58.8 S3 ME3SB4**	282	**A412_58.8 P90 BE90LA4**	283
25.2	517	2.9	56.8	20000	**A503_56.8 S3 ME3SB4**	286	**A503_56.8 P90 BE90LA4**	287
26.3	510	1.2	54.3	11300	**A352_54.3 S3 ME3SB4**	278	**A352_54.3 P90 BE90LA4**	279
26.9	500	1.7	53.1	15000	**A412_53.1 S3 ME3SB4**	282	**A412_53.1 P90 BE90LA4**	283
27.7	470	3.2	51.7	19700	**A503_51.7 S3 ME3SB4**	286	**A503_51.7 P90 BE90LA4**	287
29.1	461	1.3	49.1	11100	**A352_49.1 S3 ME3SB4**	278	**A352_49.1 P90 BE90LA4**	279
29.6	454	0.9	48.3	6680	**A302_48.3 S3 ME3SB4**	274	**A302_48.3 P90 BE90LA4**	275
29.6	454	1.9	48.3	14900	**A412_48.3 S3 ME3SB4**	282	**A412_48.3 P90 BE90LA4**	283
31	431	1.4	45.8	11000	**A352_45.8 S3 ME3SB4**	278	**A352_45.8 P90 BE90LA4**	279
32	424	2.0	45.1	14600	**A412_45.1 S3 ME3SB4**	282	**A412_45.1 P90 BE90LA4**	283
33	408	1.0	43.4	6450	**A302_43.4 S3 ME3SB4**	274	**A302_43.4 P90 BE90LA4**	275
34	393	1.5	41.8	10800	**A352_41.8 S3 ME3SB4**	278	**A352_41.8 P90 BE90LA4**	279
36	369	1.1	39.3	6380	**A302_39.3 S3 ME3SB4**	274	**A302_39.3 P90 BE90LA4**	275
39	344	1.2	36.6	6330	**A302_36.6 S3 ME3SB4**	274	**A302_36.6 P90 BE90LA4**	275
39	344	1.7	36.6	10500	**A352_36.6 S3 ME3SB4**	278	**A352_36.6 P90 BE90LA4**	279
40	338	2.3	35.9	13800	**A412_35.9 S3 ME3SB4**	282	**A412_35.9 P90 BE90LA4**	283
43	314	1.3	33.4	6260	**A302_33.4 S3 ME3SB4**	274	**A302_33.4 P90 BE90LA4**	275
43	312	1.9	33.2	10300	**A352_33.2 S3 ME3SB4**	278	**A352_33.2 P90 BE90LA4**	279
49	275	1.5	29.3	6140	**A302_29.3 S3 ME3SB4**	274	**A302_29.3 P90 BE90LA4**	275
49	275	0.9	29.2	3820	**A202_29.2 S3 ME3SB4**	270	**A202_29.2 P90 BE90LA4**	271
50	267	2.2	28.4	9940	**A352_28.4 S3 ME3SB4**	278	**A352_28.4 P90 BE90LA4**	279
50	266	2.7	28.3	13000	**A412_28.3 S3 ME3SB4**	282	**A412_28.3 P90 BE90LA4**	283
54	249	1.6	26.5	6040	**A302_26.5 S3 ME3SB4**	274	**A302_26.5 P90 BE90LA4**	275
54	249	1.0	26.5	3790	**A202_26.5 S3 ME3SB4**	270	**A202_26.5 P90 BE90LA4**	271
56	241	2.5	25.7	9710	**A352_25.7 S3 ME3SB4**	278	**A352_25.7 P90 BE90LA4**	279
62	217	1.2	23.1	3760	**A202_23.1 S3 ME3SB4**	270	**A202_23.1 P90 BE90LA4**	271
63	214	1.9	22.8	5870	**A302_22.8 S3 ME3SB4**	274	**A302_22.8 P90 BE90LA4**	275
63	213	3.2	22.7	12200	**A412_22.7 S3 ME3SB4**	282	**A412_22.7 P90 BE90LA4**	283
64	211	2.8	22.5	9400	**A352_22.5 S3 ME3SB4**	278	**A352_22.5 P90 BE90LA4**	279
67	200	1.3	21.2	3730	**A202_21.2 S3 ME3SB4**	270	**A202_21.2 P90 BE90LA4**	271
70	193	2.1	20.5	5760	**A302_20.5 S3 ME3SB4**	274	**A302_20.5 P90 BE90LA4**	275
70	192	3.1	20.4	9170	**A352_20.4 S3 ME3SB4**	278	**A352_20.4 P90 BE90LA4**	279
79	170	1.5	18.1	3660	**A202_18.1 S3 ME3SB4**	270	**A202_18.1 P90 BE90LA4**	271
80	169	2.4	18.0	5600	**A302_18.0 S3 ME3SB4**	274	**A302_18.0 P90 BE90LA4**	275
87	155	1.0	16.4	3720	**A102_16.4 S3 ME3SB4**	266	**A102_16.4 P90 BE90LA4**	267
88	154	2.5	16.3	5480	**A302_16.3 S3 ME3SB4**	274	**A302_16.3 P90 BE90LA4**	275
88	152	1.6	16.2	3600	**A202_16.2 S3 ME3SB4**	270	**A202_16.2 P90 BE90LA4**	271
102	132	1.9	14.1	3530	**A202_14.1 S3 ME3SB4**	270	**A202_14.1 P90 BE90LA4**	271
103	131	1.1	13.9	3090	**A102_13.9 S3 ME3SB4**	266	**A102_13.9 P90 BE90LA4**	267
105	128	2.9	13.6	5250	**A302_13.6 S3 ME3SB4**	274	**A302_13.6 P90 BE90LA4**	275
116	116	1.2	12.3	3040	**A102_12.3 S3 ME3SB4**	266	**A102_12.3 P90 BE90LA4**	267
120	112	1.9	12.0	3420	**A202_12.0 S3 ME3SB4**	270	**A202_12.0 P90 BE90LA4**	271
121	111	2.7	11.8	5060	**A302_11.8 S3 ME3SB4**	274	**A302_11.8 P90 BE90LA4**	275
125	107	3.3	22.8	5040	**A302_22.8 S3 ME3SA2**	274	**A302_22.8 P90 BE90SA2**	275
135	99	1.5	10.6	2990	**A102_10.6 S3 ME3SB4**	266	**A102_10.6 P90 BE90LA4**	267
137	98	3.5	10.5	4930	**A302_10.5 S3 ME3SB4**	274	**A302_10.5 P90 BE90LA4**	275
138	97	2.3	10.3	3330	**A202_10.3 S3 ME3SB4**	270	**A202_10.3 P90 BE90LA4**	271
149	90	1.5	9.6	2940	**A102_9.6 S3 ME3SB4**	266	**A102_9.6 P90 BE90LA4**	267
153	88	2.4	9.4	3250	**A202_9.4 S3 ME3SB4**	270	**A202_9.4 P90 BE90LA4**	271
154	88	3.4	9.3	4770	**A302_9.3 S3 ME3SB4**	274	**A302_9.3 P90 BE90LA4**	275
168	80	1.7	8.5	3420	**A102_8.5 S3 ME3SB4**	266	**A102_8.5 P90 BE90LA4**	267
171	79	2.7	8.4	3180	**A202_8.4 S3 ME3SB4**	270	**A202_8.4 P90 BE90LA4**	271
196	69	3.1	7.3	3080	**A202_7.3 S3 ME3SB4**	270	**A202_7.3 P90 BE90LA4**	271
198	68	2.1	7.2	2790	**A102_7.2 S3 ME3SB4**	266	**A102_7.2 P90 BE90LA4**	267
219	61	3.4	6.5	3000	**A202_6.5 S3 ME3SB4**	270	**A202_6.5 P90 BE90LA4**	271
226	60	2.4	6.3	3220	**A102_6.3 S3 ME3SB4**	266	**A102_6.3 P90 BE90LA4**	267
262	51	2.7	5.5	2630	**A102_5.5 S3 ME3SB4**	266	**A102_5.5 P90 BE90LA4**	267
297	45	3.1	9.6	2560	**A102_9.6 S3 ME3SA2**	266	**A102_9.6 P90 BE90SA2**	267
335	40	3.5	8.5	2950	**A102_8.5 S3 ME3SA2**	266	**A102_8.5 P90 BE90SA2**	267



2.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
1.2	15990	0.9	1222	75000	**A904_1222 S3 ME3LA4**	304	**A904_1222 P100 BE100LA4**	305
1.3	14530	1.0	1111	75000	**A904_1111 S3 ME3LA4**	304	**A904_1111 P100 BE100LA4**	305
1.4	13412	1.0	1025	75000	**A904_1025 S3 ME3LA4**	304	**A904_1025 P100 BE100LA4**	305
1.5	12261	1.1	937.2	75000	**A904_937.2 S3 ME3LA4**	304	**A904_937.2 P100 BE100LA4**	305
1.7	11318	1.2	865.1	75000	**A904_865.1 S3 ME3LA4**	304	**A904_865.1 P100 BE100LA4**	305
1.9	10034	1.4	766.9	75000	**A904_766.9 S3 ME3LA4**	304	**A904_766.9 P100 BE100LA4**	305
2.0	9262	1.5	707.9	75000	**A904_707.9 S3 ME3LA4**	304	**A904_707.9 P100 BE100LA4**	305
2.0	9203	0.9	703.5	65000	**A804_703.5 S3 ME3LA4**	301	**A804_703.5 P100 BE100LA4**	302
2.4	7943	1.0	607.2	65000	**A804_607.2 S3 ME3LA4**	301	**A804_607.2 P100 BE100LA4**	302
2.4	7870	1.8	601.6	75000	**A904_601.6 S3 ME3LA4**	304	**A904_601.6 P100 BE100LA4**	305
2.6	7332	1.1	560.5	65000	**A804_560.5 S3 ME3LA4**	301	**A804_560.5 P100 BE100LA4**	302
2.6	7265	1.9	555.3	75000	**A904_555.3 S3 ME3LA4**	304	**A904_555.3 P100 BE100LA4**	305
2.9	6366	2.2	486.6	75000	**A904_486.6 S3 ME3LA4**	304	**A904_486.6 P100 BE100LA4**	305
3.0	6266	1.3	478.9	65000	**A804_478.9 S3 ME3LA4**	301	**A804_478.9 P100 BE100LA4**	302
3.2	5876	2.4	449.2	75000	**A904_449.2 S3 ME3LA4**	304	**A904_449.2 P100 BE100LA4**	305
3.2	5784	1.4	442.1	65000	**A804_442.1 S3 ME3LA4**	301	**A804_442.1 P100 BE100LA4**	302
3.6	5235	1.0	400.2	50000	**A704_400.2 S3 ME3LA4**	298	**A704_400.2 P100 BE100LA4**	299
3.7	5043	2.8	385.4	75000	**A904_385.4 S3 ME3LA4**	304	**A904_385.4 P100 BE100LA4**	305
3.7	5017	1.6	383.5	65000	**A804_383.5 S3 ME3LA4**	301	**A804_383.5 P100 BE100LA4**	302
3.9	4833	1.0	369.4	50000	**A704_369.4 S3 ME3LA4**	298	**A704_369.4 P100 BE100LA4**	299
4.0	4655	3.0	355.8	75000	**A904_355.8 S3 ME3LA4**	304	**A904_355.8 P100 BE100LA4**	305
4.0	4631	1.7	354.0	65000	**A804_354.0 S3 ME3LA4**	301	**A804_354.0 P100 BE100LA4**	302
4.5	4139	1.2	316.4	50000	**A704_316.4 S3 ME3LA4**	298	**A704_316.4 P100 BE100LA4**	299
4.7	3989	3.5	304.9	75000	**A904_304.9 S3 ME3LA4**	304	**A904_304.9 P100 BE100LA4**	305
4.8	3930	2.0	300.4	65000	**A804_300.4 S3 ME3LA4**	301	**A804_300.4 P100 BE100LA4**	302
4.9	3820	1.3	292.0	50000	**A704_292.0 S3 ME3LA4**	298	**A704_292.0 P100 BE100LA4**	299
5.2	3628	2.2	277.3	65000	**A804_277.3 S3 ME3LA4**	301	**A804_277.3 P100 BE100LA4**	302
6.0	3122	1.6	238.6	50000	**A704_238.6 S3 ME3LA4**	298	**A704_238.6 P100 BE100LA4**	299
6.1	3043	2.6	232.6	65000	**A804_232.6 S3 ME3LA4**	301	**A804_232.6 P100 BE100LA4**	302
6.3	2958	0.9	226.1	30000	**A604_226.1 S3 ME3LA4**	294	**A604_226.1 P100 BE100LA4**	295
6.5	2882	1.7	220.3	50000	**A704_220.3 S3 ME3LA4**	298	**A704_220.3 P100 BE100LA4**	299
6.7	2809	2.8	214.7	65000	**A804_214.7 S3 ME3LA4**	301	**A804_214.7 P100 BE100LA4**	302
6.9	2731	1.0	208.7	30000	**A604_208.7 S3 ME3LA4**	294	**A604_208.7 P100 BE100LA4**	295
7.7	2485	1.1	185.8	30000	**A603_185.8 S3 ME3LA4**	294	**A603_185.8 P100 BE100LA4**	295
7.8	2406	2.1	183.9	50000	**A704_183.9 S3 ME3LA4**	298	**A704_183.9 P100 BE100LA4**	299
8.3	2294	1.2	171.5	30000	**A603_171.5 S3 ME3LA4**	294	**A603_171.5 P100 BE100LA4**	295
8.3	2241	3.6	171.3	65000	**A804_171.3 S3 ME3LA4**	301	**A804_171.3 P100 BE100LA4**	302
8.4	2221	2.3	169.8	50000	**A704_169.8 S3 ME3LA4**	298	**A704_169.8 P100 BE100LA4**	299
8.9	2146	0.9	160.4	30000	**A553_160.4 S3 ME3LA4**	290	**A553_160.4 P100 BE100LA4**	291
9.2	2087	1.3	156.0	30000	**A603_156.0 S3 ME3LA4**	294	**A603_156.0 P100 BE100LA4**	295
9.3	2056	2.0	153.7	50000	**A703_153.7 S3 ME3LA4**	298	**A703_153.7 P100 BE100LA4**	299
9.7	1964	1.0	146.8	30000	**A553_146.8 S3 ME3LA4**	290	**A553_146.8 P100 BE100LA4**	291
9.9	1927	1.5	144.0	30000	**A603_144.0 S3 ME3LA4**	294	**A603_144.0 P100 BE100LA4**	295
10.1	1898	2.6	141.9	50000	**A703_141.9 S3 ME3LA4**	298	**A703_141.9 P100 BE100LA4**	299
10.7	1783	1.6	133.3	30000	**A603_133.3 S3 ME3LA4**	294	**A603_133.3 P100 BE100LA4**	295
10.8	1776	1.1	132.7	30000	**A553_132.7 S3 ME3LA4**	290	**A553_132.7 P100 BE100LA4**	291
10.9	1748	2.9	130.7	50000	**A703_130.7 S3 ME3LA4**	298	**A703_130.7 P100 BE100LA4**	299
11.5	1657	1.2	123.9	30000	**A553_123.9 S3 ME3LA4**	290	**A553_123.9 P100 BE100LA4**	291
11.6	1646	1.7	123.0	30000	**A603_123.0 S3 ME3LA4**	294	**A603_123.0 P100 BE100LA4**	295
11.9	1613	3.1	120.6	50000	**A703_120.6 S3 ME3LA4**	298	**A703_120.6 P100 BE100LA4**	299
12.1	1578	1.0	118.0	20000	**A503_118.0 S3 ME3LA4**	286	**A503_118.0 P100 BE100LA4**	287
13.1	1464	1.0	109.4	20000	**A503_109.4 S3 ME3LA4**	286	**A503_109.4 P100 BE100LA4**	287
13.3	1442	1.9	107.8	30000	**A603_107.8 S3 ME3LA4**	294	**A603_107.8 P100 BE100LA4**	295
13.7	1394	3.6	104.2	50000	**A703_104.2 S3 ME3LA4**	298	**A703_104.2 P100 BE100LA4**	299
14.1	1356	1.5	101.4	30000	**A553_101.4 S3 ME3LA4**	290	**A553_101.4 P100 BE100LA4**	291
14.4	1331	1.1	99.5	20000	**A503_99.5 S3 ME3LA4**	286	**A503_99.5 P100 BE100LA4**	287
14.4	1331	2.1	99.5	30000	**A603_99.5 S3 ME3LA4**	294	**A603_99.5 P100 BE100LA4**	295



2.2 kW

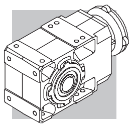
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
16.0	1198	1.3	89.5	19800	**A503_89.5 S3 ME3LA4**	286	**A503_89.5 P100 BE100LA4**	287
16.6	1155	2.4	86.4	30000	**A603_86.4 S3 ME3LA4**	294	**A603_86.4 P100 BE100LA4**	295
17.6	1090	1.4	81.5	19600	**A503_81.5 S3 ME3LA4**	286	**A503_81.5 P100 BE100LA4**	287
17.9	1066	2.6	79.7	30000	**A603_79.7 S3 ME3LA4**	294	**A603_79.7 P100 BE100LA4**	295
18.0	1064	1.9	79.5	30000	**A553_79.5 S3 ME3LA4**	290	**A553_79.5 P100 BE100LA4**	291
20.3	942	3.0	70.4	30000	**A603_70.4 S3 ME3LA4**	294	**A603_70.4 P100 BE100LA4**	295
20.4	940	1.6	70.2	19300	**A503_70.2 S3 ME3LA4**	286	**A503_70.2 P100 BE100LA4**	287
22.0	869	3.2	65.0	30000	**A603_65.0 S3 ME3LA4**	294	**A603_65.0 P100 BE100LA4**	295
22.2	860	2.3	64.3	30000	**A553_64.3 S3 ME3LA4**	290	**A553_64.3 P100 BE100LA4**	291
22.3	887	1.0	64.2	14500	**A412_64.2 S3 ME3LA4**	282	**A412_64.2 P100 BE100LA4**	283
22.4	855	1.8	63.9	19000	**A503_63.9 S3 ME3LA4**	286	**A503_63.9 P100 BE100LA4**	287
24.3	813	1.0	58.8	14400	**A412_58.8 S3 ME3LA4**	282	**A412_58.8 P100 BE100LA4**	283
25.2	760	2.0	56.8	18600	**A503_56.8 S3 ME3LA4**	286	**A503_56.8 P100 BE100LA4**	287
26.9	734	1.2	53.1	14100	**A412_53.1 S3 ME3LA4**	282	**A412_53.1 P100 BE100LA4**	283
27.7	691	2.2	51.7	18300	**A503_51.7 S3 ME3LA4**	286	**A503_51.7 P100 BE100LA4**	287
28.1	682	2.9	51.0	30000	**A553_51.0 S3 ME3LA4**	290	**A553_51.0 P100 BE100LA4**	291
29.1	678	0.9	49.1	9900	**A352_49.1 S3 ME3LA4**	278	**A352_49.1 P100 BE100LA4**	279
29.6	667	1.3	48.3	13900	**A412_48.3 S3 ME3LA4**	282	**A412_48.3 P100 BE100LA4**	283
31	633	0.9	45.8	9840	**A352_45.8 S3 ME3LA4**	278	**A352_45.8 P100 BE100LA4**	279
32	623	1.3	45.1	13700	**A412_45.1 S3 ME3LA4**	282	**A412_45.1 P100 BE100LA4**	283
32	602	2.5	45.0	17900	**A503_45.0 S3 ME3LA4**	286	**A503_45.0 P100 BE100LA4**	287
34	577	1.0	41.8	9750	**A352_41.8 S3 ME3LA4**	278	**A352_41.8 P100 BE100LA4**	279
35	548	2.7	40.9	17500	**A503_40.9 S3 ME3LA4**	286	**A503_40.9 P100 BE100LA4**	287
39	506	1.2	36.6	9600	**A352_36.6 S3 ME3LA4**	278	**A352_36.6 P100 BE100LA4**	279
40	496	1.6	35.9	13100	**A412_35.9 S3 ME3LA4**	282	**A412_35.9 P100 BE100LA4**	283
40	476	3.1	35.6	17000	**A503_35.6 S3 ME3LA4**	286	**A503_35.6 P100 BE100LA4**	287
43	462	0.9	33.4	5050	**A302_33.4 S3 ME3LA4**	274	**A302_33.4 P100 BE100LA4**	275
43	458	1.3	33.2	9460	**A352_33.2 S3 ME3LA4**	278	**A352_33.2 P100 BE100LA4**	279
44	433	3.5	32.4	16600	**A503_32.4 S3 ME3LA4**	286	**A503_32.4 P100 BE100LA4**	287
49	405	1.0	29.3	5380	**A302_29.3 S3 ME3LA4**	274	**A302_29.3 P100 BE100LA4**	275
50	393	1.5	28.4	9230	**A352_28.4 S3 ME3LA4**	278	**A352_28.4 P100 BE100LA4**	279
50	391	1.9	28.3	12400	**A412_28.3 S3 ME3LA4**	282	**A412_28.3 P100 BE100LA4**	283
54	367	1.1	26.5	5350	**A302_26.5 S3 ME3LA4**	274	**A302_26.5 P100 BE100LA4**	275
56	355	1.7	25.7	9070	**A352_25.7 S3 ME3LA4**	278	**A352_25.7 P100 BE100LA4**	279
63	314	1.3	22.8	5290	**A302_22.8 S3 ME3LA4**	274	**A302_22.8 P100 BE100LA4**	275
63	313	2.2	22.7	11700	**A412_22.7 S3 ME3LA4**	282	**A412_22.7 P100 BE100LA4**	283
64	311	1.9	22.5	8840	**A352_22.5 S3 ME3LA4**	278	**A352_22.5 P100 BE100LA4**	279
70	284	1.4	20.5	5230	**A302_20.5 S3 ME3LA4**	274	**A302_20.5 P100 BE100LA4**	275
70	282	2.1	20.4	8660	**A352_20.4 S3 ME3LA4**	278	**A352_20.4 P100 BE100LA4**	279
79	250	1.0	18.1	3140	**A202_18.1 S3 ME3LA4**	270	**A202_18.1 P100 BE100LA4**	271
80	249	1.6	18.0	5140	**A302_18.0 S3 ME3LA4**	274	**A302_18.0 P100 BE100LA4**	275
81	245	2.6	17.8	11000	**A412_17.8 S3 ME3LA4**	282	**A412_17.8 P100 BE100LA4**	283
84	234	2.6	17.0	8320	**A352_17.0 S3 ME3LA4**	278	**A352_17.0 P100 BE100LA4**	279
88	226	1.7	16.3	5060	**A302_16.3 S3 ME3LA4**	274	**A302_16.3 P100 BE100LA4**	275
88	223	1.1	16.2	3140	**A202_16.2 S3 ME3LA4**	270	**A202_16.2 P100 BE100LA4**	271
89	222	2.7	16.1	10800	**A412_16.1 S3 ME3LA4**	282	**A412_16.1 P100 BE100LA4**	283
92	214	2.8	15.5	8150	**A352_15.5 S3 ME3LA4**	278	**A352_15.5 P100 BE100LA4**	279
102	194	1.3	14.1	3120	**A202_14.1 S3 ME3LA4**	270	**A202_14.1 P100 BE100LA4**	271
104	190	3.1	13.8	10300	**A412_13.8 S3 ME3LA4**	282	**A412_13.8 P100 BE100LA4**	283
105	187	2.0	13.6	4900	**A302_13.6 S3 ME3LA4**	274	**A302_13.6 P100 BE100LA4**	275
109	181	3.3	13.1	7820	**A352_13.1 S3 ME3LA4**	278	**A352_13.1 P100 BE100LA4**	279
120	165	1.3	12.0	3070	**A202_12.0 S3 ME3LA4**	270	**A202_12.0 P100 BE100LA4**	271
121	163	1.8	11.8	4750	**A302_11.8 S3 ME3LA4**	274	**A302_11.8 P100 BE100LA4**	275
121	163	2.5	11.8	7710	**A352_11.8 S3 ME3LA4**	278	**A352_11.8 P100 BE100LA4**	279
122	162	3.4	11.7	9870	**A412_11.7 S3 ME3LA4**	282	**A412_11.7 P100 BE100LA4**	283
124	159	2.0	23.1	3070	**A202_23.1 S3 ME3LA2**	270	**A202_23.1 P90 BE90L2**	271
134	147	2.7	10.6	7510	**A352_10.6 S3 ME3LA4**	278	**A352_10.6 P100 BE100LA4**	279

2.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
135	146	1.0	10.6	2600	**A102_10.6 S3 ME3LA4**	266	**A102_10.6 P100 BE100LA4**	267
137	144	2.4	10.5	4660	**A302_10.5 S3 ME3LA4**	274	**A302_10.5 P100 BE100LA4**	275
138	143	1.6	10.3	3030	**A202_10.3 S3 ME3LA4**	270	**A202_10.3 P100 BE100LA4**	271
149	133	1.1	9.6	2580	**A102_9.6 S3 ME3LA4**	266	**A102_9.6 P100 BE100LA4**	267
153	130	1.6	9.4	2980	**A202_9.4 S3 ME3LA4**	270	**A202_9.4 P100 BE100LA4**	271
154	129	2.3	9.3	4530	**A302_9.3 S3 ME3LA4**	274	**A302_9.3 P100 BE100LA4**	275
154	129	3.1	9.3	7240	**A352_9.3 S3 ME3LA4**	278	**A352_9.3 P100 BE100LA4**	279
168	118	1.2	8.5	3050	**A102_8.5 S3 ME3LA4**	266	**A102_8.5 P100 BE100LA4**	267
169	117	2.6	8.5	4430	**A302_8.5 S3 ME3LA4**	274	**A302_8.5 P100 BE100LA4**	275
169	117	3.3	8.5	7060	**A352_8.5 S3 ME3LA4**	278	**A352_8.5 P100 BE100LA4**	279
171	116	1.8	8.4	2930	**A202_8.4 S3 ME3LA4**	270	**A202_8.4 P100 BE100LA4**	271
196	101	2.1	7.3	2860	**A202_7.3 S3 ME3LA4**	270	**A202_7.3 P100 BE100LA4**	271
198	100	1.4	7.2	2520	**A102_7.2 S3 ME3LA4**	266	**A102_7.2 P100 BE100LA4**	267
204	97	3.1	7.0	4240	**A302_7.0 S3 ME3LA4**	274	**A302_7.0 P100 BE100LA4**	275
219	90	2.3	6.5	2810	**A202_6.5 S3 ME3LA4**	270	**A202_6.5 P100 BE100LA4**	271
223	89	3.4	6.4	4150	**A302_6.4 S3 ME3LA4**	274	**A302_6.4 P100 BE100LA4**	275
226	88	1.6	6.3	2950	**A102_6.3 S3 ME3LA4**	266	**A102_6.3 P100 BE100LA4**	267
262	76	1.9	5.5	2430	**A102_5.5 S3 ME3LA4**	266	**A102_5.5 P100 BE100LA4**	267
267	74	2.8	5.4	2700	**A202_5.4 S3 ME3LA4**	270	**A202_5.4 P100 BE100LA4**	271
306	65	3.2	9.4	2620	**A202_9.4 S3 ME3LA2**	270	**A202_9.4 P90 BE90L2**	271

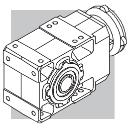
3 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
1.7	15399	0.9	865.1	75000	**A904_865.1 S3 ME3LB4**	304	**A904_865.1 P100 BE100LB4**	305
1.9	13651	1.0	766.9	75000	**A904_766.9 S3 ME3LB4**	304	**A904_766.9 P100 BE100LB4**	305
2.0	12601	1.1	707.9	75000	**A904_707.9 S3 ME3LB4**	304	**A904_707.9 P100 BE100LB4**	305
2.4	10708	1.3	601.6	75000	**A904_601.6 S3 ME3LB4**	304	**A904_601.6 P100 BE100LB4**	305
2.6	9884	1.4	555.3	75000	**A904_555.3 S3 ME3LB4**	304	**A904_555.3 P100 BE100LB4**	305
3.0	8661	1.6	486.6	75000	**A904_486.6 S3 ME3LB4**	304	**A904_486.6 P100 BE100LB4**	305
3.0	8525	0.9	478.9	65000	**A804_478.9 S3 ME3LB4**	301	**A804_478.9 P100 BE100LB4**	302
3.2	7995	1.8	449.2	75000	**A904_449.2 S3 ME3LB4**	304	**A904_449.2 P100 BE100LB4**	305
3.3	7869	1.0	442.1	65000	**A804_442.1 S3 ME3LB4**	301	**A804_442.1 P100 BE100LB4**	302
3.7	6861	2.0	385.4	75000	**A904_385.4 S3 ME3LB4**	304	**A904_385.4 P100 BE100LB4**	305
3.8	6826	1.2	383.5	65000	**A804_383.5 S3 ME3LB4**	301	**A804_383.5 P100 BE100LB4**	302
4.0	6333	2.2	355.8	75000	**A904_355.8 S3 ME3LB4**	304	**A904_355.8 P100 BE100LB4**	305
4.1	6301	1.3	354.0	65000	**A804_354.0 S3 ME3LB4**	301	**A804_354.0 P100 BE100LB4**	302
4.6	5631	0.9	316.4	50000	**A704_316.4 S3 ME3LB4**	298	**A704_316.4 P100 BE100LB4**	299
4.7	5427	2.6	304.9	75000	**A904_304.9 S3 ME3LB4**	304	**A904_304.9 P100 BE100LB4**	305
4.8	5347	1.5	300.4	65000	**A804_300.4 S3 ME3LB4**	301	**A804_300.4 P100 BE100LB4**	302
4.9	5198	1.0	292.0	50000	**A704_292.0 S3 ME3LB4**	298	**A704_292.0 P100 BE100LB4**	299
5.1	5010	2.8	281.4	75000	**A904_281.4 S3 ME3LB4**	304	**A904_281.4 P100 BE100LB4**	305
5.2	4936	1.6	277.3	65000	**A804_277.3 S3 ME3LB4**	301	**A804_277.3 P100 BE100LB4**	302
6.0	4247	1.2	238.6	50000	**A704_238.6 S3 ME3LB4**	298	**A704_238.6 P100 BE100LB4**	299
6.2	4141	1.9	232.6	65000	**A804_232.6 S3 ME3LB4**	301	**A804_232.6 P100 BE100LB4**	302
6.4	4030	3.5	226.4	75000	**A904_226.4 S3 ME3LB4**	304	**A904_226.4 P100 BE100LB4**	305
6.5	3921	1.3	220.3	50000	**A704_220.3 S3 ME3LB4**	298	**A704_220.3 P100 BE100LB4**	299
6.7	3822	2.1	214.7	65000	**A804_214.7 S3 ME3LB4**	301	**A804_214.7 P100 BE100LB4**	302
7.8	3273	1.5	183.9	50000	**A704_183.9 S3 ME3LB4**	298	**A704_183.9 P100 BE100LB4**	299
8.4	3121	0.9	171.5	30000	**A603_171.5 S3 ME3LB4**	294	**A603_171.5 P100 BE100LB4**	295
8.4	3049	2.6	171.3	65000	**A804_171.3 S3 ME3LB4**	301	**A804_171.3 P100 BE100LB4**	302
8.5	3022	1.7	169.8	50000	**A704_169.8 S3 ME3LB4**	298	**A704_169.8 P100 BE100LB4**	299



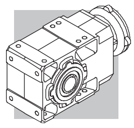
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
9.2	2854	2.8	156.8	65000	**A803_156.8 S3 ME3LB4**	301	**A803_156.8 P100 BE100LB4**	302
9.2	2840	1.0	156.0	30000	**A603_156.0 S3 ME3LB4**	294	**A603_156.0 P100 BE100LB4**	295
9.4	2797	1.4	153.7	50000	**A703_153.7 S3 ME3LB4**	298	**A703_153.7 P100 BE100LB4**	299
9.9	2634	3.0	144.7	65000	**A803_144.7 S3 ME3LB4**	301	**A803_144.7 P100 BE100LB4**	302
10.0	2622	1.1	144.0	30000	**A603_144.0 S3 ME3LB4**	294	**A603_144.0 P100 BE100LB4**	295
10.2	2582	1.9	141.9	50000	**A703_141.9 S3 ME3LB4**	298	**A703_141.9 P100 BE100LB4**	299
10.8	2426	1.2	133.3	30000	**A603_133.3 S3 ME3LB4**	294	**A603_133.3 P100 BE100LB4**	295
11.0	2378	2.1	130.7	50000	**A703_130.7 S3 ME3LB4**	298	**A703_130.7 P100 BE100LB4**	299
11.5	2286	3.5	125.6	65000	**A803_125.6 S3 ME3LB4**	301	**A803_125.6 P100 BE100LB4**	302
11.6	2255	0.9	123.9	30000	**A553_123.9 S3 ME3LB4**	290	**A553_123.9 P100 BE100LB4**	291
11.7	2239	1.3	123.0	30000	**A603_123.0 S3 ME3LB4**	294	**A603_123.0 P100 BE100LB4**	295
11.9	2195	2.3	120.6	50000	**A703_120.6 S3 ME3LB4**	298	**A703_120.6 P100 BE100LB4**	299
13.4	1962	1.4	107.8	30000	**A603_107.8 S3 ME3LB4**	294	**A603_107.8 P100 BE100LB4**	295
13.8	1897	2.6	104.2	50000	**A703_104.2 S3 ME3LB4**	298	**A703_104.2 P100 BE100LB4**	299
14.2	1845	1.1	101.4	30000	**A553_101.4 S3 ME3LB4**	290	**A553_101.4 P100 BE100LB4**	291
14.5	1811	1.5	99.5	30000	**A603_99.5 S3 ME3LB4**	294	**A603_99.5 P100 BE100LB4**	295
15.0	1751	2.9	96.2	50000	**A703_96.2 S3 ME3LB4**	298	**A703_96.2 P100 BE100LB4**	299
16.1	1630	0.9	89.5	17100	**A503_89.5 S3 ME3LB4**	286	**A503_89.5 P100 BE100LB4**	287
16.7	1572	1.8	86.4	30000	**A603_86.4 S3 ME3LB4**	294	**A603_86.4 P100 BE100LB4**	295
16.8	1564	3.2	85.9	50000	**A703_85.9 S3 ME3LB4**	298	**A703_85.9 P100 BE100LB4**	299
17.7	1482	1.0	81.5	17200	**A503_81.5 S3 ME3LB4**	286	**A503_81.5 P100 BE100LB4**	287
18.1	1451	1.9	79.7	30000	**A603_79.7 S3 ME3LB4**	294	**A603_79.7 P100 BE100LB4**	295
18.1	1447	1.4	79.5	30000	**A553_79.5 S3 ME3LB4**	290	**A553_79.5 P100 BE100LB4**	291
18.2	1444	3.5	79.3	50000	**A703_79.3 S3 ME3LB4**	298	**A703_79.3 P100 BE100LB4**	299
20.5	1281	2.2	70.4	30000	**A603_70.4 S3 ME3LB4**	294	**A603_70.4 P100 BE100LB4**	295
20.5	1278	1.2	70.2	17200	**A503_70.2 S3 ME3LB4**	286	**A503_70.2 P100 BE100LB4**	287
22.2	1183	2.4	65.0	30000	**A603_65.0 S3 ME3LB4**	294	**A603_65.0 P100 BE100LB4**	295
22.4	1171	1.7	64.3	30000	**A553_64.3 S3 ME3LB4**	290	**A553_64.3 P100 BE100LB4**	291
22.5	1163	1.3	63.9	17100	**A503_63.9 S3 ME3LB4**	286	**A503_63.9 P100 BE100LB4**	287
25.3	1034	1.5	56.8	17000	**A503_56.8 S3 ME3LB4**	286	**A503_56.8 P100 BE100LB4**	287
25.9	1012	2.8	55.6	30000	**A603_55.6 S3 ME3LB4**	294	**A603_55.6 P100 BE100LB4**	295
27.9	941	1.6	51.7	16800	**A503_51.7 S3 ME3LB4**	286	**A503_51.7 P100 BE100LB4**	287
28.1	934	3.0	51.3	30000	**A603_51.3 S3 ME3LB4**	294	**A603_51.3 P100 BE100LB4**	295
28.3	927	2.2	51.0	30000	**A553_51.0 S3 ME3LB4**	290	**A553_51.0 P100 BE100LB4**	291
29.8	908	0.9	48.3	12700	**A412_48.3 S3 ME3LB4**	282	**A412_48.3 P100 BE100LB4**	283
32	822	3.4	45.2	30000	**A603_45.2 S3 ME3LB4**	294	**A603_45.2 P100 BE100LB4**	295
32	847	1.0	45.1	12600	**A412_45.1 S3 ME3LB4**	282	**A412_45.1 P100 BE100LB4**	283
32	819	1.8	45.0	16500	**A503_45.0 S3 ME3LB4**	286	**A503_45.0 P100 BE100LB4**	287
35	745	2.0	40.9	16300	**A503_40.9 S3 ME3LB4**	286	**A503_40.9 P100 BE100LB4**	287
36	734	2.7	40.3	30000	**A553_40.3 S3 ME3LB4**	290	**A553_40.3 P100 BE100LB4**	291
39	689	0.9	36.6	8550	**A352_36.6 S3 ME3LB4**	278	**A352_36.6 P100 BE100LB4**	279
40	675	1.2	35.9	12200	**A412_35.9 S3 ME3LB4**	282	**A412_35.9 P100 BE100LB4**	283
40	648	2.3	35.6	16000	**A503_35.6 S3 ME3LB4**	286	**A503_35.6 P100 BE100LB4**	287
43	623	1.0	33.2	8520	**A352_33.2 S3 ME3LB4**	278	**A352_33.2 P100 BE100LB4**	279
44	589	2.5	32.4	15700	**A503_32.4 S3 ME3LB4**	286	**A503_32.4 P100 BE100LB4**	287
51	535	1.1	28.4	8420	**A352_28.4 S3 ME3LB4**	278	**A352_28.4 P100 BE100LB4**	279
51	532	1.4	28.3	11700	**A412_28.3 S3 ME3LB4**	282	**A412_28.3 P100 BE100LB4**	283
54	481	3.1	26.4	15100	**A503_26.4 S3 ME3LB4**	286	**A503_26.4 P100 BE100LB4**	287
56	483	1.2	25.7	8330	**A352_25.7 S3 ME3LB4**	278	**A352_25.7 P100 BE100LB4**	279
60	438	3.4	24.0	14800	**A503_24.0 S3 ME3LB4**	286	**A503_24.0 P100 BE100LB4**	287
63	428	1.0	22.8	4610	**A302_22.8 S3 ME3LB4**	274	**A302_22.8 P100 BE100LB4**	275
64	426	1.6	22.7	11200	**A412_22.7 S3 ME3LB4**	282	**A412_22.7 P100 BE100LB4**	283
64	423	1.4	22.5	8190	**A352_22.5 S3 ME3LB4**	278	**A352_22.5 P100 BE100LB4**	279
69	393	3.1	20.9	15500	**A502_20.9 S3 ME3LB4**	286	**A502_20.9 P100 BE100LB4**	287
70	386	1.1	20.5	4620	**A302_20.5 S3 ME3LB4**	274	**A302_20.5 P100 BE100LB4**	275



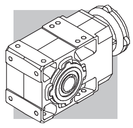
3 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
70	384	1.6	20.4	8080	**A352_20.4 S3 ME3LB4**	278	**A352_20.4 P100 BE100LB4**	279
80	338	1.2	18.0	4600	**A302_18.0 S3 ME3LB4**	274	**A302_18.0 P100 BE100LB4**	275
81	334	1.9	17.8	10600	**A412_17.8 S3 ME3LB4**	282	**A412_17.8 P100 BE100LB4**	283
85	319	1.9	17.0	7830	**A352_17.0 S3 ME3LB4**	278	**A352_17.0 P100 BE100LB4**	279
88	307	1.3	16.3	4580	**A302_16.3 S3 ME3LB4**	274	**A302_16.3 P100 BE100LB4**	275
89	303	2.0	16.1	10400	**A412_16.1 S3 ME3LB4**	282	**A412_16.1 P100 BE100LB4**	283
93	291	2.1	15.5	7700	**A352_15.5 S3 ME3LB4**	278	**A352_15.5 P100 BE100LB4**	279
102	265	0.9	14.1	2650	**A202_14.1 S3 ME3LB4**	270	**A202_14.1 P100 BE100LB4**	271
105	259	2.3	13.8	9990	**A412_13.8 S3 ME3LB4**	282	**A412_13.8 P100 BE100LB4**	283
106	255	1.5	13.6	4500	**A302_13.6 S3 ME3LB4**	274	**A302_13.6 P100 BE100LB4**	275
110	246	2.4	13.1	7450	**A352_13.1 S3 ME3LB4**	278	**A352_13.1 P100 BE100LB4**	279
120	225	0.9	12.0	2670	**A202_12.0 S3 ME3LB4**	270	**A202_12.0 P100 BE100LB4**	271
122	221	1.4	11.8	4400	**A302_11.8 S3 ME3LB4**	274	**A302_11.8 P100 BE100LB4**	275
122	221	1.8	11.8	7410	**A352_11.8 S3 ME3LB4**	278	**A352_11.8 P100 BE100LB4**	279
123	221	2.5	11.7	9580	**A412_11.7 S3 ME3LB4**	282	**A412_11.7 P100 BE100LB4**	283
125	216	1.5	23.1	2690	**A202_23.1 S3 ME3LB2**	270	**A202_23.1 P100 BE100L2**	271
135	200	2.0	10.6	7230	**A352_10.6 S3 ME3LB4**	278	**A352_10.6 P100 BE100LB4**	279
138	197	1.7	10.5	4350	**A302_10.5 S3 ME3LB4**	274	**A302_10.5 P100 BE100LB4**	275
139	194	1.2	10.3	2690	**A202_10.3 S3 ME3LB4**	270	**A202_10.3 P100 BE100LB4**	271
142	190	2.8	10.1	9230	**A412_10.1 S3 ME3LB4**	282	**A412_10.1 P100 BE100LB4**	283
154	176	1.2	9.4	2670	**A202_9.4 S3 ME3LB4**	270	**A202_9.4 P100 BE100LB4**	271
155	175	1.7	9.3	4240	**A302_9.3 S3 ME3LB4**	274	**A302_9.3 P100 BE100LB4**	275
155	175	2.3	9.3	7000	**A352_9.3 S3 ME3LB4**	278	**A352_9.3 P100 BE100LB4**	279
157	173	3.2	9.2	8980	**A412_9.2 S3 ME3LB4**	282	**A412_9.2 P100 BE100LB4**	283
170	159	1.9	8.5	4170	**A302_8.5 S3 ME3LB4**	274	**A302_8.5 P100 BE100LB4**	275
170	159	2.4	8.5	6840	**A352_8.5 S3 ME3LB4**	278	**A352_8.5 P100 BE100LB4**	279
172	157	1.3	8.4	2650	**A202_8.4 S3 ME3LB4**	270	**A202_8.4 P100 BE100LB4**	271
173	157	3.5	8.3	8740	**A412_8.3 S3 ME3LB4**	282	**A412_8.3 P100 BE100LB4**	283
198	137	1.5	7.3	2620	**A202_7.3 S3 ME3LB4**	270	**A202_7.3 P100 BE100LB4**	271
200	136	1.0	7.2	2220	**A102_7.2 S3 ME3LB4**	266	**A102_7.2 P100 BE100LB4**	267
205	132	2.3	7.0	4030	**A302_7.0 S3 ME3LB4**	274	**A302_7.0 P100 BE100LB4**	275
205	132	2.8	7.0	6520	**A352_7.0 S3 ME3LB4**	278	**A352_7.0 P100 BE100LB4**	279
220	123	1.7	6.5	2590	**A202_6.5 S3 ME3LB4**	270	**A202_6.5 P100 BE100LB4**	271
225	121	2.5	6.4	3950	**A302_6.4 S3 ME3LB4**	274	**A302_6.4 P100 BE100LB4**	275
225	121	2.9	6.4	6360	**A352_6.4 S3 ME3LB4**	278	**A352_6.4 P100 BE100LB4**	279
227	119	1.2	6.3	2640	**A102_6.3 S3 ME3LB4**	266	**A102_6.3 P100 BE100LB4**	267
245	110	2.7	11.8	3870	**A302_11.8 S3 ME3LB2**	274	**A302_11.8 P100 BE100L2**	275
263	103	1.4	5.5	2200	**A102_5.5 S3 ME3LB4**	266	**A102_5.5 P100 BE100LB4**	267
266	102	2.9	5.4	3810	**A302_5.4 S3 ME3LB4**	274	**A302_5.4 P100 BE100LB4**	275
266	102	3.3	5.4	6070	**A352_5.4 S3 ME3LB4**	278	**A352_5.4 P100 BE100LB4**	279
269	101	2.1	5.4	2520	**A202_5.4 S3 ME3LB4**	270	**A202_5.4 P100 BE100LB4**	271
279	97	1.9	10.3	2500	**A202_10.3 S3 ME3LB2**	270	**A202_10.3 P100 BE100L2**	271
309	87	3.4	9.3	3670	**A302_9.3 S3 ME3LB2**	274	**A302_9.3 P100 BE100L2**	275
344	78	2.7	8.4	2410	**A202_8.4 S3 ME3LB2**	270	**A202_8.4 P100 BE100L2**	271
399	67	2.1	7.2	2090	**A102_7.2 S3 ME3LB2**	266	**A102_7.2 P100 BE100L2**	267
455	59	2.3	6.3	2430	**A102_6.3 S3 ME3LB2**	266	**A102_6.3 P100 BE100L2**	267
527	51	2.6	5.5	1990	**A102_5.5 S3 ME3LB2**	266	**A102_5.5 P100 BE100L2**	267



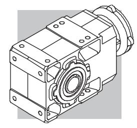
4 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
2.4	14456	1.0	601.6	75000	**A904_601.6 S4 ME4SA4**	304	**A904_601.6 P112 BE112M4**	305
2.6	13344	1.0	555.3	75000	**A904_555.3 S4 ME4SA4**	304	**A904_555.3 P112 BE112M4**	305
3.0	11693	1.2	486.6	75000	**A904_486.6 S4 ME4SA4**	304	**A904_486.6 P112 BE112M4**	305
3.2	10793	1.3	449.2	75000	**A904_449.2 S4 ME4SA4**	304	**A904_449.2 P112 BE112M4**	305
3.7	9262	1.5	385.4	75000	**A904_385.4 S4 ME4SA4**	304	**A904_385.4 P112 BE112M4**	305
3.8	9215	0.9	383.5	65000	**A804_383.5 S4 ME4SA4**	301	**A804_383.5 P112 BE112M4**	302
4.0	8550	1.6	355.8	75000	**A904_355.8 S4 ME4SA4**	304	**A904_355.8 P112 BE112M4**	305
4.1	8506	0.9	354.0	65000	**A804_354.0 S4 ME4SA4**	301	**A804_354.0 P112 BE112M4**	302
4.7	7326	1.9	304.9	75000	**A904_304.9 S4 ME4SA4**	304	**A904_304.9 P112 BE112M4**	305
4.8	7218	1.1	300.4	65000	**A804_300.4 S4 ME4SA4**	301	**A804_300.4 P112 BE112M4**	302
5.1	6763	2.1	281.4	75000	**A904_281.4 S4 ME4SA4**	304	**A904_281.4 P112 BE112M4**	305
5.2	6663	1.2	277.3	65000	**A804_277.3 S4 ME4SA4**	301	**A804_277.3 P112 BE112M4**	302
6.0	5734	0.9	238.6	50000	**A704_238.6 S4 ME4SA4**	298	**A704_238.6 P112 BE112M4**	299
6.2	5590	1.4	232.6	65000	**A804_232.6 S4 ME4SA4**	301	**A804_232.6 P112 BE112M4**	302
6.4	5441	2.6	226.4	75000	**A904_226.4 S4 ME4SA4**	304	**A904_226.4 P112 BE112M4**	305
6.5	5293	0.9	220.3	50000	**A704_220.3 S4 ME4SA4**	298	**A704_220.3 P112 BE112M4**	299
6.7	5160	1.6	214.7	65000	**A804_214.7 S4 ME4SA4**	301	**A804_214.7 P112 BE112M4**	302
6.9	5023	2.8	209.0	75000	**A904_209.0 S4 ME4SA4**	304	**A904_209.0 P112 BE112M4**	305
7.8	4419	1.1	183.9	50000	**A704_183.9 S4 ME4SA4**	298	**A704_183.9 P112 BE112M4**	299
8.0	4325	3.2	180.0	75000	**A904_180.0 S4 ME4SA4**	304	**A904_180.0 P112 BE112M4**	305
8.4	4116	1.9	171.3	65000	**A804_171.3 S4 ME4SA4**	301	**A804_171.3 P112 BE112M4**	302
8.5	4079	1.2	169.8	50000	**A704_169.8 S4 ME4SA4**	298	**A704_169.8 P112 BE112M4**	299
8.7	3992	3.5	166.1	75000	**A904_166.1 S4 ME4SA4**	304	**A904_166.1 P112 BE112M4**	305
9.2	3853	2.1	156.8	65000	**A803_156.8 S4 ME4SA4**	301	**A803_156.8 P112 BE112M4**	302
9.4	3776	1.1	153.7	50000	**A703_153.7 S4 ME4SA4**	298	**A703_153.7 P112 BE112M4**	299
9.9	3556	2.2	144.7	65000	**A803_144.7 S4 ME4SA4**	301	**A803_144.7 P112 BE112M4**	302
10.2	3486	1.4	141.9	50000	**A703_141.9 S4 ME4SA4**	298	**A703_141.9 P112 BE112M4**	299
11.0	3210	1.6	130.7	50000	**A703_130.7 S4 ME4SA4**	298	**A703_130.7 P112 BE112M4**	299
11.5	3086	2.6	125.6	65000	**A803_125.6 S4 ME4SA4**	301	**A803_125.6 P112 BE112M4**	302
11.7	3023	0.9	123.0	30000	**A603_123.0 S4 ME4SA4**	294	**A603_123.0 P112 BE112M4**	295
11.9	2964	1.7	120.6	50000	**A703_120.6 S4 ME4SA4**	298	**A703_120.6 P112 BE112M4**	299
12.4	2849	2.8	116.0	65000	**A803_116.0 S4 ME4SA4**	301	**A803_116.0 P112 BE112M4**	302
13.4	2649	1.1	107.8	30000	**A603_107.8 S4 ME4SA4**	294	**A603_107.8 P112 BE112M4**	295
13.8	2561	2.0	104.2	50000	**A703_104.2 S4 ME4SA4**	298	**A703_104.2 P112 BE112M4**	299
13.8	2556	3.1	104.0	65000	**A803_104.0 S4 ME4SA4**	301	**A803_104.0 P112 BE112M4**	302
14.5	2445	1.1	99.5	30000	**A603_99.5 S4 ME4SA4**	294	**A603_99.5 P112 BE112M4**	295
15.0	2364	2.1	96.2	50000	**A703_96.2 S4 ME4SA4**	298	**A703_96.2 P112 BE112M4**	299
15.0	2359	3.4	96.0	65000	**A803_96.0 S4 ME4SA4**	301	**A803_96.0 P112 BE112M4**	302
16.7	2122	1.3	86.4	30000	**A603_86.4 S4 ME4SA4**	294	**A603_86.4 P112 BE112M4**	295
16.8	2112	2.4	85.9	50000	**A703_85.9 S4 ME4SA4**	298	**A703_85.9 P112 BE112M4**	299
18.1	1959	1.4	79.7	30000	**A603_79.7 S4 ME4SA4**	294	**A603_79.7 P112 BE112M4**	295
18.1	1954	1.0	79.5	30000	**A553_79.5 S4 ME4SA4**	290	**A553_79.5 P112 BE112M4**	291
18.2	1949	2.6	79.3	50000	**A703_79.3 S4 ME4SA4**	298	**A703_79.3 P112 BE112M4**	299
19.9	1782	2.8	72.5	50000	**A703_72.5 S4 ME4SA4**	298	**A703_72.5 P112 BE112M4**	299
20.5	1730	1.6	70.4	30000	**A603_70.4 S4 ME4SA4**	294	**A603_70.4 P112 BE112M4**	295
21.5	1645	3.0	66.9	50000	**A703_66.9 S4 ME4SA4**	298	**A703_66.9 P112 BE112M4**	299
22.2	1597	1.8	65.0	30000	**A603_65.0 S4 ME4SA4**	294	**A603_65.0 P112 BE112M4**	295
22.4	1580	1.3	64.3	30000	**A553_64.3 S4 ME4SA4**	290	**A553_64.3 P112 BE112M4**	291
22.5	1570	1.0	63.9	14700	**A503_63.9 S4 ME4SA4**	286	**A503_63.9 P112 BE112M4**	287
25.3	1396	1.1	56.8	14800	**A503_56.8 S4 ME4SA4**	286	**A503_56.8 P112 BE112M4**	287
25.9	1366	2.0	55.6	30000	**A603_55.6 S4 ME4SA4**	294	**A603_55.6 P112 BE112M4**	295
27.9	1270	1.2	51.7	14900	**A503_51.7 S4 ME4SA4**	286	**A503_51.7 P112 BE112M4**	287
28.1	1261	2.2	51.3	30000	**A603_51.3 S4 ME4SA4**	294	**A603_51.3 P112 BE112M4**	295
28.3	1252	1.6	51.0	30000	**A553_51.0 S4 ME4SA4**	290	**A553_51.0 P112 BE112M4**	291
32	1110	2.5	45.2	30000	**A603_45.2 S4 ME4SA4**	294	**A603_45.2 P112 BE112M4**	295
32	1106	1.4	45.0	14900	**A503_45.0 S4 ME4SA4**	286	**A503_45.0 P112 BE112M4**	287
35	1025	2.7	41.7	30000	**A603_41.7 S4 ME4SA4**	294	**A603_41.7 P112 BE112M4**	295



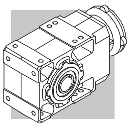
4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
35	1006	1.5	40.9	14800	**A503_40.9 S4 ME4SA4**	286	**A503_40.9 P112 BE112M4**	287
36	990	2.0	40.3	30000	**A553_40.3 S4 ME4SA4**	290	**A553_40.3 P112 BE112M4**	291
40	875	1.7	35.6	14700	**A503_35.6 S4 ME4SA4**	286	**A503_35.6 P112 BE112M4**	287
42	843	3.3	34.3	30000	**A603_34.3 S4 ME4SA4**	294	**A603_34.3 P112 BE112M4**	295
44	796	1.9	32.4	14500	**A503_32.4 S4 ME4SA4**	286	**A503_32.4 P112 BE112M4**	287
48	735	2.7	29.9	30000	**A553_29.9 S4 ME4SA4**	290	**A553_29.9 P112 BE112M4**	291
51	719	1.0	28.3	10900	**A412_28.3 S4 ME4SA4**	282	**A412_28.3 P112 BE112M4**	283
54	650	2.3	26.4	14100	**A503_26.4 S4 ME4SA4**	286	**A503_26.4 P112 BE112M4**	287
56	652	0.9	25.7	7420			**A352_25.7 P112 BE112M4**	279
60	591	2.5	24.0	13900	**A503_24.0 S4 ME4SA4**	286	**A503_24.0 P112 BE112M4**	287
61	585	3.3	23.8	30000	**A553_23.8 S4 ME4SA4**	290	**A553_23.8 P112 BE112M4**	291
64	576	1.2	22.7	10500	**A412_22.7 S4 ME4SA4**	282	**A412_22.7 P112 BE112M4**	283
64	571	1.1	22.5	7400			**A352_22.5 P112 BE112M4**	279
69	531	2.3	20.9	15100	**A502_20.9 S4 ME4SA4**	286	**A502_20.9 P112 BE112M4**	287
70	518	1.2	20.4	7360			**A352_20.4 P112 BE112M4**	279
80	456	0.9	18.0	3930			**A302_18.0 P112 BE112M4**	275
81	451	1.4	17.8	10100	**A412_17.8 S4 ME4SA4**	282	**A412_17.8 P112 BE112M4**	283
85	430	1.4	17.0	7240			**A352_17.0 P112 BE112M4**	279
87	421	2.9	16.6	14200	**A502_16.6 S4 ME4SA4**	286	**A502_16.6 P112 BE112M4**	287
88	415	0.9	16.3	3970			**A302_16.3 P112 BE112M4**	275
89	408	1.5	16.1	9940	**A412_16.1 S4 ME4SA4**	282	**A412_16.1 P112 BE112M4**	283
93	393	1.5	15.5	7160			**A352_15.5 P112 BE112M4**	279
105	349	1.7	13.8	9610	**A412_13.8 S4 ME4SA4**	282	**A412_13.8 P112 BE112M4**	283
106	344	1.1	13.6	4000			**A302_13.6 P112 BE112M4**	275
110	333	3.3	13.1	13300	**A502_13.1 S4 ME4SA4**	286	**A502_13.1 P112 BE112M4**	287
110	332	1.8	13.1	7000			**A352_13.1 P112 BE112M4**	279
122	299	1.0	11.8	3960			**A302_11.8 P112 BE112M4**	275
122	299	1.3	11.8	7050	**A352_11.8 S4 ME4SA4**	278	**A352_11.8 P112 BE112M4**	279
123	298	1.8	11.7	9260	**A412_11.7 S4 ME4SA4**	282	**A412_11.7 P112 BE112M4**	283
127	282	1.2	22.8	3980			**A302_22.8 P112 BE112M2**	275
135	270	1.5	10.6	6910	**A352_10.6 S4 ME4SA4**	278	**A352_10.6 P112 BE112M4**	279
138	265	1.3	10.5	3970			**A302_10.5 P112 BE112M4**	275
142	257	2.1	10.1	8960	**A412_10.1 S4 ME4SA4**	282	**A412_10.1 P112 BE112M4**	283
155	236	1.3	9.3	3900			**A302_9.3 P112 BE112M4**	275
155	236	1.7	9.3	6730	**A352_9.3 S4 ME4SA4**	278	**A352_9.3 P112 BE112M4**	279
157	233	2.4	9.2	8740	**A412_9.2 S4 ME4SA4**	282	**A412_9.2 P112 BE112M4**	283
170	215	1.4	8.5	3860			**A302_8.5 P112 BE112M4**	275
170	215	1.8	8.5	6590	**A352_8.5 S4 ME4SA4**	278	**A352_8.5 P112 BE112M4**	279
172	212	1.0	8.4	2300			**A202_8.4 P112 BE112M4**	271
173	211	2.6	8.3	8520	**A412_8.3 S4 ME4SA4**	282	**A412_8.3 P112 BE112M4**	283
198	185	1.1	7.3	2310			**A202_7.3 P112 BE112M4**	271
202	181	3.0	7.1	8180	**A412_7.1 S4 ME4SA4**	282	**A412_7.1 P112 BE112M4**	283
205	178	1.7	7.0	3770			**A302_7.0 P112 BE112M4**	275
205	178	2.1	7.0	6310	**A352_7.0 S4 ME4SA4**	278	**A352_7.0 P112 BE112M4**	279
220	166	1.3	6.5	2310			**A202_6.5 P112 BE112M4**	271
225	163	1.8	6.4	3720			**A302_6.4 P112 BE112M4**	275
225	163	2.2	6.4	6180	**A352_6.4 S4 ME4SA4**	278	**A352_6.4 P112 BE112M4**	279
263	139	1.0	5.5	1910	**A102_5.5 S4 ME4SA4**	266	**A102_5.5 P112 BE112M4**	267
266	137	2.2	5.4	3610			**A302_5.4 P112 BE112M4**	275
266	137	2.5	5.4	5920	**A352_5.4 S4 ME4SA4**	278	**A352_5.4 P112 BE112M4**	279
269	136	1.5	5.4	2300			**A202_5.4 P112 BE112M4**	271
273	132	3.0	10.6	5850	**A352_10.6 S4 ME4SA2**	278	**A352_10.6 P112 BE112M2**	279
311	115	3.5	9.3	5650	**A352_9.3 S4 ME4SA2**	278	**A352_9.3 P112 BE112M2**	279
346	104	2.1	8.4	2230			**A202_8.4 P112 BE112M2**	271
413	87	3.4	7.0	3280			**A302_7.0 P112 BE112M2**	275
458	78	1.8	6.3	2240			**A102_6.3 P112 BE112M2**	267
542	66	2.9	5.4	2080			**A202_5.4 P112 BE112M2**	271



5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IE3	
3.0	15590	0.9	486.6	75000	**A904_486.6 S4 ME4SB4**	**A904_486.6 S4 MX4SB4**	304	**A904_486.6 P132 BE132S4**	**A904_486.6 P132 BX132S4**	305
3.3	14391	1.0	449.2	75000	**A904_449.2 S4 ME4SB4**	**A904_449.2 S4 MX4SB4**	304	**A904_449.2 P132 BE132S4**	**A904_449.2 P132 BX132S4**	305
3.8	12350	1.1	385.4	75000	**A904_385.4 S4 ME4SB4**	**A904_385.4 S4 MX4SB4**	304	**A904_385.4 P132 BE132S4**	**A904_385.4 P132 BX132S4**	305
4.1	11400	1.2	355.8	75000	**A904_355.8 S4 ME4SB4**	**A904_355.8 S4 MX4SB4**	304	**A904_355.8 P132 BE132S4**	**A904_355.8 P132 BX132S4**	305
4.8	9769	1.4	304.9	75000	**A904_304.9 S4 ME4SB4**	**A904_304.9 S4 MX4SB4**	304	**A904_304.9 P132 BE132S4**	**A904_304.9 P132 BX132S4**	305
5.2	9017	1.6	281.4	75000	**A904_281.4 S4 ME4SB4**	**A904_281.4 S4 MX4SB4**	304	**A904_281.4 P132 BE132S4**	**A904_281.4 P132 BX132S4**	305
5.3	8884	0.9	277.3	65000	**A804_277.3 S4 ME4SB4**	**A804_277.3 S4 MX4SB4**	301	**A804_277.3 P132 BE132S4**	**A804_277.3 P132 BX132S4**	302
6.3	7453	1.1	232.6	65000	**A804_232.6 S4 ME4SB4**	**A804_232.6 S4 MX4SB4**	301	**A804_232.6 P132 BE132S4**	**A804_232.6 P132 BX132S4**	302
6.4	7255	1.9	226.4	75000	**A904_226.4 S4 ME4SB4**	**A904_226.4 S4 MX4SB4**	304	**A904_226.4 P132 BE132S4**	**A904_226.4 P132 BX132S4**	305
6.8	6880	1.2	214.7	65000	**A804_214.7 S4 ME4SB4**	**A804_214.7 S4 MX4SB4**	301	**A804_214.7 P132 BE132S4**	**A804_214.7 P132 BX132S4**	302
7.0	6697	2.1	209.0	75000	**A904_209.0 S4 ME4SB4**	**A904_209.0 S4 MX4SB4**	304	**A904_209.0 P132 BE132S4**	**A904_209.0 P132 BX132S4**	305
8.1	5766	2.4	180.0	75000	**A904_180.0 S4 ME4SB4**	**A904_180.0 S4 MX4SB4**	304	**A904_180.0 P132 BE132S4**	**A904_180.0 P132 BX132S4**	305
8.5	5488	1.5	171.3	65000	**A804_171.3 S4 ME4SB4**	**A804_171.3 S4 MX4SB4**	301	**A804_171.3 P132 BE132S4**	**A804_171.3 P132 BX132S4**	302
8.6	5439	0.9	169.8	50000	**A704_169.8 S4 ME4SB4**	**A704_169.8 S4 MX4SB4**	298	**A704_169.8 P132 BE132S4**	**A704_169.8 P132 BX132S4**	299
8.8	5323	2.6	166.1	75000	**A904_166.1 S4 ME4SB4**	**A904_166.1 S4 MX4SB4**	304	**A904_166.1 P132 BE132S4**	**A904_166.1 P132 BX132S4**	305
9.3	5137	1.6	156.8	65000	**A803_156.8 S4 ME4SB4**	**A803_156.8 S4 MX4SB4**	301	**A803_156.8 P132 BE132S4**	**A803_156.8 P132 BX132S4**	302
9.7	4947	2.8	151.0	75000	**A903_151.0 S4 ME4SB4**	**A903_151.0 S4 MX4SB4**	304	**A903_151.0 P132 BE132S4**	**A903_151.0 P132 BX132S4**	305
10.1	4742	1.7	144.7	65000	**A803_144.7 S4 ME4SB4**	**A803_144.7 S4 MX4SB4**	301	**A803_144.7 P132 BE132S4**	**A803_144.7 P132 BX132S4**	302
10.3	4647	1.1	141.9	50000	**A703_141.9 S4 ME4SB4**	**A703_141.9 S4 MX4SB4**	298	**A703_141.9 P132 BE132S4**	**A703_141.9 P132 BX132S4**	299
10.5	4567	2.8	139.4	75000	**A903_139.4 S4 ME4SB4**	**A903_139.4 S4 MX4SB4**	304	**A903_139.4 P132 BE132S4**	**A903_139.4 P132 BX132S4**	305
11.2	4281	1.2	130.7	50000	**A703_130.7 S4 ME4SB4**	**A703_130.7 S4 MX4SB4**	298	**A703_130.7 P132 BE132S4**	**A703_130.7 P132 BX132S4**	299
11.5	4149	3.2	126.6	75000	**A903_126.6 S4 ME4SB4**	**A903_126.6 S4 MX4SB4**	304	**A903_126.6 P132 BE132S4**	**A903_126.6 P132 BX132S4**	305
11.6	4115	1.9	125.6	65000	**A803_125.6 S4 ME4SB4**	**A803_125.6 S4 MX4SB4**	301	**A803_125.6 P132 BE132S4**	**A803_125.6 P132 BX132S4**	302
12.1	3951	1.3	120.6	50000	**A703_120.6 S4 ME4SB4**	**A703_120.6 S4 MX4SB4**	298	**A703_120.6 P132 BE132S4**	**A703_120.6 P132 BX132S4**	299
12.6	3799	2.1	116.0	65000	**A803_116.0 S4 ME4SB4**	**A803_116.0 S4 MX4SB4**	301	**A803_116.0 P132 BE132S4**	**A803_116.0 P132 BX132S4**	302
14.0	3415	1.5	104.2	50000	**A703_104.2 S4 ME4SB4**	**A703_104.2 S4 MX4SB4**	298	**A703_104.2 P132 BE132S4**	**A703_104.2 P132 BX132S4**	299
14.0	3408	2.3	104.0	65000	**A803_104.0 S4 ME4SB4**	**A803_104.0 S4 MX4SB4**	301	**A803_104.0 P132 BE132S4**	**A803_104.0 P132 BX132S4**	302
15.2	3152	1.6	96.2	50000	**A703_96.2 S4 ME4SB4**	**A703_96.2 S4 MX4SB4**	298	**A703_96.2 P132 BE132S4**	**A703_96.2 P132 BX132S4**	299
15.2	3146	2.5	96.0	65000	**A803_96.0 S4 ME4SB4**	**A803_96.0 S4 MX4SB4**	301	**A803_96.0 P132 BE132S4**	**A803_96.0 P132 BX132S4**	302
16.4	2922	2.7	89.2	65000	**A803_89.2 S4 ME4SB4**	**A803_89.2 S4 MX4SB4**	301	**A803_89.2 P132 BE132S4**	**A803_89.2 P132 BX132S4**	302
16.9	2829	1.0	86.4	30000	**A603_86.4 S4 ME4SB4**	**A603_86.4 S4 MX4SB4**	294	**A603_86.4 P132 BE132S4**	**A603_86.4 P132 BX132S4**	295
17.0	2815	1.8	85.9	50000	**A703_85.9 S4 ME4SB4**	**A703_85.9 S4 MX4SB4**	298	**A703_85.9 P132 BE132S4**	**A703_85.9 P132 BX132S4**	299
17.7	2697	3.0	82.3	65000	**A803_82.3 S4 ME4SB4**	**A803_82.3 S4 MX4SB4**	301	**A803_82.3 P132 BE132S4**	**A803_82.3 P132 BX132S4**	302
18.3	2612	1.1	79.7	30000	**A603_79.7 S4 ME4SB4**	**A603_79.7 S4 MX4SB4**	294	**A603_79.7 P132 BE132S4**	**A603_79.7 P132 BX132S4**	295
18.4	2599	1.9	79.3	50000	**A703_79.3 S4 ME4SB4**	**A703_79.3 S4 MX4SB4**	298	**A703_79.3 P132 BE132S4**	**A703_79.3 P132 BX132S4**	299
20.1	2376	2.1	72.5	50000	**A703_72.5 S4 ME4SB4**	**A703_72.5 S4 MX4SB4**	298	**A703_72.5 P132 BE132S4**	**A703_72.5 P132 BX132S4**	299
20.2	2371	3.4	72.4	65000	**A803_72.4 S4 ME4SB4**	**A803_72.4 S4 MX4SB4**	301	**A803_72.4 P132 BE132S4**	**A803_72.4 P132 BX132S4**	302
20.7	2306	1.2	70.4	30000	**A603_70.4 S4 ME4SB4**	**A603_70.4 S4 MX4SB4**	294	**A603_70.4 P132 BE132S4**	**A603_70.4 P132 BX132S4**	295
21.8	2193	2.3	66.9	50000	**A703_66.9 S4 ME4SB4**	**A703_66.9 S4 MX4SB4**	298	**A703_66.9 P132 BE132S4**	**A703_66.9 P132 BX132S4**	299
22.5	2129	1.3	65.0	30000	**A603_65.0 S4 ME4SB4**	**A603_65.0 S4 MX4SB4**	294	**A603_65.0 P132 BE132S4**	**A603_65.0 P132 BX132S4**	295
22.7	2107	0.9	64.3	30000	**A553_64.3 S4 ME4SB4**	**A553_64.3 S4 MX4SB4**	290	**A553_64.3 P132 BE132S4**	**A553_64.3 P132 BX132S4**	291
25.3	1889	2.6	57.7	50000	**A703_57.7 S4 ME4SB4**	**A703_57.7 S4 MX4SB4**	298	**A703_57.7 P132 BE132S4**	**A703_57.7 P132 BX132S4**	299
26.3	1822	1.5	55.6	30000	**A603_55.6 S4 ME4SB4**	**A603_55.6 S4 MX4SB4**	294	**A603_55.6 P132 BE132S4**	**A603_55.6 P132 BX132S4**	295
27.4	1744	2.9	53.2	50000	**A703_53.2 S4 ME4SB4**	**A703_53.2 S4 MX4SB4**	298	**A703_53.2 P132 BE132S4**	**A703_53.2 P132 BX132S4**	299
28.4	1681	1.7	51.3	30000	**A603_51.3 S4 ME4SB4**	**A603_51.3 S4 MX4SB4**	294	**A603_51.3 P132 BE132S4**	**A603_51.3 P132 BX132S4**	295
28.7	1669	1.2	51.0	30000	**A553_51.0 S4 ME4SB4**	**A553_51.0 S4 MX4SB4**	290	**A553_51.0 P132 BE132S4**	**A553_51.0 P132 BX132S4**	291
29.8	1605	3.1	49.0	50000	**A703_49.0 S4 ME4SB4**	**A703_49.0 S4 MX4SB4**	298	**A703_49.0 P132 BE132S4**	**A703_49.0 P132 BX132S4**	299
32	1482	3.2	45.2	50000	**A703_45.2 S4 ME4SB4**	**A703_45.2 S4 MX4SB4**	298	**A703_45.2 P132 BE132S4**	**A703_45.2 P132 BX132S4**	299
32	1480	1.9	45.2	30000	**A603_45.2 S4 ME4SB4**	**A603_45.2 S4 MX4SB4**	294	**A603_45.2 P132 BE132S4**	**A603_45.2 P132 BX132S4**	295
32	1474	1.0	45.0	12400	**A503_45.0 S4 ME4SB4**	**A503_45.0 S4 MX4SB4**	286	**A503_45.0 P132 BE132S4**	**A503_45.0 P132 BX132S4**	287
35	1367	2.0	41.7	30000	**A603_41.7 S4 ME4SB4**	**A603_41.7 S4 MX4SB4**	294	**A603_41.7 P132 BE132S4**	**A603_41.7 P132 BX132S4**	295
36	1341	1.1	40.9	12600	**A503_40.9 S4 ME4SB4**	**A503_40.9 S4 MX4SB4**	286	**A503_40.9 P132 BE132S4**	**A503_40.9 P132 BX132S4**	287
36	1320	1.5	40.3	30000	**A553_40.3 S4 ME4SB4**	**A553_40.3 S4 MX4SB4**	290	**A553_40.3 P132 BE132S4**	**A553_40.3 P132 BX132S4**	291
41	1166	1.3	35.6	12700	**A503_35.6 S4 ME4SB4**	**A503_35.6 S4 MX4SB4**	286	**A503_35.6 P132 BE132S4**	**A503_35.6 P132 BX132S4**	287
43	1124	2.5	34.3	30000	**A603_34.3 S4 ME4SB4**	**A603_34.3 S4 MX4SB4**	294	**A603_34.3 P132 BE132S4**	**A603_34.3 P132 BX132S4**	295
45	1061	1.4	32.4	12700	**A503_32.4 S4 ME4SB4**	**A503_32.4 S4 MX4SB4**	286	**A503_32.4 P132 BE132S4**	**A503_32.4 P132 BX132S4**	287
46	1037	2.7	31.7	30000	**A603_31.7 S4 ME4SB4**	**A603_31.7 S4 MX4SB4**	294	**A603_31.7 P132 BE132S4**	**A603_31.7 P132 BX132S4**	295

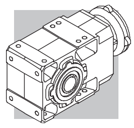


5.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IE2 (IEC)	IE3 (IEC)	
49	981	2.0	29.9	30000	**A553_29.9 S4 ME4SB4**	**A553_29.9 S4 MX4SB4**	290	**A553_29.9 P132 BE132S4**	**A553_29.9 P132 BX132S4**	291
52	912	3.1	27.9	30000	**A603_27.9 S4 ME4SB4**	**A603_27.9 S4 MX4SB4**	294	**A603_27.9 P132 BE132S4**	**A603_27.9 P132 BX132S4**	295
55	866	1.7	26.4	12600	**A503_26.4 S4 ME4SB4**	**A503_26.4 S4 MX4SB4**	286	**A503_26.4 P132 BE132S4**	**A503_26.4 P132 BX132S4**	287
57	842	3.3	25.7	30000	**A603_25.7 S4 ME4SB4**	**A603_25.7 S4 MX4SB4**	294	**A603_25.7 P132 BE132S4**	**A603_25.7 P132 BX132S4**	295
61	788	1.9	24.0	12500	**A503_24.0 S4 ME4SB4**	**A503_24.0 S4 MX4SB4**	286	**A503_24.0 P132 BE132S4**	**A503_24.0 P132 BX132S4**	287
61	779	2.5	23.8	29800	**A553_23.8 S4 ME4SB4**	**A553_23.8 S4 MX4SB4**	290	**A553_23.8 P132 BE132S4**	**A553_23.8 P132 BX132S4**	291
70	708	1.7	20.9	14400	**A502_20.9 S4 ME4SB4**	**A502_20.9 S4 MX4SB4**	286	**A502_20.9 P132 BE132S4**	**A502_20.9 P132 BX132S4**	287
71	697	2.9	20.6	30000	**A602_20.6 S4 ME4SB4**	**A602_20.6 S4 MX4SB4**	294	**A602_20.6 P132 BE132S4**	**A602_20.6 P132 BX132S4**	295
76	651	2.8	19.2	29300	**A552_19.2 S4 ME4SB4**	**A552_19.2 S4 MX4SB4**	290	**A552_19.2 P132 BE132S4**	**A552_19.2 P132 BX132S4**	291
82	601	1.0	17.8	9280	**A412_17.8 S4 ME4SB4**	**A412_17.8 S4 MX4SB4**	282	**A412_17.8 P132 BE132S4**	**A412_17.8 P132 BX132S4**	283
87	566	3.5	16.7	30000	**A602_16.7 S4 ME4SB4**	**A602_16.7 S4 MX4SB4**	294	**A602_16.7 P132 BE132S4**	**A602_16.7 P132 BX132S4**	295
88	561	2.1	16.6	13600	**A502_16.6 S4 ME4SB4**	**A502_16.6 S4 MX4SB4**	286	**A502_16.6 P132 BE132S4**	**A502_16.6 P132 BX132S4**	287
91	545	1.1	16.1	9160	**A412_16.1 S4 ME4SB4**	**A412_16.1 S4 MX4SB4**	282	**A412_16.1 P132 BE132S4**	**A412_16.1 P132 BX132S4**	283
93	531	3.4	15.7	27700	**A552_15.7 S4 ME4SB4**	**A552_15.7 S4 MX4SB4**	290	**A552_15.7 P132 BE132S4**	**A552_15.7 P132 BX132S4**	291
106	466	1.3	13.8	8940	**A412_13.8 S4 ME4SB4**	**A412_13.8 S4 MX4SB4**	282	**A412_13.8 P132 BE132S4**	**A412_13.8 P132 BX132S4**	283
111	444	2.5	13.1	12800	**A502_13.1 S4 ME4SB4**	**A502_13.1 S4 MX4SB4**	286	**A502_13.1 P132 BE132S4**	**A502_13.1 P132 BX132S4**	287
124	397	1.4	11.7	8670	**A412_11.7 S4 ME4SB4**	**A412_11.7 S4 MX4SB4**	282	**A412_11.7 P132 BE132S4**	**A412_11.7 P132 BX132S4**	283
124	399	1.0	11.8	6450	**A352_11.8 S4 ME4SB4**	**A352_11.8 S4 MX4SB4**	278	**A352_11.8 P132 BE132S4**	**A352_11.8 P132 BX132S4**	279
138	360	1.1	10.6	6360	**A352_10.6 S4 ME4SB4**	**A352_10.6 S4 MX4SB4**	278	**A352_10.6 P132 BE132S4**	**A352_10.6 P132 BX132S4**	279
144	343	1.6	10.1	8440	**A412_10.1 S4 ME4SB4**	**A412_10.1 S4 MX4SB4**	282	**A412_10.1 P132 BE132S4**	**A412_10.1 P132 BX132S4**	283
150	329	3.0	9.7	11800	**A502_9.7 S4 ME4SB4**	**A502_9.7 S4 MX4SB4**	286	**A502_9.7 P132 BE132S4**	**A502_9.7 P132 BX132S4**	287
157	315	1.3	9.3	6240	**A352_9.3 S4 ME4SB4**	**A352_9.3 S4 MX4SB4**	278	**A352_9.3 P132 BE132S4**	**A352_9.3 P132 BX132S4**	279
159	311	1.8	9.2	8250	**A412_9.2 S4 ME4SB4**	**A412_9.2 S4 MX4SB4**	282	**A412_9.2 P132 BE132S4**	**A412_9.2 P132 BX132S4**	283
173	286	1.3	8.5	6140	**A352_8.5 S4 ME4SB4**	**A352_8.5 S4 MX4SB4**	278	**A352_8.5 P132 BE132S4**	**A352_8.5 P132 BX132S4**	279
175	282	2.0	8.3	8080	**A412_8.3 S4 ME4SB4**	**A412_8.3 S4 MX4SB4**	282	**A412_8.3 P132 BE132S4**	**A412_8.3 P132 BX132S4**	283
205	241	2.3	7.1	7790	**A412_7.1 S4 ME4SB4**	**A412_7.1 S4 MX4SB4**	282	**A412_7.1 P132 BE132S4**	**A412_7.1 P132 BX132S4**	283
208	238	1.6	7.0	5930	**A352_7.0 S4 ME4SB4**	**A352_7.0 S4 MX4SB4**	278	**A352_7.0 P132 BE132S4**	**A352_7.0 P132 BX132S4**	279
228	217	1.6	6.4	5820	**A352_6.4 S4 ME4SB4**	**A352_6.4 S4 MX4SB4**	278	**A352_6.4 P132 BE132S4**	**A352_6.4 P132 BX132S4**	279
249	198	2.8	11.7	7430	**A412_11.7 S4 ME4SB2**		282	**A412_11.7 P132 BE132SA2**		283
270	183	1.9	5.4	5610	**A352_5.4 S4 ME4SB4**	**A352_5.4 S4 MX4SB4**	278	**A352_5.4 P132 BE132S4**	**A352_5.4 P132 BX132S4**	279
289	171	2.5	10.1	7170	**A412_10.1 S4 ME4SB2**		282	**A412_10.1 P132 BE132SA2**		283
416	119	3.1	7.0	5060	**A352_7.0 S4 ME4SB2**		278	**A352_7.0 P132 BE132SA2**		279

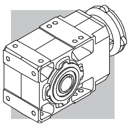
7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IE2 (IEC)	IE3 (IEC)	
4.1	15516	0.9	355.8	75000	**A904_355.8 S4 ME4LA4**	**A904_355.8 S4 MX4LA4**	304	**A904_355.8 P132 BE132MA4**	**A904_355.8 P132 BX132MA4**	305
4.8	13296	1.1	304.9	75000	**A904_304.9 S4 ME4LA4**	**A904_304.9 S4 MX4LA4**	304	**A904_304.9 P132 BE132MA4**	**A904_304.9 P132 BX132MA4**	305
5.2	12273	1.1	281.4	75000	**A904_281.4 S4 ME4LA4**	**A904_281.4 S4 MX4LA4**	304	**A904_281.4 P132 BE132MA4**	**A904_281.4 P132 BX132MA4**	305
6.4	9875	1.4	226.4	75000	**A904_226.4 S4 ME4LA4**	**A904_226.4 S4 MX4LA4**	304	**A904_226.4 P132 BE132MA4**	**A904_226.4 P132 BX132MA4**	305
7.0	9115	1.5	209.0	75000	**A904_209.0 S4 ME4LA4**	**A904_209.0 S4 MX4LA4**	304	**A904_209.0 P132 BE132MA4**	**A904_209.0 P132 BX132MA4**	305
8.1	7849	1.8	180.0	75000	**A904_180.0 S4 ME4LA4**	**A904_180.0 S4 MX4LA4**	304	**A904_180.0 P132 BE132MA4**	**A904_180.0 P132 BX132MA4**	305
8.5	7470	1.1	171.3	65000	**A804_171.3 S4 ME4LA4**	**A804_171.3 S4 MX4LA4**	301	**A804_171.3 P132 BE132MA4**	**A804_171.3 P132 BX132MA4**	302
8.8	7245	1.9	166.1	75000	**A904_166.1 S4 ME4LA4**	**A904_166.1 S4 MX4LA4**	304	**A904_166.1 P132 BE132MA4**	**A904_166.1 P132 BX132MA4**	305
9.3	6992	1.1	156.8	65000	**A803_156.8 S4 ME4LA4**	**A803_156.8 S4 MX4LA4**	301	**A803_156.8 P132 BE132MA4**	**A803_156.8 P132 BX132MA4**	302
9.6	6733	2.0	151.0	75000	**A903_151.0 S4 ME4LA4**	**A903_151.0 S4 MX4LA4**	304	**A903_151.0 P132 BE132MA4**	**A903_151.0 P132 BX132MA4**	305
10.1	6454	1.2	144.7	65000	**A803_144.7 S4 ME4LA4**	**A803_144.7 S4 MX4LA4**	301	**A803_144.7 P132 BE132MA4**	**A803_144.7 P132 BX132MA4**	302
10.4	6216	2.1	139.4	75000	**A903_139.4 S4 ME4LA4**	**A903_139.4 S4 MX4LA4**	304	**A903_139.4 P132 BE132MA4**	**A903_139.4 P132 BX132MA4**	305
11.5	5647	2.3	126.6	75000	**A903_126.6 S4 ME4LA4**	**A903_126.6 S4 MX4LA4**	304	**A903_126.6 P132 BE132MA4**	**A903_126.6 P132 BX132MA4**	305
11.6	5601	1.4	125.6	65000	**A803_125.6 S4 ME4LA4**	**A803_125.6 S4 MX4LA4**	301	**A803_125.6 P132 BE132MA4**	**A803_125.6 P132 BX132MA4**	302
12.1	5378	0.9	120.6	50000	**A703_120.6 S4 ME4LA4**	**A703_120.6 S4 MX4LA4**	298	**A703_120.6 P132 BE132MA4**	**A703_120.6 P132 BX132MA4**	299
12.4	5213	2.7	116.9	75000	**A903_116.9 S4 ME4LA4**	**A903_116.9 S4 MX4LA4**	304	**A903_116.9 P132 BE132MA4**	**A903_116.9 P132 BX132MA4**	305
12.5	5170	1.5	116.0	65000	**A803_116.0 S4 ME4LA4**	**A803_116.0 S4 MX4LA4**	301	**A803_116.0 P132 BE132MA4**	**A803_116.0 P132 BX132MA4**	302
13.6	4763	2.9	106.8	75000	**A903_106.8 S4 ME4LA4**	**A903_106.8 S4 MX4LA4**	304	**A903_106.8 P132 BE132MA4**	**A903_106.8 P132 BX132MA4**	305



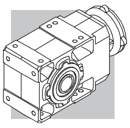
7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IE3	
14.0	4648	1.1	104.2	50000	**A703_104.2 S4 ME4LA4**	**A703_104.2 S4 MX4LA4**	298	**A703_104.2 P132 BE132MA4**	**A703_104.2 P132 BX132MA4**	299
14.0	4639	1.7	104.0	65000	**A803_104.0 S4 ME4LA4**	**A803_104.0 S4 MX4LA4**	301	**A803_104.0 P132 BE132MA4**	**A803_104.0 P132 BX132MA4**	302
14.8	4397	3.2	98.6	75000	**A903_98.6 S4 ME4LA4**	**A903_98.6 S4 MX4LA4**	304	**A903_98.6 P132 BE132MA4**	**A903_98.6 P132 BX132MA4**	305
15.1	4290	1.2	96.2	50000	**A703_96.2 S4 ME4LA4**	**A703_96.2 S4 MX4LA4**	298	**A703_96.2 P132 BE132MA4**	**A703_96.2 P132 BX132MA4**	299
15.2	4282	1.9	96.0	65000	**A803_96.0 S4 ME4LA4**	**A803_96.0 S4 MX4LA4**	301	**A803_96.0 P132 BE132MA4**	**A803_96.0 P132 BX132MA4**	302
16.3	3977	2.0	89.2	65000	**A803_89.2 S4 ME4LA4**	**A803_89.2 S4 MX4LA4**	301	**A803_89.2 P132 BE132MA4**	**A803_89.2 P132 BX132MA4**	302
16.9	3832	1.3	85.9	50000	**A703_85.9 S4 ME4LA4**	**A703_85.9 S4 MX4LA4**	298	**A703_85.9 P132 BE132MA4**	**A703_85.9 P132 BX132MA4**	299
17.7	3671	2.2	82.3	65000	**A803_82.3 S4 ME4LA4**	**A803_82.3 S4 MX4LA4**	301	**A803_82.3 P132 BE132MA4**	**A803_82.3 P132 BX132MA4**	302
18.3	3537	1.4	79.3	50000	**A703_79.3 S4 ME4LA4**	**A703_79.3 S4 MX4LA4**	298	**A703_79.3 P132 BE132MA4**	**A703_79.3 P132 BX132MA4**	299
20.1	3234	1.5	72.5	50000	**A703_72.5 S4 ME4LA4**	**A703_72.5 S4 MX4LA4**	298	**A703_72.5 P132 BE132MA4**	**A703_72.5 P132 BX132MA4**	299
20.1	3227	2.5	72.4	65000	**A803_72.4 S4 ME4LA4**	**A803_72.4 S4 MX4LA4**	301	**A803_72.4 P132 BE132MA4**	**A803_72.4 P132 BX132MA4**	302
20.7	3139	0.9	70.4	30000	**A603_70.4 S4 ME4LA4**	**A603_70.4 S4 MX4LA4**	294	**A603_70.4 P132 BE132MA4**	**A603_70.4 P132 BX132MA4**	295
21.7	2985	1.7	66.9	50000	**A703_66.9 S4 ME4LA4**	**A703_66.9 S4 MX4LA4**	298	**A703_66.9 P132 BE132MA4**	**A703_66.9 P132 BX132MA4**	299
21.8	2979	2.7	66.8	65000	**A803_66.8 S4 ME4LA4**	**A803_66.8 S4 MX4LA4**	301	**A803_66.8 P132 BE132MA4**	**A803_66.8 P132 BX132MA4**	302
22.4	2898	1.0	65.0	30000	**A603_65.0 S4 ME4LA4**	**A603_65.0 S4 MX4LA4**	294	**A603_65.0 P132 BE132MA4**	**A603_65.0 P132 BX132MA4**	295
24.3	2666	3.0	59.8	63800	**A803_59.8 S4 ME4LA4**	**A803_59.8 S4 MX4LA4**	301	**A803_59.8 P132 BE132MA4**	**A803_59.8 P132 BX132MA4**	302
25.2	2571	1.9	57.7	50000	**A703_57.7 S4 ME4LA4**	**A703_57.7 S4 MX4LA4**	298	**A703_57.7 P132 BE132MA4**	**A703_57.7 P132 BX132MA4**	299
26.2	2479	1.1	55.6	30000	**A603_55.6 S4 ME4LA4**	**A603_55.6 S4 MX4LA4**	294	**A603_55.6 P132 BE132MA4**	**A603_55.6 P132 BX132MA4**	295
26.4	2461	3.2	55.2	62600	**A803_55.2 S4 ME4LA4**	**A803_55.2 S4 MX4LA4**	301	**A803_55.2 P132 BE132MA4**	**A803_55.2 P132 BX132MA4**	302
27.3	2374	2.1	53.2	50000	**A703_53.2 S4 ME4LA4**	**A703_53.2 S4 MX4LA4**	298	**A703_53.2 P132 BE132MA4**	**A703_53.2 P132 BX132MA4**	299
28.3	2289	1.2	51.3	30000	**A603_51.3 S4 ME4LA4**	**A603_51.3 S4 MX4LA4**	294	**A603_51.3 P132 BE132MA4**	**A603_51.3 P132 BX132MA4**	295
29.7	2185	2.3	49.0	50000	**A703_49.0 S4 ME4LA4**	**A703_49.0 S4 MX4LA4**	298	**A703_49.0 P132 BE132MA4**	**A703_49.0 P132 BX132MA4**	299
32	2017	2.4	45.2	50000	**A703_45.2 S4 ME4LA4**	**A703_45.2 S4 MX4LA4**	298	**A703_45.2 P132 BE132MA4**	**A703_45.2 P132 BX132MA4**	299
32	2015	1.4	45.2	30000	**A603_45.2 S4 ME4LA4**	**A603_45.2 S4 MX4LA4**	294	**A603_45.2 P132 BE132MA4**	**A603_45.2 P132 BX132MA4**	295
35	1860	1.5	41.7	30000	**A603_41.7 S4 ME4LA4**	**A603_41.7 S4 MX4LA4**	294	**A603_41.7 P132 BE132MA4**	**A603_41.7 P132 BX132MA4**	295
36	1797	1.1	40.3	30000	**A553_40.3 S4 ME4LA4**	**A553_40.3 S4 MX4LA4**	290	**A553_40.3 P132 BE132MA4**	**A553_40.3 P132 BX132MA4**	291
38	1712	2.8	38.4	50000	**A703_38.4 S4 ME4LA4**	**A703_38.4 S4 MX4LA4**	298	**A703_38.4 P132 BE132MA4**	**A703_38.4 P132 BX132MA4**	299
41	1587	0.9	35.6	10100	**A503_35.6 S4 ME4LA4**	**A503_35.6 S4 MX4LA4**	286	**A503_35.6 P132 BE132MA4**	**A503_35.6 P132 BX132MA4**	287
41	1580	2.8	35.4	50000	**A703_35.4 S4 ME4LA4**	**A703_35.4 S4 MX4LA4**	298	**A703_35.4 P132 BE132MA4**	**A703_35.4 P132 BX132MA4**	299
42	1529	1.8	34.3	30000	**A603_34.3 S4 ME4LA4**	**A603_34.3 S4 MX4LA4**	294	**A603_34.3 P132 BE132MA4**	**A603_34.3 P132 BX132MA4**	295
45	1444	1.0	32.4	10300	**A503_32.4 S4 ME4LA4**	**A503_32.4 S4 MX4LA4**	286	**A503_32.4 P132 BE132MA4**	**A503_32.4 P132 BX132MA4**	287
46	1412	2.0	31.7	30000	**A603_31.7 S4 ME4LA4**	**A603_31.7 S4 MX4LA4**	294	**A603_31.7 P132 BE132MA4**	**A603_31.7 P132 BX132MA4**	295
49	1335	1.5	29.9	30000	**A553_29.9 S4 ME4LA4**	**A553_29.9 S4 MX4LA4**	290	**A553_29.9 P132 BE132MA4**	**A553_29.9 P132 BX132MA4**	291
52	1242	2.3	27.9	30000	**A603_27.9 S4 ME4LA4**	**A603_27.9 S4 MX4LA4**	294	**A603_27.9 P132 BE132MA4**	**A603_27.9 P132 BX132MA4**	295
55	1179	1.3	26.4	10700	**A503_26.4 S4 ME4LA4**	**A503_26.4 S4 MX4LA4**	286	**A503_26.4 P132 BE132MA4**	**A503_26.4 P132 BX132MA4**	287
57	1146	2.4	25.7	30000	**A603_25.7 S4 ME4LA4**	**A603_25.7 S4 MX4LA4**	294	**A603_25.7 P132 BE132MA4**	**A603_25.7 P132 BX132MA4**	295
61	1072	1.4	24.0	10800	**A503_24.0 S4 ME4LA4**	**A503_24.0 S4 MX4LA4**	286	**A503_24.0 P132 BE132MA4**	**A503_24.0 P132 BX132MA4**	287
61	1061	1.8	23.8	28800	**A553_23.8 S4 ME4LA4**	**A553_23.8 S4 MX4LA4**	290	**A553_23.8 P132 BE132MA4**	**A553_23.8 P132 BX132MA4**	291
70	963	1.2	20.9	13700	**A502_20.9 S4 ME4LA4**	**A502_20.9 S4 MX4LA4**	286	**A502_20.9 P132 BE132MA4**	**A502_20.9 P132 BX132MA4**	287
71	949	2.1	20.6	30000	**A602_20.6 S4 ME4LA4**	**A602_20.6 S4 MX4LA4**	294	**A602_20.6 P132 BE132MA4**	**A602_20.6 P132 BX132MA4**	295
76	886	2.0	19.2	28800	**A552_19.2 S4 ME4LA4**	**A552_19.2 S4 MX4LA4**	290	**A552_19.2 P132 BE132MA4**	**A552_19.2 P132 BX132MA4**	291
87	771	2.6	16.7	30000	**A602_16.7 S4 ME4LA4**	**A602_16.7 S4 MX4LA4**	294	**A602_16.7 P132 BE132MA4**	**A602_16.7 P132 BX132MA4**	295
88	763	1.6	16.6	13000	**A502_16.6 S4 ME4LA4**	**A502_16.6 S4 MX4LA4**	286	**A502_16.6 P132 BE132MA4**	**A502_16.6 P132 BX132MA4**	287
93	722	2.5	15.7	27300	**A552_15.7 S4 ME4LA4**	**A552_15.7 S4 MX4LA4**	290	**A552_15.7 P132 BE132MA4**	**A552_15.7 P132 BX132MA4**	291
106	634	0.9	13.8	8130	**A412_13.8 S4 ME4LA4**	**A412_13.8 S4 MX4LA4**	282	**A412_13.8 P132 BE132MA4**	**A412_13.8 P132 BX132MA4**	283
111	604	1.8	13.1	12300	**A502_13.1 S4 ME4LA4**	**A502_13.1 S4 MX4LA4**	286	**A502_13.1 P132 BE132MA4**	**A502_13.1 P132 BX132MA4**	287
111	602	3.0	13.1	26100	**A552_13.1 S4 ME4LA4**	**A552_13.1 S4 MX4LA4**	290	**A552_13.1 P132 BE132MA4**	**A552_13.1 P132 BX132MA4**	291
115	585	3.4	12.7	30000	**A602_12.7 S4 ME4LA4**	**A602_12.7 S4 MX4LA4**	294	**A602_12.7 P132 BE132MA4**	**A602_12.7 P132 BX132MA4**	295
124	541	1.0	11.7	7970	**A412_11.7 S4 ME4LA4**	**A412_11.7 S4 MX4LA4**	282	**A412_11.7 P132 BE132MA4**	**A412_11.7 P132 BX132MA4**	283
144	467	1.1	10.1	7850	**A412_10.1 S4 ME4LA4**	**A412_10.1 S4 MX4LA4**	282	**A412_10.1 P132 BE132MA4**	**A412_10.1 P132 BX132MA4**	283
149	448	2.2	9.7	11500	**A502_9.7 S4 ME4LA4**	**A502_9.7 S4 MX4LA4**	286	**A502_9.7 P132 BE132MA4**	**A502_9.7 P132 BX132MA4**	287
156	429	0.9	9.3	5650	**A352_9.3 S4 ME4LA4**	**A352_9.3 S4 MX4LA4**	278	**A352_9.3 P132 BE132MA4**	**A352_9.3 P132 BX132MA4**	279
158	424	1.3	9.2	7710	**A412_9.2 S4 ME4LA4**	**A412_9.2 S4 MX4LA4**	282	**A412_9.2 P132 BE132MA4**	**A412_9.2 P132 BX132MA4**	283
172	390	1.0	8.5	5600	**A352_8.5 S4 ME4LA4**	**A352_8.5 S4 MX4LA4**	278	**A352_8.5 P132 BE132MA4**	**A352_8.5 P132 BX132MA4**	279
175	384	1.4	8.3	7590	**A412_8.3 S4 ME4LA4**	**A412_8.3 S4 MX4LA4**	282	**A412_8.3 P132 BE132MA4**	**A412_8.3 P132 BX132MA4**	283
188	356	2.7	7.7	10800	**A502_7.7 S4 ME4LA4**	**A502_7.7 S4 MX4LA4**	286	**A502_7.7 P132 BE132MA4**	**A502_7.7 P132 BX132MA4**	287
204	328	1.7	7.1	7370	**A412_7.1 S4 ME4LA4**	**A412_7.1 S4 MX4LA4**	282	**A412_7.1 P132 BE132MA4**	**A412_7.1 P132 BX132MA4**	283
207	323	1.1	7.0	5490	**A352_7.0 S4 ME4LA4**	**A352_7.0 S4 MX4LA4**	278	**A352_7.0 P132 BE132MA4**	**A352_7.0 P132 BX132MA4**	279
227	295	1.2	6.4	5420	**A352_6.4 S4 ME4LA4**	**A352_6.4 S4 MX4LA4**	278	**A352_6.4 P132 BE132MA4**	**A352_6.4 P132 BX132MA4**	279
269	249	1.4	5.4	5270	**A352_5.4 S4 ME4LA4**	**A352_5.4 S4 MX4LA4**	278	**A352_5.4 P132 BE132MA4**	**A352_5.4 P132 BX132MA4**	279
277	242	2.3	5.2	6920	**A412_5.2 S4 ME4LA4**	**A412_5.2 S4 MX4LA4**	282	**A412_5.2 P132 BE132MA4**	**A412_5.2 P132 BX132MA4**	283
318	212	2.5	9.2	6710	**A412_9.2 S4 ME4LA2**		282	**A412_9.2 P132 BE132SB2**		283
351	192	2.7	8.3	6550	**A412_8.3 S4 ME4LA2**		282	**A412_8.3 P132 BE132SB2**		283
416	162	2.3	7.0	4830	**A352_7.0 S4 ME4LA2**		278	**A352_7.0 P132 BE132SB2**		279
540	125	2.7	5.4	4550	**A352_5.4 S4 ME4LA2**		278	**A352_5.4 P132 BE132SB2**		279



9.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
5.2	15279	0.9	281.4	75000	**A904_281.4 S4 ME4LB4**		304	**A904_281.4 P132 BE132MB4**	**A904_281.4 P160 BX160MA4**	305
6.4	12293	1.1	226.4	75000	**A904_226.4 S4 ME4LB4**		304	**A904_226.4 P132 BE132MB4**	**A904_226.4 P160 BX160MA4**	305
6.9	11347	1.2	209.0	75000	**A904_209.0 S4 ME4LB4**		304	**A904_209.0 P132 BE132MB4**	**A904_209.0 P160 BX160MA4**	305
8.1	9771	1.4	180.0	75000	**A904_180.0 S4 ME4LB4**		304	**A904_180.0 P132 BE132MB4**	**A904_180.0 P160 BX160MA4**	305
8.5	9300	0.9	171.3	65000	**A804_171.3 S4 ME4LB4**		301	**A804_171.3 P132 BE132MB4**		302
8.7	9019	1.6	166.1	75000	**A904_166.1 S4 ME4LB4**		304	**A904_166.1 P132 BE132MB4**	**A904_166.1 P160 BX160MA4**	305
9.2	8704	0.9	156.8	65000	**A803_156.8 S4 ME4LB4**	**A803_156.8 S5 MX5SA4**	301	**A803_156.8 P132 BE132MB4**	**A803_156.8 P160 BX160MA4**	302
9.6	8383	1.6	151.0	75000	**A903_151.0 S4 ME4LB4**	**A903_151.0 S5 MX5SA4**	304	**A903_151.0 P132 BE132MB4**	**A903_151.0 P160 BX160MA4**	305
10.0	8034	1.0	144.7	65000	**A803_144.7 S4 ME4LB4**	**A803_144.7 S5 MX5SA4**	301	**A803_144.7 P132 BE132MB4**	**A803_144.7 P160 BX160MA4**	302
10.4	7738	1.6	139.4	75000	**A903_139.4 S4 ME4LB4**	**A903_139.4 S5 MX5SA4**	304	**A903_139.4 P132 BE132MB4**	**A903_139.4 P160 BX160MA4**	305
11.4	7030	1.9	126.6	75000	**A903_126.6 S4 ME4LB4**	**A903_126.6 S5 MX5SA4**	304	**A903_126.6 P132 BE132MB4**	**A903_126.6 P160 BX160MA4**	305
11.5	6973	1.1	125.6	65000	**A803_125.6 S4 ME4LB4**	**A803_125.6 S5 MX5SA4**	301	**A803_125.6 P132 BE132MB4**	**A803_125.6 P160 BX160MA4**	302
12.4	6489	2.2	116.9	75000	**A903_116.9 S4 ME4LB4**	**A903_116.9 S5 MX5SA4**	304	**A903_116.9 P132 BE132MB4**	**A903_116.9 P160 BX160MA4**	305
12.5	6437	1.2	116.0	65000	**A803_116.0 S4 ME4LB4**	**A803_116.0 S5 MX5SA4**	301	**A803_116.0 P132 BE132MB4**	**A803_116.0 P160 BX160MA4**	302
13.6	5930	2.4	106.8	75000	**A903_106.8 S4 ME4LB4**	**A903_106.8 S5 MX5SA4**	304	**A903_106.8 P132 BE132MB4**	**A903_106.8 P160 BX160MA4**	305
13.9	5775	1.4	104.0	65000	**A803_104.0 S4 ME4LB4**	**A803_104.0 S5 MX5SA4**	301	**A803_104.0 P132 BE132MB4**	**A803_104.0 P160 BX160MA4**	302
14.7	5473	2.6	98.6	75000	**A903_98.6 S4 ME4LB4**	**A903_98.6 S5 MX5SA4**	304	**A903_98.6 P132 BE132MB4**	**A903_98.6 P160 BX160MA4**	305
15.1	5341	0.9	96.2	50000	**A703_96.2 S4 ME4LB4**	**A703_96.2 S5 MX5SA4**	298	**A703_96.2 P132 BE132MB4**	**A703_96.2 P160 BX160MA4**	299
15.1	5331	1.5	96.0	65000	**A803_96.0 S4 ME4LB4**	**A803_96.0 S5 MX5SA4**	301	**A803_96.0 P132 BE132MB4**	**A803_96.0 P160 BX160MA4**	302
16.3	4950	1.6	89.2	65000	**A803_89.2 S4 ME4LB4**	**A803_89.2 S5 MX5SA4**	301	**A803_89.2 P132 BE132MB4**	**A803_89.2 P160 BX160MA4**	302
16.7	4833	2.9	87.1	75000	**A903_87.1 S4 ME4LB4**	**A903_87.1 S5 MX5SA4**	304	**A903_87.1 P132 BE132MB4**	**A903_87.1 P160 BX160MA4**	305
16.9	4770	1.0	85.9	50000	**A703_85.9 S4 ME4LB4**	**A703_85.9 S5 MX5SA4**	298	**A703_85.9 P132 BE132MB4**	**A703_85.9 P160 BX160MA4**	299
17.6	4570	1.8	82.3	65000	**A803_82.3 S4 ME4LB4**	**A803_82.3 S5 MX5SA4**	301	**A803_82.3 P132 BE132MB4**	**A803_82.3 P160 BX160MA4**	302
18.0	4461	3.1	80.4	75000	**A903_80.4 S4 ME4LB4**	**A903_80.4 S5 MX5SA4**	304	**A903_80.4 P132 BE132MB4**	**A903_80.4 P160 BX160MA4**	305
18.3	4403	1.1	79.3	50000	**A703_79.3 S4 ME4LB4**	**A703_79.3 S5 MX5SA4**	298	**A703_79.3 P132 BE132MB4**	**A703_79.3 P160 BX160MA4**	299
19.5	4134	3.4	74.5	75000	**A903_74.5 S4 ME4LB4**	**A903_74.5 S5 MX5SA4**	304	**A903_74.5 P132 BE132MB4**	**A903_74.5 P160 BX160MA4**	305
20.0	4026	1.2	72.5	50000	**A703_72.5 S4 ME4LB4**	**A703_72.5 S5 MX5SA4**	298	**A703_72.5 P132 BE132MB4**	**A703_72.5 P160 BX160MA4**	299
20.0	4017	2.0	72.4	65000	**A803_72.4 S4 ME4LB4**	**A803_72.4 S5 MX5SA4**	301	**A803_72.4 P132 BE132MB4**	**A803_72.4 P160 BX160MA4**	302
21.7	3716	1.3	66.9	50000	**A703_66.9 S4 ME4LB4**	**A703_66.9 S5 MX5SA4**	298	**A703_66.9 P132 BE132MB4**	**A703_66.9 P160 BX160MA4**	299
21.7	3708	2.2	66.8	63800	**A803_66.8 S4 ME4LB4**	**A803_66.8 S5 MX5SA4**	301	**A803_66.8 P132 BE132MB4**	**A803_66.8 P160 BX160MA4**	302
24.3	3318	2.4	59.8	62400	**A803_59.8 S4 ME4LB4**	**A803_59.8 S5 MX5SA4**	301	**A803_59.8 P132 BE132MB4**	**A803_59.8 P160 BX160MA4**	302
25.1	3201	1.6	57.7	50000	**A703_57.7 S4 ME4LB4**	**A703_57.7 S5 MX5SA4**	298	**A703_57.7 P132 BE132MB4**	**A703_57.7 P160 BX160MA4**	299
26.1	3087	0.9	55.6	30000	**A603_55.6 S4 ME4LB4**	**A603_55.6 S5 MX5SA4**	294	**A603_55.6 P132 BE132MB4**	**A603_55.6 P160 BX160MA4**	295
26.3	3063	2.6	55.2	61300	**A803_55.2 S4 ME4LB4**	**A803_55.2 S5 MX5SA4**	301	**A803_55.2 P132 BE132MB4**	**A803_55.2 P160 BX160MA4**	302
27.2	2955	1.7	53.2	50000	**A703_53.2 S4 ME4LB4**	**A703_53.2 S5 MX5SA4**	298	**A703_53.2 P132 BE132MB4**	**A703_53.2 P160 BX160MA4**	299
28.3	2849	1.0	51.3	30000	**A603_51.3 S4 ME4LB4**	**A603_51.3 S5 MX5SA4**	294	**A603_51.3 P132 BE132MB4**	**A603_51.3 P160 BX160MA4**	295
29.6	2720	1.8	49.0	50000	**A703_49.0 S4 ME4LB4**	**A703_49.0 S5 MX5SA4**	298	**A703_49.0 P132 BE132MB4**	**A703_49.0 P160 BX160MA4**	299
30	2675	3.0	48.2	59500	**A803_48.2 S4 ME4LB4**	**A803_48.2 S5 MX5SA4**	301	**A803_48.2 P132 BE132MB4**	**A803_48.2 P160 BX160MA4**	302
32	2511	1.9	45.2	50000	**A703_45.2 S4 ME4LB4**	**A703_45.2 S5 MX5SA4**	298	**A703_45.2 P132 BE132MB4**	**A703_45.2 P160 BX160MA4**	299
32	2508	1.1	45.2	30000	**A603_45.2 S4 ME4LB4**	**A603_45.2 S5 MX5SA4**	294	**A603_45.2 P132 BE132MB4**	**A603_45.2 P160 BX160MA4**	295
33	2469	3.0	44.5	58400	**A803_44.5 S4 ME4LB4**	**A803_44.5 S5 MX5SA4**	301	**A803_44.5 P132 BE132MB4**	**A803_44.5 P160 BX160MA4**	302
35	2315	1.2	41.7	30000	**A603_41.7 S4 ME4LB4**	**A603_41.7 S5 MX5SA4**	294	**A603_41.7 P132 BE132MB4**	**A603_41.7 P160 BX160MA4**	295
38	2131	2.3	38.4	50000	**A703_38.4 S4 ME4LB4**	**A703_38.4 S5 MX5SA4**	298	**A703_38.4 P132 BE132MB4**	**A703_38.4 P160 BX160MA4**	299
41	1967	2.3	35.4	50000	**A703_35.4 S4 ME4LB4**	**A703_35.4 S5 MX5SA4**	298	**A703_35.4 P132 BE132MB4**	**A703_35.4 P160 BX160MA4**	299
42	1904	1.5	34.3	30000	**A603_34.3 S4 ME4LB4**	**A603_34.3 S5 MX5SA4**	294	**A603_34.3 P132 BE132MB4**	**A603_34.3 P160 BX160MA4**	295
46	1758	1.6	31.7	30000	**A603_31.7 S4 ME4LB4**	**A603_31.7 S5 MX5SA4**	294	**A603_31.7 P132 BE132MB4**	**A603_31.7 P160 BX160MA4**	295
48	1661	1.2	29.9	29100	**A553_29.9 S4 ME4LB4**	**A553_29.9 S5 MX5SA4**	290	**A553_29.9 P132 BE132MB4**	**A553_29.9 P160 BX160MA4**	291
52	1546	1.8	27.9	30000	**A603_27.9 S4 ME4LB4**	**A603_27.9 S5 MX5SA4**	294	**A603_27.9 P132 BE132MB4**	**A603_27.9 P160 BX160MA4**	295
55	1468	1.0	26.4	9130	**A503_26.4 S4 ME4LB4**	**A503_26.4 S5 MX5SA4**	286	**A503_26.4 P132 BE132MB4**	**A503_26.4 P160 BX160MA4**	287
56	1427	2.0	25.7	30000	**A603_25.7 S4 ME4LB4**	**A603_25.7 S5 MX5SA4**	294	**A603_25.7 P132 BE132MB4**	**A603_25.7 P160 BX160MA4**	295
60	1335	1.1	24.0	9370	**A503_24.0 S4 ME4LB4**	**A503_24.0 S5 MX5SA4**	286	**A503_24.0 P132 BE132MB4**	**A503_24.0 P160 BX160MA4**	287
61	1321	1.5	23.8	27900	**A553_23.8 S4 ME4LB4**	**A553_23.8 S5 MX5SA4**	290	**A553_23.8 P132 BE132MB4**	**A553_23.8 P160 BX160MA4**	291
68	1183	3.4	21.3	46000	**A703_21.3 S4 ME4LB4**	**A703_21.3 S5 MX5SA4**	298	**A703_21.3 P132 BE132MB4**	**A703_21.3 P160 BX160MA4**	299
69	1199	1.0	20.9	13000	**A502_20.9 S4 ME4LB4**	**A502_20.9 S5 MX5SA4**	286	**A502_20.9 P132 BE132MB4**	**A502_20.9 P160 BX160MA4**	287
70	1181	1.7	20.6	30000	**A602_20.6 S4 ME4LB4**	**A602_20.6 S5 MX5SA4**	294	**A602_20.6 P132 BE132MB4**	**A602_20.6 P160 BX160MA4**	295
74	1092	3.4	19.7	45100	**A703_19.7 S4 ME4LB4**	**A703_19.7 S5 MX5SA4**	298	**A703_19.7 P132 BE132MB4**	**A703_19.7 P160 BX160MA4**	299
75	1103	1.6	19.2	28400	**A552_19.2 S4 ME4LB4**	**A552_19.2 S5 MX5SA4**	290	**A552_19.2 P132 BE132MB4**	**A552_19.2 P160 BX160MA4**	291

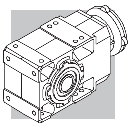


9.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
87	960	2.1	16.7	30000	**A602_16.7 S4 ME4LB4**	**A602_16.7 S5 MX5SA4**	294	**A602_16.7 P132 BE132MB4**	**A602_16.7 P160 BX160MA4**	295
88	950	1.3	16.6	12500	**A502_16.6 S4 ME4LB4**	**A502_16.6 S5 MX5SA4**	286	**A502_16.6 P132 BE132MB4**	**A502_16.6 P160 BX160MA4**	287
92	899	2.0	15.7	27000	**A552_15.7 S4 ME4LB4**	**A552_15.7 S5 MX5SA4**	290	**A552_15.7 P132 BE132MB4**	**A552_15.7 P160 BX160MA4**	291
111	752	1.5	13.1	11900	**A502_13.1 S4 ME4LB4**	**A502_13.1 S5 MX5SA4**	286	**A502_13.1 P132 BE132MB4**	**A502_13.1 P160 BX160MA4**	287
111	750	2.4	13.1	25800	**A552_13.1 S4 ME4LB4**	**A552_13.1 S5 MX5SA4**	290	**A552_13.1 P132 BE132MB4**	**A552_13.1 P160 BX160MA4**	291
114	728	2.7	12.7	30000	**A602_12.7 S4 ME4LB4**	**A602_12.7 S5 MX5SA4**	294	**A602_12.7 P132 BE132MB4**	**A602_12.7 P160 BX160MA4**	295
123	651	2.5	23.8	24100	**A553_23.8 S4 ME4LB2**	**A553_23.8 S5 ME4LB2**	290	**A553_23.8 P132 BE132MB2**	**A553_23.8 P160 BE132MB2**	291
140	594	3.0	10.4	24200	**A552_10.4 S4 ME4LB4**	**A552_10.4 S5 MX5SA4**	290	**A552_10.4 P132 BE132MB4**	**A552_10.4 P160 BX160MA4**	291
141	592	3.4	10.3	30000	**A602_10.3 S4 ME4LB4**	**A602_10.3 S5 MX5SA4**	294	**A602_10.3 P132 BE132MB4**	**A602_10.3 P160 BX160MA4**	295
143	581	0.9	10.1	7340	**A412_10.1 S4 ME4LB4**		282	**A412_10.1 P132 BE132MB4**		283
149	558	1.8	9.7	11200	**A502_9.7 S4 ME4LB4**	**A502_9.7 S5 MX5SA4**	286	**A502_9.7 P132 BE132MB4**	**A502_9.7 P160 BX160MA4**	287
158	527	1.0	9.2	7250	**A412_9.2 S4 ME4LB4**		282	**A412_9.2 P132 BE132MB4**		283
174	478	1.2	8.3	7170	**A412_8.3 S4 ME4LB4**		282	**A412_8.3 P132 BE132MB4**		283
187	444	2.1	7.7	10600	**A502_7.7 S4 ME4LB4**	**A502_7.7 S5 MX5SA4**	286	**A502_7.7 P132 BE132MB4**	**A502_7.7 P160 BX160MA4**	287
204	408	1.3	7.1	7020	**A412_7.1 S4 ME4LB4**		282	**A412_7.1 P132 BE132MB4**		283
206	403	0.9	7.0	5110	**A352_7.0 S4 ME4LB4**		278	**A352_7.0 P132 BE132MB4**		279
226	368	1.0	6.4	5070	**A352_6.4 S4 ME4LB4**		278	**A352_6.4 P132 BE132MB4**		279
268	310	1.1	5.4	4980	**A352_5.4 S4 ME4LB4**		278	**A352_5.4 P132 BE132MB4**		279
276	301	1.8	5.2	6660	**A412_5.2 S4 ME4LB4**		282	**A412_5.2 P132 BE132MB4**		283
317	260	2.0	9.2	6480	**A412_9.2 S4 ME4LB2**		282	**A412_9.2 P132 BE132MB2**		283
377	219	3.4	7.7	8780	**A502_7.7 S4 ME4LB2**		286	**A502_7.7 P132 BE132MB2**		287
539	153	2.2	5.4	4410	**A352_5.4 S4 ME4LB2**		278	**A352_5.4 P132 BE132MB2**		279
557	148	3.0	5.2	5690	**A412_5.2 S4 ME4LB2**		282	**A412_5.2 P132 BE132MB2**		283

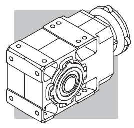
11 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
6.5	14510	1.0	226.4	75000	**A904_226.4 S5 ME5SA4**	**A904_226.4 S5 MX5SA4**	304	**A904_226.4 P160 BE160M4**	**A904_226.4 P160 BX160MB4**	305
7.0	13393	1.0	209.0	75000	**A904_209.0 S5 ME5SA4**	**A904_209.0 S5 MX5SA4**	304	**A904_209.0 P160 BE160M4**	**A904_209.0 P160 BX160MB4**	305
8.2	11533	1.2	180.0	75000	**A904_180.0 S5 ME5SA4**	**A904_180.0 S5 MX5SA4**	304	**A904_180.0 P160 BE160M4**	**A904_180.0 P160 BX160MB4**	305
8.8	10645	1.3	166.1	75000	**A904_166.1 S5 ME5SA4**	**A904_166.1 S5 MX5SA4**	304	**A904_166.1 P160 BE160M4**	**A904_166.1 P160 BX160MB4**	305
9.7	9894	1.4	151.0	75000	**A903_151.0 S5 ME5SA4**	**A903_151.0 S5 MX5SA4**	304	**A903_151.0 P160 BE160M4**	**A903_151.0 P160 BX160MB4**	305
10.5	9133	1.4	139.4	75000	**A903_139.4 S5 ME5SA4**	**A903_139.4 S5 MX5SA4**	304	**A903_139.4 P160 BE160M4**	**A903_139.4 P160 BX160MB4**	305
11.6	8298	1.6	126.6	75000	**A903_126.6 S5 ME5SA4**	**A903_126.6 S5 MX5SA4**	304	**A903_126.6 P160 BE160M4**	**A903_126.6 P160 BX160MB4**	305
11.7	8231	1.0	125.6	65000	**A803_125.6 S5 ME5SA4**	**A803_125.6 S5 MX5SA4**	301	**A803_125.6 P160 BE160M4**	**A803_125.6 P160 BX160MB4**	302
12.6	7660	1.8	116.9	75000	**A903_116.9 S5 ME5SA4**	**A903_116.9 S5 MX5SA4**	304	**A903_116.9 P160 BE160M4**	**A903_116.9 P160 BX160MB4**	305
12.7	7597	1.1	116.0	65000	**A803_116.0 S5 ME5SA4**	**A803_116.0 S5 MX5SA4**	301	**A803_116.0 P160 BE160M4**	**A803_116.0 P160 BX160MB4**	302
13.8	6999	2.0	106.8	75000	**A903_106.8 S5 ME5SA4**	**A903_106.8 S5 MX5SA4**	304	**A903_106.8 P160 BE160M4**	**A903_106.8 P160 BX160MB4**	305
14.1	6816	1.2	104.0	65000	**A803_104.0 S5 ME5SA4**	**A803_104.0 S5 MX5SA4**	301	**A803_104.0 P160 BE160M4**	**A803_104.0 P160 BX160MB4**	302
14.9	6460	2.2	98.6	75000	**A903_98.6 S5 ME5SA4**	**A903_98.6 S5 MX5SA4**	304	**A903_98.6 P160 BE160M4**	**A903_98.6 P160 BX160MB4**	305
15.3	6292	1.3	96.0	65000	**A803_96.0 S5 ME5SA4**	**A803_96.0 S5 MX5SA4**	301	**A803_96.0 P160 BE160M4**	**A803_96.0 P160 BX160MB4**	302
16.5	5843	1.4	89.2	65000	**A803_89.2 S5 ME5SA4**	**A803_89.2 S5 MX5SA4**	301	**A803_89.2 P160 BE160M4**	**A803_89.2 P160 BX160MB4**	302
16.9	5705	2.5	87.1	75000	**A903_87.1 S5 ME5SA4**	**A903_87.1 S5 MX5SA4**	304	**A903_87.1 P160 BE160M4**	**A903_87.1 P160 BX160MB4**	305
17.9	5394	1.5	82.3	64500	**A803_82.3 S5 ME5SA4**	**A803_82.3 S5 MX5SA4**	301	**A803_82.3 P160 BE160M4**	**A803_82.3 P160 BX160MB4**	302
18.3	5266	2.7	80.4	75000	**A903_80.4 S5 ME5SA4**	**A903_80.4 S5 MX5SA4**	304	**A903_80.4 P160 BE160M4**	**A903_80.4 P160 BX160MB4**	305
18.5	5198	1.0	79.3	50000	**A703_79.3 S5 ME5SA4**	**A703_79.3 S5 MX5SA4**	298	**A703_79.3 P160 BE160M4**	**A703_79.3 P160 BX160MB4**	299
19.7	4880	2.9	74.5	75000	**A903_74.5 S5 ME5SA4**	**A903_74.5 S5 MX5SA4**	304	**A903_74.5 P160 BE160M4**	**A903_74.5 P160 BX160MB4**	305
20.3	4752	1.1	72.5	50000	**A703_72.5 S5 ME5SA4**	**A703_72.5 S5 MX5SA4**	298	**A703_72.5 P160 BE160M4**	**A703_72.5 P160 BX160MB4**	299
20.3	4742	1.7	72.4	63200	**A803_72.4 S5 ME5SA4**	**A803_72.4 S5 MX5SA4**	301	**A803_72.4 P160 BE160M4**	**A803_72.4 P160 BX160MB4**	302
21.4	4505	3.1	68.8	75000	**A903_68.8 S5 ME5SA4**	**A903_68.8 S5 MX5SA4**	304	**A903_68.8 P160 BE160M4**	**A903_68.8 P160 BX160MB4**	305
22.0	4386	1.1	66.9	50000	**A703_66.9 S5 ME5SA4**	**A703_66.9 S5 MX5SA4**	298	**A703_66.9 P160 BE160M4**	**A703_66.9 P160 BX160MB4**	299



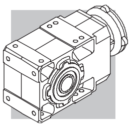
11 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
22.0	4377	1.8	66.8	62200	A803_66.8 S5 ME5SA4	A803_66.8 S5 MX5SA4	301	A803_66.8 P160 BE160M4	A803_66.8 P160 BX160MB4	302
24.6	3917	2.0	59.8	60900	A803_59.8 S5 ME5SA4	A803_59.8 S5 MX5SA4	301	A803_59.8 P160 BE160M4	A803_59.8 P160 BX160MB4	302
24.7	3906	3.6	59.6	75000	A903_59.6 S5 ME5SA4	A903_59.6 S5 MX5SA4	304	A903_59.6 P160 BE160M4	A903_59.6 P160 BX160MB4	305
25.5	3778	1.3	57.7	50000	A703_57.7 S5 ME5SA4	A703_57.7 S5 MX5SA4	298	A703_57.7 P160 BE160M4	A703_57.7 P160 BX160MB4	299
26.6	3615	2.2	55.2	59900	A803_55.2 S5 ME5SA4	A803_55.2 S5 MX5SA4	301	A803_55.2 P160 BE160M4	A803_55.2 P160 BX160MB4	302
27.6	3488	1.4	53.2	50000	A703_53.2 S5 ME5SA4	A703_53.2 S5 MX5SA4	298	A703_53.2 P160 BE160M4	A703_53.2 P160 BX160MB4	299
30	3210	1.6	49.0	50000	A703_49.0 S5 ME5SA4	A703_49.0 S5 MX5SA4	298	A703_49.0 P160 BE160M4	A703_49.0 P160 BX160MB4	299
31	3157	2.5	48.2	58300	A803_48.2 S5 ME5SA4	A803_48.2 S5 MX5SA4	301	A803_48.2 P160 BE160M4	A803_48.2 P160 BX160MB4	302
33	2964	1.6	45.2	50000	A703_45.2 S5 ME5SA4	A703_45.2 S5 MX5SA4	298	A703_45.2 P160 BE160M4	A703_45.2 P160 BX160MB4	299
33	2961	0.9	45.2	30000	A603_45.2 S5 ME5SA4	A603_45.2 S5 MX5SA4	294	A603_45.2 P160 BE160M4	A603_45.2 P160 BX160MB4	295
33	2914	2.6	44.5	57300	A803_44.5 S5 ME5SA4	A803_44.5 S5 MX5SA4	301	A803_44.5 P160 BE160M4	A803_44.5 P160 BX160MB4	302
35	2733	1.0	41.7	30000	A603_41.7 S5 ME5SA4	A603_41.7 S5 MX5SA4	294	A603_41.7 P160 BE160M4	A603_41.7 P160 BX160MB4	295
38	2523	3.0	38.5	55500				A803_38.5 P160 BE160M4	A803_38.5 P160 BX160MB4	302
38	2515	1.9	38.4	50000	A703_38.4 S5 ME5SA4	A703_38.4 S5 MX5SA4	298	A703_38.4 P160 BE160M4	A703_38.4 P160 BX160MB4	299
41	2328	3.0	35.5	54500				A803_35.5 P160 BE160M4	A803_35.5 P160 BX160MB4	302
41	2321	1.9	35.4	50000	A703_35.4 S5 ME5SA4	A703_35.4 S5 MX5SA4	298	A703_35.4 P160 BE160M4	A703_35.4 P160 BX160MB4	299
43	2247	1.2	34.3	30000	A603_34.3 S5 ME5SA4	A603_34.3 S5 MX5SA4	294	A603_34.3 P160 BE160M4	A603_34.3 P160 BX160MB4	295
46	2074	1.3	31.7	30000	A603_31.7 S5 ME5SA4	A603_31.7 S5 MX5SA4	294	A603_31.7 P160 BE160M4	A603_31.7 P160 BX160MB4	295
48	2003	3.2	30.6	52600				A803_30.6 P160 BE160M4	A803_30.6 P160 BX160MB4	302
49	1972	2.3	30.1	49400				A703_30.1 P160 BE160M4	A703_30.1 P160 BX160MB4	299
49	1961	1.0	29.9	28200	A553_29.9 S5 ME5SA4	A553_29.9 S5 MX5SA4	290	A553_29.9 P160 BE160M4	A553_29.9 P160 BX160MB4	291
52	1849	3.6	28.2	51600			5	A803_28.2 P160 BE160M4	A803_28.2 P160 BX160MB4	302
53	1825	1.5	27.9	30000	A603_27.9 S5 ME5SA4	A603_27.9 S5 MX5SA4	294	A603_27.9 P160 BE160M4	A603_27.9 P160 BX160MB4	295
53	1820	2.3	27.8	48500				A703_27.8 P160 BE160M4	A703_27.8 P160 BX160MB4	299
57	1685	1.7	25.7	30000	A603_25.7 S5 ME5SA4	A603_25.7 S5 MX5SA4	294	A603_25.7 P160 BE160M4	A603_25.7 P160 BX160MB4	295
61	1576	1.0	24.0	7800	A503_24.0 S5 ME5SA4	A503_24.0 S5 MX5SA4	286	A503_24.0 P160 BE160M4	A503_24.0 P160 BX160MB4	287
62	1559	1.3	23.8	26000	A553_23.8 S5 ME5SA4	A553_23.8 S5 MX5SA4	290	A553_23.8 P160 BE160M4	A553_23.8 P160 BX160MB4	291
63	1541	2.8	23.5	46600				A703_23.5 P160 BE160M4	A703_23.5 P160 BX160MB4	299
69	1396	2.9	21.3	45500	A703_21.3 S5 ME5SA4	A703_21.3 S5 MX5SA4	298	A703_21.3 P160 BE160M4	A703_21.3 P160 BX160MB4	299
70	1416	0.8	20.9		A502_20.9 S5 ME5SA4	A502_20.9 S5 MX5SA4	286	A502_20.9 P160 BE160M4	A502_20.9 P160 BX160MB4	287
71	1394	1.4	20.6	30000	A602_20.6 S5 ME5SA4	A602_20.6 S5 MX5SA4	294	A602_20.6 P160 BE160M4	A602_20.6 P160 BX160MB4	295
75	1288	2.9	19.7	44500	A703_19.7 S5 ME5SA4	A703_19.7 S5 MX5SA4	298	A703_19.7 P160 BE160M4	A703_19.7 P160 BX160MB4	299
76	1302	1.4	19.2	27900	A552_19.2 S5 ME5SA4	A552_19.2 S5 MX5SA4	290	A552_19.2 P160 BE160M4	A552_19.2 P160 BX160MB4	291
88	1133	1.8	16.7	30000	A602_16.7 S5 ME5SA4	A602_16.7 S5 MX5SA4	294	A602_16.7 P160 BE160M4	A602_16.7 P160 BX160MB4	295
89	1121	1.1	16.6	12000	A502_16.6 S5 ME5SA4	A502_16.6 S5 MX5SA4	286	A502_16.6 P160 BE160M4	A502_16.6 P160 BX160MB4	287
94	1061	1.7	15.7	26600	A552_15.7 S5 ME5SA4	A552_15.7 S5 MX5SA4	290	A552_15.7 P160 BE160M4	A552_15.7 P160 BX160MB4	291
112	887	1.2	13.1	11500	A502_13.1 S5 ME5SA4	A502_13.1 S5 MX5SA4	286	A502_13.1 P160 BE160M4	A502_13.1 P160 BX160MB4	287
112	885	2.0	13.1	25400	A552_13.1 S5 ME5SA4	A552_13.1 S5 MX5SA4	290	A552_13.1 P160 BE160M4	A552_13.1 P160 BX160MB4	291
116	860	2.3	12.7	30000	A602_12.7 S5 ME5SA4	A602_12.7 S5 MX5SA4	294	A602_12.7 P160 BE160M4	A602_12.7 P160 BX160MB4	295
124	773	2.1	23.8	23600	A553_23.8 S5 ME5SA2		290	A553_23.8 P160 BE160MA2		291
142	701	2.6	10.4	24000	A552_10.4 S5 ME5SA4	A552_10.4 S5 MX5SA4	290	A552_10.4 P160 BE160M4	A552_10.4 P160 BX160MB4	291
143	698	2.9	10.3	30000	A602_10.3 S5 ME5SA4	A602_10.3 S5 MX5SA4	294	A602_10.3 P160 BE160M4	A602_10.3 P160 BX160MB4	295
151	659	1.5	9.7	10800	A502_9.7 S5 ME5SA4	A502_9.7 S5 MX5SA4	286	A502_9.7 P160 BE160M4	A502_9.7 P160 BX160MB4	287
174	573	3.1	8.5	22800	A552_8.5 S5 ME5SA4	A552_8.5 S5 MX5SA4	290	A552_8.5 P160 BE160M4	A552_8.5 P160 BX160MB4	291
190	524	1.8	7.7	10300	A502_7.7 S5 ME5SA4	A502_7.7 S5 MX5SA4	286	A502_7.7 P160 BE160M4	A502_7.7 P160 BX160MB4	287
224	440	2.0	13.1	9920	A502_13.1 S5 ME5SA2		286	A502_13.1 P160 BE160MA2		287
380	260	2.8	7.7	8650	A502_7.7 S5 ME5SA2		286	A502_7.7 P160 BE160MA2		287



15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
8.2	15697	0.9	180.0	75000	**A904_180.0 S5 ME5LA4**	**A904_180.0 S5 MX5LA4**	304	**A904_180.0 P160 BE160L4**	**A904_180.0 P160 BX160L4**	305
8.8	14490	1.0	166.1	75000	**A904_166.1 S5 ME5LA4**	**A904_166.1 S5 MX5LA4**	304	**A904_166.1 P160 BE160L4**	**A904_166.1 P160 BX160L4**	305
9.7	13467	1.0	151.0	75000	**A903_151.0 S5 ME5LA4**	**A903_151.0 S5 MX5LA4**	304	**A903_151.0 P160 BE160L4**	**A903_151.0 P160 BX160L4**	305
10.5	12431	1.0	139.4	75000	**A903_139.4 S5 ME5LA4**	**A903_139.4 S5 MX5LA4**	304	**A903_139.4 P160 BE160L4**	**A903_139.4 P160 BX160L4**	305
11.6	11294	1.2	126.6	75000	**A903_126.6 S5 ME5LA4**	**A903_126.6 S5 MX5LA4**	304	**A903_126.6 P160 BE160L4**	**A903_126.6 P160 BX160L4**	305
12.6	10426	1.3	116.9	75000	**A903_116.9 S5 ME5LA4**	**A903_116.9 S5 MX5LA4**	304	**A903_116.9 P160 BE160L4**	**A903_116.9 P160 BX160L4**	305
13.8	9526	1.5	106.8	75000	**A903_106.8 S5 ME5LA4**	**A903_106.8 S5 MX5LA4**	304	**A903_106.8 P160 BE160L4**	**A903_106.8 P160 BX160L4**	305
14.9	8793	1.6	98.6	75000	**A903_98.6 S5 ME5LA4**	**A903_98.6 S5 MX5LA4**	304	**A903_98.6 P160 BE160L4**	**A903_98.6 P160 BX160L4**	305
15.3	8564	0.9	96.0	60600	**A803_96.0 S5 ME5LA4**	**A803_96.0 S5 MX5LA4**	301	**A803_96.0 P160 BE160L4**	**A803_96.0 P160 BX160L4**	302
16.5	7953	1.0	89.2	60400	**A803_89.2 S5 ME5LA4**	**A803_89.2 S5 MX5LA4**	301	**A803_89.2 P160 BE160L4**	**A803_89.2 P160 BX160L4**	302
16.9	7765	1.8	87.1	75000	**A903_87.1 S5 ME5LA4**	**A903_87.1 S5 MX5LA4**	304	**A903_87.1 P160 BE160L4**	**A903_87.1 P160 BX160L4**	305
17.9	7341	1.1	82.3	59800	**A803_82.3 S5 ME5LA4**	**A803_82.3 S5 MX5LA4**	301	**A803_82.3 P160 BE160L4**	**A803_82.3 P160 BX160L4**	302
18.3	7168	2.0	80.4	75000	**A903_80.4 S5 ME5LA4**	**A903_80.4 S5 MX5LA4**	304	**A903_80.4 P160 BE160L4**	**A903_80.4 P160 BX160L4**	305
19.7	6642	2.1	74.5	75000	**A903_74.5 S5 ME5LA4**	**A903_74.5 S5 MX5LA4**	304	**A903_74.5 P160 BE160L4**	**A903_74.5 P160 BX160L4**	305
20.3	6454	1.2	72.4	59100	**A803_72.4 S5 ME5LA4**	**A803_72.4 S5 MX5LA4**	301	**A803_72.4 P160 BE160L4**	**A803_72.4 P160 BX160L4**	302
21.4	6131	2.3	68.8	75000	**A903_68.8 S5 ME5LA4**	**A903_68.8 S5 MX5LA4**	304	**A903_68.8 P160 BE160L4**	**A903_68.8 P160 BX160L4**	305
22.0	5957	1.3	66.8	58300	**A803_66.8 S5 ME5LA4**	**A803_66.8 S5 MX5LA4**	301	**A803_66.8 P160 BE160L4**	**A803_66.8 P160 BX160L4**	302
24.6	5331	1.5	59.8	57500	**A803_59.8 S5 ME5LA4**	**A803_59.8 S5 MX5LA4**	301	**A803_59.8 P160 BE160L4**	**A803_59.8 P160 BX160L4**	302
24.7	5317	2.6	59.6	75000	**A903_59.6 S5 ME5LA4**	**A903_59.6 S5 MX5LA4**	304	**A903_59.6 P160 BE160L4**	**A903_59.6 P160 BX160L4**	305
25.5	5143	1.0	57.7	50000	**A703_57.7 S5 ME5LA4**	**A703_57.7 S5 MX5LA4**	298	**A703_57.7 P160 BE160L4**	**A703_57.7 P160 BX160L4**	299
26.6	4921	1.6	55.2	56700	**A803_55.2 S5 ME5LA4**	**A803_55.2 S5 MX5LA4**	301	**A803_55.2 P160 BE160L4**	**A803_55.2 P160 BX160L4**	302
26.7	4908	2.9	55.0	75000	**A903_55.0 S5 ME5LA4**	**A903_55.0 S5 MX5LA4**	304	**A903_55.0 P160 BE160L4**	**A903_55.0 P160 BX160L4**	305
27.6	4747	1.1	53.2	50000	**A703_53.2 S5 ME5LA4**	**A703_53.2 S5 MX5LA4**	298	**A703_53.2 P160 BE160L4**	**A703_53.2 P160 BX160L4**	299
30	4370	1.1	49.0	50000	**A703_49.0 S5 ME5LA4**	**A703_49.0 S5 MX5LA4**	298	**A703_49.0 P160 BE160L4**	**A703_49.0 P160 BX160L4**	299
30	4307	3.3	48.3	74900				**A903_48.3 P160 BE160L4**	**A903_48.3 P160 BX160L4**	305
31	4297	1.9	48.2	55500	**A803_48.2 S5 ME5LA4**	**A803_48.2 S5 MX5LA4**	301	**A803_48.2 P160 BE160L4**	**A803_48.2 P160 BX160L4**	302
33	4034	1.2	45.2	50000	**A703_45.2 S5 ME5LA4**	**A703_45.2 S5 MX5LA4**	298	**A703_45.2 P160 BE160L4**	**A703_45.2 P160 BX160L4**	299
33	3976	3.5	44.6	73500				**A903_44.6 P160 BE160L4**	**A903_44.6 P160 BX160L4**	305
33	3966	1.9	44.5	54700	**A803_44.5 S5 ME5LA4**	**A803_44.5 S5 MX5LA4**	301	**A803_44.5 P160 BE160L4**	**A803_44.5 P160 BX160L4**	302
38	3433	2.2	38.5	53200				**A803_38.5 P160 BE160L4**	**A803_38.5 P160 BX160L4**	302
38	3423	1.4	38.4	49900	**A703_38.4 S5 ME5LA4**	**A703_38.4 S5 MX5LA4**	298	**A703_38.4 P160 BE160L4**	**A703_38.4 P160 BX160L4**	299
41	3169	2.2	35.5	52300				**A803_35.5 P160 BE160L4**	**A803_35.5 P160 BX160L4**	302
41	3160	1.4	35.4	49100	**A703_35.4 S5 ME5LA4**	**A703_35.4 S5 MX5LA4**	298	**A703_35.4 P160 BE160L4**	**A703_35.4 P160 BX160L4**	299
43	3059	0.9	34.3	30000	**A603_34.3 S5 ME5LA4**	**A603_34.3 S5 MX5LA4**	294	**A603_34.3 P160 BE160L4**	**A603_34.3 P160 BX160L4**	295
46	2824	1.0	31.7	30000	**A603_31.7 S5 ME5LA4**	**A603_31.7 S5 MX5LA4**	294	**A603_31.7 P160 BE160L4**	**A603_31.7 P160 BX160L4**	295
48	2727	2.4	30.6	50800				**A803_30.6 P160 BE160L4**	**A803_30.6 P160 BX160L4**	302
49	2684	1.7	30.1	47600				**A703_30.1 P160 BE160L4**	**A703_30.1 P160 BX160L4**	299
52	2517	2.6	28.2	49900				**A803_28.2 P160 BE160L4**	**A803_28.2 P160 BX160L4**	302
53	2484	1.1	27.9	30000	**A603_27.9 S5 ME5LA4**	**A603_27.9 S5 MX5LA4**	294	**A603_27.9 P160 BE160L4**	**A603_27.9 P160 BX160L4**	295
53	2478	1.7	27.8	46700				**A703_27.8 P160 BE160L4**	**A703_27.8 P160 BX160L4**	299
57	2293	1.2	25.7	30000	**A603_25.7 S5 ME5LA4**	**A603_25.7 S5 MX5LA4**	294	**A603_25.7 P160 BE160L4**	**A603_25.7 P160 BX160L4**	295
62	2122	0.9	23.8	22600	**A553_23.8 S5 ME5LA4**	**A553_23.8 S5 MX5LA4**	290	**A553_23.8 P160 BE160L4**	**A553_23.8 P160 BX160L4**	291
63	2098	2.1	23.5	45100				**A703_23.5 P160 BE160L4**	**A703_23.5 P160 BX160L4**	299
69	1900	2.1	21.3	44100	**A703_21.3 S5 ME5LA4**	**A703_21.3 S5 MX5LA4**	298	**A703_21.3 P160 BE160L4**	**A703_21.3 P160 BX160L4**	299
70	1868	3.5	20.9	46600	**A803_20.9 S5 ME5LA4**	**A803_20.9 S5 MX5LA4**	301	**A803_20.9 P160 BE160L4**	**A803_20.9 P160 BX160L4**	302
71	1897	1.1	20.6	30000	**A602_20.6 S5 ME5LA4**	**A602_20.6 S5 MX5LA4**	294	**A602_20.6 P160 BE160L4**	**A602_20.6 P160 BX160L4**	295
75	1754	2.1	19.7	43300	**A703_19.7 S5 ME5LA4**	**A703_19.7 S5 MX5LA4**	298	**A703_19.7 P160 BE160L4**	**A703_19.7 P160 BX160L4**	299
76	1725	3.5	19.3	45700	**A803_19.3 S5 ME5LA4**	**A803_19.3 S5 MX5LA4**	301	**A803_19.3 P160 BE160L4**	**A803_19.3 P160 BX160L4**	302
76	1772	1.0	19.2	26800	**A552_19.2 S5 ME5LA4**	**A552_19.2 S5 MX5LA4**	290	**A552_19.2 P160 BE160L4**	**A552_19.2 P160 BX160L4**	291
88	1542	1.3	16.7	30000	**A602_16.7 S5 ME5LA4**	**A602_16.7 S5 MX5LA4**	294	**A602_16.7 P160 BE160L4**	**A602_16.7 P160 BX160L4**	295
88	1488	2.7	16.7	41600	**A703_16.7 S5 ME5LA4**	**A703_16.7 S5 MX5LA4**	298	**A703_16.7 P160 BE160L4**	**A703_16.7 P160 BX160L4**	299
94	1444	1.2	15.7	25700	**A552_15.7 S5 ME5LA4**	**A552_15.7 S5 MX5LA4**	290	**A552_15.7 P160 BE160L4**	**A552_15.7 P160 BX160L4**	291
95	1374	2.7	15.4	40800	**A703_15.4 S5 ME5LA4**	**A703_15.4 S5 MX5LA4**	298	**A703_15.4 P160 BE160L4**	**A703_15.4 P160 BX160L4**	299
112	1207	0.9	13.1	10500	**A502_13.1 S5 ME5LA4**	**A502_13.1 S5 MX5LA4**	286	**A502_13.1 P160 BE160L4**	**A502_13.1 P160 BX160L4**	287
112	1167	3.3	13.1	39200				**A703_13.1 P160 BE160L4**	**A703_13.1 P160 BX160L4**	299
112	1205	1.5	13.1	24700	**A552_13.1 S5 ME5LA4**	**A552_13.1 S5 MX5LA4**	290	**A552_13.1 P160 BE160L4**	**A552_13.1 P160 BX160L4**	291
116	1170	1.7	12.7	30000	**A602_12.7 S5 ME5LA4**	**A602_12.7 S5 MX5LA4**	294	**A602_12.7 P160 BE160L4**	**A602_12.7 P160 BX160L4**	295
122	1077	3.3	12.1	38400				**A703_12.1 P160 BE160L4**	**A703_12.1 P160 BX160L4**	299
142	954	1.9	10.4	23400	**A552_10.4 S5 ME5LA4**	**A552_10.4 S5 MX5LA4**	290	**A552_10.4 P160 BE160L4**	**A552_10.4 P160 BX160L4**	291
143	950	2.1	10.3	30000	**A602_10.3 S5 ME5LA4**	**A602_10.3 S5 MX5LA4**	294	**A602_10.3 P160 BE160L4**	**A602_10.3 P160 BX160L4**	295
151	897	1.1	9.7	10100	**A502_9.7 S5 ME5LA4**	**A502_9.7 S5 MX5LA4**	286	**A502_9.7 P160 BE160L4**	**A502_9.7 P160 BX160L4**	287
174	779	2.3	8.5	22200	**A552_8.5 S5 ME5LA4**	**A552_8.5 S5 MX5LA4**	290	**A552_8.5 P160 BE160L4**	**A552_8.5 P160 BX160L4**	291
187	724	2.8	7.9	28300	**A602_7.9 S5 ME5LA4**	**A602_7.9 S5 MX5LA4**	294	**A602_7.9 P160 BE160L4**	**A602_7.9 P160 BX160L4**	295

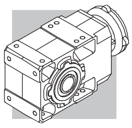


15 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
190	713	1.3	7.7	9750	**A502_7.7 S5 ME5LA4**	**A502_7.7 S5 MX5LA4**	286	**A502_7.7 P160 BE160L4**	**A502_7.7 P160 BX160L4**	287
229	591	2.9	6.4	20700	**A552_6.4 S5 ME5LA4**	**A552_6.4 S5 MX5LA4**	290	**A552_6.4 P160 BE160L4**	**A552_6.4 P160 BX160L4**	291
297	456	3.5	4.9	19400	**A552_4.9 S5 ME5LA4**	**A552_4.9 S5 MX5LA4**	290	**A552_4.9 P160 BE160L4**	**A552_4.9 P160 BX160L4**	291
302	446	1.8	9.7	8830	**A502_9.7 S5 ME5SB2**		286	**A502_9.7 P160 BE160MB2**		287
380	354	2.1	7.7	8350	**A502_7.7 S5 ME5SB2**		286	**A502_7.7 P160 BE160MB2**		287

18.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
11.6	13830	1.0	126.6	75000				**A903_126.6 P180 BE180M4**	**A903_126.6 P180 BX180M4**	305
12.6	12766	1.1	116.9	75000				**A903_116.9 P180 BE180M4**	**A903_116.9 P180 BX180M4**	305
13.8	11665	1.2	106.8	75000				**A903_106.8 P180 BE180M4**	**A903_106.8 P180 BX180M4**	305
14.9	10767	1.3	98.6	75000				**A903_98.6 P180 BE180M4**	**A903_98.6 P180 BX180M4**	305
16.9	9508	1.5	87.1	75000				**A903_87.1 P180 BE180M4**	**A903_87.1 P180 BX180M4**	305
18.3	8777	1.6	80.4	75000				**A903_80.4 P180 BE180M4**	**A903_80.4 P180 BX180M4**	305
19.7	8133	1.7	74.5	75000				**A903_74.5 P180 BE180M4**	**A903_74.5 P180 BX180M4**	305
20.3	7903	1.0	72.4	55600				**A803_72.4 P180 BE180M4**	**A803_72.4 P180 BX180M4**	302
21.4	7508	1.9	68.8	75000				**A903_68.8 P180 BE180M4**	**A903_68.8 P180 BX180M4**	305
22.0	7295	1.1	66.8	55100				**A803_66.8 P180 BE180M4**	**A803_66.8 P180 BX180M4**	302
24.6	6528	1.2	59.8	54700				**A803_59.8 P180 BE180M4**	**A803_59.8 P180 BX180M4**	302
24.7	6510	2.2	59.6	75000				**A903_59.6 P180 BE180M4**	**A903_59.6 P180 BX180M4**	305
26.6	6026	1.3	55.2	54100				**A803_55.2 P180 BE180M4**	**A803_55.2 P180 BX180M4**	302
26.7	6009	2.3	55.0	74900				**A903_55.0 P180 BE180M4**	**A903_55.0 P180 BX180M4**	305
30	5351	0.9	49.0	49600				**A703_49.0 P180 BE180M4**	**A703_49.0 P180 BX180M4**	299
30	5274	2.7	48.3	73100				**A903_48.3 P180 BE180M4**	**A903_48.3 P180 BX180M4**	305
31	5262	1.5	48.2	53200				**A803_48.2 P180 BE180M4**	**A803_48.2 P180 BX180M4**	302
33	4939	1.0	45.2	49000				**A703_45.2 P180 BE180M4**	**A703_45.2 P180 BX180M4**	299
33	4869	2.9	44.6	71800				**A903_44.6 P180 BE180M4**	**A903_44.6 P180 BX180M4**	305
33	4857	1.5	44.5	52500				**A803_44.5 P180 BE180M4**	**A803_44.5 P180 BX180M4**	302
38	4238	3.3	38.8	69700				**A903_38.8 P180 BE180M4**	**A903_38.8 P180 BX180M4**	305
38	4204	1.8	38.5	51400				**A803_38.5 P180 BE180M4**	**A803_38.5 P180 BX180M4**	302
38	4191	1.2	38.4	48000				**A703_38.4 P180 BE180M4**	**A703_38.4 P180 BX180M4**	299
41	3912	3.5	35.8	68500				**A903_35.8 P180 BE180M4**	**A903_35.8 P180 BX180M4**	305
41	3881	1.8	35.5	50600				**A803_35.5 P180 BE180M4**	**A803_35.5 P180 BX180M4**	302
41	3869	1.2	35.4	47300				**A703_35.4 P180 BE180M4**	**A703_35.4 P180 BX180M4**	299
48	3339	1.9	30.6	49300				**A803_30.6 P180 BE180M4**	**A803_30.6 P180 BX180M4**	302
49	3287	1.4	30.1	46100				**A703_30.1 P180 BE180M4**	**A703_30.1 P180 BX180M4**	299
52	3082	2.1	28.2	48500				**A803_28.2 P180 BE180M4**	**A803_28.2 P180 BX180M4**	302
53	3042	0.9	27.9	30000				**A603_27.9 P180 BE180M4**	**A603_27.9 P180 BX180M4**	295
53	3034	1.4	27.8	45300				**A703_27.8 P180 BE180M4**	**A703_27.8 P180 BX180M4**	299
57	2808	1.0	25.7	30000				**A603_25.7 P180 BE180M4**	**A603_25.7 P180 BX180M4**	295
60	2675	2.5	24.5	47200				**A803_24.5 P180 BE180M4**	**A803_24.5 P180 BX180M4**	302
63	2568	1.7	23.5	43900				**A703_23.5 P180 BE180M4**	**A703_23.5 P180 BX180M4**	299
65	2470	2.5	22.6	46300				**A803_22.6 P180 BE180M4**	**A803_22.6 P180 BX180M4**	302
69	2326	1.7	21.3	43000				**A703_21.3 P180 BE180M4**	**A703_21.3 P180 BX180M4**	299
70	2288	2.9	20.9	45600				**A803_20.9 P180 BE180M4**	**A803_20.9 P180 BX180M4**	302
71	2323	0.9	20.6	30000				**A602_20.6 P180 BE180M4**	**A602_20.6 P180 BX180M4**	295
75	2147	1.7	19.7	42300				**A703_19.7 P180 BE180M4**	**A703_19.7 P180 BX180M4**	299
76	2112	2.9	19.3	44800				**A803_19.3 P180 BE180M4**	**A803_19.3 P180 BX180M4**	302
88	1888	1.1	16.7	30000				**A602_16.7 P180 BE180M4**	**A602_16.7 P180 BX180M4**	295
88	1822	2.2	16.7	40800				**A703_16.7 P180 BE180M4**	**A703_16.7 P180 BX180M4**	299
94	1769	1.0	15.7	25000				**A552_15.7 P180 BE180M4**	**A552_15.7 P180 BX180M4**	291
95	1682	2.2	15.4	40100				**A703_15.4 P180 BE180M4**	**A703_15.4 P180 BX180M4**	299

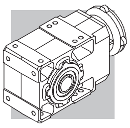


18.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IE3	
112	1429	2.7	13.1	38600				A703_13.1 P180 BE180M4	A703_13.1 P180 BX180M4	299
112	1475	1.2	13.1	24100				A552_13.1 P180 BE180M4	A552_13.1 P180 BX180M4	291
116	1433	1.4	12.7	30000				A602_12.7 P180 BE180M4	A602_12.7 P180 BX180M4	295
122	1319	2.7	12.1	37800				A703_12.1 P180 BE180M4	A703_12.1 P180 BX180M4	299
124	1299	1.2	23.8	21600	A553_23.8 S5 ME5LA2		290	A553_23.8 P160 BE160L2		291
142	1168	1.5	10.4	22900				A552_10.4 P180 BE180M4	A552_10.4 P180 BX180M4	291
143	1164	1.7	10.3	29900				A602_10.3 P180 BE180M4	A602_10.3 P180 BX180M4	295
144	1117	2.9	10.2	36300				A703_10.2 P180 BE180M4	A703_10.2 P180 BX180M4	299
151	1098	0.9	9.7	9530				A502_9.7 P180 BE180M4	A502_9.7 P180 BX180M4	287
156	1031	2.9	9.4	35600				A703_9.4 P180 BE180M4	A703_9.4 P180 BX180M4	299
174	954	1.9	8.5	21900				A552_8.5 P180 BE180M4	A552_8.5 P180 BX180M4	291
187	887	2.3	7.9	27900				A602_7.9 P180 BE180M4	A602_7.9 P180 BX180M4	295
190	873	1.1	7.7	9260				A502_7.7 P180 BE180M4	A502_7.7 P180 BX180M4	287
229	723	2.4	6.4	20400				A552_6.4 P180 BE180M4	A552_6.4 P180 BX180M4	291
297	558	2.9	4.9	19100				A552_4.9 P180 BE180M4	A552_4.9 P180 BX180M4	291
381	436	1.7	7.7	8100	A502_7.7 S5 ME5LA2		286	A502_7.7 P160 BE160L2		287

22 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IE3	
12.6	15213	0.9	116.9	75000				A903_116.9 P180 BE180L4	A903_116.9 P180 BX180L4	305
13.8	13900	1.0	106.8	75000				A903_106.8 P180 BE180L4	A903_106.8 P180 BX180L4	305
14.9	12831	1.1	98.6	75000				A903_98.6 P180 BE180L4	A903_98.6 P180 BX180L4	305
16.9	11330	1.2	87.1	75000				A903_87.1 P180 BE180L4	A903_87.1 P180 BX180L4	305
18.3	10459	1.3	80.4	75000				A903_80.4 P180 BE180L4	A903_80.4 P180 BX180L4	305
19.7	9692	1.4	74.5	75000				A903_74.5 P180 BE180L4	A903_74.5 P180 BX180L4	305
21.4	8947	1.6	68.8	75000				A903_68.8 P180 BE180L4	A903_68.8 P180 BX180L4	305
22.0	8693	0.9	66.8	51900				A803_66.8 P180 BE180L4	A803_66.8 P180 BX180L4	302
24.6	7779	1.0	59.8	51800				A803_59.8 P180 BE180L4	A803_59.8 P180 BX180L4	302
24.7	7758	1.8	59.6	73800				A903_59.6 P180 BE180L4	A903_59.6 P180 BX180L4	305
26.6	7181	1.1	55.2	51400				A803_55.2 P180 BE180L4	A803_55.2 P180 BX180L4	302
26.7	7161	2.0	55.0	72700				A903_55.0 P180 BE180L4	A903_55.0 P180 BX180L4	305
30	6285	2.2	48.3	71100				A903_48.3 P180 BE180L4	A903_48.3 P180 BX180L4	305
31	6270	1.3	48.2	50900				A803_48.2 P180 BE180L4	A803_48.2 P180 BX180L4	302
33	5802	2.4	44.6	70000				A903_44.6 P180 BE180L4	A903_44.6 P180 BX180L4	305
33	5788	1.3	44.5	50300				A803_44.5 P180 BE180L4	A803_44.5 P180 BX180L4	302
38	5050	2.8	38.8	68100				A903_38.8 P180 BE180L4	A903_38.8 P180 BX180L4	305
38	5010	1.5	38.5	49500				A803_38.5 P180 BE180L4	A803_38.5 P180 BX180L4	302
38	4995	1.0	38.4	46000				A703_38.4 P180 BE180L4	A703_38.4 P180 BX180L4	299
41	4662	2.9	35.8	67000				A903_35.8 P180 BE180L4	A903_35.8 P180 BX180L4	305
41	4625	1.5	35.5	48900				A803_35.5 P180 BE180L4	A803_35.5 P180 BX180L4	302
41	4611	1.0	35.4	45500				A703_35.4 P180 BE180L4	A703_35.4 P180 BX180L4	299
47	4099	3.4	31.5	65200				A903_31.5 P180 BE180L4	A903_31.5 P180 BX180L4	305
48	3979	1.6	30.6	47800				A803_30.6 P180 BE180L4	A803_30.6 P180 BX180L4	302
49	3917	1.2	30.1	44500				A703_30.1 P180 BE180L4	A703_30.1 P180 BX180L4	299
51	3784	3.4	29.1	64000				A903_29.1 P180 BE180L4	A903_29.1 P180 BX180L4	305
52	3673	1.8	28.2	47100				A803_28.2 P180 BE180L4	A803_28.2 P180 BX180L4	302
53	3616	1.2	27.8	43900				A703_27.8 P180 BE180L4	A703_27.8 P180 BX180L4	299
60	3188	2.1	24.5	45900				A803_24.5 P180 BE180L4	A803_24.5 P180 BX180L4	302
63	3061	1.4	23.5	42700				A703_23.5 P180 BE180L4	A703_23.5 P180 BX180L4	299
65	2943	2.1	22.6	45200				A803_22.6 P180 BE180L4	A803_22.6 P180 BX180L4	302



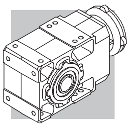
22 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
69	2772	1.4	21.3	41900				**A703_21.3 P180 BE180L4**	**A703_21.3 P180 BX180L4**	299
70	2726	2.4	20.9	44600				**A803_20.9 P180 BE180L4**	**A803_20.9 P180 BX180L4**	302
75	2559	1.4	19.7	41200				**A703_19.7 P180 BE180L4**	**A703_19.7 P180 BX180L4**	299
76	2516	2.4	19.3	43800				**A803_19.3 P180 BE180L4**	**A803_19.3 P180 BX180L4**	302
88	2178	3.0	16.7	42500				**A803_16.7 P180 BE180L4**	**A803_16.7 P180 BX180L4**	302
88	2250	0.9	16.7	30000				**A602_16.7 P180 BE180L4**	**A602_16.7 P180 BX180L4**	295
88	2172	1.8	16.7	39900				**A703_16.7 P180 BE180L4**	**A703_16.7 P180 BX180L4**	299
95	2011	3.0	15.5	41700				**A803_15.5 P180 BE180L4**	**A803_15.5 P180 BX180L4**	302
95	2005	1.8	15.4	39200				**A703_15.4 P180 BE180L4**	**A703_15.4 P180 BX180L4**	299
112	1703	2.3	13.1	37900				**A703_13.1 P180 BE180L4**	**A703_13.1 P180 BX180L4**	299
112	1758	1.0	13.1	23500				**A552_13.1 P180 BE180L4**	**A552_13.1 P180 BX180L4**	291
116	1708	1.2	12.7	30000				**A602_12.7 P180 BE180L4**	**A602_12.7 P180 BX180L4**	295
122	1572	2.3	12.1	37200				**A703_12.1 P180 BE180L4**	**A703_12.1 P180 BX180L4**	299
142	1392	1.3	10.4	22400				**A552_10.4 P180 BE180L4**	**A552_10.4 P180 BX180L4**	291
143	1387	1.4	10.3	29300				**A602_10.3 P180 BE180L4**	**A602_10.3 P180 BX180L4**	295
144	1331	2.4	10.2	35800				**A703_10.2 P180 BE180L4**	**A703_10.2 P180 BX180L4**	299
156	1228	2.4	9.4	35100				**A703_9.4 P180 BE180L4**	**A703_9.4 P180 BX180L4**	299
174	1137	1.6	8.5	21400				**A552_8.5 P180 BE180L4**	**A552_8.5 P180 BX180L4**	291
187	1057	1.9	7.9	27500				**A602_7.9 P180 BE180L4**	**A602_7.9 P180 BX180L4**	295
190	1040	0.9	7.7	8760				**A502_7.7 P180 BE180L4**	**A502_7.7 P180 BX180L4**	287
229	862	2.0	6.4	20100				**A552_6.4 P180 BE180L4**	**A552_6.4 P180 BX180L4**	291
297	665	2.4	4.9	18900				**A552_4.9 P180 BE180L4**	**A552_4.9 P180 BX180L4**	291

30 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
16.8	15556	0.9	87.1	70100			**A903_87.1 P200 IEC200L4**	315
18.2	14360	1.0	80.4	70000			**A903_80.4 P200 IEC200L4**	315
19.6	13307	1.1	74.5	69700			**A903_74.5 P200 IEC200L4**	315
21.2	12283	1.1	68.8	69200			**A903_68.8 P200 IEC200L4**	315
24.5	10651	1.3	59.6	68500			**A903_59.6 P200 IEC200L4**	315
26.5	9832	1.4	55.0	67800			**A903_55.0 P200 IEC200L4**	315
30.0	8630	1.6	48.3	66900			**A903_48.3 P200 IEC200L4**	315
30	8609	0.9	48.2	45700			**A803_48.2 P200 IEC200L4**	312
33	7966	1.8	44.6	66000			**A903_44.6 P200 IEC200L4**	315
33	7946	0.9	44.5	45500			**A803_44.5 P200 IEC200L4**	312
38	6934	2.0	38.8	64700			**A903_38.8 P200 IEC200L4**	315
38	6879	1.1	38.5	45300			**A803_38.5 P200 IEC200L4**	312
41	6400	2.1	35.8	63800			**A903_35.8 P200 IEC200L4**	315
41	6349	1.1	35.5	45000			**A803_35.5 P200 IEC200L4**	312
46	5628	2.5	31.5	62400			**A903_31.5 P200 IEC200L4**	315
48	5463	1.2	30.6	44500			**A803_30.6 P200 IEC200L4**	312
50	5195	2.5	29.1	61400			**A903_29.1 P200 IEC200L4**	315
52	5043	1.3	28.2	44000			**A803_28.2 P200 IEC200L4**	312
60	4377	1.5	24.5	43300			**A803_24.5 P200 IEC200L4**	312
61	4307	3.1	24.1	59200			**A903_24.1 P200 IEC200L4**	315
62	4202	1.0	23.5	40100			**A703_23.5 P200 IEC200L4**	309
65	4041	1.5	22.6	42700			**A803_22.6 P200 IEC200L4**	312
66	3976	3.1	22.3	58200			**A903_22.3 P200 IEC200L4**	315
70	3752	3.3	21.0	57500			**A903_21.0 P200 IEC200L4**	315
70	3743	1.7	20.9	42300			**A803_20.9 P200 IEC200L4**	312

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.



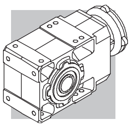
30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE...	
75	3463	3.3	19.4	56500			A903_19.4 P200 IEC200L4	315
75	3455	1.8	19.3	41700			A803_19.3 P200 IEC200L4	312
87	2991	2.2	16.7	40700			A803_16.7 P200 IEC200L4	312
87	2982	1.3	16.7	38100			A703_16.7 P200 IEC200L4	309
94	2761	2.2	15.5	40000			A803_15.5 P200 IEC200L4	312
95	2752	1.3	15.4	37500			A703_15.4 P200 IEC200L4	309
110	2375	2.8	13.3	38900			A803_13.3 P200 IEC200L4	312
112	2338	1.6	13.1	36400			A703_13.1 P200 IEC200L4	309
119	2192	2.8	12.3	38200			A803_12.3 P200 IEC200L4	312
121	2158	1.6	12.1	35800			A703_12.1 P200 IEC200L4	309
125	2094	1.7	23.5	35600			A703_23.5 P200 IEC200LA2	309
137	1903	3.4	10.7	37100			A803_10.7 P200 IEC200L4	312
143	1827	1.8	10.2	34600			A703_10.2 P200 IEC200L4	309
148	1757	3.4	9.8	36500			A803_9.8 P200 IEC200L4	312
155	1687	1.8	9.4	34000			A703_9.4 P200 IEC200L4	309
176	1486	2.3	16.7	33100			A703_16.7 P200 IEC200LA2	309
190	1371	2.3	15.4	32500			A703_15.4 P200 IEC200LA2	309
224	1165	2.7	13.1	31300			A703_13.1 P200 IEC200LA2	309
243	1075	2.7	12.1	30600			A703_12.1 P200 IEC200LA2	309
287	910	3.2	10.2	29400			A703_10.2 P200 IEC200LA2	309
310	840	3.2	9.4	28800			A703_9.4 P200 IEC200LA2	309

37 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE...	
21.5	14945	0.9	68.8	63900			A903_68.8 P225 IEC225S4	315
24.8	12959	1.1	59.6	63900			A903_59.6 P225 IEC225S4	315
26.9	11962	1.2	55.0	63600			A903_55.0 P225 IEC225S4	315
31	10499	1.3	48.3	63100			A903_48.3 P225 IEC225S4	315
33	9692	1.4	44.6	62500			A903_44.6 P225 IEC225S4	315
38	8436	1.7	38.8	61700			A903_38.8 P225 IEC225S4	315
38	8369	0.9	38.5	41700			A803_38.5 P225 IEC225S4	312
41	7787	1.8	35.8	61000			A903_35.8 P225 IEC225S4	315
42	7725	0.9	35.5	41600			A803_35.5 P225 IEC225S4	312
47	6847	2.0	31.5	59900			A903_31.5 P225 IEC225S4	315
48	6647	1.0	30.6	41600			A803_30.6 P225 IEC225S4	312
51	6321	2.1	29.1	59100			A903_29.1 P225 IEC225S4	315
52	6135	1.1	28.2	41300			A803_28.2 P225 IEC225S4	312
60	5326	1.3	24.5	40900			A803_24.5 P225 IEC225S4	312
61	5241	2.5	24.1	57300			A903_24.1 P225 IEC225S4	315
65	4916	1.3	22.6	40500			A803_22.6 P225 IEC225S4	312
67	4837	2.5	22.3	56400			A903_22.3 P225 IEC225S4	315
70	4565	2.7	21.0	55900			A903_21.0 P225 IEC225S4	315
71	4554	1.4	20.9	40300			A803_20.9 P225 IEC225S4	312
76	4214	2.7	19.4	54900			A903_19.4 P225 IEC225S4	315
77	4204	1.4	19.3	39800			A803_19.3 P225 IEC225S4	312
88	3668	3.2	16.9	53400			A903_16.9 P225 IEC225S4	315
88	3639	1.8	16.7	39100			A803_16.7 P225 IEC225S4	312
95	3386	3.2	15.6	52500			A903_15.6 P225 IEC225S4	315
96	3359	1.8	15.5	38500			A803_15.5 P225 IEC225S4	312
111	2890	2.3	13.3	37600			A803_13.3 P225 IEC225S4	312
121	2667	2.3	12.3	37000			A803_12.3 P225 IEC225S4	312
139	2316	2.8	10.7	36100			A803_10.7 P225 IEC225S4	312
151	2137	2.8	9.8	35500			A803_9.8 P225 IEC225S4	312

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.



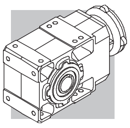
45 kW

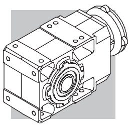
n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
26.9	14549	1.0	55.0	58700			A903_55.0 P225 IEC225M4	315
31	12769	1.1	48.3	58900			A903_48.3 P225 IEC225M4	315
33	11787	1.2	44.6	58600			A903_44.6 P225 IEC225M4	315
38	10260	1.4	38.8	58300			A903_38.8 P225 IEC225M4	315
41	9471	1.5	35.8	57800			A903_35.8 P225 IEC225M4	315
47	8328	1.7	31.5	57200			A903_31.5 P225 IEC225M4	315
51	7687	1.7	29.1	56600			A903_29.1 P225 IEC225M4	315
60	6477	1.0	24.5	38300			A803_24.5 P225 IEC225M4	312
61	6374	2.1	24.1	55200			A903_24.1 P225 IEC225M4	315
65	5979	1.0	22.6	38100			A803_22.6 P225 IEC225M4	312
67	5883	2.1	22.3	54500			A903_22.3 P225 IEC225M4	315
70	5552	2.2	21.0	54000			A903_21.0 P225 IEC225M4	315
71	5539	1.2	20.9	38000			A803_20.9 P225 IEC225M4	312
76	5125	2.3	19.4	53200			A903_19.4 P225 IEC225M4	315
77	5112	1.2	19.3	37700			A803_19.3 P225 IEC225M4	312
88	4461	2.7	16.9	52000			A903_16.9 P225 IEC225M4	315
88	4425	1.5	16.7	37300			A803_16.7 P225 IEC225M4	312
95	4118	2.7	15.6	51100			A903_15.6 P225 IEC225M4	315
96	4085	1.5	15.5	36900			A803_15.5 P225 IEC225M4	312
108	3621	3.1	13.7	49900			A903_13.7 P225 IEC225M4	315
111	3515	1.9	13.3	36200			A803_13.3 P225 IEC225M4	312
117	3342	3.1	12.6	49000			A903_12.6 P225 IEC225M4	315
121	3244	1.9	12.3	35700			A803_12.3 P225 IEC225M4	312
139	2816	2.3	10.7	34900			A803_10.7 P225 IEC225M4	312
141	2771	3.5	10.5	47100			A903_10.5 P225 IEC225M4	315
151	2600	2.3	9.8	34400			A803_9.8 P225 IEC225M4	312
153	2558	3.5	9.7	46200			A903_9.7 P225 IEC225M4	315

55 kW

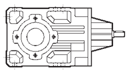
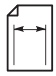
n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
33	14406	1.0	44.6	53900			A903_44.6 P250 IEC250M4	315
38	12540	1.1	38.8	54100			A903_38.8 P250 IEC250M4	315
41	11575	1.2	35.8	54000			A903_35.8 P250 IEC250M4	315
47	10179	1.4	31.5	53800			A903_31.5 P250 IEC250M4	315
51	9396	1.4	29.1	53400			A903_29.1 P250 IEC250M4	315
61	7790	1.7	24.1	52600			A903_24.1 P250 IEC250M4	315
67	7191	1.7	22.3	52000			A903_22.3 P250 IEC250M4	315
70	6786	1.8	21.0	51700			A903_21.0 P250 IEC250M4	315
76	6264	1.8	19.4	51100			A903_19.4 P250 IEC250M4	315
88	5452	2.2	16.9	50100			A903_16.9 P250 IEC250M4	315
95	5033	2.2	15.6	49400			A903_15.6 P250 IEC250M4	315
108	4425	2.5	13.7	48400			A903_13.7 P250 IEC250M4	315
117	4085	2.6	12.6	47600			A903_12.6 P250 IEC250M4	315
141	3387	2.9	10.5	45900			A903_10.5 P250 IEC250M4	315
153	3126	2.9	9.7	45100			A903_9.7 P250 IEC250M4	315

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.

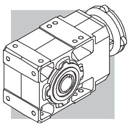




A 10 150 Nm

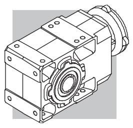
	i	n_1 = 2800 min-1					n_1 = 1400 min-1					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min-1	Nm	kW	N	N	min-1	Nm	kW	N	N	
A 10 2_5.5	5.5	512	73	4.2	—	1830	256	73	2.1	960	2460	
A 10 2_6.3	6.3	442	80	3.9	—	1900	221	80	2.0	830	2560	
A 10 2_7.2	7.2	388	92	4.0	—	1910	194	93	2.0	630	2600	
A 10 2_8.5	8.5	329	92	3.4	—	2060	164	93	1.7	720	2790	
A 10 2_9.6	9.6	291	102	3.3	—	2090	146	128	2.1	—	2650	
A 10 2_10.6	10.6	265	125	3.7	540	2010	133	150	2.2	810	2590	
A 10 2_12.3	12.3	228	110	2.8	—	2280	114	138	1.7	—	2880	
A 10 2_13.9	13.9	201	135	3.0	620	2220	101	150	1.7	1080	2960	
A 10 2_16.4	16.4	170	140	2.7	610	2370	85	150	1.4	1140	3200	
A 10 2_18.6	18.6	151	147	2.5	650	2460	75	150	1.3	1180	3380	
A 10 2_21.4	21.4	131	150	2.2	650	2610	66	150	1.1	1200	3600	
A 10 2_23.8	23.8	118	150	2.0	750	2750	59	150	0.98	1220	3780	267
A 10 2_25.5	25.5	110	150	1.8	750	2840	55	150	0.92	1220	3900	
A 10 2_28.6	28.6	98	150	1.6	830	3000	49	150	0.82	1250	4100	
A 10 2_32.2	32.2	87	150	1.5	880	3170	43	150	0.73	1270	4310	
A 10 2_35.1	35.1	80	150	1.3	880	3300	40	150	0.67	1270	4470	
A 10 2_40.9	40.9	69	150	1.1	910	3530	34	150	0.57	1300	4770	
A 10 2_45.4	45.4	62	150	1.0	910	3700	31	150	0.52	1300	4980	
A 10 2_51.3	51.3	55	150	0.91	910	3910	27.3	150	0.46	1290	5240	
A 10 2_58.6	58.6	48	150	0.80	920	4140	23.9	150	0.40	1300	5500	
A 10 2_65.9	65.9	42	150	0.71	920	4360	21.2	150	0.35	1300	5500	
A 10 2_76.4	76.4	37	150	0.61	930	4640	18.3	150	0.31	1300	5500	
A 10 2_91.6	91.6	31	130	0.44	1020	5160	15.3	130	0.22	1300	5500	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



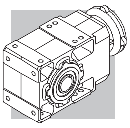
A 10 150 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 10 2_5.5	5.5	165	73	1.3	1300	2950	91	73	0.74	1300	3720	
A 10 2_6.3	6.3	142	80	1.3	1300	3070	79	80	0.70	1300	4100	
A 10 2_7.2	7.2	125	93	1.3	1160	3130	69	93	0.72	1300	3970	
A 10 2_8.5	8.5	106	95	1.1	1200	3330	59	110	0.72	1300	4100	
A 10 2_9.6	9.6	94	128	1.3	500	3230	52	128	0.74	1300	4160	
A 10 2_10.6	10.6	85	150	1.4	1300	3200	47	150	0.79	1300	4160	
A 10 2_12.3	12.3	73	150	1.2	180	3420	41	150	0.68	1030	4430	
A 10 2_13.9	13.9	65	150	1.1	1300	3630	36	150	0.60	1300	4680	
A 10 2_16.4	16.4	55	150	0.91	1300	3900	30	150	0.51	1300	5010	
A 10 2_18.6	18.6	48	150	0.81	1300	4120	26.9	150	0.45	1300	5270	
A 10 2_21.4	21.4	42	150	0.70	1300	4370	23.4	150	0.39	1300	5500	
A 10 2_23.8	23.8	38	150	0.63	1300	4570	21.0	150	0.35	1300	5500	267
A 10 2_25.5	25.5	35	150	0.59	1300	4710	19.6	150	0.33	1300	5500	
A 10 2_28.6	28.6	31	150	0.53	1300	4940	17.5	150	0.29	1300	5500	
A 10 2_32.2	32.2	28.0	150	0.47	1300	5190	15.5	150	0.26	1300	5500	
A 10 2_35.1	35.1	25.6	150	0.43	1300	5380	14.2	150	0.24	1300	5500	
A 10 2_40.9	40.9	22.0	150	0.37	1300	5500	12.2	150	0.20	1300	5500	
A 10 2_45.4	45.4	19.8	150	0.33	1300	5500	11.0	150	0.18	1300	5500	
A 10 2_51.3	51.3	17.6	150	0.29	1300	5500	9.8	150	0.16	1300	5500	
A 10 2_58.6	58.6	15.4	150	0.26	1300	5500	8.5	150	0.14	1300	5500	
A 10 2_65.9	65.9	13.7	150	0.23	1300	5500	7.6	150	0.13	1300	5500	
A 10 2_76.4	76.4	11.8	150	0.20	1300	5500	6.5	150	0.11	1300	5500	
A 10 2_91.6	91.6	9.8	130	0.14	1300	5500	5.5	130	0.08	1300	5500	



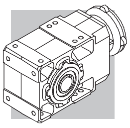
A 20 250 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 20 2_5.4	5.4	523	96	5.6	610	1910	262	121	3.5	770	2400	
A 20 2_6.5	6.5	428	107	5.1	490	2010	214	135	3.2	610	2530	
A 20 2_7.3	7.3	384	113	4.8	510	2070	192	143	3.1	630	2600	
A 20 2_8.4	8.4	334	116	4.3	510	2180	167	146	2.7	650	2750	
A 20 2_9.4	9.4	299	122	4.1	530	2260	149	154	2.6	660	2840	
A 20 2_10.3	10.3	271	183	5.5	650	1970	135	225	3.4	890	2520	
A 20 2_12.0	12.0	234	128	3.3	550	2280	117	161	2.1	690	3120	
A 20 2_14.1	14.1	199	199	4.4	750	2210	99	245	2.7	960	2820	
A 20 2_16.2	16.2	173	209	4.0	700	2310	87	250	2.4	1040	2990	
A 20 2_18.1	18.1	155	216	3.7	760	2400	77	250	2.2	1210	3170	
A 20 2_21.2	21.2	132	226	3.3	710	2540	66	250	1.8	1290	3430	
A 20 2_23.1	23.1	121	232	3.1	710	2620	61	250	1.7	1360	3580	
A 20 2_26.5	26.5	106	241	2.8	660	2750	53	250	1.5	1410	3820	
A 20 2_29.2	29.2	96	249	2.7	670	2850	48	250	1.3	1510	4000	
A 20 2_31.3	31.3	89	250	2.5	660	2940	45	250	1.2	1510	4130	
A 20 2_35.4	35.4	79	250	2.2	800	3140	40	250	1.1	1650	4380	
A 20 2_39.6	39.6	71	250	2.0	880	3320	35	250	0.98	1710	4600	
A 20 2_43.2	43.2	65	250	1.8	880	3460	32	250	0.90	1710	4790	
A 20 2_48.3	48.3	58	250	1.6	920	3650	29.0	250	0.81	1720	5030	271
A 20 2_53.7	53.7	52	250	1.5	920	3840	26.1	250	0.73	1720	5270	
A 20 2_63.1	63.1	44	245	1.2	1040	4180	22.2	245	0.61	1740	5680	
A 20 2_71.0	71.0	39	210	0.92	1360	4640	19.7	210	0.46	1790	6200	
A 20 2_79.9	79.9	35	210	0.82	1360	4880	17.5	210	0.41	1790	6200	
A 20 2_92.3	92.3	30	200	0.68	1380	5250	15.2	200	0.34	1810	6200	
A 20 3_109.2	109.2	25.6	165	0.49	1180	5900	12.8	205	0.30	1300	6200	
A 20 3_120.5	120.5	23.2	168	0.45	1130	6110	11.6	210	0.28	1300	6200	
A 20 3_129.1	129.1	21.7	175	0.44	1210	6200	10.8	215	0.27	1300	6200	
A 20 3_146.1	146.1	19.2	183	0.40	1160	6200	9.6	230	0.25	1300	6200	
A 20 3_163.4	163.4	17.1	190	0.37	1240	6200	8.6	235	0.23	1300	6200	
A 20 3_178.3	178.3	15.7	195	0.35	1200	6200	7.9	245	0.22	1300	6200	
A 20 3_199.2	199.2	14.1	200	0.32	1270	6200	7.0	250	0.20	1300	6200	
A 20 3_221.3	221.3	12.7	203	0.30	1240	6200	6.3	250	0.18	1300	6200	
A 20 3_260.5	260.5	10.8	214	0.26	1270	6200	5.4	250	0.15	1300	6200	
A 20 3_292.8	292.8	9.6	218	0.24	1300	6200	4.8	250	0.14	1300	6200	
A 20 3_329.4	329.4	8.5	221	0.22	1300	6200	4.3	250	0.12	1300	6200	
A 20 3_380.9	380.9	7.4	226	0.19	1300	6200	3.7	250	0.11	1300	6200	

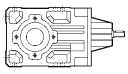
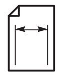


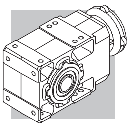
A 20 250 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 20 2_5.4	5.4	168	140	2.6	900	2780	93	170	1.8	1100	3390	
A 20 2_6.5	6.5	138	156	2.4	720	2930	76	190	1.6	860	3570	
A 20 2_7.3	7.3	123	165	2.3	740	3020	69	201	1.5	890	3670	
A 20 2_8.4	8.4	108	170	2.0	730	3180	60	206	1.4	910	3870	
A 20 2_9.4	9.4	96	179	1.9	760	3290	53	210	1.2	1090	4050	
A 20 2_10.3	10.3	87	250	2.4	1190	2990	48	250	1.3	2200	3980	
A 20 2_12.0	12.0	75	187	1.6	790	2990	42	210	0.98	1336	4510	
A 20 2_14.1	14.1	64	250	1.8	1610	3490	36	250	0.99	2200	4590	
A 20 2_16.2	16.2	56	250	1.6	1690	3730	31	250	0.86	2200	4880	
A 20 2_18.1	18.1	50	250	1.4	1860	3930	27.6	250	0.77	2200	5140	
A 20 2_21.2	21.2	42	250	1.2	1940	4230	23.6	250	0.66	2200	5500	
A 20 2_23.1	23.1	39	250	1.1	1970	4400	21.6	250	0.60	2200	5710	
A 20 2_26.5	26.5	34	250	0.95	1980	4680	18.9	250	0.53	2200	6050	
A 20 2_29.2	29.2	31	250	0.86	2000	4890	17.1	250	0.48	2200	6200	
A 20 2_31.3	31.3	28.7	250	0.80	2000	5040	16.0	250	0.44	2200	6200	
A 20 2_35.4	35.4	25.4	250	0.71	2020	5330	14.1	250	0.39	2200	6200	
A 20 2_39.6	39.6	22.7	250	0.63	2040	5590	12.6	250	0.35	2200	6200	
A 20 2_43.2	43.2	20.8	250	0.58	2040	5800	11.6	250	0.32	2200	6200	
A 20 2_48.3	48.3	18.6	250	0.52	2040	6080	10.4	250	0.29	2200	6200	271
A 20 2_53.7	53.7	16.8	250	0.47	2050	6200	9.3	250	0.26	2200	6200	
A 20 2_63.1	63.1	14.3	245	0.39	2060	6200	7.9	245	0.22	2200	6200	
A 20 2_71.0	71.0	12.7	210	0.30	2120	6200	7.0	210	0.16	2200	6200	
A 20 2_79.9	79.9	11.3	210	0.26	2120	6200	6.3	210	0.15	2200	6200	
A 20 2_92.3	92.3	9.7	200	0.22	2140	6200	5.4	200	0.12	2200	6200	
A 20 3_109.2	109.2	8.2	240	0.23	1300	6200	4.6	250	0.13	1300	6200	
A 20 3_120.5	120.5	7.5	245	0.21	1300	6200	4.1	250	0.12	1300	6200	
A 20 3_129.1	129.1	7.0	250	0.20	1300	6200	3.9	250	0.11	1300	6200	
A 20 3_146.1	146.1	6.2	250	0.18	1300	6200	3.4	250	0.10	1300	6200	
A 20 3_163.4	163.4	5.5	250	0.16	1300	6200	3.1	250	0.09	1300	6200	
A 20 3_178.3	178.3	5.0	250	0.15	1300	6200	2.8	250	0.08	1300	6200	
A 20 3_199.2	199.2	4.5	250	0.13	1300	6200	2.5	250	0.07	1300	6200	
A 20 3_221.3	221.3	4.1	250	0.12	1300	6200	2.3	250	0.06	1300	6200	
A 20 3_260.5	260.5	3.5	250	0.10	1300	6200	1.9	250	0.06	1300	6200	
A 20 3_292.8	292.8	3.1	250	0.09	1300	6200	1.7	250	0.05	1300	6200	
A 20 3_329.4	329.4	2.7	250	0.08	1300	6200	1.5	250	0.04	1300	6200	
A 20 3_380.9	380.9	2.4	250	0.07	1300	6200	1.3	250	0.04	1300	6200	

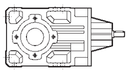


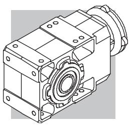
A 30 410 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 30 2_5.4	5.4	517	175	10.1	1130	2480	259	220	6.3	1430	3130	
A 30 2_6.4	6.4	437	185	9.0	1120	2630	218	230	5.6	1470	3330	
A 30 2_7.0	7.0	399	194	8.6	1140	2690	199	245	5.4	1430	3380	
A 30 2_8.5	8.5	331	200	7.4	1220	2900	165	250	4.6	1570	3660	
A 30 2_9.3	9.3	301	214	7.2	1140	2950	150	270	4.5	1440	3710	
A 30 2_10.5	10.5	268	278	8.3	1800	2770	134	340	5.1	2200	3550	
A 30 2_11.8	11.8	238	230	6.1	1130	3200	119	290	3.8	1420	4030	
A 30 2_13.6	13.6	206	301	6.9	1830	3030	103	370	4.3	2200	3870	
A 30 2_16.3	16.3	171	318	6.1	1830	3240	86	385	3.7	2200	4170	
A 30 2_18.0	18.0	156	327	5.7	1840	3350	78	400	3.5	2200	4290	
A 30 2_20.5	20.5	136	340	5.2	1830	3510	68	410	3.1	2200	4530	
A 30 2_22.8	22.8	123	351	4.8	1850	3640	62	410	2.8	2200	4770	
A 30 2_26.5	26.5	106	367	4.3	1840	3850	53	410	2.4	2200	5150	
A 30 2_29.3	29.3	96	378	4.0	1847	3980	48	410	2.2	2200	5400	
A 30 2_33.4	33.4	84	393	3.7	1840	4170	42	410	1.9	2200	5750	
A 30 2_36.6	36.6	76	404	3.4	1840	4310	38	410	1.7	2200	6010	
A 30 2_39.3	39.3	71	410	3.3	1810	4430	36	410	1.6	2200	6200	
A 30 2_43.4	43.4	64	410	2.9	1850	4660	32	410	1.5	2200	6490	
A 30 2_48.3	48.3	58	410	2.6	1860	4920	29.0	410	1.3	2200	6810	
A 30 2_52.7	52.7	53	410	2.4	1860	5130	26.6	410	1.2	2200	7080	275
A 30 2_59.4	59.4	47	400	2.1	1890	5500	23.6	400	1.0	2200	7530	
A 30 2_66.0	66.0	42	390	1.8	1900	5840	21.2	390	0.92	2200	7940	
A 30 2_76.5	76.5	37	350	1.4	1950	6480	18.3	350	0.71	2200	8690	
A 30 2_86.7	86.7	32	320	1.2	2000	7010	16.2	320	0.58	2200	9310	
A 30 2_97.5	97.5	28.7	300	0.96	2020	7480	14.4	300	0.48	2200	9600	
A 30 3_109.1	109.1	25.7	240	0.71	1300	8240	12.8	300	0.44	1300	9600	
A 30 3_120.5	120.5	23.2	243	0.65	1120	8540	11.6	300	0.40	1300	9600	
A 30 3_137.4	137.4	20.4	250	0.59	1300	8950	10.2	315	0.37	1300	9600	
A 30 3_150.7	150.7	18.6	261	0.56	1170	9210	9.3	330	0.35	1300	9600	
A 30 3_161.4	161.4	17.3	270	0.54	1300	9410	8.7	340	0.34	1300	9600	
A 30 3_178.5	178.5	15.7	274	0.49	1210	9600	7.8	345	0.31	1300	9600	
A 30 3_198.5	198.5	14.1	280	0.45	1300	9600	7.1	350	0.28	1300	9600	
A 30 3_216.6	216.6	12.9	287	0.43	1240	9600	6.5	360	0.27	1300	9600	
A 30 3_244.3	244.3	11.5	295	0.39	1300	9600	5.7	370	0.24	1300	9600	
A 30 3_271.5	271.5	10.3	301	0.36	1280	9600	5.2	380	0.23	1300	9600	
A 30 3_314.5	314.5	8.9	309	0.32	1300	9600	4.5	390	0.20	1300	9600	
A 30 3_356.3	356.3	7.9	320	0.29	1300	9600	3.9	370	0.17	1300	9600	
A 30 3_400.8	400.8	7.0	320	0.26	1300	9600	3.5	360	0.14	1300	9600	

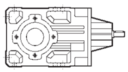
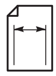


A 30 410 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 30 2_5.4	5.4	166	255	4.7	1660	3630	92	300	3.1	2200	4470	
A 30 2_6.4	6.4	140	270	4.2	1630	3830	78	300	2.6	2200	4830	
A 30 2_7.0	7.0	128	284	4.1	1650	3920	71	300	2.4	2200	5040	
A 30 2_8.5	8.5	106	290	3.4	1810	4240	59	300	2.0	2200	5470	
A 30 2_9.3	9.3	97	300	3.2	1900	4380	54	300	1.8	2200	5710	
A 30 2_10.5	10.5	86	391	3.7	2200	4130	48	410	2.2	2200	5400	
A 30 2_11.8	11.8	76	300	2.6	2200	4880	42	300	1.4	2200	6320	
A 30 2_13.6	13.6	66	410	3.0	2200	4600	37	410	1.7	2200	6110	
A 30 2_16.3	16.3	55	410	2.5	2200	5044	31	410	1.4	2200	6650	
A 30 2_18.0	18.0	50	410	2.3	2200	5280	27.8	410	1.3	2200	6940	
A 30 2_20.5	20.5	44	410	2.0	2200	5630	24.3	410	1.1	2200	7360	
A 30 2_22.8	22.8	40	410	1.8	2200	5910	22.0	410	1.0	2200	7700	
A 30 2_26.5	26.5	34	410	1.5	2200	6340	18.8	410	0.86	2200	8230	
A 30 2_29.3	29.3	31	410	1.4	2200	6640	17.1	410	0.78	2200	8590	
A 30 2_33.4	33.4	26.9	410	1.2	2200	7040	15.0	410	0.68	2200	9080	
A 30 2_36.6	36.6	24.6	410	1.1	2200	7340	13.6	410	0.62	2200	9440	
A 30 2_39.3	39.3	22.9	410	1.0	2200	7560	12.7	410	0.58	2200	9600	
A 30 2_43.4	43.4	20.7	410	0.95	2200	7900	11.5	410	0.53	2200	9600	
A 30 2_48.3	48.3	18.6	410	0.85	2200	8270	10.4	410	0.47	2200	9600	
A 30 2_52.7	52.7	17.1	410	0.78	2200	8590	9.5	410	0.43	2200	9600	275
A 30 2_59.4	59.4	15.1	400	0.67	2200	9090	8.4	400	0.37	2200	9600	
A 30 2_66.0	66.0	13.6	390	0.59	2200	9560	7.6	390	0.33	2200	9600	
A 30 2_76.5	76.5	11.8	350	0.46	2200	9600	6.5	350	0.25	2200	9600	
A 30 2_86.7	86.7	10.4	320	0.37	2200	9600	5.8	320	0.21	2200	9600	
A 30 2_97.5	97.5	9.2	300	0.31	2200	9600	5.1	300	0.17	2200	9600	
A 30 3_109.1	109.1	8.3	350	0.33	1300	9600	4.6	370	0.20	1300	9600	
A 30 3_120.5	120.5	7.5	354	0.30	1300	9600	4.2	410	0.20	1300	9600	
A 30 3_137.4	137.4	6.5	370	0.28	1300	9600	3.6	410	0.17	1300	9600	
A 30 3_150.7	150.7	6.0	381	0.26	1300	9600	3.3	410	0.16	1300	9600	
A 30 3_161.4	161.4	5.6	390	0.25	1300	9600	3.1	410	0.15	1300	9600	
A 30 3_178.5	178.5	5.0	400	0.23	1300	9600	2.8	410	0.13	1300	9600	
A 30 3_198.5	198.5	4.5	410	0.21	1300	9600	2.5	410	0.12	1300	9600	
A 30 3_216.6	216.6	4.2	410	0.20	1300	9600	2.3	410	0.11	1300	9600	
A 30 3_244.3	244.3	3.7	410	0.17	1300	9600	2.0	410	0.10	1300	9600	
A 30 3_271.5	271.5	3.3	410	0.16	1300	9600	1.8	410	0.09	1300	9600	
A 30 3_314.5	314.5	2.9	410	0.13	1300	9600	1.6	410	0.07	1300	9600	
A 30 3_356.3	356.3	2.5	380	0.11	1300	9600	1.4	380	0.06	1300	9600	
A 30 3_400.8	400.8	2.2	360	0.09	1300	9600	1.2	360	0.05	1300	9600	



A 35 600 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 35 2_5.4	5.4	517	246	14.2	1420	4000	259	310	8.9	1790	5050	
A 35 2_6.4	6.4	437	262	12.7	1420	4230	218	330	8.0	1790	5330	
A 35 2_7.0	7.0	399	278	12.3	1410	4320	199	350	7.8	1790	5440	
A 35 2_8.5	8.5	331	286	10.5	1450	4650	165	360	6.6	1830	5850	
A 35 2_9.3	9.3	301	302	10.1	1450	4760	150	380	6.4	1830	6000	
A 35 2_10.6	10.6	263	310	9.1	1440	5010	132	390	5.7	1830	6310	
A 35 2_11.8	11.8	238	317	8.4	1480	5200	119	400	5.3	1860	6550	
A 35 2_13.1	13.1	214	400	10.9	1630	4470	107	550	6.6	2100	5780	
A 35 2_15.5	15.5	181	430	10.0	1620	4670	90	570	5.7	2120	6190	
A 35 2_17.0	17.0	165	465	9.7	1620	4730	83	600	5.5	2130	6310	
A 35 2_20.4	20.4	137	500	8.4	1630	5080	69	600	4.6	2170	6930	
A 35 2_22.5	22.5	125	540	7.8	1660	5290	62	600	4.2	2200	7260	
A 35 2_25.7	25.7	109	585	7.1	1640	5540	55	600	3.6	2200	7740	
A 35 2_28.4	28.4	98	600	6.6	1660	5760	49	600	3.3	2200	8130	
A 35 2_33.2	33.2	84	600	5.6	910	6240	42	600	2.8	2200	8730	
A 35 2_36.6	36.6	76	600	5.1	1080	6560	38	600	2.6	2200	9140	
A 35 2_41.8	41.8	67	600	4.5	1140	7010	34	600	2.2	2200	9700	
A 35 2_45.8	45.8	61	600	4.1	1260	7330	31	600	2.0	2200	10100	
A 35 2_49.1	49.1	57	600	3.8	1260	7580	28.5	600	1.9	2200	10400	
A 35 2_54.3	54.3	52	600	3.4	1360	7950	25.8	600	1.7	2200	10900	279
A 35 2_60.4	60.4	46	600	3.1	1470	8360	23.2	600	1.6	2200	11400	
A 35 2_65.8	65.8	43	600	2.8	1470	8700	21.3	600	1.4	2200	11800	
A 35 2_74.3	74.3	38	600	2.5	1560	9200	18.8	600	1.3	2200	12000	
A 35 2_82.5	82.5	34	600	2.3	1560	9650	17.0	600	1.1	2200	12000	
A 35 2_95.6	95.6	29.3	540	1.8	1860	10600	14.6	540	0.88	2200	12000	
A 35 3_105.5	105.5	26.5	430	1.3	550	12000	13.3	525	0.80	780	12000	
A 35 3_116.9	116.9	24.0	455	1.3	650	12000	12.0	560	0.77	870	12000	
A 35 3_136.3	136.3	20.5	470	1.1	870	12000	10.3	575	0.68	1110	12000	
A 35 3_150.6	150.6	18.6	495	1.1	900	12000	9.3	600	0.64	1160	12000	
A 35 3_171.8	171.8	16.3	505	0.95	960	12000	8.1	600	0.56	1250	12000	
A 35 3_188.3	188.3	14.9	525	0.90	990	12000	7.4	600	0.51	1300	12000	
A 35 3_201.8	201.8	13.9	525	0.84	1020	12000	6.9	600	0.48	1300	12000	
A 35 3_223.2	223.2	12.5	545	0.79	1050	12000	6.3	600	0.43	1300	12000	
A 35 3_248.1	248.1	11.3	565	0.73	1080	12000	5.6	600	0.39	1300	12000	
A 35 3_270.7	270.7	10.3	570	0.68	1110	12000	5.2	600	0.36	1300	12000	
A 35 3_305.4	305.4	9.2	585	0.62	1140	12000	4.6	600	0.32	1300	12000	
A 35 3_339.3	339.3	8.3	520	0.49	1210	12000	4.1	520	0.25	1300	12000	
A 35 3_393.2	393.2	7.1	465	0.38	1260	12000	3.6	465	0.19	1300	12000	

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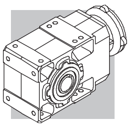
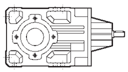
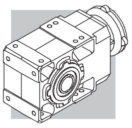


A 35 600 Nm

	i	n_1 = 900 min-1					n_1 = 500 min-1					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 35 2_5.4	5.4	166	340	6.3	2150	5940	92	340	3.5	2200	7600	
A 35 2_6.4	6.4	140	350	5.5	2190	6340	78	350	3.0	2200	8090	
A 35 2_7.0	7.0	128	370	5.3	2200	6490	71	370	2.9	2200	8290	
A 35 2_8.5	8.5	106	380	4.5	2200	6970	59	380	2.5	2200	8890	
A 35 2_9.3	9.3	97	400	4.3	2200	7160	54	400	2.4	2200	9140	
A 35 2_10.6	10.6	85	400	3.8	2200	7570	47	400	2.1	2200	9650	
A 35 2_11.8	11.8	76	400	3.4	2200	7910	42	400	1.9	2200	10100	
A 35 2_13.1	13.1	69	600	4.6	2200	6910	38	600	2.6	2200	9140	
A 35 2_15.5	15.5	58	600	3.9	2090	7510	32	600	2.2	2200	9860	
A 35 2_17.0	17.0	53	600	3.5	2200	7840	29.5	600	2.0	2200	10300	
A 35 2_20.4	20.4	44	600	2.9	2200	8560	24.5	600	1.6	2200	11100	
A 35 2_22.5	22.5	40	600	2.7	2200	8950	22.2	600	1.5	2200	11600	
A 35 2_25.7	25.7	35	600	2.3	2200	9500	19.5	600	1.3	2200	12000	
A 35 2_28.4	28.4	32	600	2.1	2200	9950	17.6	600	1.2	2200	12000	
A 35 2_33.2	33.2	27.1	600	1.8	2200	10700	15.1	600	1.0	2200	12000	
A 35 2_36.6	36.6	24.6	600	1.6	2200	11100	13.7	600	0.91	2200	12000	
A 35 2_41.8	41.8	21.5	600	1.4	2200	11800	12.0	600	0.80	2200	12000	
A 35 2_45.8	45.8	19.6	600	1.3	2200	12000	10.9	600	0.73	2200	12000	
A 35 2_49.1	49.1	18.3	600	1.2	2200	12000	10.2	600	0.68	2200	12000	
A 35 2_54.3	54.3	16.6	600	1.1	2200	12000	9.2	600	0.62	2200	12000	279
A 35 2_60.4	60.4	14.9	600	1.0	2200	12000	8.3	600	0.55	2200	12000	
A 35 2_65.8	65.8	13.7	600	0.91	2200	12000	7.6	600	0.51	2200	12000	
A 35 2_74.3	74.3	12.1	600	0.81	2200	12000	6.7	600	0.45	2200	12000	
A 35 2_82.5	82.5	10.9	600	0.73	2200	12000	6.1	600	0.40	2200	12000	
A 35 2_95.6	95.6	9.4	540	0.57	2200	12000	5.2	540	0.31	2200	12000	
A 35 3_105.5	105.5	8.5	600	0.59	940	12000	4.7	600	0.33	1300	12000	
A 35 3_116.9	116.9	7.7	600	0.53	1230	12000	4.3	600	0.30	1300	12000	
A 35 3_136.3	136.3	6.6	600	0.46	1300	12000	3.7	600	0.25	1300	12000	
A 35 3_150.6	150.6	6.0	600	0.41	1300	12000	3.3	600	0.23	1300	12000	
A 35 3_171.8	171.8	5.2	600	0.36	1300	12000	2.9	600	0.20	1300	12000	
A 35 3_188.3	188.3	4.8	600	0.33	1300	12000	2.7	600	0.18	1300	12000	
A 35 3_201.8	201.8	4.5	600	0.31	1300	12000	2.5	600	0.17	1300	12000	
A 35 3_223.2	223.2	4.0	600	0.28	1300	12000	2.2	600	0.15	1300	12000	
A 35 3_248.1	248.1	3.6	600	0.25	1300	12000	2.0	600	0.14	1300	12000	
A 35 3_270.7	270.7	3.3	600	0.23	1300	12000	1.8	600	0.13	1300	12000	
A 35 3_305.4	305.4	2.9	600	0.20	1300	12000	1.6	600	0.11	1300	12000	
A 35 3_339.3	339.3	2.7	520	0.16	1300	12000	1.5	520	0.09	1300	12000	
A 35 3_393.2	393.2	2.3	465	0.12	1300	12000	1.3	465	0.07	1300	12000	



A 41 850 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 41 2_5.2	5.2	534	450	27	1790	4350	267	550	16.4	2450	5560	
A 41 2_7.1	7.1	393	490	22	1890	4850	197	550	12.0	2670	6430	
A 41 2_8.3	8.3	336	510	19.1	1900	5140	168	550	10.3	2750	6920	
A 41 2_9.2	9.2	304	530	18.0	1980	5300	152	550	9.3	2860	7240	
A 41 2_10.1	10.1	276	435	13.4	2680	6030	138	535	8.2	3390	7650	
A 41 2_11.7	11.7	238	550	14.6	2050	5870	119	550	7.3	2950	8070	
A 41 2_13.8	13.8	204	480	10.9	2690	6680	102	585	6.6	3430	8510	
A 41 2_16.1	16.1	174	500	9.7	2700	7070	87	610	5.9	3430	9000	
A 41 2_17.8	17.8	158	515	9.0	2730	7310	79	630	5.5	3470	9300	
A 41 2_22.7	22.7	123	550	7.6	2730	7970	62	680	4.7	3460	10100	
A 41 2_28.3	28.3	99	595	6.6	2670	8570	49	730	4.0	3450	10900	
A 41 2_35.9	35.9	78	635	5.5	2590	9320	39	780	3.4	3410	11800	
A 41 2_45.1	45.1	62	680	4.7	2500	10100	31	830	2.9	3330	12800	
A 41 2_48.3	48.3	58	690	4.5	2430	10300	29.0	850	2.7	3200	13100	
A 41 2_53.1	53.1	53	700	4.1	2470	10700	26.3	850	2.5	3330	13700	
A 41 2_58.8	58.8	48	730	3.9	2390	11100	23.8	850	2.3	3460	14300	283
A 41 2_64.2	64.2	44	740	3.6	2320	11500	21.8	850	2.1	3460	14800	
A 41 2_71.3	71.3	39	780	3.4	2120	11800	19.6	850	1.9	3470	15000	
A 41 2_79.2	79.2	35	800	3.1	1990	12300	17.7	800	1.6	3500	15000	
A 41 3_92.8	92.8	30	650	2.3	270	14000	15.1	800	1.4	430	15000	
A 41 3_115.9	115.9	24.2	800	2.2	310	14600	12.1	850	1.2	980	15000	
A 41 3_146.9	146.9	19.1	850	1.9	790	15000	9.5	850	0.93	1640	15000	
A 41 3_184.4	184.4	15.2	850	1.5	1290	15000	7.6	850	0.74	1770	15000	
A 41 3_197.5	197.5	14.2	850	1.4	1360	15000	7.1	850	0.69	1790	15000	
A 41 3_217.4	217.4	12.9	850	1.3	1390	15000	6.4	850	0.63	1820	15000	
A 41 3_240.6	240.6	11.6	850	1.1	1410	15000	5.8	850	0.57	1840	15000	
A 41 3_262.5	262.5	10.7	850	1.0	1430	15000	5.3	850	0.52	1860	15000	
A 41 3_291.7	291.7	9.6	850	0.94	1450	15000	4.8	850	0.47	1880	15000	
A 41 3_324.2	324.2	8.6	850	0.84	1470	15000	4.3	850	0.42	1900	15000	
A 41 3_376.8	376.8	7.4	850	0.73	1500	15000	3.7	850	0.36	1930	15000	

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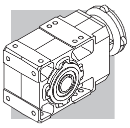
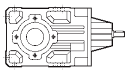
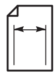
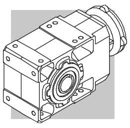
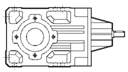


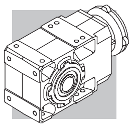
A 41 850 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 41 2_5.2	5.2	172	550	10.5	3140	6850	95	550	5.8	3500	8900	
A 41 2_7.1	7.1	126	550	7.7	3360	7870	70	550	4.3	3500	10100	
A 41 2_8.3	8.3	108	550	6.6	3440	8430	60	550	3.7	3500	10800	
A 41 2_9.2	9.2	98	550	6.0	3500	8800	54	550	3.3	3500	11300	
A 41 2_10.1	10.1	89	610	6.0	3500	8920	49	730	4.0	3500	10900	
A 41 2_11.7	11.7	77	550	4.7	3500	9760	43	550	2.6	3500	12400	
A 41 2_13.8	13.8	65	670	4.9	3500	9900	36	800	3.2	3500	12100	
A 41 2_16.1	16.1	56	700	4.4	3500	10500	31	830	2.9	3500	12800	
A 41 2_17.8	17.8	51	720	4.1	3500	10800	28.1	850	2.7	3500	13300	
A 41 2_22.7	22.7	40	780	3.4	3500	11700	22.0	850	2.1	3500	14800	
A 41 2_28.3	28.3	32	830	2.9	3500	12700	17.7	850	1.7	3500	15000	
A 41 2_35.9	35.9	25.1	850	2.4	3500	14000	13.9	850	1.3	3500	15000	
A 41 2_45.1	45.1	20.0	850	1.9	3500	15000	11.1	850	1.1	3500	15000	
A 41 2_48.3	48.3	18.6	850	1.8	3500	15000	10.4	850	0.98	3500	15000	
A 41 2_53.1	53.1	16.9	850	1.6	3500	15000	9.4	850	0.89	3500	15000	
A 41 2_58.8	58.8	15.3	850	1.4	3500	15000	8.5	850	0.81	3500	15000	283
A 41 2_64.2	64.2	14.0	850	1.3	3300	15000	7.8	850	0.74	3500	15000	
A 41 2_71.3	71.3	12.6	850	1.2	3500	15000	7.0	850	0.66	3500	15000	
A 41 2_79.2	79.2	11.4	800	1.0	3500	15000	6.3	800	0.56	3500	15000	
A 41 3_92.8	92.8	9.7	800	0.89	1080	15000	5.4	800	0.50	2110	15000	
A 41 3_115.9	115.9	7.8	850	0.76	1630	15000	4.3	850	0.42	2200	15000	
A 41 3_146.9	146.9	6.1	850	0.60	2020	15000	3.4	850	0.33	2200	15000	
A 41 3_184.4	184.4	4.9	850	0.48	2100	15000	2.7	850	0.27	2200	15000	
A 41 3_197.5	197.5	4.6	850	0.45	2120	15000	2.5	850	0.25	2200	15000	
A 41 3_217.4	217.4	4.1	850	0.40	2150	15000	2.3	850	0.22	2200	15000	
A 41 3_240.6	240.6	3.7	850	0.37	2170	15000	2.1	850	0.20	2200	15000	
A 41 3_262.5	262.5	3.4	850	0.34	2190	15000	1.9	850	0.19	2200	15000	
A 41 3_291.7	291.7	3.1	850	0.30	2200	15000	1.7	850	0.17	2200	15000	
A 41 3_324.2	324.2	2.8	850	0.27	2200	15000	1.5	850	0.15	2200	15000	
A 41 3_376.8	376.8	2.4	850	0.23	2200	15000	1.3	850	0.13	2200	15000	

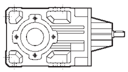
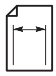


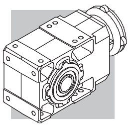
A 50 1500 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 50 2_7.7	7.7	362	550	22	2300	7920	181	700	14.1	2890	9960	
A 50 2_9.7	9.7	288	600	19.2	2330	8530	144	750	12.0	2950	10800	
A 50 2_13.1	13.1	214	600	14.3	2460	9600	107	750	8.9	3110	12100	
A 50 2_16.6	16.6	169	640	12.0	2490	10400	84	800	7.5	3150	13100	
A 50 2_20.9	20.9	134	640	9.5	2540	11400	67	800	6.0	3210	14400	
A 50 3_24.0	24.0	116	1150	15.4	1850	7020	58	1500	10.0	2100	8540	
A 50 3_26.4	26.4	106	1200	14.6	2100	7170	53	1500	9.1	2690	9100	
A 50 3_32.4	32.4	86	1290	12.8	1800	4630	43	1500	7.5	2760	10400	
A 50 3_35.6	35.6	79	1340	12.1	2080	7830	39	1500	6.8	3290	11000	
A 50 3_40.9	40.9	68	1415	11.1	1740	8130	34	1500	5.9	3220	11900	
A 50 3_45.0	45.0	62	1470	10.5	2030	8340	31	1500	5.4	3440	12600	
A 50 3_51.7	51.7	54	1500	9.4	1680	8970	27.1	1500	4.7	3400	13600	
A 50 3_56.8	56.8	49	1500	8.5	2150	9540	24.6	1500	4.3	3480	14400	
A 50 3_63.9	63.9	44	1500	7.6	1900	10300	21.9	1500	3.8	3450	15300	
A 50 3_70.2	70.2	40	1500	6.9	2350	10900	19.9	1500	3.4	3500	16100	
A 50 3_81.5	81.5	34	1500	5.9	2170	11900	17.2	1500	3.0	3500	17300	
A 50 3_89.5	89.5	31	1500	5.4	2590	12600	15.6	1500	2.7	3500	18200	
A 50 3_99.5	99.5	28.1	1500	4.9	2260	13400	14.1	1500	2.4	3500	19200	
A 50 3_109.4	109.4	25.6	1500	4.4	2680	14100	12.8	1500	2.2	3500	20000	
A 50 3_118.0	118.0	23.7	1500	4.1	2390	14700	11.9	1500	2.0	3500	20000	287
A 50 3_129.7	129.7	21.6	1500	3.7	2720	15400	10.8	1500	1.9	3500	20000	
A 50 3_140.6	140.6	19.9	1500	3.4	2440	16100	10.0	1500	1.7	3500	20000	
A 50 3_154.6	154.6	18.1	1500	3.1	2730	16900	9.1	1500	1.6	3500	20000	
A 50 3_173.4	173.4	16.2	1500	2.8	2480	17900	8.1	1500	1.4	3500	20000	
A 50 3_190.6	190.6	14.7	1500	2.5	2740	18800	7.3	1500	1.3	3500	20000	
A 50 4_211.0	211.0	13.3	1500	2.3	1930	20000	6.6	1500	1.2	2200	20000	
A 50 4_232.0	232.0	12.1	1500	2.1	1970	20000	6.0	1500	1.1	2200	20000	
A 50 4_260.9	260.9	10.7	1500	1.9	2010	20000	5.4	1500	0.95	2200	20000	
A 50 4_286.8	286.8	9.8	1500	1.7	2040	20000	4.9	1500	0.86	2200	20000	
A 50 4_332.6	332.6	8.4	1500	1.5	2080	20000	4.2	1500	0.74	2200	20000	
A 50 4_365.6	365.6	7.7	1500	1.4	2100	20000	3.8	1500	0.68	2200	20000	
A 50 4_406.4	406.4	6.9	1500	1.2	2130	20000	3.4	1500	0.61	2200	20000	
A 50 4_446.8	446.8	6.3	1500	1.1	2140	20000	3.1	1500	0.55	2200	20000	
A 50 4_481.6	481.6	5.8	1500	1.0	2160	20000	2.9	1500	0.51	2200	20000	
A 50 4_529.5	529.5	5.3	1500	0.93	2170	20000	2.6	1500	0.47	2200	20000	
A 50 4_574.2	574.2	4.9	1500	0.86	2190	20000	2.4	1500	0.43	2200	20000	
A 50 4_631.2	631.2	4.4	1500	0.78	2200	20000	2.2	1500	0.39	2200	20000	
A 50 4_707.9	707.9	4.0	1500	0.70	2200	20000	2.0	1500	0.35	2200	20000	
A 50 4_778.2	778.2	3.6	1500	0.63	2200	20000	1.8	1500	0.32	2200	20000	



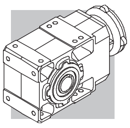
A 50 1500 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 50 2_7.7	7.7	116	770	10.0	3430	11700	65	900	6.5	3500	14300	
A 50 2_9.7	9.7	92	830	8.5	3490	12600	51	1000	5.7	3500	15300	
A 50 2_13.1	13.1	69	830	6.3	3500	14200	38	1000	4.2	3500	17300	
A 50 2_16.6	16.6	54	880	5.3	3500	15400	30	1000	3.4	3500	18900	
A 50 2_20.9	20.9	43	880	4.2	3500	16800	23.9	1000	2.7	3500	20000	
A 50 3_24.0	24.0	37	1500	6.5	3480	11300	20.8	1500	3.6	3500	15700	
A 50 3_26.4	26.4	34	1500	5.9	3500	12000	18.9	1500	3.3	3500	16500	
A 50 3_32.4	32.4	27.8	1500	4.8	3500	13400	15.4	1500	2.7	3500	18300	
A 50 3_35.6	35.6	25.3	1500	4.4	3500	14200	14.0	1500	2.4	3500	19200	
A 50 3_40.9	40.9	22.0	1500	3.8	3500	15300	12.2	1500	2.1	3500	20000	
A 50 3_45.0	45.0	20.0	1500	3.5	3500	16000	11.1	1500	1.9	3500	20000	
A 50 3_51.7	51.7	17.4	1500	3.0	3450	17200	9.7	1500	1.7	3500	20000	
A 50 3_56.8	56.8	15.8	1500	2.7	3500	18100	8.8	1500	1.5	3500	20000	
A 50 3_63.9	63.9	14.1	1500	2.4	3500	19200	7.8	1500	1.4	3500	20000	
A 50 3_70.2	70.2	12.8	1500	2.2	3500	20000	7.1	1500	1.2	3500	20000	
A 50 3_81.5	81.5	11.0	1500	1.9	3500	20000	6.1	1500	1.1	3500	20000	
A 50 3_89.5	89.5	10.1	1500	1.7	3500	20000	5.6	1500	0.96	3500	20000	
A 50 3_99.5	99.5	9.0	1500	1.6	3500	20000	5.0	1500	0.87	3500	20000	
A 50 3_109.4	109.4	8.2	1500	1.4	3500	20000	4.6	1500	0.79	3500	20000	
A 50 3_118.0	118.0	7.6	1500	1.3	3500	20000	4.2	1500	0.73	3500	20000	287
A 50 3_129.7	129.7	6.9	1500	1.2	3500	20000	3.9	1500	0.67	3500	20000	
A 50 3_140.6	140.6	6.4	1500	1.1	3500	20000	3.6	1500	0.61	3500	20000	
A 50 3_154.6	154.6	5.8	1500	1.0	3500	20000	3.2	1500	0.56	3500	20000	
A 50 3_173.4	173.4	5.2	1500	0.90	3500	20000	2.9	1500	0.50	3500	20000	
A 50 3_190.6	190.6	4.7	1500	0.82	3500	20000	2.6	1500	0.45	3500	20000	
A 50 4_211.0	211.0	4.3	1500	0.75	2200	20000	2.4	1500	0.42	2200	20000	
A 50 4_232.0	232.0	3.9	1500	0.68	2200	20000	2.2	1500	0.38	2200	20000	
A 50 4_260.9	260.9	3.4	1500	0.61	2200	20000	1.9	1500	0.34	2200	20000	
A 50 4_286.8	286.8	3.1	1500	0.55	2200	20000	1.7	1500	0.31	2200	20000	
A 50 4_332.6	332.6	2.7	1500	0.48	2200	20000	1.5	1500	0.27	2200	20000	
A 50 4_365.6	365.6	2.5	1500	0.43	2200	20000	1.4	1500	0.24	2200	20000	
A 50 4_406.4	406.4	2.2	1500	0.39	2200	20000	1.2	1500	0.22	2200	20000	
A 50 4_446.8	446.8	2.0	1500	0.36	2200	20000	1.1	1500	0.20	2200	20000	
A 50 4_481.6	481.6	1.9	1500	0.33	2200	20000	1.0	1500	0.18	2200	20000	
A 50 4_529.5	529.5	1.7	1500	0.30	2200	20000	0.94	1500	0.17	2200	20000	
A 50 4_574.2	574.2	1.6	1500	0.28	2200	20000	0.87	1500	0.15	2200	20000	
A 50 4_631.2	631.2	1.4	1500	0.25	2200	20000	0.79	1500	0.14	2200	20000	
A 50 4_707.9	707.9	1.3	1500	0.22	2200	20000	0.71	1500	0.12	2200	20000	
A 50 4_778.2	778.2	1.2	1500	0.20	2200	20000	0.64	1500	0.11	2200	20000	



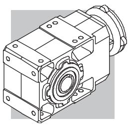
A 55 2000 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 55 2_4.9	4.9	571	760	48	1320	15100	286	900	28	2150	18700	291
A 55 2_6.4	6.4	438	800	39	1950	16400	219	950	23	2860	20300	
A 55 2_8.5	8.5	329	800	30	2810	18000	165	950	17.5	3500	22200	
A 55 2_10.4	10.4	269	840	25	2900	19100	135	1000	15.1	3500	23600	
A 55 2_13.1	13.1	214	840	20	3230	20600	107	1000	11.9	3500	25500	
A 55 2_15.7	15.7	178	840	16.7	3440	21900	89	1000	9.9	3500	27000	
A 55 2_19.2	19.2	146	925	15.0	3160	23200	73	1100	8.9	3500	28600	
A 55 3_23.8	23.8	118	1600	22	2050	21000	59	1950	13.2	2640	26000	
A 55 3_29.9	29.9	94	1700	18.3	2110	22500	47	2000	10.8	2770	28200	
A 55 3_40.3	40.3	69	1850	14.8	2150	24800	35	2000	8.0	2930	30000	
A 55 3_51.0	51.0	55	2000	12.6	2170	26500	27.5	2000	6.3	3050	30000	
A 55 3_64.3	64.3	44	2000	10.0	2230	29000	21.8	2000	5.0	3110	30000	
A 55 3_79.5	79.5	35	2000	8.1	1040	30000	17.6	2000	4.1	2820	30000	
A 55 3_101.4	101.4	27.6	2000	6.4	1340	30000	13.8	2000	3.2	3130	30000	
A 55 3_123.9	123.9	22.6	2000	5.2	1450	30000	11.3	2000	2.6	3230	30000	
A 55 3_132.7	132.7	21.1	2000	4.9	1450	30000	10.6	2000	2.4	3240	30000	
A 55 3_146.8	146.8	19.1	2000	4.4	1610	30000	9.5	2000	2.2	3290	30000	
A 55 3_160.4	160.4	17.5	2000	4.0	1660	30000	8.7	2000	2.0	3300	30000	
A 55 3_175.0	175.0	16.0	2000	3.7	1660	30000	8.0	2000	1.8	3300	30000	
A 55 3_194.2	194.2	14.4	2000	3.3	1710	30000	7.2	2000	1.7	3310	30000	
A 55 4_208.1	208.1	13.5	1600	2.5	1890	30000	6.7	1950	1.5	2200	30000	
A 55 4_262.6	262.6	10.7	1650	2.1	1980	30000	5.3	2000	1.3	2200	30000	
A 55 4_324.7	324.7	8.6	1750	1.8	2030	30000	4.3	2000	1.0	2200	30000	
A 55 4_414.0	414.0	6.8	1850	1.5	2080	30000	3.4	2000	0.80	2200	30000	
A 55 4_505.9	505.9	5.5	1900	1.2	2120	30000	2.8	2000	0.65	2200	30000	
A 55 4_542.0	542.0	5.2	1900	1.2	2140	30000	2.6	2000	0.61	2200	30000	
A 55 4_599.5	599.5	4.7	1950	1.1	2150	30000	2.3	2000	0.55	2200	30000	
A 55 4_655.1	655.1	4.3	1950	1.0	2180	30000	2.1	2000	0.50	2200	30000	
A 55 4_714.7	714.7	3.9	1950	0.90	2200	30000	2.0	2000	0.46	2200	30000	
A 55 4_793.0	793.0	3.5	2000	0.83	2200	30000	1.8	2000	0.42	2200	30000	



A 55 2000 Nm

	i	n_1 = 900 min-1					n_1 = 500 min-1					
		n_2 min-1	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min-1	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 55 2_4.9	4.9	184	1000	20	2850	21400	102	1160	13.1	3500	25600	
A 55 2_6.4	6.4	141	1060	16.6	3500	23200	78	1230	10.7	3500	27700	
A 55 2_8.5	8.5	106	1060	12.6	3500	25400	59	1230	8.1	3500	30000	
A 55 2_10.4	10.4	87	1120	10.8	3500	27000	48	1290	6.9	3500	30000	
A 55 2_13.1	13.1	69	1120	8.6	3500	29100	38	1290	5.5	3500	30000	
A 55 2_15.7	15.7	57	1120	7.2	3500	30000	32	1290	4.6	3500	30000	
A 55 2_19.2	19.2	47	1230	6.4	3500	30000	26.0	1420	4.1	3500	30000	
A 55 3_23.8	23.8	38	2000	8.7	3280	30000	21.0	2000	4.8	3500	30000	
A 55 3_29.9	29.9	30	2000	6.9	3450	30000	16.7	2000	3.8	3500	30000	
A 55 3_40.3	40.3	22.3	2000	5.1	3500	30000	12.4	2000	2.9	3500	30000	
A 55 3_51.0	51.0	17.6	2000	4.1	3500	30000	9.8	2000	2.3	3500	30000	
A 55 3_64.3	64.3	14.0	2000	3.2	3500	30000	7.8	2000	1.8	3500	30000	
A 55 3_79.5	79.5	11.3	2000	2.6	3500	30000	6.3	2000	1.4	3500	30000	
A 55 3_101.4	101.4	8.9	2000	2.0	3500	30000	4.9	2000	1.1	3500	30000	
A 55 3_123.9	123.9	7.3	2000	1.7	3500	30000	4.0	2000	0.93	3500	30000	291
A 55 3_132.7	132.7	6.8	2000	1.6	3500	30000	3.8	2000	0.87	3500	30000	
A 55 3_146.8	146.8	6.1	2000	1.4	3500	30000	3.4	2000	0.78	3500	30000	
A 55 3_160.4	160.4	5.6	2000	1.3	3500	30000	3.1	2000	0.72	3500	30000	
A 55 3_175.0	175.0	5.1	2000	1.2	3500	30000	2.9	2000	0.66	3500	30000	
A 55 3_194.2	194.2	4.6	2000	1.1	3500	30000	2.6	2000	0.59	3500	30000	
A 55 4_208.1	208.1	4.3	2000	1.0	2200	30000	2.4	2000	0.57	2200	30000	
A 55 4_262.6	262.6	3.4	2000	0.81	2200	30000	1.9	2000	0.45	2200	30000	
A 55 4_324.7	324.7	2.8	2000	0.65	2200	30000	1.5	2000	0.36	2200	30000	
A 55 4_414.0	414.0	2.2	2000	0.51	2200	30000	1.2	2000	0.28	2200	30000	
A 55 4_505.9	505.9	1.8	2000	0.42	2200	30000	1.0	2000	0.23	2200	30000	
A 55 4_542.0	542.0	1.7	2000	0.39	2200	30000	0.92	2000	0.22	2200	30000	
A 55 4_599.5	599.5	1.5	2000	0.35	2200	30000	0.83	2000	0.20	2200	30000	
A 55 4_655.1	655.1	1.4	2000	0.32	2200	30000	0.76	2000	0.18	2200	30000	
A 55 4_714.7	714.7	1.3	2000	0.30	2200	30000	0.70	2000	0.16	2200	30000	
A 55 4_793.0	793.0	1.1	2000	0.27	2200	30000	0.63	2000	0.15	2200	30000	

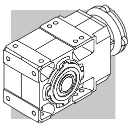


A 60 2800 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 60 2_7.9	7.9	356	950	38	2770	22500	178	1200	24	3400	27700	
A 60 2_10.3	10.3	271	950	29	2970	24600	136	1200	18.1	3740	30000	
A 60 2_12.7	12.7	220	1000	25	3020	26200	110	1250	15.3	3810	30000	
A 60 2_16.7	16.7	167	1050	19.6	3080	28600	84	1300	12.1	3910	30000	
A 60 2_20.6	20.6	136	1100	16.7	3100	30000	68	1400	10.6	3890	30000	
A 60 3_25.7	25.7	109	2760	35	2380	26900	54	2800	17.5	3800	30000	
A 60 3_27.9	27.9	101	2800	32	2780	27700	50	2800	16.2	3930	30000	
A 60 3_31.7	31.7	88	2800	29	2790	29000	44	2800	14.2	3940	30000	
A 60 3_34.3	34.3	82	2800	26	2920	30000	41	2800	13.2	4060	30000	
A 60 3_41.7	41.7	67	2800	22	2940	30000	34	2800	10.8	4090	30000	
A 60 3_45.2	45.2	62	2800	20	3060	30000	31	2800	10.0	4200	30000	
A 60 3_51.3	51.3	55	2800	17.6	3030	30000	27.3	2800	8.8	4180	30000	
A 60 3_55.6	55.6	50	2800	16.2	3140	30000	25.2	2800	8.1	4280	30000	
A 60 3_65.0	65.0	43	2800	13.9	3110	30000	21.5	2800	6.9	4260	30000	
A 60 3_70.4	70.4	40	2800	12.8	3210	30000	19.9	2800	6.4	4360	30000	
A 60 3_79.7	79.7	35	2800	11.3	3160	30000	17.6	2800	5.7	4310	30000	
A 60 3_86.4	86.4	32	2800	10.4	3260	30000	16.2	2800	5.2	4410	30000	
A 60 3_99.5	99.5	28.1	2800	9.1	3210	30000	14.1	2800	4.5	4360	30000	
A 60 3_107.8	107.8	26.0	2800	8.4	3300	30000	13.0	2800	4.2	4450	30000	
A 60 3_123.0	123.0	22.8	2800	7.3	3250	30000	11.4	2800	3.7	4400	30000	295
A 60 3_133.3	133.3	21.0	2800	6.8	3340	30000	10.5	2800	3.4	4490	30000	
A 60 3_144.0	144.0	19.4	2800	6.3	3280	30000	9.7	2800	3.1	4420	30000	
A 60 3_156.0	156.0	17.9	2800	5.8	3360	30000	9.0	2800	2.9	4510	30000	
A 60 3_171.5	171.5	16.3	2800	5.3	3290	30000	8.2	2800	2.6	4430	30000	
A 60 3_185.8	185.8	15.1	2800	4.9	3370	30000	7.5	2800	2.4	4520	30000	
A 60 4_208.7	208.7	13.4	2800	4.4	2720	30000	6.7	2800	2.2	3500	30000	
A 60 4_226.1	226.1	12.4	2800	4.1	2770	30000	6.2	2800	2.0	3500	30000	
A 60 4_264.3	264.3	10.6	2800	3.5	2860	30000	5.3	2800	1.7	3500	30000	
A 60 4_286.3	286.3	9.8	2800	3.2	2900	30000	4.9	2800	1.6	3500	30000	
A 60 4_324.2	324.2	8.6	2800	2.8	2960	30000	4.3	2800	1.4	3500	30000	
A 60 4_351.2	351.2	8.0	2800	2.6	2990	30000	4.0	2800	1.3	3500	30000	
A 60 4_404.7	404.7	6.9	2800	2.3	3050	30000	3.5	2800	1.1	3500	30000	
A 60 4_438.4	438.4	6.4	2800	2.1	3070	30000	3.2	2800	1.1	3500	30000	
A 60 4_500.3	500.3	5.6	2800	1.8	3110	30000	2.8	2800	0.92	3500	30000	
A 60 4_542.0	542.0	5.2	2800	1.7	3140	30000	2.6	2800	0.85	3500	30000	
A 60 4_585.8	585.8	4.8	2800	1.6	3150	30000	2.4	2800	0.79	3500	30000	
A 60 4_634.6	634.6	4.4	2800	1.5	3170	30000	2.2	2800	0.73	3500	30000	
A 60 4_697.3	697.3	4.0	2800	1.3	3190	30000	2.0	2800	0.66	3500	30000	
A 60 4_755.4	755.4	3.7	2800	1.2	3210	30000	1.9	2800	0.61	3500	30000	

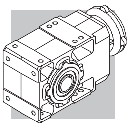
A 60 2800 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 60 2_7.9	7.9	114	1300	16.6	4190	30000	64	1550	11.0	4700	30000	
A 60 2_10.3	10.3	87	1300	12.6	4470	30000	48	1550	8.4	4700	30000	
A 60 2_12.7	12.7	71	1400	11.0	4490	30000	39	1700	7.5	4700	30000	
A 60 2_16.7	16.7	54	1450	8.7	4610	30000	29.9	1700	5.7	4700	30000	
A 60 2_20.6	20.6	44	1550	7.5	4600	30000	24.3	1800	4.9	4700	30000	
A 60 3_25.7	25.7	35	2800	11.3	4680	30000	19.4	2800	6.3	4700	30000	
A 60 3_27.9	27.9	32	2800	10.4	4700	30000	18.0	2800	5.8	4700	30000	
A 60 3_31.7	31.7	28.4	2800	9.2	4700	30000	15.8	2800	5.1	4700	30000	
A 60 3_34.3	34.3	26.2	2800	8.5	4700	30000	14.6	2800	4.7	4700	30000	
A 60 3_41.7	41.7	21.6	2800	7.0	4700	30000	12.0	2800	3.9	4700	30000	
A 60 3_45.2	45.2	19.9	2800	6.4	4700	30000	11.1	2800	3.6	4700	30000	
A 60 3_51.3	51.3	17.5	2800	5.6	4700	30000	9.7	2800	3.1	4700	30000	
A 60 3_55.6	55.6	16.2	2800	5.2	4700	30000	9.0	2800	2.9	4700	30000	
A 60 3_65.0	65.0	13.8	2800	4.5	4700	30000	7.7	2800	2.5	4700	30000	
A 60 3_70.4	70.4	12.8	2800	4.1	4700	30000	7.1	2800	2.3	4700	30000	
A 60 3_79.7	79.7	11.3	2800	3.6	4700	30000	6.3	2800	2.0	4700	30000	
A 60 3_86.4	86.4	10.4	2800	3.4	4700	30000	5.8	2800	1.9	4700	30000	
A 60 3_99.5	99.5	9.0	2800	2.9	4700	30000	5.0	2800	1.6	4700	30000	
A 60 3_107.8	107.8	8.3	2800	2.7	4700	30000	4.6	2800	1.5	4700	30000	
A 60 3_123.0	123.0	7.3	2800	2.4	4700	30000	4.1	2800	1.3	4700	30000	295
A 60 3_133.3	133.3	6.8	2800	2.2	4700	30000	3.8	2800	1.2	4700	30000	
A 60 3_144.0	144.0	6.2	2800	2.0	4700	30000	3.5	2800	1.1	4700	30000	
A 60 3_156.0	156.0	5.8	2800	1.9	4700	30000	3.2	2800	1.0	4700	30000	
A 60 3_171.5	171.5	5.2	2800	1.7	4700	30000	2.9	2800	0.94	4700	30000	
A 60 3_185.8	185.8	4.8	2800	1.6	4700	30000	2.7	2800	0.87	4700	30000	
A 60 4_208.7	208.7	4.3	2800	1.4	3500	30000	2.4	2800	0.79	3500	30000	
A 60 4_226.1	226.1	4.0	2800	1.3	3500	30000	2.2	2800	0.73	3500	30000	
A 60 4_264.3	264.3	3.4	2800	1.1	3500	30000	1.9	2800	0.62	3500	30000	
A 60 4_286.3	286.3	3.1	2800	1.0	3500	30000	1.7	2800	0.58	3500	30000	
A 60 4_324.2	324.2	2.8	2800	0.91	3500	30000	1.5	2800	0.51	3500	30000	
A 60 4_351.2	351.2	2.6	2800	0.84	3500	30000	1.4	2800	0.47	3500	30000	
A 60 4_404.7	404.7	2.2	2800	0.73	3500	30000	1.2	2800	0.41	3500	30000	
A 60 4_438.4	438.4	2.1	2800	0.68	3500	30000	1.1	2800	0.38	3500	30000	
A 60 4_500.3	500.3	1.8	2800	0.59	3500	30000	1.0	2800	0.33	3500	30000	
A 60 4_542.0	542.0	1.7	2800	0.55	3500	30000	0.92	2800	0.30	3500	30000	
A 60 4_585.8	585.8	1.5	2800	0.51	3500	30000	0.85	2800	0.28	3500	30000	
A 60 4_634.6	634.6	1.4	2800	0.47	3500	30000	0.79	2800	0.26	3500	30000	
A 60 4_697.3	697.3	1.3	2800	0.43	3500	30000	0.72	2800	0.24	3500	30000	
A 60 4_755.4	755.4	1.2	2800	0.39	3500	30000	0.66	2800	0.22	3500	30000	



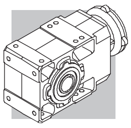
A 70 — 5000 Nm

	i	n_1 = 2800 min-1					n_1 = 1400 min-1					
		n_2 min-1	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min-1	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 70 3_9.4	9.4	297	2300	79	1900	25900	148	2800	48	2550	31900	
A 70 3_10.2	10.2	274	2400	76	2480	26400	137	3200	50	1480	31900	
A 70 3_12.1	12.1	232	2400	64	2420	28000	116	3200	43	1400	33900	
A 70 3_13.1	13.1	214	2600	64	2420	28400	107	3350	41	2100	34600	
A 70 3_15.4	15.4	182	2700	56	2100	29900	91	3350	35	2430	36700	
A 70 3_16.7	16.7	168	2850	55	2500	30400	84	3600	35	2590	37200	
A 70 3_19.7	19.7	142	2900	48	2030	32100	71	3700	30	1790	39300	
A 70 3_21.3	21.3	131	3000	45	2750	32900	66	4000	30	1830	39800	
A 70 3_23.5	23.5	119	3500	48	4930	32900	60	4300	30	6250	40500	
A 70 3_27.8	27.8	101	3450	40	4960	35100	50	4200	24	6300	43300	
A 70 3_30.1	30.1	93	3700	40	4970	35600	47	4550	24	6300	43900	
A 70 3_35.4	35.4	79	3650	33	5040	37900	40	4500	21	6370	46600	
A 70 3_38.4	38.4	73	3950	33	5040	38400	36	4850	20	6380	47300	
A 70 3_45.2	45.2	62	3900	28	5050	40800	31	4800	17.1	6400	50000	
A 70 3_49.0	49.0	57	4250	28	5050	41300	28.6	5000	16.4	6450	50000	
A 70 3_53.2	53.2	53	4100	25	5030	42900	26.3	5000	15.1	6380	50000	
A 70 3_57.7	57.7	49	4450	25	5030	43400	24.3	5000	14.0	6490	50000	
A 70 3_66.9	66.9	42	4350	21	5050	46000	20.9	5000	12.0	6480	50000	
A 70 3_72.5	72.5	39	4750	21	5040	46500	19.3	5000	11.1	6580	50000	
A 70 3_79.3	79.3	35	4600	18.7	5020	48400	17.6	5000	10.2	6520	50000	
A 70 3_85.9	85.9	33	4950	18.6	5030	49100	16.3	5000	9.4	6620	50000	
A 70 3_96.2	96.2	29.1	4850	16.2	5000	50000	14.6	5000	8.4	6570	50000	
A 70 3_104.2	104.2	26.9	5000	15.5	5060	50000	13.4	5000	7.7	6660	50000	
A 70 3_120.6	120.6	23.2	5000	13.4	5010	50000	11.6	5000	6.7	6610	50000	
A 70 3_130.7	130.7	21.4	5000	12.3	5100	50000	10.7	5000	6.2	6690	50000	299
A 70 3_141.9	141.9	19.7	5000	11.4	5040	50000	9.9	5000	5.7	6640	50000	
A 70 3_153.7	153.7	18.2	3300	6.9	5410	50000	9.1	4050	4.2	6920	50000	
A 70 4_169.8	169.8	16.5	5000	9.7	1130	50000	8.2	5000	4.9	2520	50000	
A 70 4_183.9	183.9	15.2	5000	9.0	1450	50000	7.6	5000	4.5	2670	50000	
A 70 4_220.3	220.3	12.7	5000	7.5	1560	50000	6.4	5000	3.7	2710	50000	
A 70 4_238.6	238.6	11.7	5000	6.9	1860	50000	5.9	5000	3.5	2770	50000	
A 70 4_292.0	292.0	9.6	5000	5.6	1900	50000	4.8	5000	2.8	2790	50000	
A 70 4_316.4	316.4	8.9	5000	5.2	2110	50000	4.4	5000	2.6	2850	50000	
A 70 4_369.4	369.4	7.6	5000	4.5	2110	50000	3.8	5000	2.2	2840	50000	
A 70 4_400.2	400.2	7.0	5000	4.1	2160	50000	3.5	5000	2.1	2900	50000	
A 70 4_475.8	475.8	5.9	5000	3.5	2150	50000	2.9	5000	1.7	2890	50000	
A 70 4_515.4	515.4	5.4	5000	3.2	2200	50000	2.7	5000	1.6	2940	50000	
A 70 4_595.0	595.0	4.7	5000	2.8	2190	50000	2.4	5000	1.4	2920	50000	
A 70 4_644.6	644.6	4.3	5000	2.6	2230	50000	2.2	5000	1.3	2970	50000	
A 70 4_705.1	705.1	4.0	5000	2.3	2200	50000	2.0	5000	1.2	2940	50000	
A 70 4_763.9	763.9	3.7	5000	2.2	2250	50000	1.8	5000	1.1	2990	50000	
A 70 4_855.3	855.3	3.3	5000	1.9	2220	50000	1.6	5000	0.96	2960	50000	
A 70 4_926.5	926.5	3.0	5000	1.8	2270	50000	1.5	5000	0.89	3000	50000	
A 70 4_1072	1072	2.6	5000	1.5	2240	50000	1.3	5000	0.77	2970	50000	
A 70 4_1161	1161	2.4	5000	1.4	2280	50000	1.2	5000	0.71	3020	50000	
A 70 4_1242	1242	2.3	5000	1.3	2250	50000	1.1	5000	0.66	2980	50000	
A 70 4_1346	1346	2.1	5000	1.2	2290	50000	1.0	5000	0.61	3030	50000	
A 70 4_1583	1583	1.8	5000	1.0	2260	50000	0.88	5000	0.52	2990	50000	
A 70 4_1715	1715	1.6	5000	0.96	2300	50000	0.82	5000	0.48	3040	50000	



A 70 5000 Nm

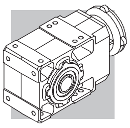
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 70 3_9.4	9.4	95	3000	33	4290	36900	53	3000	18.3	7000	45400	299
A 70 3_10.2	10.2	88	3250	33	4290	37400	49	3250	18.3	7000	46100	
A 70 3_12.1	12.1	75	3650	31	1620	38700	41	3650	17.4	6470	47900	
A 70 3_13.1	13.1	69	3950	31	1650	39200	38	3950	17.4	6500	48600	
A 70 3_15.4	15.4	58	3700	25	3510	42200	32	3700	13.8	7000	50000	
A 70 3_16.7	16.7	54	4000	25	3560	42800	30	4000	13.8	7000	50000	
A 70 3_19.7	19.7	46	3700	19.5	4910	46100	25.4	3700	10.8	7000	50000	
A 70 3_21.3	21.3	42	4000	19.4	4950	46800	23.5	4000	10.8	7000	50000	
A 70 3_23.5	23.5	38	4900	21.6	7000	46300	21.3	5000	12.2	7000	50000	
A 70 3_27.8	27.8	32	4800	17.9	7000	49400	18.0	5000	10.4	7000	50000	
A 70 3_30.1	30.1	29.9	5000	17.2	7000	50000	16.6	5000	9.6	7000	50000	
A 70 3_35.4	35.4	25.4	5000	14.6	7000	50000	14.1	5000	8.1	7000	50000	
A 70 3_38.4	38.4	23.4	5000	13.5	7000	50000	13.0	5000	7.5	7000	50000	
A 70 3_45.2	45.2	19.9	5000	11.4	7000	50000	11.1	5000	6.4	7000	50000	
A 70 3_49.0	49.0	18.4	5000	10.6	7000	50000	10.2	5000	5.9	7000	50000	
A 70 3_53.2	53.2	16.9	5000	9.7	7000	50000	9.4	5000	5.4	7000	50000	
A 70 3_57.7	57.7	15.6	5000	9.0	7000	50000	8.7	5000	5.0	7000	50000	
A 70 3_66.9	66.9	13.4	5000	7.7	7000	50000	7.5	5000	4.3	7000	50000	
A 70 3_72.5	72.5	12.4	5000	7.1	7000	50000	6.9	5000	4.0	7000	50000	
A 70 3_79.3	79.3	11.3	5000	6.5	7000	50000	6.3	5000	3.6	7000	50000	
A 70 3_85.9	85.9	10.5	5000	6.0	7000	50000	5.8	5000	3.3	7000	50000	
A 70 3_96.2	96.2	9.4	5000	5.4	7000	50000	5.2	5000	3.0	7000	50000	
A 70 3_104.2	104.2	8.6	5000	5.0	7000	50000	4.8	5000	2.8	7000	50000	
A 70 3_120.6	120.6	7.5	5000	4.3	7000	50000	4.1	5000	2.4	7000	50000	
A 70 3_130.7	130.7	6.9	5000	4.0	7000	50000	3.8	5000	2.2	7000	50000	
A 70 3_141.9	141.9	6.3	5000	3.7	7000	50000	3.5	5000	2.0	7000	50000	
A 70 3_153.7	153.7	5.9	4600	3.1	7000	50000	3.3	5000	1.9	7000	50000	
A 70 4_169.8	169.8	5.3	5000	3.1	3170	50000	2.9	5000	1.7	3500	50000	
A 70 4_183.9	183.9	4.9	5000	2.9	3240	50000	2.7	5000	1.6	3500	50000	
A 70 4_220.3	220.3	4.1	5000	2.4	3270	50000	2.3	5000	1.3	3500	50000	
A 70 4_238.6	238.6	3.8	5000	2.2	3340	50000	2.1	5000	1.2	3500	50000	
A 70 4_292.0	292.0	3.1	5000	1.8	3350	50000	1.7	5000	1.0	3500	50000	
A 70 4_316.4	316.4	2.8	5000	1.7	3410	50000	1.6	5000	0.93	3500	50000	
A 70 4_369.4	369.4	2.4	5000	1.4	3410	50000	1.4	5000	0.80	3500	50000	
A 70 4_400.2	400.2	2.2	5000	1.3	3460	50000	1.2	5000	0.74	3500	50000	
A 70 4_475.8	475.8	1.9	5000	1.1	3450	50000	1.1	5000	0.62	3500	50000	
A 70 4_515.4	515.4	1.7	5000	1.0	3500	50000	0.97	5000	0.57	3500	50000	
A 70 4_595.0	595.0	1.5	5000	0.89	3480	50000	0.84	5000	0.49	3500	50000	
A 70 4_644.6	644.6	1.4	5000	0.82	3500	50000	0.78	5000	0.46	3500	50000	
A 70 4_705.1	705.1	1.3	5000	0.75	3500	50000	0.71	5000	0.42	3500	50000	
A 70 4_763.9	763.9	1.2	5000	0.69	3500	50000	0.65	5000	0.39	3500	50000	
A 70 4_855.3	855.3	1.1	5000	0.62	3500	50000	0.58	5000	0.34	3500	50000	
A 70 4_926.5	926.5	0.97	5000	0.57	3500	50000	0.54	5000	0.32	3500	50000	
A 70 4_1072	1072	0.84	5000	0.49	3500	50000	0.47	5000	0.27	3500	50000	
A 70 4_1161	1161	0.77	5000	0.46	3500	50000	0.43	5000	0.25	3500	50000	
A 70 4_1242	1242	0.72	5000	0.43	3500	50000	0.40	5000	0.24	3500	50000	
A 70 4_1346	1346	0.67	5000	0.39	3500	50000	0.37	5000	0.22	3500	50000	
A 70 4_1583	1583	0.57	5000	0.33	3500	50000	0.32	5000	0.19	3500	50000	
A 70 4_1715	1715	0.52	5000	0.31	3500	50000	0.29	5000	0.17	3500	50000	



A 80 — 8000 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
A 80 3_9.8	9.8	285	3100	102	—	26300	142	3900	64	—	32100	
A 80 3_10.7	10.7	263	3450	104	—	26300	131	4300	65	—	32300	
A 80 3_12.3	12.3	228	3450	91	—	27700	114	4300	56	—	34000	
A 80 3_13.3	13.3	211	3450	84	1150	28700	105	4300	52	1150	35200	
A 80 3_15.5	15.5	181	3300	69	1560	30600	91	4100	43	1730	37600	
A 80 3_16.7	16.7	167	3600	69	1440	30900	84	4500	43	1460	37900	
A 80 3_19.3	19.3	145	3500	58	1870	32800	72	4400	37	1880	40200	
A 80 3_20.9	20.9	134	3840	59	1670	33100	67	4800	37	1740	40600	
A 80 3_22.6	22.6	124	5050	72	4500	31200	62	6250	45	5830	38400	
A 80 3_24.5	24.5	114	5500	72	4470	31300	57	6750	44	5840	38600	
A 80 3_28.2	28.2	99	5350	61	4700	33500	50	6600	38	5960	41200	
A 80 3_30.6	30.6	92	5250	55	4840	34900	46	6450	34	6140	43000	
A 80 3_35.5	35.5	79	5700	52	4700	36000	39	7000	32	6000	44300	
A 80 3_38.5	38.5	73	6150	51	4720	36200	36	7600	32	6000	44500	
A 80 3_44.5	44.5	63	6050	44	4790	38600	31	7450	27	6070	47500	
A 80 3_48.2	48.2	58	6550	44	4790	38800	29.1	8000	27	6090	47900	
A 80 3_55.2	55.2	51	6400	37	4710	41300	25.4	7900	23	6050	50800	
A 80 3_59.8	59.8	47	6950	37	4690	41500	23.4	8000	22	6170	52300	
A 80 3_66.8	66.8	42	6800	33	4670	43700	21.0	8000	19.3	6150	54600	
A 80 3_72.4	72.4	39	7350	33	4680	44000	19.3	8000	17.8	6280	56500	
A 80 3_82.3	82.3	34	7200	28	4570	46600	17.0	8000	15.7	6230	59300	
A 80 3_89.2	89.2	31	7800	28	4570	46900	15.7	8000	14.5	6350	61400	
A 80 3_96.0	96.0	29.2	7500	25	4410	48900	14.6	8000	13.4	6260	63000	
A 80 3_104.0	104.0	26.9	8000	25	4500	49500	13.5	8000	12.4	6380	65000	
A 80 3_116.0	116.0	24.1	7950	22	4230	51700	12.1	8000	11.1	6300	65000	
A 80 3_125.6	125.6	22.3	8000	21	4630	53400	11.1	8000	10.3	6420	65000	302
A 80 3_144.7	144.7	19.3	8000	17.8	4320	56400	9.7	8000	8.9	6350	65000	
A 80 3_156.8	156.8	17.9	8000	16.4	4750	58300	8.9	8000	8.2	6460	65000	
A 80 4_171.3	171.3	16.3	8000	15.4	—	65000	8.2	8000	7.7	1230	65000	
A 80 4_214.7	214.7	13.0	8000	12.3	—	65000	6.5	8000	6.1	1400	65000	
A 80 4_232.6	232.6	12.0	8000	11.3	—	65000	6.0	8000	5.7	1810	65000	
A 80 4_277.3	277.3	10.1	8000	9.5	540	65000	5.0	8000	4.8	1930	65000	
A 80 4_300.4	300.4	9.3	8000	8.8	900	65000	4.7	8000	4.4	2290	65000	
A 80 4_354.0	354.0	7.9	8000	7.4	800	65000	4.0	8000	3.7	2190	65000	
A 80 4_383.5	383.5	7.3	8000	6.9	1140	65000	3.7	8000	3.4	2530	65000	
A 80 4_442.1	442.1	6.3	8000	6.0	1040	65000	3.2	8000	3.0	2430	65000	
A 80 4_478.9	478.9	5.8	8000	5.5	1370	65000	2.9	8000	2.8	2670	65000	
A 80 4_560.5	560.5	5.0	8000	4.7	1240	65000	2.5	8000	2.4	2630	65000	
A 80 4_607.2	607.2	4.6	8000	4.3	1550	65000	2.3	8000	2.2	2720	65000	
A 80 4_703.5	703.5	4.0	8000	3.7	1440	65000	2.0	8000	1.9	2690	65000	
A 80 4_762.1	762.1	3.7	8000	3.5	1730	65000	1.8	8000	1.7	2760	65000	
A 80 4_829.5	829.5	3.4	8000	3.2	1530	65000	1.7	8000	1.6	2720	65000	
A 80 4_898.7	898.7	3.1	8000	2.9	1820	65000	1.6	8000	1.5	2780	65000	
A 80 4_1001	1001	2.8	8000	2.6	1620	65000	1.4	8000	1.3	2740	65000	
A 80 4_1085	1085	2.6	8000	2.4	1900	65000	1.3	8000	1.2	2800	65000	
A 80 4_1237	1237	2.3	8000	2.1	1660	65000	1.1	8000	1.1	2750	65000	
A 80 4_1340	1340	2.1	8000	2.0	1940	65000	1.0	8000	0.98	2810	65000	
A 80 4_1438	1438	1.9	8000	1.8	1730	65000	0.97	8000	0.92	2770	65000	
A 80 4_1558	1558	1.8	8000	1.7	2000	65000	0.90	8000	0.85	2830	65000	

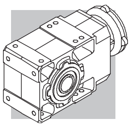
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



A 80 8000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 80 3_9.8	9.8	92	4450	47	—	36700	51	5300	31	—	43800	
A 80 3_10.7	10.7	84	4900	48	—	36900	47	5850	32	—	44000	
A 80 3_12.3	12.3	73	4900	41	—	38900	41	5850	27	—	46400	
A 80 3_13.3	13.3	68	4900	38	1360	40200	38	5850	25	1600	47900	
A 80 3_15.5	15.5	58	4650	31	2130	43000	32	5550	21	2530	51300	
A 80 3_16.7	16.7	54	5100	32	1840	43400	29.9	6100	21	2120	51700	
A 80 3_19.3	19.3	47	5000	27	2260	46000	25.9	6000	17.9	2530	54800	
A 80 3_20.9	20.9	43	5470	27	2030	46400	23.9	6500	17.9	2530	55400	
A 80 3_22.6	22.6	40	7100	33	6810	43900	22.1	8000	20.4	7000	53400	
A 80 3_24.5	24.5	37	7700	33	6800	44100	20.4	8000	18.8	7000	55300	
A 80 3_28.2	28.2	32	7550	28	6940	47000	17.7	8000	16.3	7000	58400	
A 80 3_30.6	30.6	29.4	7400	25	7000	49000	16.4	8000	15.1	7000	60400	
A 80 3_35.5	35.5	25.3	8000	23	6980	50600	14.1	8000	13.0	7000	63900	
A 80 3_38.5	38.5	23.4	8000	22	7000	52400	13.0	8000	12.0	7000	65000	
A 80 3_44.5	44.5	20.2	8000	18.6	7000	55400	11.2	8000	10.3	7000	65000	
A 80 3_48.2	48.2	18.7	8000	17.2	7000	57300	10.4	8000	9.6	7000	65000	
A 80 3_55.2	55.2	16.3	8000	15.0	7000	60300	9.1	8000	8.3	7000	65000	
A 80 3_59.8	59.8	15.1	8000	13.9	7000	62300	8.4	8000	7.7	7000	65000	
A 80 3_66.8	66.8	13.5	8000	12.4	7000	65000	7.5	8000	6.9	7000	65000	
A 80 3_72.4	72.4	12.4	8000	11.4	7000	65000	6.9	8000	6.4	7000	65000	
A 80 3_82.3	82.3	10.9	8000	10.1	7000	65000	6.1	8000	5.6	7000	65000	
A 80 3_89.2	89.2	10.1	8000	9.3	7000	65000	5.6	8000	5.2	7000	65000	
A 80 3_96.0	96.0	9.4	8000	8.6	7000	65000	5.2	8000	4.8	7000	65000	
A 80 3_104.0	104.0	8.7	8000	8.0	7000	65000	4.8	8000	4.4	7000	65000	
A 80 3_116.0	116.0	7.8	8000	7.1	7000	65000	4.3	8000	4.0	7000	65000	
A 80 3_125.6	125.6	7.2	8000	6.6	7000	65000	4.0	8000	3.7	7000	65000	302
A 80 3_144.7	144.7	6.2	8000	5.7	7000	65000	3.5	8000	3.2	7000	65000	
A 80 3_156.8	156.8	5.7	8000	5.3	7000	65000	3.2	8000	2.9	7000	65000	
A 80 4_171.3	171.3	5.3	8000	4.9	2300	65000	2.9	8000	2.7	3500	65000	
A 80 4_214.7	214.7	4.2	8000	3.9	2470	65000	2.3	8000	2.2	3500	65000	
A 80 4_232.6	232.6	3.9	8000	3.6	2870	65000	2.1	8000	2.0	3500	65000	
A 80 4_277.3	277.3	3.2	8000	3.1	3000	65000	1.8	8000	1.7	3500	65000	
A 80 4_300.4	300.4	3.0	8000	2.8	3120	65000	1.7	8000	1.6	3500	65000	
A 80 4_354.0	354.0	2.5	8000	2.4	3100	65000	1.4	8000	1.3	3500	65000	
A 80 4_383.5	383.5	2.3	8000	2.2	3180	65000	1.3	8000	1.2	3500	65000	
A 80 4_442.1	442.1	2.0	8000	1.9	3160	65000	1.1	8000	1.1	3500	65000	
A 80 4_478.9	478.9	1.9	8000	1.8	3230	65000	1.0	8000	0.98	3500	65000	
A 80 4_560.5	560.5	1.6	8000	1.5	3210	65000	0.89	8000	0.84	3500	65000	
A 80 4_607.2	607.2	1.5	8000	1.4	3280	65000	0.82	8000	0.78	3500	65000	
A 80 4_703.5	703.5	1.3	8000	1.2	3260	65000	0.71	8000	0.67	3500	65000	
A 80 4_762.1	762.1	1.2	8000	1.1	3320	65000	0.66	8000	0.62	3500	65000	
A 80 4_829.5	829.5	1.1	8000	1.0	3280	65000	0.60	8000	0.57	3500	65000	
A 80 4_898.7	898.7	1.0	8000	0.94	3340	65000	0.56	8000	0.52	3500	65000	
A 80 4_1001	1001	0.90	8000	0.85	3300	65000	0.50	8000	0.47	3500	65000	
A 80 4_1085	1085	0.83	8000	0.78	3360	65000	0.46	8000	0.43	3500	65000	
A 80 4_1237	1237	0.73	8000	0.68	3310	65000	0.40	8000	0.38	3500	65000	
A 80 4_1340	1340	0.67	8000	0.63	3370	65000	0.37	8000	0.35	3500	65000	
A 80 4_1438	1438	0.63	8000	0.59	3330	65000	0.35	8000	0.33	3500	65000	
A 80 4_1558	1558	0.58	8000	0.54	3390	65000	0.32	8000	0.30	3500	65000	

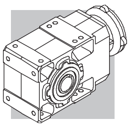
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



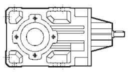
A 90 — 14000 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 90 3_9.7	9.7	289	7800	260	2440	27600	145	9050	151	5520	35000	
A 90 3_10.5	10.5	267	8350	257	2620	27700	134	9800	151	5530	34900	
A 90 3_12.6	12.6	221	8500	217	2700	29800	111	10450	133	4790	36700	
A 90 3_13.7	13.7	204	8050	189	4670	31800	102	11150	131	5060	36900	
A 90 3_15.6	15.6	180	8900	184	3240	32000	90	10950	113	5410	39400	
A 90 3_16.9	16.9	166	9650	184	3230	31900	83	11850	113	5440	39300	
A 90 3_19.4	19.4	144	9400	156	3160	34300	72	11550	96	5350	42300	
A 90 3_21.0	21.0	133	10150	156	3210	34300	67	12400	95	5510	42400	
A 90 3_22.3	22.3	126	9850	143	9660	35700	63	12150	88	12200	43900	
A 90 3_24.1	24.1	116	10700	143	9660	35500	58	13150	88	12200	43800	
A 90 3_29.1	29.1	96	10550	117	9800	38900	48	13000	72	12400	47900	
A 90 3_31.5	31.5	89	11450	117	9800	38800	44	14000	72	12400	47900	
A 90 3_35.8	35.8	78	11150	100	9910	41600	39	13750	62	12500	51100	
A 90 3_38.8	38.8	72	12100	100	9900	41500	36	14000	58	12700	52700	
A 90 3_44.6	44.6	63	11800	85	9920	44600	31	14000	51	12700	56000	
A 90 3_48.3	48.3	58	12800	85	9920	44500	29.0	14000	47	12800	58000	
A 90 3_55.0	55.0	51	12550	73	9960	47500	25.4	14000	41	12800	61400	
A 90 3_59.6	59.6	47	13550	73	9970	47500	23.5	14000	38	13000	63500	
A 90 3_68.8	68.8	41	13350	63	9960	50900	20.4	14000	33	13000	67400	
A 90 3_74.5	74.5	38	14000	61	10000	51700	18.8	14000	30	13100	69700	
A 90 3_80.4	80.4	35	13900	56	9920	53500	17.4	14000	28	13000	71900	
A 90 3_87.1	87.1	32	14000	52	10100	55500	16.1	14000	26	13200	74300	
A 90 3_98.6	98.6	28.4	14000	46	9990	58500	14.2	14000	23	13100	75000	
A 90 3_106.8	106.8	26.2	14000	42	10100	60600	13.1	14000	21	13300	75000	
A 90 3_116.9	116.9	24.0	14000	39	10100	63000	12.0	14000	19.3	13200	75000	
A 90 3_126.6	126.6	22.1	10650	27	10600	71400	11.1	13150	16.7	13400	75000	305
A 90 3_139.4	139.4	20.1	10350	24	10600	74500	10.0	12750	14.7	13400	75000	
A 90 3_151.0	151.0	18.5	11200	24	10600	75000	9.3	13800	14.7	13400	75000	
A 90 4_166.1	166.1	16.9	14000	28	—	75000	8.4	14000	13.9	—	75000	
A 90 4_180.0	180.0	15.6	14000	26	—	75000	7.8	14000	12.8	—	75000	
A 90 4_209.0	209.0	13.4	14000	22	—	75000	6.7	14000	11.0	—	75000	
A 90 4_226.4	226.4	12.4	14000	20	—	75000	6.2	14000	10.2	—	75000	
A 90 4_281.4	281.4	9.9	14000	16.4	—	75000	5.0	14000	8.2	—	75000	
A 90 4_304.9	304.9	9.2	14000	15.1	—	75000	4.6	14000	7.6	—	75000	
A 90 4_355.8	355.8	7.9	14000	13.0	—	75000	3.9	14000	6.5	—	75000	
A 90 4_385.4	385.4	7.3	14000	12.0	—	75000	3.6	14000	6.0	680	75000	
A 90 4_449.2	449.2	6.2	14000	10.3	—	75000	3.1	14000	5.1	—	75000	
A 90 4_486.6	486.6	5.8	14000	9.5	—	75000	2.9	14000	4.7	950	75000	
A 90 4_555.3	555.3	5.0	14000	8.3	—	75000	2.5	14000	4.2	740	75000	
A 90 4_601.6	601.6	4.7	14000	7.7	—	75000	2.3	14000	3.8	1200	75000	
A 90 4_707.9	707.9	4.0	14000	6.5	—	75000	2.0	14000	3.3	1050	75000	
A 90 4_766.9	766.9	3.7	14000	6.0	—	75000	1.8	14000	3.0	1490	75000	
A 90 4_865.1	865.1	3.2	14000	5.3	—	75000	1.6	14000	2.7	1170	75000	
A 90 4_937.2	937.2	3.0	14000	4.9	—	75000	1.5	14000	2.5	1590	75000	
A 90 4_1025	1025	2.7	14000	4.5	—	75000	1.4	14000	2.2	1330	75000	
A 90 4_1111	1111	2.5	14000	4.2	—	75000	1.3	14000	2.1	1740	75000	
A 90 4_1222	1222	2.3	14000	3.8	—	75000	1.1	14000	1.9	1380	75000	
A 90 4_1324	1324	2.1	14000	3.5	—	75000	1.1	14000	1.7	1790	75000	
A 90 4_1507	1507	1.9	14000	3.1	—	75000	0.93	14000	1.5	1440	75000	
A 90 4_1632	1632	1.7	14000	2.8	—	75000	0.86	14000	1.4	1840	75000	

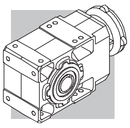
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



A 90 — 14000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
A 90 3_9.7	9.7	93	9050	97	9800	42300	52	9050	54	15000	53700	
A 90 3_10.5	10.5	86	9800	97	9810	42500	48	9800	54	15000	54200	
A 90 3_12.6	12.6	71	11800	97	6720	42100	40	11800	54	13500	54500	
A 90 3_13.7	13.7	66	12750	96	6770	42100	37	12800	54	13500	54600	
A 90 3_15.6	15.6	58	11550	77	8730	46700	32	11550	43	15000	59900	
A 90 3_16.9	16.9	53	12500	77	8750	46800	29.6	12500	43	15000	60300	
A 90 3_19.4	19.4	46	11550	62	9630	51400	25.8	11550	34	15000	65400	
A 90 3_21.0	21.0	43	12400	61	9790	51700	23.8	12400	34	15000	66100	
A 90 3_22.3	22.3	40	13850	64	14200	50200	22.5	14000	36	15000	64700	
A 90 3_24.1	24.1	37	14000	60	14400	51900	20.7	14000	33	15000	66900	
A 90 3_29.1	29.1	31	14000	50	14600	56200	17.2	14000	28	15000	72100	
A 90 3_31.5	31.5	28.6	14000	46	14800	58400	15.9	14000	26	15000	74700	
A 90 3_35.8	35.8	25.1	14000	40	14900	61700	14.0	14000	23	15000	75000	
A 90 3_38.8	38.8	23.2	14000	37	15000	63900	12.9	14000	21	15000	75000	
A 90 3_44.6	44.6	20.2	14000	33	15000	67700	11.2	14000	18.1	15000	75000	
A 90 3_48.3	48.3	18.6	14000	30	15000	70000	10.4	14000	16.7	15000	75000	
A 90 3_55.0	55.0	16.4	14000	26	15000	73800	9.1	14000	14.6	15000	75000	
A 90 3_59.6	59.6	15.1	14000	24	15000	75000	8.4	14000	13.5	15000	75000	
A 90 3_68.8	68.8	13.1	14000	21	15000	75000	7.3	14000	11.7	15000	75000	
A 90 3_74.5	74.5	12.1	14000	19.5	15000	75000	6.7	14000	10.8	15000	75000	
A 90 3_80.4	80.4	11.2	14000	18.0	15000	75000	6.2	14000	10.0	15000	75000	
A 90 3_87.1	87.1	10.3	14000	16.7	15000	75000	5.7	14000	9.3	15000	75000	
A 90 3_98.6	98.6	9.1	14000	14.7	15000	75000	5.1	14000	8.2	15000	75000	
A 90 3_106.8	106.8	8.4	14000	13.6	15000	75000	4.7	14000	7.5	15000	75000	
A 90 3_116.9	116.9	7.7	14000	12.4	15000	75000	4.3	14000	6.9	15000	75000	
A 90 3_126.6	126.6	7.1	14000	11.4	15000	75000	3.9	14000	6.4	15000	75000	305
A 90 3_139.4	139.4	6.5	14000	10.4	15000	75000	3.6	14000	5.8	15000	75000	
A 90 3_151.0	151.0	6.0	14000	9.6	15000	75000	3.3	14000	5.3	15000	75000	
A 90 4_166.1	166.1	5.4	14000	8.9	—	75000	3.0	14000	5.0	700	75000	
A 90 4_180.0	180.0	5.0	14000	8.2	—	75000	2.8	14000	4.6	1400	75000	
A 90 4_209.0	209.0	4.3	14000	7.1	—	75000	2.4	14000	3.9	1500	75000	
A 90 4_226.4	226.4	4.0	14000	6.5	500	75000	2.2	14000	3.6	2100	75000	
A 90 4_281.4	281.4	3.2	14000	5.3	690	75000	1.8	14000	2.9	2300	75000	
A 90 4_304.9	304.9	3.0	14000	4.9	1230	75000	1.6	14000	2.7	2900	75000	
A 90 4_355.8	355.8	2.5	14000	4.2	1240	75000	1.4	14000	2.3	2900	75000	
A 90 4_385.4	385.4	2.3	14000	3.8	1750	75000	1.3	14000	2.1	3400	75000	
A 90 4_449.2	449.2	2.0	14000	3.3	1540	75000	1.1	14000	1.8	3200	75000	
A 90 4_486.6	486.6	1.8	14000	3.0	2020	75000	1.0	14000	1.7	3500	75000	
A 90 4_555.3	555.3	1.6	14000	2.7	1810	75000	0.90	14000	1.5	3500	75000	
A 90 4_601.6	601.6	1.5	14000	2.5	2270	75000	0.83	14000	1.4	3500	75000	
A 90 4_707.9	707.9	1.3	14000	2.1	2120	75000	0.71	14000	1.2	3500	75000	
A 90 4_766.9	766.9	1.2	14000	1.9	2560	75000	0.65	14000	1.1	3500	75000	
A 90 4_865.1	865.1	1.0	14000	1.7	2240	75000	0.58	14000	0.95	3500	75000	
A 90 4_937.2	937.2	0.96	14000	1.6	2660	75000	0.53	14000	0.88	3500	75000	
A 90 4_1025	1025	0.88	14000	1.4	2400	75000	0.49	14000	0.80	3500	75000	
A 90 4_1111	1111	0.81	14000	1.3	2810	75000	0.45	14000	0.74	3500	75000	
A 90 4_1222	1222	0.74	14000	1.2	2450	75000	0.41	14000	0.67	3500	75000	
A 90 4_1324	1324	0.68	14000	1.1	2860	75000	0.38	14000	0.62	3500	75000	
A 90 4_1507	1507	0.60	14000	0.98	2410	75000	0.33	14000	0.55	3500	75000	
A 90 4_1632	1632	0.55	14000	0.91	2910	75000	0.31	14000	0.50	3500	75000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



41 PREDISPOSIZIONI MOTORE

Nelle tabelle (C39) e (C40) vengono riportati gli abbinamenti motore possibili in termini puramente geometrici.

La scelta del motoriduttore deve essere effettuata seguendo le istruzioni specificate al paragrafo 11, rispettando in particolare la condizione S ≥ f_s.

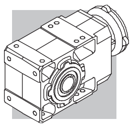
(C 39)

IEC_ BN BE BX (IM B5)

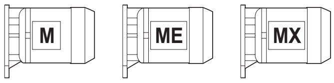
		P63	P71	P80		P90		P100		P112		P132			P160			P180			P200	P225	P250
		BN	BN	BN	BE	BN	BE	BN	BE	BN	BE	BN	BE	BX	BN	BE	BX	BN	BE	BX	BN	IEC	IEC
P_{n1}(#) [kW]	2p	0.37	0.75	1.5	1.1	2.2	2.2	4	3	4	4	9.2	9.2	—	18.5	18.5	—	22	—	—	30	45	55
	4p	0.25	0.55	1.1	0.75	1.85	1.5	3	3	4	4	9.2	9.2	7.5	15	15	15	22	22	22	30	47	55
	6p	0.12	0.37	0.75	—	1.1	0.75	1.85	1.5	2.2	2.2	5.5	4	—	11	7.5	—	15	—	—	18.5	30	37

i =	P63	P71	P80	P90	P100	P112	P132	P160	P180	P200	P225	P250
A 05 2	5.5_91.6	5.5_51.3	5.5_51.3									
A 10 2	5.5_91.6	5.5_91.6	5.5_65.9	5.5_65.9	5.5_65.9	5.5_65.9						
A 20 2	7.3_92.3 ⊖ (10.3)	7.3_92.3 ⊖ (10.3)	5.4_79.9	5.4_79.9	5.4_79.9	5.4_79.9						
A 20 3	109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9						
A 30 2	9.3_97.5 ⊖ (10.5 ; 13.6_16.3)	9.3_97.5 ⊖ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5						
A 30 3	109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8						
A 35 2	9.3_95.6 ⊖ (13.1_20.4)	9.3_95.6 ⊖ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6	5.4_11.8					
A 35 3	105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2						
A 41 2	11.7_79.2 ⊖ (13.8_17.8)	11.7_79.2 ⊖ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_45.1					
A 41 3	92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8						
A 50 2	20.9	20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9			
A 50 3	51.7_190.6	51.7_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4	24.0_109.4			
A 50 4	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2						
A 55 2			13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2	4.9_19.2			
A 55 3	64.3_194.2	64.3_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9	23.8_123.9			
A 55 4	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0						
A 60 2			10.3_20.6	10.3_20.6	10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6	7.9_20.6			
A 60 3	65.0_185.8	65.0_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3	25.7_133.3			
A 60 4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4						
A 70 3			66.9_153.7	66.9_153.7	66.9_153.7	66.9_153.7	15.4_153.7 ⊖ (23.5_30.1)	9.4_153.7	9.4_153.7	9.4_38.4 ⊖ (19.7_21.3)		
A 70 4	292.0_1715	292.0_1715	169.8_1715	169.8_1715	169.8_1715	169.8_1715	169.8_644.6					
A 80 3			82.3_156.8	82.3_156.8	82.3_156.8	82.3_156.8	19.3_156.8 ⊖ (22.6_38.5)	12.3_156.8 ⊖ (22.6_24.5)	9.8_156.8	9.8_104.0	9.8_104.0	
A 80 4	354.0_1558	354.0_1558	171.3_1558	171.3_1558	171.3_1558	171.3_1558	171.3_762.1					
A 90 3			98.6_151.0	98.6_151.0	98.6_151.0	98.6_151.0	55.0_151.0	19.4_151.0 ⊖ (22.3_38.8)	9.7_151.0	9.7_126.6	9.7_126.6	9.7_126.6
A 90 4	449.2_1632	449.2_1632	166.1_1632	166.1_1632	166.1_1632	166.1_1632	166.1_937.2	166.1_937.2	166.1_937.2			

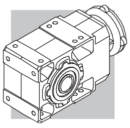
(#) P_{n1} = massima potenza installabile sull'ingresso P_



(C 40)



		M05	M1	M2 - ME2	ME3	ME4 - MX4	ME5 - MX5
A 05 2		5.5_91.6	5.5_51.3	5.5_65.9			
A 10 2		5.5_91.6	5.5_51.3	5.5_65.9	5.5_65.9		
A 20 2		7.3_92.3 ⊖ (10.3)	7.3_63.1 ⊖ (10.3)	5.4_79.9	5.4_79.9		
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9		
A 30 2			9.3_76.5 ⊖ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5		
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8		
A 35 2			9.3_95.6 ⊖ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_11.8	
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2		
A 41 2			11.7_79.2 ⊖ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_45.1	
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8		
A 50 2			20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9
A 50 3			51.7_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4
A 50 4	**i =**		211.0_778.2	211.0_778.2	211.0_778.2		
A 55 2				13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2
A 55 3			64.3_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9
A 55 4			208.1_793.0	208.1_793.0	208.1_793.0		
A 60 2				10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6
A 60 3				25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3
A 60 4			208.7_755.4	208.7_755.4	208.7_755.4		
A 70 3				66.9_153.7	66.9_153.7	15.4_153.7 ⊖ (23.5_30.1)	15.4_153.7 ⊖ (23.5_30.1)
A 70 4			292.0_1715	169.8_1715	169.8_1715	169.8_644.6	
A 80 3					82.3_156.8	19.3_156.8 ⊖ (22.6_38.5)	19.3_156.8 ⊖ (22.6_38.5)
A 80 4			354.0_1558	171.3_1558	171.3_1558	171.3_762.1	
A 90 3					98.6_151.0	55.0_151.0	55.0_151.0
A 90 4			449.2_1632	166.1_1632	166.1_1632	166.1_937.2	



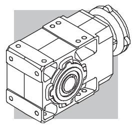
Predisposizioni motore sono disponibili per l'abbinamento dei riduttori A05…A60 con i servomotori delle tipologie più diffuse. Le dimensioni delle flange sono reperibili nella sezione dimensionale di ogni singolo riduttore. La sigla **SK** identifica calettamenti con l'albero motore dotati di sede per chiavetta, mentre la sigla **SC** corrisponde al calettamento mediante morsetto di serraggio (fornito).

(C 41)

		SERVO INPUT					
		SK40A	**SK60A**	**SK60B**	**SK80A**	**SK80B**	**SK80C**
		SC40A	**SC60A**	**SC60B**	**SC80A**	**SC80B**	**SC80C**
A 05 2		5.5_91.6	5.5_91.6	5.5_51.3	5.5_51.3		
A 10 2			5.5_91.6	5.5_51.3	5.5_51.3		5.5_65.9
A 20 2			7.3_92.3 ⊖ (10.3)	7.3_63.1 ⊖ (10.3)	7.3_63.1 ⊖ (10.3)		5.4_79.9
A 20 3			109.2_380.9	109.2_380.9	109.2_380.9		109.2_380.9
A 30 2			9.3_97.5 ⊖ (10.5 ; 13.6_16.3)	9.3_76.5 ⊖ (10.5 ; 13.6_16.3)	9.3_76.5 ⊖ (10.5 ; 13.6_16.3)		5.4_97.5
A 30 3			109.1_400.8	109.1_400.8	109.1_400.8		109.1_400.8
A 35 2			9.3_95.6 ⊖ (13.1_20.4)	9.3_95.6 ⊖ (13.1_20.4)	9.3_95.6 ⊖ (13.1_20.4)		5.4_95.6
A 35 3			105.5_393.2	105.5_393.2	105.5_393.2		105.5_393.2
A 41 2	**i =**					11.7_79.2 ⊖ (13.8_17.8)	5.2_79.2
A 41 3			92.8_376.8	92.8_376.8	92.8_376.8		92.8_376.8
A 50 2						20.9	7.7_20.9
A 50 3						51.7_190.6	24.0_190.6
A 50 4							211.0_778.2
A 55 2							13.1_19.2
A 55 3						64.3_194.2	23.8_194.2
A 55 4							208.1_793.0
A 60 2							10.3_20.6
A 60 3							25.7_185.8
A 60 4						208.7_755.4	208.7_755.4

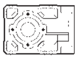
(C 42)

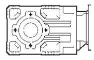
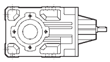
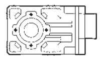
		SERVO INPUT								
		SK95A	**SK95B**	**SK95C**	**SK110A**	**SK110B**	**SK130A**	**SK130B**	**SK180A**	**SK180B**
		SC95A	**SC95B**	**SC95C**	**SC110A**	**SC110B**	**SC130A**	**SC130B**	**SC180A**	**SC180B**
A 10 2		5.5_51.3	5.5_65.9	5.5_65.9	5.5_65.9	5.5_65.9				
A 20 2		7.3_63.1 ⊖ (10.3)	5.4_79.9	5.4_79.9	5.4_79.9	5.4_79.9				
A 20 3		109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9	109.2_380.9				
A 30 2		9.3_76.5 ⊖ (10.5 ; 13.6_16.3)	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5	5.4_97.5			
A 30 3		109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8	109.1_400.8				
A 35 2		9.3_95.6 ⊖ (13.1_20.4)	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6	5.4_95.6			
A 35 3		105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2	105.5_393.2				
A 41 2	**i =**	11.7_79.2 ⊖ (13.8_17.8)	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_79.2	5.2_45.1	5.2_45.1	5.2_45.1
A 41 3		92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8	92.8_376.8				
A 50 2		20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9	7.7_20.9
A 50 3		51.7_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_190.6	24.0_109.4	24.0_109.4	24.0_109.4
A 50 4		211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2	211.0_778.2			
A 55 2			13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	13.1_19.2	4.9_19.2	4.9_19.2	4.9_19.2
A 55 3		64.3_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_194.2	23.8_123.9	23.8_123.9	23.8_123.9
A 55 4		208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0	208.1_793.0			
A 60 2			10.3_20.6	10.3_20.6	10.3_20.6	10.3_20.6	10.3_20.6	7.9_20.6	7.9_20.6	7.9_20.6
A 60 3		65.0_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_185.8	25.7_133.3	25.7_133.3	25.7_133.3
A 60 4		208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4	208.7_755.4			



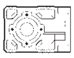
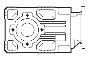
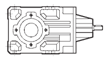
42 MOMENTO D’INERZIA

Le tabelle seguenti indicano i valori del momento d’inerzia J_r [kgm²] riferiti all’asse veloce del riduttore; per una migliore facilità di lettura riportiamo le definizioni dei simboli usati.

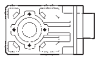
	I valori riferiti a questo simbolo sono da attribuire al riduttore compatto senza motore. In questo caso, per avere il momento d’inerzia complessivo del motoriduttore, si dovrà sommare il valore corrispondente al riduttore compatto, a quello del motore da applicare (dato reperibile nelle tabelle delle caratteristiche tecniche dei motori elettrici).

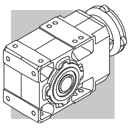
 IEC	I valori relativi a questi simboli sono da attribuire al riduttore predisposto per attacco motore (grandezza IEC...).
	I valori attribuiti al riduttore sono riferiti a questo simbolo.
 SERVO	I valori relativi a questi simboli sono da attribuire al riduttore predisposto per accoppiamento a servomotore.

A 05

	i	J (•10⁻⁴) [kgm²]				
			 IEC			
			63	71	80	
A 05 2_5.5	5.5	0.72	0.99	1.0	1.4	—
A 05 2_6.3	6.3	0.56	0.83	0.86	1.2	—
A 05 2_7.2	7.2	0.48	0.74	0.77	1.1	—
A 05 2_8.5	8.5	0.36	0.63	0.65	1.0	—
A 05 2_9.6	9.6	0.29	0.55	0.58	0.92	—
A 05 2_10.6	10.6	0.50	0.77	0.80	1.1	—
A 05 2_12.3	12.3	0.18	0.45	0.48	0.82	—
A 05 2_13.9	13.9	0.35	0.62	0.65	0.99	—
A 05 2_16.4	16.4	0.27	0.54	0.57	0.91	—
A 05 2_18.6	18.6	0.22	0.49	0.51	0.86	—
A 05 2_21.4	21.4	0.16	0.43	0.46	0.80	—
A 05 2_23.8	23.8	0.14	0.41	0.43	0.78	—
A 05 2_25.5	25.5	0.13	0.39	0.42	0.76	—
A 05 2_28.6	28.6	0.11	0.38	0.40	0.75	—
A 05 2_32.2	32.2	0.09	0.36	0.39	0.73	—
A 05 2_35.1	35.1	0.08	0.35	0.37	0.72	—
A 05 2_40.9	40.9	0.07	0.33	0.36	0.70	—
A 05 2_45.4	45.4	0.05	0.32	0.35	0.69	—
A 05 2_51.3	51.3	0.04	0.31	0.34	0.68	—
A 05 2_58.6	58.6	0.04	0.31	—	—	—
A 05 2_65.9	65.9	0.03	0.30	—	—	—
A 05 2_76.4	76.4	0.02	0.29	—	—	—
A 05 2_91.6	91.6	0.02	0.28	—	—	—

A 05

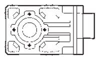
	i	J (•10⁻⁴) [kgm²]  SERVO					
		40A		60A		60B 80A	
		SK	SC	SK	SC	SK	SC
A 05 2_5.5	5.5	0.89	1.1	0.99	1.3	1.0	1.4
A 05 2_6.3	6.3	0.73	0.89	0.83	1.1	0.86	1.3
A 05 2_7.2	7.2	0.65	0.81	0.74	1.0	0.77	1.2
A 05 2_8.5	8.5	0.53	0.69	0.63	0.89	0.65	1.1
A 05 2_9.6	9.6	0.46	0.62	0.55	0.81	0.58	1.0
A 05 2_10.6	10.6	0.67	0.83	0.77	1.0	0.80	1.2
A 05 2_12.3	12.3	0.35	0.51	0.45	0.71	0.48	0.92
A 05 2_13.9	13.9	0.52	0.68	0.62	0.88	0.65	1.1
A 05 2_16.4	16.4	0.44	0.60	0.54	0.80	0.57	1.0
A 05 2_18.6	18.6	0.39	0.55	0.49	0.75	0.51	0.95
A 05 2_21.4	21.4	0.33	0.49	0.43	0.69	0.46	0.90
A 05 2_23.8	23.8	0.31	0.47	0.41	0.67	0.43	0.87
A 05 2_25.5	25.5	0.30	0.46	0.39	0.65	0.42	0.86
A 05 2_28.6	28.6	0.28	0.44	0.38	0.64	0.40	0.84
A 05 2_32.2	32.2	0.26	0.42	0.36	0.62	0.39	0.83
A 05 2_35.1	35.1	0.25	0.41	0.35	0.61	0.37	0.81
A 05 2_40.9	40.9	0.24	0.40	0.33	0.59	0.36	0.80
A 05 2_45.4	45.4	0.22	0.38	0.32	0.58	0.35	0.79
A 05 2_51.3	51.3	0.21	0.37	0.31	0.57	0.34	0.78
A 05 2_58.6	58.6	0.21	0.37	0.31	0.57	—	—
A 05 2_65.9	65.9	0.20	0.36	0.30	0.56	—	—
A 05 2_76.4	76.4	0.19	0.35	0.29	0.55	—	—
A 05 2_91.6	91.6	0.19	0.35	0.28	0.54	—	—

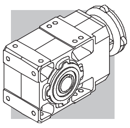


A 10

	i	J (•10^-4) [kgm²]							
			IEC						
			63	71	80	90	100	112	
A 10 2_5.5	5.5	1.0	2.5	2.5	3.9	3.8	5.1	5.1	1.8
A 10 2_6.3	6.3	0.80	2.3	2.3	3.7	3.6	4.9	4.9	1.6
A 10 2_7.2	7.2	0.60	2.1	2.1	3.5	3.4	4.7	4.7	1.5
A 10 2_8.5	8.5	0.45	1.9	1.9	3.3	3.1	4.5	4.5	1.4
A 10 2_9.6	9.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	1.3
A 10 2_10.6	10.6	0.50	2.0	2.0	3.4	3.3	4.6	4.6	1.4
A 10 2_12.3	12.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	1.1
A 10 2_13.9	13.9	0.30	1.8	1.8	3.2	3.1	4.6	4.6	1.2
A 10 2_16.4	16.4	0.25	1.7	1.7	3.1	3.0	4.3	4.3	1.1
A 10 2_18.6	18.6	0.20	1.7	1.7	3.1	3.0	4.3	4.3	1.0
A 10 2_21.4	21.4	0.15	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_23.8	23.8	0.10	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_25.5	25.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	1.0
A 10 2_28.6	28.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_32.2	32.2	0.08	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_35.1	35.1	0.07	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_40.9	40.9	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_45.4	45.4	0.05	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 10 2_51.3	51.3	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_58.6	58.6	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_65.9	65.9	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 10 2_76.4	76.4	0.02	1.5	1.5	—	—	—	—	0.90
A 10 2_91.6	91.6	0.01	1.5	1.5	—	—	—	—	0.90

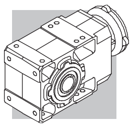
A 10

	i	J (•10^{-4}) [kgm^2]									
		 SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 10 2_5.5	5.5	1.3	1.5	1.3	1.7	3.8	4.3	3.9	4.4	3.8	4.8
A 10 2_6.3	6.3	1.1	1.3	1.1	1.5	3.6	4.1	3.7	4.2	3.6	4.6
A 10 2_7.2	7.2	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4
A 10 2_8.5	8.5	0.72	0.98	0.74	1.2	3.3	3.7	3.3	3.8	3.1	4.1
A 10 2_9.6	9.6	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 10 2_10.6	10.6	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3
A 10 2_12.3	12.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 10 2_13.9	13.9	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 10 2_16.4	16.4	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0
A 10 2_18.6	18.6	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 10 2_21.4	21.4	0.42	0.68	0.44	0.88	3.0	3.4	3.0	3.5	2.9	3.9
A 10 2_23.8	23.8	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_25.5	25.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_28.6	28.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 10 2_32.2	32.2	0.35	0.61	0.37	0.81	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_35.1	35.1	0.34	0.60	0.36	0.80	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_40.9	40.9	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_45.4	45.4	0.32	0.58	0.34	0.78	2.9	3.3	3.0	3.5	2.9	3.9
A 10 2_51.3	51.3	0.30	0.56	0.32	0.76	2.9	3.3	2.9	3.4	2.8	3.8
A 10 2_58.6	58.6	0.30	0.56	—	—	—	—	2.9	3.4	2.8	3.8
A 10 2_65.9	65.9	0.29	0.55	—	—	—	—	2.9	3.4	2.8	3.8
A 10 2_76.4	76.4	0.29	0.55	—	—	—	—	—	—	—	—
A 10 2_91.6	91.6	0.28	0.54	—	—	—	—	—	—	—	—

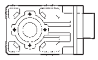


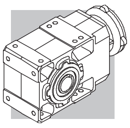
A 20

	i	J (•10⁻⁴) [kgm²]							
			IEC						
			63	71	80	90	100	112	
A 20 2_5.4	5.4	2.4	—	—	5.3	5.2	6.5	6.5	4.3
A 20 2_6.5	6.5	1.9	—	—	4.8	4.7	6.0	6.0	3.8
A 20 2_7.3	7.3	1.4	2.9	2.9	4.3	4.2	5.5	5.5	3.3
A 20 2_8.4	8.4	1.1	2.6	2.6	4.0	3.9	5.2	5.2	3.0
A 20 2_9.4	9.4	0.90	2.4	2.4	3.8	3.7	5.0	5.0	2.8
A 20 2_10.3	10.3	1.2	—	—	4.1	4.0	5.3	5.3	3.0
A 20 2_12.0	12.0	0.50	2.0	2.0	3.4	3.3	4.6	4.6	2.4
A 20 2_14.1	14.1	0.70	2.2	2.2	3.6	3.5	4.8	4.8	2.6
A 20 2_16.2	16.2	0.55	2.0	2.0	3.4	3.3	4.6	4.6	2.5
A 20 2_18.1	18.1	0.40	1.9	1.9	3.3	3.2	4.5	4.5	2.4
A 20 2_21.2	21.2	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.3
A 20 2_23.1	23.1	0.30	1.8	1.8	3.2	3.1	4.4	4.4	2.2
A 20 2_26.5	26.5	0.25	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_29.2	29.2	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_31.3	31.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_35.4	35.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.1
A 20 2_39.6	39.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_43.2	43.2	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_48.3	48.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_53.7	53.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_63.1	63.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.0
A 20 2_71.0	71.0	0.05	1.5	1.5	2.9	2.8	4.1	4.1	2.0
A 20 2_79.9	79.9	0.03	1.5	1.5	2.9	2.8	4.1	4.1	2.0
A 20 2_92.3	92.3	0.02	1.5	1.5	—	—	—	—	2.0
A 20 3_109.2	109.2	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_120.5	120.5	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_129.1	129.1	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_146.1	146.1	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_163.4	163.4	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_178.3	178.3	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_199.2	199.2	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_221.3	221.3	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_260.5	260.5	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_292.8	292.8	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_329.4	329.4	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90
A 20 3_380.9	380.9	0.01	1.5	1.5	2.9	2.8	4.1	4.1	0.90

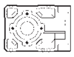
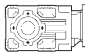
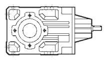


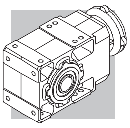
A 20

	i	J (•10-4) [kgm2]  SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 20 2_5.4	5.4	—	—	—	—	—	—	5.3	5.8	5.2	6.2
A 20 2_6.5	6.5	—	—	—	—	—	—	4.8	5.3	4.7	5.7
A 20 2_7.3	7.3	1.7	1.9	1.7	2.1	4.2	4.7	4.3	4.8	4.2	5.2
A 20 2_8.4	8.4	1.4	1.6	1.4	1.8	3.9	4.6	4.0	4.5	3.9	4.9
A 20 2_9.4	9.4	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7
A 20 2_10.3	10.3	—	—	—	—	—	—	4.1	4.6	4.0	5.0
A 20 2_12.0	12.0	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3
A 20 2_14.1	14.1	0.97	1.2	0.99	1.4	3.5	4.0	3.6	4.1	3.5	4.5
A 20 2_16.2	16.2	0.82	1.1	0.84	1.3	3.4	3.8	3.4	3.9	3.3	4.3
A 20 2_18.1	18.1	0.67	0.93	0.69	1.1	3.2	3.7	3.3	3.8	3.2	4.2
A 20 2_21.2	21.2	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1
A 20 2_23.1	23.1	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1
A 20 2_26.5	26.5	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0
A 20 2_29.2	29.2	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_31.3	31.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_35.4	35.4	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0
A 20 2_39.6	39.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_43.2	43.2	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_48.3	48.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_53.7	53.7	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_63.1	63.1	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9
A 20 2_71.0	71.0	0.32	0.58	—	—	—	—	2.9	3.4	2.8	3.8
A 20 2_79.9	79.9	0.30	0.56	—	—	—	—	2.9	3.4	2.8	3.8
A 20 2_92.3	92.3	0.29	0.55	—	—	—	—	—	—	—	—
A 20 3_109.2	109.2	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_120.5	120.5	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_129.1	129.1	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_146.1	146.1	0.29	0.55	0.31	0.75	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_163.4	163.4	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_178.3	178.3	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_199.2	199.2	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_221.3	221.3	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_260.5	260.5	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_292.8	292.8	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_329.4	329.4	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8
A 20 3_380.9	380.9	0.28	0.54	0.30	0.74	2.8	3.3	2.9	3.4	2.8	3.8

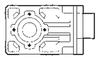


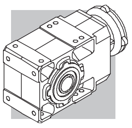
A 30

	i	J (•10-4) [kgm2]							
			 IEC						
			63	71	80	90	100	112	
A 30 2_5.4	5.4	4.5	—	—	7.4	7.3	8.6	8.6	6.9
A 30 2_6.4	6.4	3.4	—	—	6.6	6.6	7.8	7.8	6.0
A 30 2_7.0	7.0	2.9	—	—	5.8	5.8	7.0	7.0	5.2
A 30 2_8.5	8.5	2.2	—	—	5.1	5.1	6.3	6.3	4.6
A 30 2_9.3	9.3	1.6	3.1	3.1	4.5	4.4	5.7	5.7	4.0
A 30 2_10.5	10.5	2.3	—	—	5.2	5.1	6.4	6.4	4.6
A 30 2_11.8	11.8	1.1	2.6	2.6	4.0	3.9	5.2	5.2	3.4
A 30 2_13.6	13.6	1.5	—	—	4.4	4.3	5.6	5.6	3.9
A 30 2_16.3	16.3	1.2	—	—	4.1	4.0	5.3	5.3	3.5
A 30 2_18.0	18.0	0.90	2.4	2.4	3.8	3.7	5.0	5.0	3.2
A 30 2_20.5	20.5	0.70	2.2	2.2	3.6	3.5	4.8	4.8	3.1
A 30 2_22.8	22.8	0.60	2.1	2.1	3.5	3.4	4.7	4.7	3.0
A 30 2_26.5	26.5	0.50	2.0	2.0	3.4	3.3	4.6	4.6	2.9
A 30 2_29.3	29.3	0.40	1.9	1.9	3.3	3.2	4.5	4.5	2.8
A 30 2_33.4	33.4	0.35	1.8	1.8	3.2	3.1	4.4	4.4	2.7
A 30 2_36.6	36.6	0.30	1.8	1.8	3.2	3.1	4.4	4.4	2.7
A 30 2_39.3	39.3	0.25	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_43.4	43.4	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_48.3	48.3	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.6
A 30 2_52.7	52.7	0.20	1.7	1.7	3.1	3.0	4.3	4.3	2.5
A 30 2_59.4	59.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_66.0	66.0	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_76.5	76.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_86.7	86.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.5
A 30 2_97.5	97.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	2.4
A 30 3_109.1	109.1	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_120.5	120.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_137.4	137.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_150.7	150.7	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_161.4	161.4	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_178.5	178.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_198.5	198.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_216.6	216.6	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_244.3	244.3	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_271.5	271.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_314.5	314.5	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_356.3	356.3	0.06	1.6	1.6	3.0	2.9	4.2	4.2	0.90
A 30 3_400.8	400.8	0.04	1.5	1.6	2.9	2.8	4.1	4.1	0.90



A 30

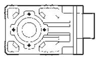
		J (•10⁻⁴) [kgm²]											
		 SERVO											
	i	60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 30 2_5.4	5.4	—	—	—	—	—	—	7.4	7.9	7.3	8.3	7.3	8.3
A 30 2_6.4	6.4	—	—	—	—	—	—	6.6	7.1	6.6	7.6	6.6	7.6
A 30 2_7.0	7.0	—	—	—	—	—	—	5.8	6.3	5.8	6.8	5.8	6.8
A 30 2_8.5	8.5	—	—	—	—	—	—	5.1	5.6	5.1	6.1	5.1	6.1
A 30 2_9.3	9.3	1.9	2.1	1.9	2.3	4.4	4.9	4.5	5.0	4.4	5.4	4.4	5.4
A 30 2_10.5	10.5	—	—	—	—	—	—	5.2	5.7	5.1	6.1	5.1	6.1
A 30 2_11.8	11.8	1.4	1.6	1.4	1.8	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9
A 30 2_13.6	13.6	—	—	—	—	—	—	4.4	4.9	4.3	5.3	4.3	5.3
A 30 2_16.3	16.3	—	—	—	—	—	—	4.1	4.6	4.0	5.0	4.0	5.0
A 30 2_18.0	18.0	1.2	1.4	1.2	1.6	3.7	4.2	3.8	4.3	3.7	4.7	3.7	4.7
A 30 2_20.5	20.5	0.97	1.2	0.99	1.4	3.5	4.0	3.6	4.1	3.5	4.5	3.5	4.5
A 30 2_22.8	22.8	0.87	1.1	0.89	1.3	3.4	3.9	3.5	4.0	3.4	4.4	3.4	4.4
A 30 2_26.5	26.5	0.77	1.0	0.79	1.2	3.3	3.8	3.4	3.9	3.3	4.3	3.3	4.3
A 30 2_29.3	29.3	0.67	0.93	0.69	1.1	3.2	3.7	3.3	3.8	3.2	4.2	3.2	4.2
A 30 2_33.4	33.4	0.62	0.88	0.64	1.1	3.2	3.6	3.2	3.7	3.1	4.1	3.1	4.1
A 30 2_36.6	36.6	0.57	0.83	0.59	1.0	3.1	3.6	3.2	3.7	3.1	4.1	3.1	4.1
A 30 2_39.3	39.3	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_43.4	43.4	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_48.3	48.3	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_52.7	52.7	0.47	0.73	0.49	0.93	3.0	3.5	3.1	3.6	3.0	4.0	3.0	4.0
A 30 2_59.4	59.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_66.0	66.0	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_76.5	76.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_86.7	86.7	0.37	0.63	—	—	—	—	3.0	3.5	2.9	3.9	2.9	3.9
A 30 2_97.5	97.5	0.37	0.63	—	—	—	—	3.0	3.5	2.9	3.9	2.9	3.9
A 30 3_109.1	109.1	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_120.5	120.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_137.4	137.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_150.7	150.7	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_161.4	161.4	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_178.5	178.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_198.5	198.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_216.6	216.6	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_244.3	244.3	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_271.5	271.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_314.5	314.5	0.37	0.63	0.39	0.83	2.9	3.4	3.0	3.5	2.9	3.9	—	—
A 30 3_356.3	356.3	0.33	0.59	0.35	0.79	2.9	3.3	3.0	3.5	2.9	3.9	—	—
A 30 3_400.8	400.8	0.31	0.57	0.33	0.77	2.9	3.3	2.9	3.4	2.8	3.8	—	—

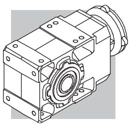


A 35

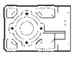
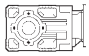
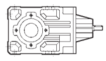
	i	J ($\cdot10^{-4}$) [kgm^2]								
			IEC							
			63	71	80	90	100	112	132	
A 35 2_5.4	5.4	7.3	—	—	10	9.9	11	11	24	9.4
A 35 2_6.4	6.4	5.4	—	—	8.1	8.0	9.2	9.2	22	7.4
A 35 2_7.0	7.0	4.6	—	—	7.3	7.2	8.4	8.4	21	6.6
A 35 2_8.5	8.5	3.3	—	—	6.1	5.9	7.1	7.1	20	5.4
A 35 2_9.3	9.3	2.8	3.5	3.5	5.6	5.4	6.6	6.6	19	4.9
A 35 2_10.6	10.6	2.1	2.9	2.9	4.9	4.8	6.0	6.0	19	4.2
A 35 2_11.8	11.8	1.8	2.5	2.5	4.6	4.4	5.7	5.7	18	3.9
A 35 2_13.1	13.1	3.0	—	—	5.7	5.6	6.8	6.8	—	5.0
A 35 2_15.5	15.5	2.2	—	—	5.0	4.9	6.1	6.1	—	4.3
A 35 2_17.0	17.0	2.0	—	—	4.7	4.6	5.8	5.8	—	4.0
A 35 2_20.4	20.4	1.6	—	—	4.3	4.2	5.4	5.4	—	3.6
A 35 2_22.5	22.5	1.3	2.0	2.0	4.1	3.9	5.1	5.1	—	3.4
A 35 2_25.7	25.7	0.97	1.7	1.7	3.7	3.6	4.8	4.8	—	3.0
A 35 2_28.4	28.4	0.86	1.6	1.6	3.6	3.5	4.7	4.7	—	2.9
A 35 2_33.2	33.2	0.69	1.4	1.4	3.5	3.3	4.5	4.5	—	2.8
A 35 2_36.6	36.6	0.58	1.3	1.3	3.3	3.2	4.4	4.4	—	2.6
A 35 2_41.8	41.8	0.48	1.2	1.2	3.2	3.1	4.3	4.3	—	2.5
A 35 2_45.8	45.8	0.42	1.1	1.1	3.2	3.1	4.3	4.3	—	2.5
A 35 2_49.1	49.1	0.38	1.1	1.1	3.1	3.0	4.2	4.2	—	2.4
A 35 2_54.3	54.3	0.33	1.1	1.0	3.1	3.0	4.2	4.2	—	2.4
A 35 2_60.4	60.4	0.29	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
A 35 2_65.8	65.8	0.25	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
A 35 2_74.3	74.3	0.21	0.95	0.93	3.0	2.8	4.1	4.1	—	2.3
A 35 2_82.5	82.5	0.18	0.92	0.90	2.9	2.8	4.0	4.0	—	2.2
A 35 2_95.6	95.6	0.15	0.88	0.87	2.9	2.8	4.0	4.0	—	2.2
A 35 3_105.5	105.5	0.11	0.89	0.87	2.9	2.8	4.0	4.0	—	0.80
A 35 3_116.9	116.9	0.11	0.88	0.87	2.9	2.8	4.0	4.0	—	0.79
A 35 3_136.3	136.3	0.10	0.87	0.86	2.9	2.8	4.0	4.0	—	0.78
A 35 3_150.6	150.6	0.09	0.86	0.85	2.9	2.8	4.0	4.0	—	0.77
A 35 3_171.8	171.8	0.08	0.86	0.84	2.9	2.8	4.0	4.0	—	0.77
A 35 3_188.3	188.3	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_201.8	201.8	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_223.2	223.2	0.08	0.85	0.84	2.9	2.7	4.0	4.0	—	0.76
A 35 3_248.1	248.1	0.07	0.85	0.83	2.9	2.7	4.0	4.0	—	0.76
A 35 3_270.7	270.7	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_305.4	305.4	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_339.3	339.3	0.07	0.84	0.83	2.9	2.7	4.0	4.0	—	0.75
A 35 3_393.2	393.2	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75

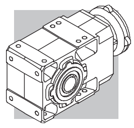
A 35

	i	J (•10-4) [kgm2]											
		 SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 35 2_5.4	5.4	—	—	—	—	—	—	10	11	9.9	10.9	9.9	11
A 35 2_6.4	6.4	—	—	—	—	—	—	8.1	8.6	8.0	9.0	8.0	9.0
A 35 2_7.0	7.0	—	—	—	—	—	—	7.3	7.8	7.2	8.2	7.2	8.2
A 35 2_8.5	8.5	—	—	—	—	—	—	6.1	6.6	5.9	6.9	5.9	6.9
A 35 2_9.3	9.3	3.1	3.3	3.1	3.5	5.6	6.1	5.6	6.1	5.4	6.4	5.4	6.4
A 35 2_10.6	10.6	2.4	2.6	2.4	2.8	4.9	5.4	4.9	5.4	4.8	5.8	4.8	5.8
A 35 2_11.8	11.8	2.1	2.3	2.1	2.5	4.6	5.1	4.6	5.1	4.4	5.4	4.4	5.4
A 35 2_13.1	13.1	—	—	—	—	—	—	5.7	6.2	5.6	6.6	5.6	6.6
A 35 2_15.5	15.5	—	—	—	—	—	—	5.0	5.5	4.9	5.9	4.9	5.9
A 35 2_17.0	17.0	—	—	—	—	—	—	4.7	5.2	4.6	5.6	4.6	5.6
A 35 2_20.4	20.4	—	—	—	—	—	—	4.3	4.8	4.2	5.2	4.2	5.2
A 35 2_22.5	22.5	1.6	1.8	1.6	2.0	4.1	4.6	4.1	4.6	3.9	4.9	3.9	4.9
A 35 2_25.7	25.7	1.2	1.5	1.3	1.7	3.8	4.2	3.7	4.2	3.6	4.6	3.6	4.6
A 35 2_28.4	28.4	1.1	1.4	1.2	1.6	3.7	4.1	3.6	4.1	3.5	4.5	3.5	4.5
A 35 2_33.2	33.2	0.96	1.2	0.98	1.4	3.5	3.9	3.5	4.0	3.3	4.3	3.3	4.3
A 35 2_36.6	36.6	0.85	1.1	0.87	1.3	3.4	3.8	3.3	3.8	3.2	4.2	3.2	4.2
A 35 2_41.8	41.8	0.75	1.0	0.77	1.2	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1
A 35 2_45.8	45.8	0.69	0.95	0.71	1.1	3.2	3.7	3.2	3.7	3.1	4.1	3.1	4.1
A 35 2_49.1	49.1	0.65	0.91	0.67	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
A 35 2_54.3	54.3	0.60	0.86	0.62	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
A 35 2_60.4	60.4	0.56	0.82	0.58	1.0	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
A 35 2_65.8	65.8	0.52	0.78	0.54	0.98	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
A 35 2_74.3	74.3	0.48	0.74	0.50	0.94	3.0	3.5	3.0	3.5	2.8	3.8	2.8	3.8
A 35 2_82.5	82.5	0.45	0.71	0.47	0.91	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
A 35 2_95.6	95.6	0.42	0.68	0.44	0.88	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
A 35 3_105.5	105.5	0.38	0.64	0.40	0.84	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_116.9	116.9	0.38	0.64	0.40	0.84	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_136.3	136.3	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.8	3.8	—	—
A 35 3_150.6	150.6	0.36	0.62	0.38	0.82	2.9	3.3	2.9	3.4	2.8	3.8	—	—
A 35 3_171.8	171.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.8	3.8	—	—
A 35 3_188.3	188.3	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_201.8	201.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_223.2	223.2	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_248.1	248.1	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_270.7	270.7	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_305.4	305.4	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_339.3	339.3	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
A 35 3_393.2	393.2	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—

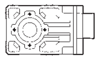


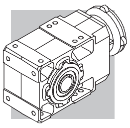
A 41

	i	J (•10⁻⁴) [kgm²]								
			 IEC							
			63	71	80	90	100	112	132	
A 41 2_5.2	5.2	13	—	—	16	16	17	17	32	23
A 41 2_7.1	7.1	7.3	—	—	10	10	11	11	26	18
A 41 2_8.3	8.3	5.9	—	—	8.8	8.7	10	10	25	16
A 41 2_9.2	9.2	4.5	—	—	7.4	7.3	8.6	8.6	23	15
A 41 2_10.1	10.1	5.9	—	—	8.8	8.7	10	10	25	16
A 41 2_11.7	11.7	2.9	4.4	4.4	5.8	5.7	7.0	7.0	22	13
A 41 2_13.8	13.8	3.6	—	—	6.5	6.4	7.7	7.7	23	14
A 41 2_16.1	16.1	2.9	—	—	5.8	5.7	7.0	7.0	22	13
A 41 2_17.8	17.8	2.2	—	—	5.1	5.0	6.3	6.3	21	11
A 41 2_22.7	22.7	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	11
A 41 2_28.3	28.3	1.1	2.6	2.6	4.0	3.9	5.2	5.2	20	10
A 41 2_35.9	35.9	1.7	3.2	3.2	4.6	4.5	5.8	5.8	20	9.8
A 41 2_45.1	45.1	1.5	3.0	3.0	4.4	4.3	5.6	5.6	20	9.6
A 41 2_48.3	48.3	1.4	2.9	2.9	4.3	4.2	5.5	5.5	—	9.5
A 41 2_53.1	53.1	1.4	2.9	2.9	4.3	4.2	5.5	5.5	—	9.5
A 41 2_58.8	58.8	1.3	2.8	2.8	4.2	4.1	5.4	5.4	—	9.4
A 41 2_64.2	64.2	1.3	2.8	2.8	4.2	4.1	5.4	5.4	—	9.4
A 41 2_71.3	71.3	1.2	2.7	2.7	4.1	4.0	5.3	5.3	—	9.3
A 41 2_79.2	79.2	1.2	2.7	2.7	4.1	4.0	5.3	5.3	—	9.3
A 41 3_92.8	92.8	1.1	2.6	2.6	4.0	3.9	5.2	5.2	—	9.2
A 41 3_115.9	115.9	0.20	1.7	1.7	2.9	3.0	4.3	4.3	—	2.1
A 41 3_146.9	146.9	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.1
A 41 3_184.4	184.4	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.1
A 41 3_197.5	197.5	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_217.4	217.4	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_240.6	240.6	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_262.5	262.5	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_291.7	291.7	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_324.2	324.2	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0
A 41 3_376.8	376.8	0.10	1.6	1.6	2.8	2.9	4.2	4.2	—	2.0



A 41

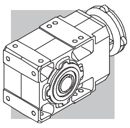
	i	J (•10⁻⁴) [kgm²]  SERVO																	
		60A		60B 80A		80B		95A		80C 95B 110A		95C 110B		130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 41 2_5.2	5.2	—	—	—	—	—	—	—	—	16	16.5	16	17	16	17	30	32	32	37
A 41 2_7.1	7.1	—	—	—	—	—	—	—	—	10	10.5	10	11	10	11	24	27	26	31
A 41 2_8.3	8.3	—	—	—	—	—	—	—	—	8.8	9.3	8.7	9.7	8.7	9.7	23	25	25	30
A 41 2_9.2	9.2	—	—	—	—	—	—	—	—	7.4	7.9	7.3	8.3	7.3	8.3	21	24	23	28
A 41 2_10.1	10.1	—	—	—	—	—	—	—	—	8.8	9.3	8.7	9.7	8.7	9.7	23	25	25	30
A 41 2_11.7	11.7	—	—	—	—	5.7	6.2	5.7	6.2	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
A 41 2_13.8	13.8	—	—	—	—	—	—	—	—	6.5	7.0	6.4	7.4	6.4	7.4	21	23	23	28
A 41 2_16.1	16.1	—	—	—	—	—	—	—	—	5.8	6.3	5.7	6.7	5.7	6.7	20	22	22	27
A 41 2_17.8	17.8	—	—	—	—	—	—	—	—	5.1	5.6	5.0	6.0	5.0	6.0	19	22	21	26
A 41 2_22.7	22.7	—	—	—	—	4.3	4.8	4.3	4.8	4.4	4.9	4.3	5.3	4.3	5.3	18	21	20	25
A 41 2_28.3	28.3	—	—	—	—	3.9	4.4	3.9	4.4	4.0	4.5	3.9	4.9	3.9	4.9	18	21	20	25
A 41 2_35.9	35.9	—	—	—	—	4.5	5.0	4.5	5.0	4.6	5.1	4.5	5.5	4.5	5.5	19	21	20	25
A 41 2_45.1	45.1	—	—	—	—	4.3	4.8	4.3	4.8	4.4	4.9	4.3	5.3	4.3	5.3	18	21	20	25
A 41 2_48.3	48.3	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	—	—	—	—
A 41 2_53.1	53.1	—	—	—	—	4.2	4.7	4.2	4.7	4.3	4.8	4.2	5.2	4.2	5.2	—	—	—	—
A 41 2_58.8	58.8	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	—	—	—	—
A 41 2_64.2	64.2	—	—	—	—	4.1	4.6	4.1	4.6	4.2	4.7	4.1	5.1	4.1	5.1	—	—	—	—
A 41 2_71.3	71.3	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	—	—	—	—
A 41 2_79.2	79.2	—	—	—	—	4.0	4.5	4.0	4.5	4.1	4.6	4.0	5.0	4.0	5.0	—	—	—	—
A 41 3_92.8	92.8	1.4	1.6	1.4	1.8	—	—	3.9	4.4	4.0	4.5	3.9	4.9	—	—	—	—	—	—
A 41 3_115.9	115.9	0.47	0.73	0.49	0.93	—	—	3.0	3.5	2.9	3.4	3.0	4.0	—	—	—	—	—	—
A 41 3_146.9	146.9	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_184.4	184.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_197.5	197.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_217.4	217.4	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_240.6	240.6	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_262.5	262.5	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_291.7	291.7	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_324.2	324.2	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—
A 41 3_376.8	376.8	0.37	0.63	0.39	0.83	—	—	2.9	3.4	2.8	3.3	2.9	3.9	—	—	—	—	—	—



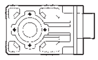
A 50

	i											
		J (•10^{-4}) [kgm^2]										
			IEC									
			63	**71**	**80**	**90**	**100**	**112**	**132**	**160**	**180**	
A 50 2_7.7	7.7	15	—	—	18	18	19	19	34	93	91	24
A 50 2_9.7	9.7	10	—	—	13	13	14	14	29	89	86	19
A 50 2_13.1	13.1	6.3	—	—	9.2	9.1	10	10	25	85	82	15
A 50 2_16.6	16.6	4.2	—	—	7.0	7.0	8.2	8.2	23	82	80	13
A 50 2_20.9	20.9	2.8	4.2	4.2	5.7	5.6	6.9	6.9	22	81	79	12
A 50 3_24.0	24.0	6.0	—	—	8.9	8.8	10	10	25	84	82	15
A 50 3_26.4	26.4	5.8	—	—	8.7	8.6	9.9	9.9	25	84	82	15
A 50 3_32.4	32.4	4.0	—	—	6.8	6.8	8.1	8.1	23	82	80	13
A 50 3_35.6	35.6	3.9	—	—	6.7	6.7	8.0	8.0	23	82	80	13
A 50 3_40.9	40.9	2.7	—	—	5.6	5.5	6.8	6.8	22	81	79	12
A 50 3_45.0	45.0	2.6	—	—	5.5	5.4	6.7	6.7	22	81	79	12
A 50 3_51.7	51.7	1.9	3.4	3.4	4.7	4.7	6.0	6.0	21	80	78	11
A 50 3_56.8	56.8	1.9	3.3	3.3	4.7	4.6	5.9	5.9	21	80	78	11
A 50 3_63.9	63.9	1.4	2.9	2.8	4.2	4.2	5.5	5.5	20	80	77	11
A 50 3_70.2	70.2	1.4	2.8	2.8	4.2	4.1	5.4	5.4	20	80	77	10
A 50 3_81.5	81.5	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	79	77	10
A 50 3_89.5	89.5	0.90	2.4	2.4	3.7	3.7	5.0	5.0	20	79	77	10
A 50 3_99.5	99.5	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	9.7
A 50 3_109.4	109.4	0.60	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	9.7
A 50 3_118.0	118.0	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_129.7	129.7	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	9.6
A 50 3_140.6	140.6	0.40	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_154.6	154.6	0.40	1.8	1.8	3.2	3.2	4.4	4.4	—	—	—	9.4
A 50 3_173.4	173.4	0.30	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3
A 50 3_190.6	190.6	0.20	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	9.3

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

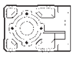
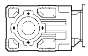
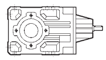


A 50

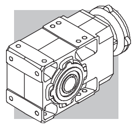
	i	**J** ($\cdot10^{-4}$) [kgm^2]									
		 SERVO									
		80B 95A		**80C 95B 110A**		**95C 110B 130A**		**130B 180A**		**180B**	
		SK	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**
A 50 2_7.7	7.7	—	—	18	19	18	19	32	34	34	39
A 50 2_9.7	9.7	—	—	13	14	13	14	27	29	29	34
A 50 2_13.1	13.1	—	—	9.2	9.7	9.1	10	23	26	25	30
A 50 2_16.6	16.6	—	—	7.0	7.5	7.0	8.0	21	24	23	28
A 50 2_20.9	20.9	5.6	6.1	5.7	6.2	5.6	6.6	20	22	22	27
A 50 3_24.0	24.0	—	—	8.9	9.4	8.8	9.8	23	25	25	30
A 50 3_26.4	26.4	—	—	8.7	9.2	8.6	9.6	23	25	25	30
A 50 3_32.4	32.4	—	—	6.8	7.3	6.8	7.8	21	23	23	28
A 50 3_35.6	35.6	—	—	6.7	7.2	6.7	7.7	21	23	23	28
A 50 3_40.9	40.9	—	—	5.6	6.1	5.5	6.5	20	22	22	27
A 50 3_45.0	45.0	—	—	5.5	6.0	5.4	6.4	20	22	22	27
A 50 3_51.7	51.7	4.7	5.1	4.7	5.2	4.7	5.7	19	21	21	26
A 50 3_56.8	56.8	4.7	5.1	4.7	5.2	4.6	5.6	19	21	21	26
A 50 3_63.9	63.9	4.2	4.7	4.2	5.2	4.2	5.2	18	21	20	25
A 50 3_70.2	70.2	4.2	4.7	4.2	5.2	4.1	5.1	18	21	20	25
A 50 3_81.5	81.5	3.7	4.1	3.8	4.3	3.7	4.7	18	20	20	25
A 50 3_89.5	89.5	3.7	4.1	3.7	4.2	3.7	4.7	18	20	20	25
A 50 3_99.5	99.5	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
A 50 3_109.4	109.4	3.4	3.9	3.5	4.0	3.4	4.4	18	20	20	25
A 50 3_118.0	118.0	3.3	3.8	3.4	4.0	3.3	4.3	—	—	—	—
A 50 3_129.7	129.7	3.3	3.8	3.4	4.0	3.3	4.3	—	—	—	—
A 50 3_140.6	140.6	3.2	3.7	3.2	3.7	3.2	4.2	—	—	—	—
A 50 3_154.6	154.6	3.2	3.7	3.2	3.7	3.2	4.2	—	—	—	—
A 50 3_173.4	173.4	3.1	3.6	3.1	3.6	3.0	4.0	—	—	—	—
A 50 3_190.6	190.6	3.0	3.5	3.1	3.6	3.0	4.0	—	—	—	—

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

A 55

	i	J (•10⁻⁴) [kgm²]										
			 IEC									
			63	71	80	90	100	112	132	160	180	
A 55 2_4.9	4.9	61	—	—	—	—	—	—	77	123	120	70
A 55 2_6.4	6.4	41	—	—	—	—	—	—	57	103	100	50
A 55 2_8.5	8.5	26	—	—	—	—	—	—	42	88	85	35
A 55 2_10.4	10.4	19	—	—	—	—	—	—	35	81	78	28
A 55 2_13.1	13.1	12	—	—	14	14	17	17	28	74	72	21
A 55 2_15.7	15.7	8.9	—	—	11	11	14	14	25	71	68	18
A 55 2_19.2	19.2	6.2	—	—	8.6	8.5	11	11	23	68	66	15
A 55 3_23.8	23.8	11	—	—	13	13	16	16	27	73	70	20
A 55 3_29.9	29.9	7.9	—	—	10	10	13	13	24	70	67	17
A 55 3_40.3	40.3	5.3	—	—	7.8	7.6	10	10	22	68	65	14
A 55 3_51.0	51.0	3.6	—	—	6.0	5.9	8.6	8.6	20	66	63	13
A 55 3_64.3	64.3	2.6	3.1	3.0	5.1	5.0	7.7	7.7	19	65	62	12
A 55 3_79.5	79.5	2.0	2.4	2.4	4.5	4.4	7.1	7.1	18	64	62	11
A 55 3_101.4	101.4	1.3	1.8	1.8	3.8	3.7	6.5	6.5	18	64	61	10
A 55 3_123.9	123.9	1.0	1.5	1.5	3.6	3.4	6.2	6.2	17	63	61	10
A 55 3_132.7	132.7	0.71	1.4	1.4	3.5	3.3	6.1	6.1	—	—	—	9.5
A 55 3_146.8	146.8	0.66	1.4	1.4	3.4	3.3	6.0	6.0	—	—	—	9.4
A 55 3_160.4	160.4	0.58	1.3	1.3	3.3	3.2	6.0	6.0	—	—	—	9.4
A 55 3_175.0	175.0	0.50	1.2	1.2	3.3	3.1	5.9	5.9	—	—	—	9.3
A 55 3_194.2	194.2	0.43	1.2	1.2	3.2	3.1	5.8	5.8	—	—	—	9.2

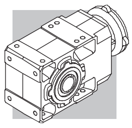
Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.



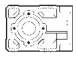
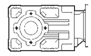
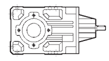
A 55

	i	J (•10^-4) [kgm²] SERVO 80B 95A SK	80B 95A SC	80C 95B 110A SK	80C 95B 110A SC	95C 110B 130A SK	95C 110B 130A SC	130B 180A SK	130B 180A SC	180B SK	180B SC
A 55 2_4.9	4.9	—	—	—	—	—	—	78	80	77	82
A 55 2_6.4	6.4	—	—	—	—	—	—	58	60	57	62
A 55 2_8.5	8.5	—	—	—	—	—	—	43	45	42	47
A 55 2_10.4	10.4	—	—	—	—	—	—	36	38	35	40
A 55 2_13.1	13.1	—	—	14	15	14	15	29	31	28	33
A 55 2_15.7	15.7	—	—	11	12	11	12	26	28	25	30
A 55 2_19.2	19.2	—	—	8.6	9.1	8.5	9.5	23	26	23	28
A 55 3_23.8	23.8	—	—	13	14	13	14	28	30	27	32
A 55 3_29.9	29.9	—	—	10	11	10	11	25	27	24	29
A 55 3_40.3	40.3	—	—	7.8	8.3	7.6	8.6	22	25	22	27
A 55 3_51.0	51.0	—	—	6.0	6.5	5.9	6.9	21	23	20	25
A 55 3_64.3	64.3	5.4	5.9	5.1	5.6	5.0	6.0	20	22	19	24
A 55 3_79.5	79.5	4.8	5.3	4.5	5.0	4.4	5.4	19	21	18	23
A 55 3_101.4	101.4	4.1	4.6	3.8	4.3	3.7	4.7	18	21	18	23
A 55 3_123.9	123.9	3.8	4.3	3.6	4.1	3.4	4.4	18	20	17	22
A 55 3_132.7	132.7	3.5	4.0	3.5	4.0	3.3	4.3	—	—	—	—
A 55 3_146.8	146.8	3.5	3.9	3.4	3.9	3.3	4.3	—	—	—	—
A 55 3_160.4	160.4	3.4	3.8	3.3	3.8	3.2	4.2	—	—	—	—
A 55 3_175.0	175.0	3.3	3.8	3.3	3.8	3.1	4.1	—	—	—	—
A 55 3_194.2	194.2	3.3	3.7	3.2	3.7	3.1	4.1	—	—	—	—

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

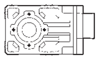


A 60

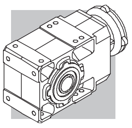
	i	J (•10⁻⁴) [kgm²]										
			 IEC									
			63	71	80	90	100	112	132	160	180	
A 60 2_7.9	7.9	36	—	—	—	—	—	—	54	114	112	57
A 60 2_10.3	10.3	23	—	—	25	25	27	27	41	101	99	44
A 60 2_12.7	12.7	16	—	—	19	19	20	20	35	94	92	37
A 60 2_16.7	16.7	9.4	—	—	12	12	14	14	28	88	85	30
A 60 2_20.6	20.6	6.7	—	—	9.6	9.5	11	11	26	85	83	28
A 60 3_25.7	25.7	14	—	—	17	17	18	18	33	92	90	35
A 60 3_27.9	27.9	14	—	—	17	17	18	18	33	92	90	35
A 60 3_31.7	31.7	10	—	—	13	13	15	15	29	89	86	31
A 60 3_34.3	34.3	10	—	—	13	13	14	14	29	89	86	31
A 60 3_41.7	41.7	6.1	—	—	9.0	8.9	10	10	25	84	82	27
A 60 3_45.2	45.2	6.1	—	—	8.9	8.9	10	10	25	84	82	27
A 60 3_51.3	51.3	5.0	—	—	7.4	7.4	8.7	8.7	24	83	81	26
A 60 3_55.6	55.6	4.5	—	—	7.4	7.3	8.6	8.6	23	83	81	26
A 60 3_65.0	65.0	3.2	4.7	4.6	6.1	6.0	7.3	7.3	22	82	79	24
A 60 3_70.4	70.4	3.2	4.7	4.6	6.1	6.0	7.3	7.3	22	81	79	24
A 60 3_79.7	79.7	2.1	3.6	3.5	5.0	4.9	6.2	6.2	21	80	78	23
A 60 3_86.4	86.4	2.1	3.6	3.5	5.0	4.9	6.2	6.2	21	80	78	23
A 60 3_99.5	99.5	2.0	3.5	3.4	4.3	4.3	5.6	5.6	20	80	78	23
A 60 3_107.8	107.8	1.5	3.0	2.9	4.3	4.3	5.6	5.6	20	80	78	22
A 60 3_123.0	123.0	1.1	2.6	2.5	4.0	3.9	5.2	5.2	20	79	77	22
A 60 3_133.3	133.3	1.1	2.6	2.5	3.9	3.9	5.2	5.2	20	79	77	22
A 60 3_144.0	144.0	0.80	2.3	2.2	3.7	3.6	5.0	5.0	—	—	—	22
A 60 3_156.0	156.0	0.80	2.3	2.2	3.7	3.6	5.0	5.0	—	—	—	22
A 60 3_171.5	171.5	0.60	2.1	2.0	3.5	3.4	4.7	4.7	—	—	—	22
A 60 3_185.8	185.8	0.60	2.1	2.0	3.5	3.4	4.7	4.7	—	—	—	22

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

A 60

	i	J (•10^{-4}) [kgm^2]									
		 SERVO									
		95A		80C 95B 110A		95C 110B 130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
A 60 2_7.9	7.9	—	—	—	—	—	—	53	55	54	59
A 60 2_10.3	10.3	—	—	25	26	25	26	40	42	41	46
A 60 2_12.7	12.7	—	—	19	20	19	20	33	35	35	40
A 60 2_16.7	16.7	—	—	12	13	12	13	26	29	28	33
A 60 2_20.6	20.6	—	—	9.6	10	9.5	10	24	26	26	31
A 60 3_25.7	25.7	—	—	17	18	17	18	31	33	33	38
A 60 3_27.9	27.9	—	—	17	18	17	18	31	33	33	38
A 60 3_31.7	31.7	—	—	13	14	13	14	27	29	29	34
A 60 3_34.3	34.3	—	—	13	14	13	14	27	29	29	34
A 60 3_41.7	41.7	—	—	9.0	9.5	8.9	9.9	23	26	25	30
A 60 3_45.2	45.2	—	—	8.9	9.4	8.9	9.9	23	26	25	30
A 60 3_51.3	51.3	—	—	7.4	7.9	7.4	8.4	22	24	24	29
A 60 3_55.6	55.6	—	—	7.4	7.9	7.3	8.3	21	24	23	28
A 60 3_65.0	65.0	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
A 60 3_70.4	70.4	6.0	6.5	6.1	6.6	6.0	7.0	20	23	22	27
A 60 3_79.7	79.7	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
A 60 3_86.4	86.4	4.9	5.4	5.0	5.5	4.9	5.9	19	22	21	26
A 60 3_99.5	99.5	4.8	5.3	4.3	4.8	4.3	5.3	19	21	20	25
A 60 3_107.8	107.8	4.3	4.8	4.3	4.8	4.3	5.3	18	21	20	25
A 60 3_123.0	123.0	3.9	4.4	4.0	4.5	3.9	4.9	18	21	20	25
A 60 3_133.3	133.3	3.9	4.4	3.9	4.4	3.9	4.9	18	21	20	25
A 60 3_144.0	144.0	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
A 60 3_156.0	156.0	3.6	4.1	3.7	4.2	3.6	4.6	—	—	—	—
A 60 3_171.5	171.5	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—
A 60 3_185.8	185.8	3.4	3.9	3.5	4.0	3.4	4.4	—	—	—	—

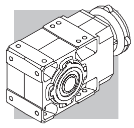
Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.



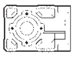
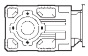
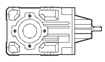
A 70

	i	**J** (•10^{-4}) [kgm^2]											
			IEC										
			80	**90**	**100**	**112**	**132**	**160**	**180**	**200**	**225**	**250**	
A 70 3_9.4	9.4	—	—	—	—	—	—	187	185	194	—	—	150
A 70 3_10.2	10.2	—	—	—	—	—	—	183	180	190	—	—	146
A 70 3_12.1	12.1	—	—	—	—	—	—	150	148	157	—	—	113
A 70 3_13.1	13.1	—	—	—	—	—	—	147	145	154	—	—	111
A 70 3_15.4	15.4	45	—	—	—	—	64	124	121	161	—	—	87
A 70 3_16.7	16.7	44	—	—	—	—	63	122	120	129	—	—	85
A 70 3_19.7	19.7	30	—	—	—	—	49	109	107	—	—	—	72
A 70 3_21.3	21.3	29	—	—	—	—	48	108	106	—	—	—	71
A 70 3_23.5	23.5	—	—	—	—	—	—	116	114	123	—	—	79
A 70 3_27.8	27.8	—	—	—	—	—	—	118	116	125	—	—	81
A 70 3_30.1	30.1	—	—	—	—	—	—	117	115	124	—	—	81
A 70 3_35.4	35.4	26	—	—	—	—	45	104	102	111	—	—	67
A 70 3_38.4	38.4	25	—	—	—	—	44	104	101	111	—	—	67
A 70 3_45.2	45.2	18	—	—	—	—	37	97	94	—	—	—	59
A 70 3_49.0	49.0	18	—	—	—	—	37	96	94	—	—	—	59
A 70 3_53.2	53.2	15	—	—	—	—	34	93	91	—	—	—	56
A 70 3_57.7	57.7	15	—	—	—	—	34	93	91	—	—	—	56
A 70 3_66.9	66.9	9.7	12	12	13	13	29	88	86	—	—	—	51
A 70 3_72.5	72.5	9.6	12	12	13	13	28	88	86	—	—	—	51
A 70 3_79.3	79.3	6.8	9.4	9.3	11	11	26	85	83	—	—	—	48
A 70 3_85.9	85.9	6.7	9.3	9.3	11	11	26	85	83	—	—	—	48
A 70 3_96.2	96.2	5.4	8.2	8.2	9.4	9.4	24	84	82	—	—	—	47
A 70 3_104.2	104.2	5.4	8.2	8.1	9.4	9.4	24	84	81	—	—	—	47
A 70 3_120.6	120.6	3.4	6.2	6.2	7.5	7.5	22	82	79	—	—	—	45
A 70 3_130.7	130.7	3.4	6.2	6.2	7.4	7.4	22	82	79	—	—	—	45
A 70 3_141.9	141.9	2.4	5.3	5.2	6.5	6.5	21	81	78	—	—	—	44
A 70 3_153.7	153.7	2.4	5.2	5.2	6.5	6.5	21	81	78	—	—	—	44

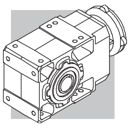
Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.



A 80

	i	J (•10^{-4}) [kgm^2]											
			 IEC										
			80	**90**	**100**	**112**	**132**	**160**	**180**	**200**	**225**	**250**	
A 80 3_9.8	9.8	—	—	—	—	—	—	—	320	333	611	—	286
A 80 3_10.7	10.7	—	—	—	—	—	—	—	309	323	601	—	276
A 80 3_12.3	12.3	—	—	—	—	—	—	239	239	253	531	—	205
A 80 3_13.3	13.3	—	—	—	—	—	—	232	233	246	524	—	199
A 80 3_15.5	15.5	—	—	—	—	—	—	187	185	194	478	—	150
A 80 3_16.7	16.7	—	—	—	—	—	—	183	180	190	474	—	150
A 80 3_19.3	19.3	69	—	—	—	—	88	147	145	154	440	—	111
A 80 3_20.9	20.9	66	—	—	—	—	85	145	142	152	437	—	108
A 80 3_22.6	22.6	—	—	—	—	—	—	—	205	219	496	—	171
A 80 3_24.5	24.5	—	—	—	—	—	—	—	203	217	494	—	169
A 80 3_28.2	28.2	—	—	—	—	—	—	165	166	179	457	—	132
A 80 3_30.6	30.6	—	—	—	—	—	—	164	164	178	456	—	130
A 80 3_35.5	35.5	—	—	—	—	—	—	140	138	147	432	—	104
A 80 3_38.5	38.5	—	—	—	—	—	—	140	137	147	431	—	103
A 80 3_44.5	44.5	39	—	—	—	—	58	118	115	125	410	—	81
A 80 3_48.2	48.2	39	—	—	—	—	58	117	115	124	410	—	90
A 80 3_55.2	55.2	29	—	—	—	—	48	108	105	136	399	—	70
A 80 3_59.8	59.8	29	—	—	—	—	48	107	105	136	399	—	70
A 80 3_66.8	66.8	22	—	—	—	—	41	101	98	128	391	—	63
A 80 3_72.4	72.4	22	—	—	—	—	41	100	98	128	391	—	63
A 80 3_82.3	82.3	15	17	17	18	18	34	94	91	120	384	—	56
A 80 3_89.2	89.2	15	17	17	18	18	34	93	91	120	386	—	56
A 80 3_96.0	96.0	14	16	16	17	17	32	92	90	119	382	—	55
A 80 3_104.0	104.0	13	16	16	17	17	32	92	89	119	382	—	55
A 80 3_116.0	116.0	9.1	12	12	13	13	28	87	85	—	—	—	50
A 80 3_125.6	125.6	9.1	12	12	13	13	28	87	85	—	—	—	50
A 80 3_144.7	144.7	5.4	8.3	8.2	10	10	24	84	82	—	—	—	47
A 80 3_156.8	156.8	5.4	3.0	2.9	4.2	4.2	19	78	76	—	—	—	41

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.



A 90

	i	J (•10-4) [kgm2]											
			IEC										
			80	90	100	112	132	160	180	200	225	250	
A 90 3_9.7	9.7	—	—	—	—	—	—	—	597	611	889	918	898
A 90 3_10.5	10.5	—	—	—	—	—	—	—	575	589	867	896	876
A 90 3_12.6	12.6	—	—	—	—	—	—	—	402	416	693	723	703
A 90 3_13.7	13.7	—	—	—	—	—	—	—	389	403	681	710	690
A 90 3_15.6	15.6	—	—	—	—	—	—	—	306	319	597	627	607
A 90 3_16.9	16.9	—	—	—	—	—	—	—	297	311	589	618	598
A 90 3_19.4	19.4	—	—	—	—	—	—	236	234	243	527	559	530
A 90 3_21.0	21.0	—	—	—	—	—	—	231	228	238	522	553	524
A 90 3_22.3	22.3	—	—	—	—	—	—	—	326	340	618	647	627
A 90 3_24.1	24.1	—	—	—	—	—	—	—	322	336	614	643	623
A 90 3_29.1	29.1	—	—	—	—	—	—	—	243	257	535	564	544
A 90 3_31.5	31.5	—	—	—	—	—	—	—	241	254	532	562	542
A 90 3_35.8	35.8	—	—	—	—	—	—	—	201	215	493	522	502
A 90 3_38.8	38.8	—	—	—	—	—	—	—	200	213	491	521	500
A 90 3_44.6	44.6	—	—	—	—	—	—	169	166	176	460	491	462
A 90 3_48.3	48.3	—	—	—	—	—	—	168	165	175	459	490	461
A 90 3_55.0	55.0	66	—	—	—	—	85	144	142	151	437	468	438
A 90 3_59.6	59.6	66	—	—	—	—	84	144	141	151	436	468	437
A 90 3_68.8	68.8	48	—	—	—	—	67	126	124	154	418	449	416
A 90 3_74.5	74.5	47	—	—	—	—	66	126	123	154	417	449	416
A 90 3_80.4	80.4	43	—	—	—	—	62	121	119	149	412	443	412
A 90 3_87.1	87.1	43	—	—	—	—	62	121	119	148	412	443	412
A 90 3_98.6	98.6	28	30	30	32	32	47	106	104	134	397	428	399
A 90 3_106.8	106.8	28	30	30	31	31	47	106	104	133	397	428	399
A 90 3_116.9	116.9	23	25	25	26	26	41	101	99	128	391	423	394
A 90 3_126.6	126.6	22	25	25	26	26	41	101	98	128	391	422	394
A 90 3_139.4	139.4	15	17	17	19	19	33	93	91	—	—	—	386
A 90 3_151.0	151.0	14	3.0	3.0	4.3	4.3	19	79	76	—	—	—	372

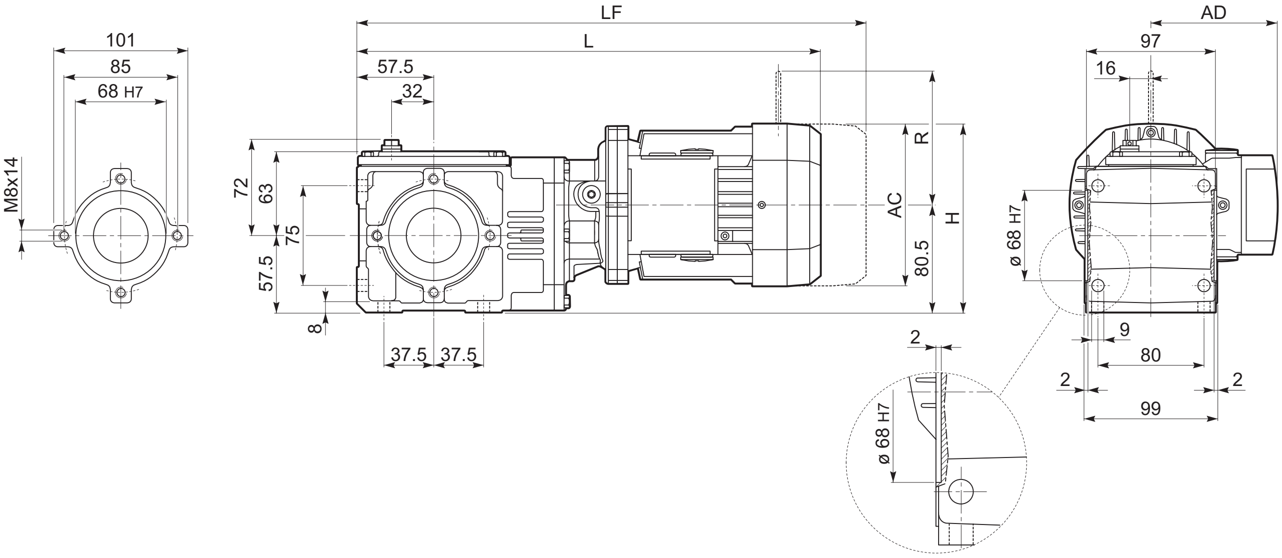
Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

43 RAPPORTI ESATTI

i_N	A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55	A 60	A 70	A 80	A 90
5.0								4.94505				
5.6	5.46559	5.46559	5.35117	5.41311	5.41311	5.24476						
6.3	6.33484	6.33484	6.53846	6.41026	6.41026			6.41026				
7.1	7.21154	7.21154	7.28745	7.02341	7.02341	7.12251						
8.0	8.51648	8.51648	8.37104	8.46154	8.46154	8.33333	7.73684	8.46154	7.86420			
9.0	9.61538	9.61538	9.37500	9.31174	9.31174	9.19732				9.43946		9.67545
10.0	10.55639	10.55639	10.33540	10.45503	10.63348	10.12987	9.73401	10.35503	10.31579	10.22609	9.83278	10.48174
11.2				11.77885	11.77885	11.74089				12.08027	10.65217	12.64214
12.5	12.30769	12.30769	11.96581		13.06878		13.10700	13.07692	12.70370	13.08696	12.27130	13.69565
14.0	13.92857	13.92857	14.07519	13.56522	15.47619	13.75661				15.40468	13.29391	15.57512
16.0	16.44898	16.44898	16.16807	16.34286	16.95652	16.09524	16.57005	15.68047	16.73663	16.68841	15.45151	16.87304
18.0	18.57143	18.57143	18.10714	17.98496		17.76398					19.33779	19.38462
20.0	21.35714	21.35714	21.22449	20.53782	20.42857		20.91813	19.23077	20.5942	19.66555	20.94928	21.00000
22.4	23.77143	23.77143	23.11111	22.75000	22.48120	22.67669				21.30435	22.61538	22.25354
25.0	25.46939	25.46939	26.46429	26.53061	25.67227		24.04795	23.79021	25.71012	23.52000	24.50000	24.10800
28.0	28.57143	28.57143	29.21905	29.30159	28.43750	28.32143	26.43733		27.85263	27.78462	28.22400	29.07692
31.5	32.19048	32.19048	31.30612	33.42857	33.16327		32.38095	29.93134	31.66154	30.10000	30.57600	31.50000
35.5	35.11688	35.11688	35.42857	36.64762	36.62698	35.90476	35.59829		34.30000	35.43077	35.53846	35.82277
40.0	40.85714	40.85714	39.61905	39.26531	41.78571	45.06667	40.93645	40.30303	41.71282	38.38333	38.50000	38.80800
45.0	45.39683	45.39683	43.22078	43.42857	45.80952	48.28571	45.00386		45.18889	45.23077	44.47692	44.58462
50.0	51.25714	51.25714	48.28571	48.28571	49.08163	53.14286	51.67843	50.95166	51.32709	49.00000	48.18333	48.30000
56.0	58.60317	58.60317	53.65079	52.67532	54.28571	58.80952	56.81314		55.60435	53.23314	55.18154	55.03077
63.0	65.92857	65.92857	63.14286	59.42857	60.35714	64.15584	63.89011	64.32168	64.98947	66.94154	66.80237	59.61667
71.0			70.98413	66.03175	65.84416	71.31429	70.23817		70.40526	72.52000	72.36923	68.75077
80.0	76.40816	76.40816	79.85714	76.51429	74.28571	79.23810	81.45055	79.52098	79.71923	79.32781	82.32000	80.37160
90.0	91.61905	91.61905	92.32653	86.66667	82.53968	92.76828	89.54339		86.36250	85.93846	89.18000	87.06923
100.0				97.50000	95.64286		99.53407	101.37762	99.50769	96.21818	104.03077	98.60308
112.2			109.16518	109.07029	105.54155	115.86039	109.42367	123.88531	107.80000	104.23636	115.95524	116.90414
125.0			120.52857	120.46208	116.90972		129.67046	132.73427	123.02769	120.61538	125.61818	126.64615
140.0			146.14286	137.42857	136.33787	146.88312	140.61938	146.80796	144.04260	141.86014	144.73846	139.39301
160.0			163.42857	161.42404	150.57760		154.59118	160.43706	171.46573	169.75499	156.80000	166.12694
180.0			178.28571	178.53968	171.78571	184.36364	173.36264	175.02225	185.75455	183.90123	171.29752	179.97085
200.0			199.17857	198.50794	201.78005	197.53247	190.58777	194.19860	208.73017		214.73193	209.01044
225.0			221.30952	216.55411	223.17460	217.40260	231.98700	208.05260	226.12435	220.25418	232.62626	226.42797
250.0			260.46429	244.31746	248.13492	240.58442	260.88462		264.29053	238.60870		
280.0			292.80952	271.46384	270.69264	291.74026	286.80584	262.64685	286.31474	292.01619	277.28428	281.43590
315.0			329.41071	314.55873	305.39683	324.15584	332.58974		324.19154	316.35088	300.39130	304.88889
355.0				356.29630	339.32981	376.83117	365.63552	324.71066	351.20750	369.38462	353.96864	355.79521
400.0			380.84694	400.83333	393.19841		406.43077		404.66462	400.16667	383.46603	385.44482
450.0							446.81331	413.95862	438.38667	475.76068	442.07937	449.15802
500.0							481.63314	505.86503	500.31262	515.40741	478.91932	486.58785
560.0							574.19580	541.99825	585.77325	595.03590	560.45035	555.29467
630.0							631.24731	655.11801	634.58769	644.62222	607.15455	601.56923
710.0							707.89744	714.67419	697.29399	705.13609	703.46182	707.91953
800.0							778.23340	792.97762	755.40182	855.27273	829.52598	766.91282
900.0										926.54545	898.65315	865.09065
1000.0										1072.13675	1001.43166	1025.1594
1125.0										1161.48148	1084.88430	1110.58935
1250.0										1242.33846	1236.85594	1222.17967
1400.0										1345.86667	1339.92727	1324.02797
1600.0										1583.07692	1557.66545	1506.76450
1800.0										1715.00000		1632.32821

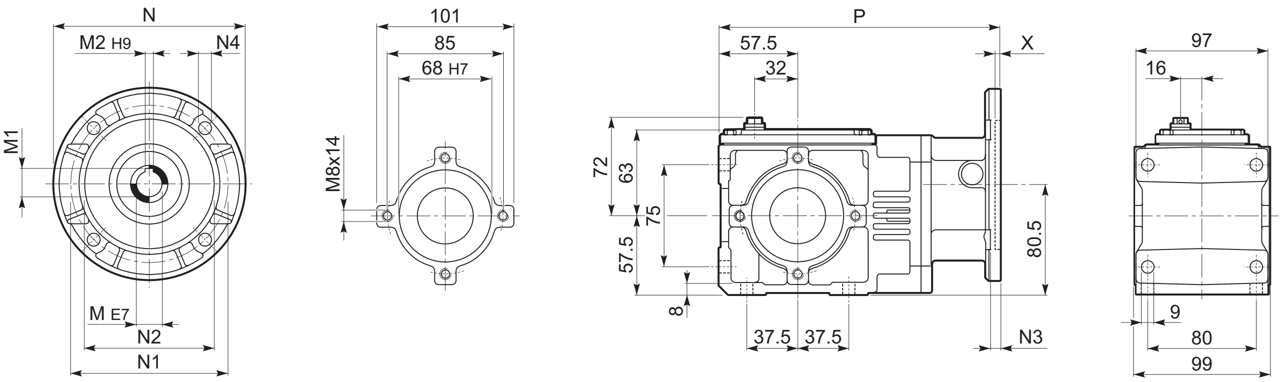
2x 3x 4x

A 05...M/ME



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
A 05 2	S05	M05	121	141	360.5	95	7.5	426.5	9	96	122	116	95
A 05 2	S1	M1	138	149.5	389.5	108	11.5	450.5	14	103	135	124	108
A 05 2	S2	ME2S	156	158.5	418.5	119	15.5	—	—	—	—	—	—

A 05...P(IEC)

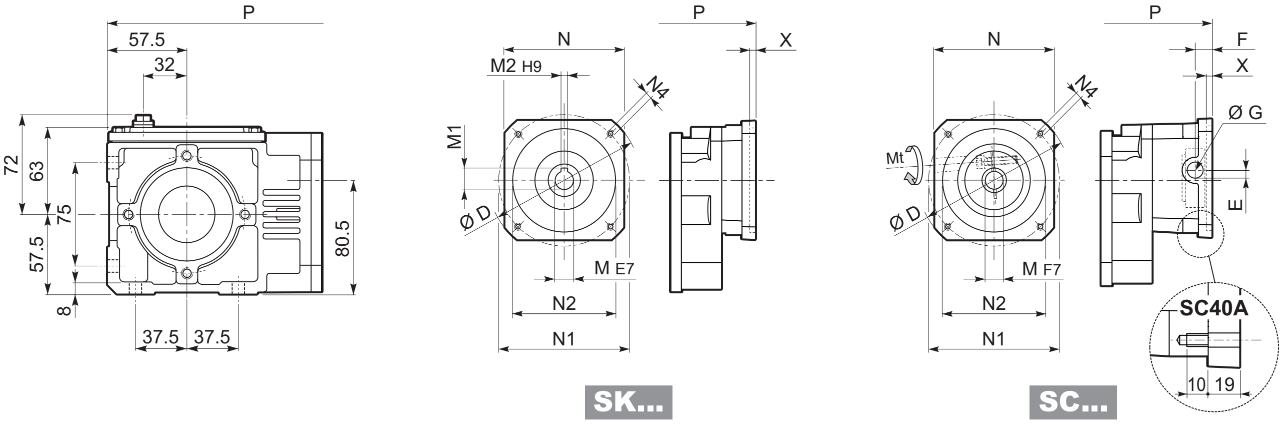


INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 05 2	P63	11	12.8	4	140	115	95	7	9.5	3.5	206	5
A 05 2	P71	14	16.3	5	160	130	110	7	9.5	4	213	5
A 05 2	P80	19	20.8	6	200	165	130	7	11.5	4	223	5.5

Linguetta di tipo ribassato di fornitura Bonfiglioli

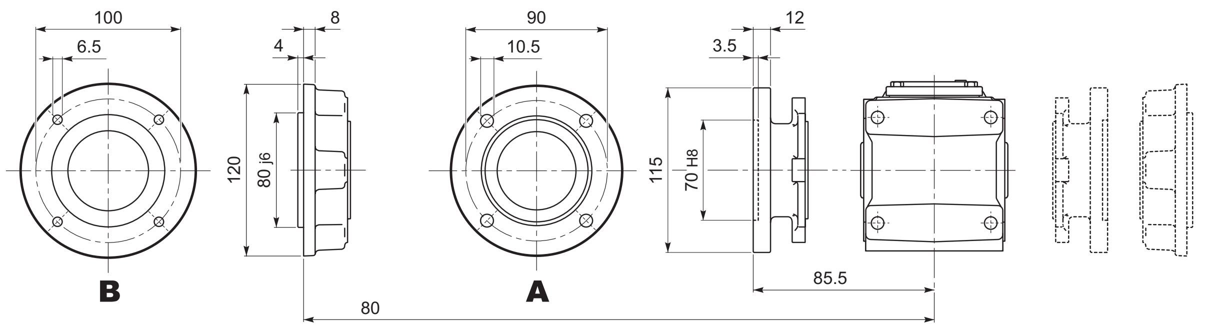
A 05...SK / SC

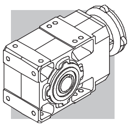


		D	M	M1	M2	N	N1	N2	N4	X	P	Kg
A 05 2	**SK40A**	74	9	10.4	3	55	63	40	M5x10	3	207.5	5
A 05 2	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	206	5
A 05 2	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	213	5
A 05 2	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	213	5

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
A 05 2	**SC40A**	M5	15	74	10.5	9.5	12.5	9	55	63	40	M5x10	3	226.5	6
A 05 2	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	233	6
A 05 2	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	233	6
A 05 2	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	233	6

A 05...F...

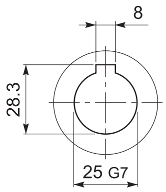


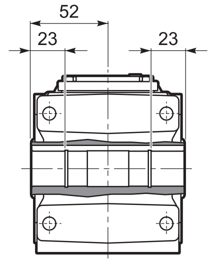


A 05

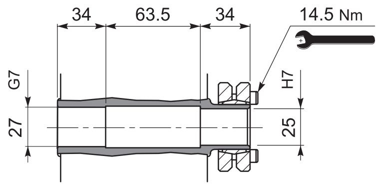
A 05...UH

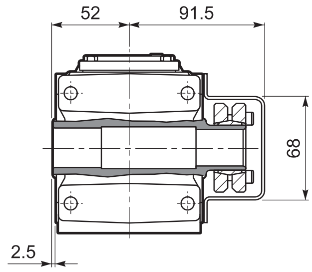
H25

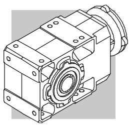




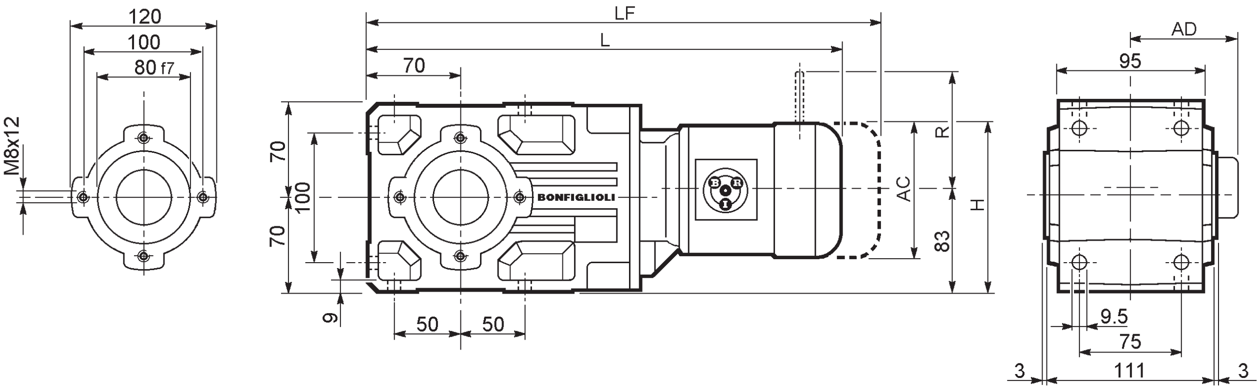
A 05...US



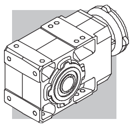




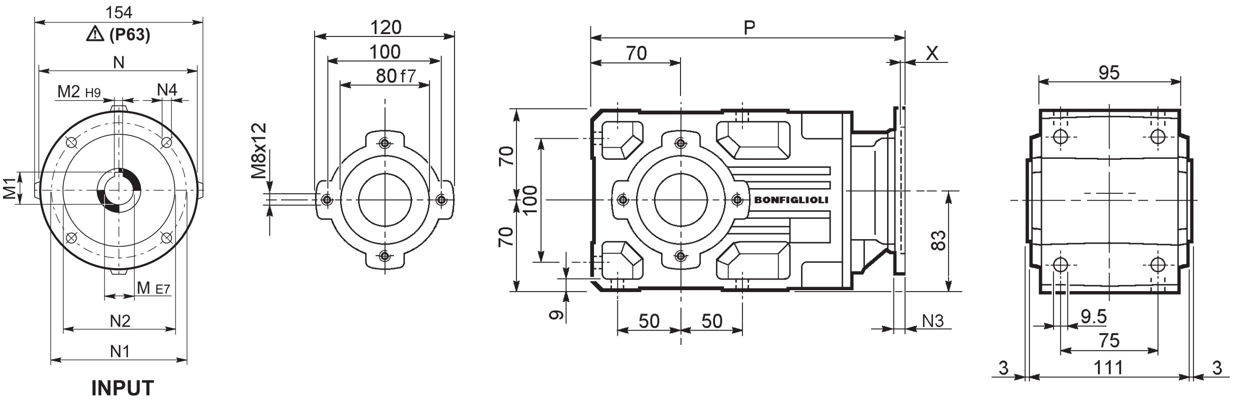
A 10...M/ME



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
A 10 2	**S05**	**M05**	121	143.5	408.5	95	12	474.5	14	96	122	116	95
A 10 2	**S1**	**M1**	138	152	437.5	108	14	498.5	17	103	135	124	108
A 10 2	**S2**	**ME2S**	156	161	466.5	119	18	—	—	—	—	—	—
A 10 2	**S3**	**ME3S**	195	180.5	509.5	142	24.5	—	—	—	—	—	—
A 10 2	**S3**	**ME3L**	195	180.5	541.5	142	30	—	—	—	—	—	—



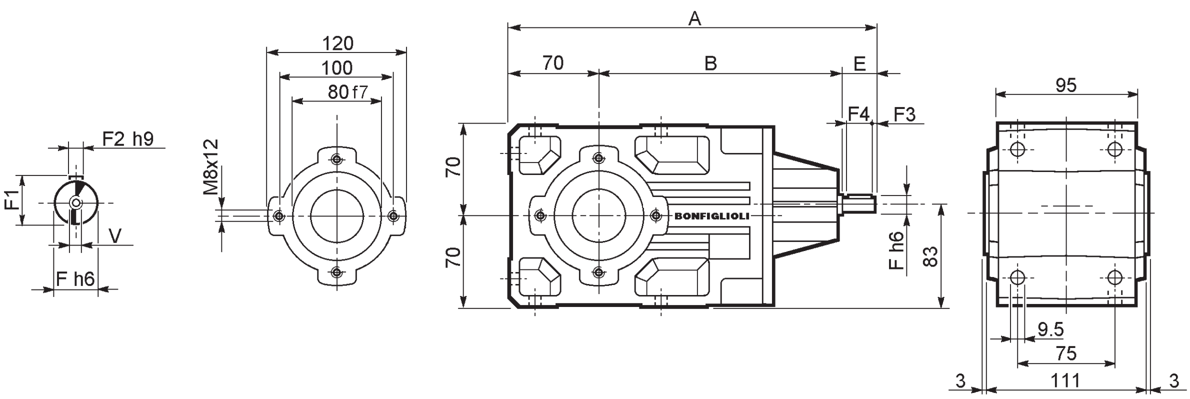
A 10...P(IEC)



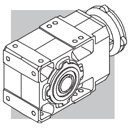
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 10 2	**P63**	11	12.8	4	140	115	95	—	M8x10	4	282.5	8
A 10 2	**P71**	14	16.3	5	160	130	110	—	M8x10	4.5	282.5	9
A 10 2	**P80**	19	21.8	6	200	165	130	—	M10x12	4	302	9
A 10 2	**P90**	24	27.3	8	200	165	130	—	M10x12	4	302	9
A 10 2	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	312	13
A 10 2	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	312	13

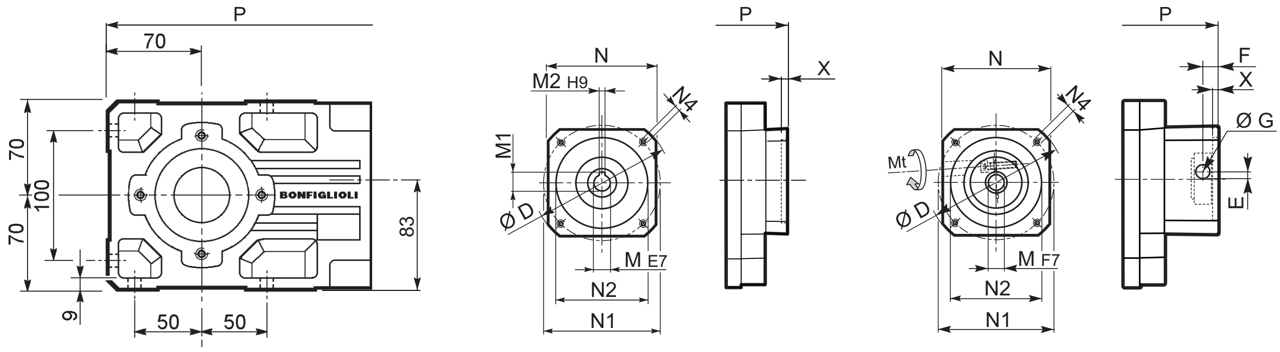
A 10...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 10 2	**HS**	289.5	179.5	40	16	18	5	2.5	35	M6x16	7.8



A 10...SK / SC



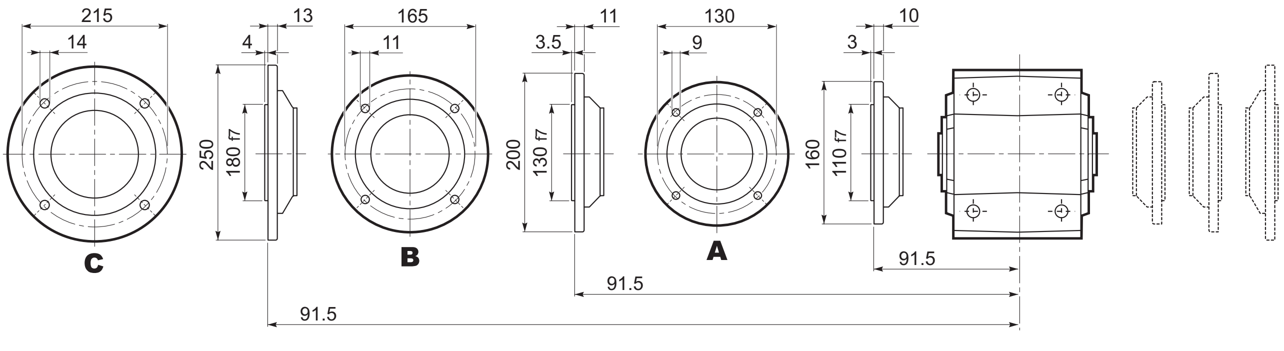
SK...

SC...

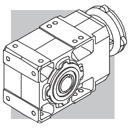
		D	M	M1	M2	N	N1	N2	N4	X	P	Kg
A 10 2	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	254	8
A 10 2	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	261	8
A 10 2	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	261	8
A 10 2	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	302	9
A 10 2	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	302	9
A 10 2	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	302	9
A 10 2	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	302	9
A 10 2	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	302	9
A 10 2	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	302	9

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
A 10 2	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	281	9
A 10 2	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	281	9
A 10 2	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	281	9
A 10 2	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	325.5	10
A 10 2	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	325.5	10
A 10 2	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	325.5	10
A 10 2	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	325.5	10
A 10 2	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	325.5	12
A 10 2	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	325.5	12

A 10...F...

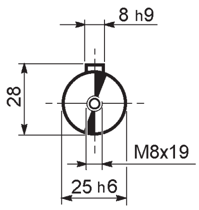


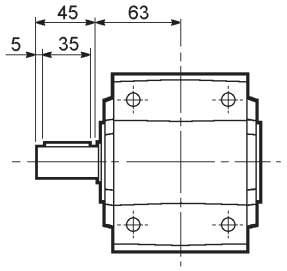
Bonfiglioli Riduttori



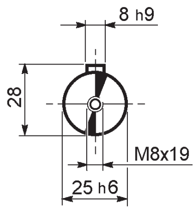
A 10

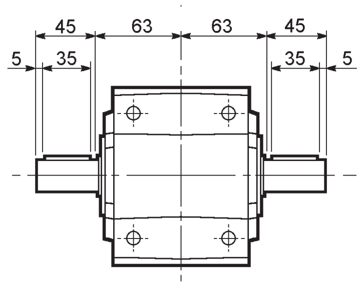
A 10...UR



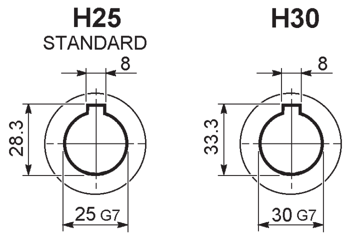


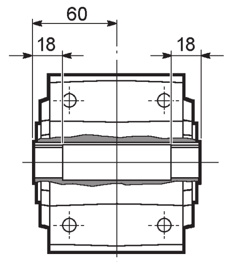
A 10...UD



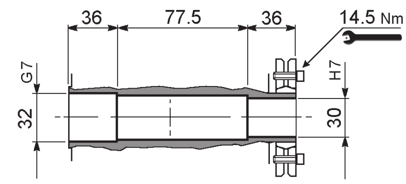


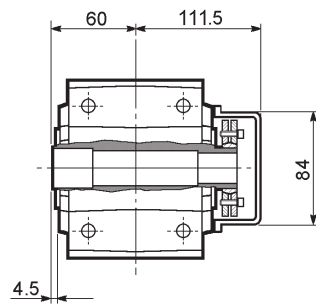
A 10...UH





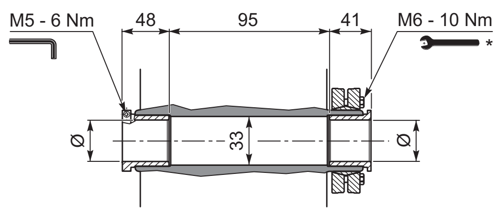
A 10...US

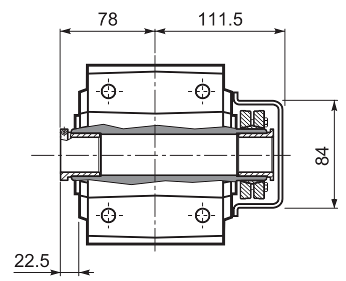




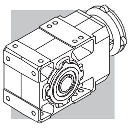
A 10...QF

	Ø
QF25	25
QF30	30

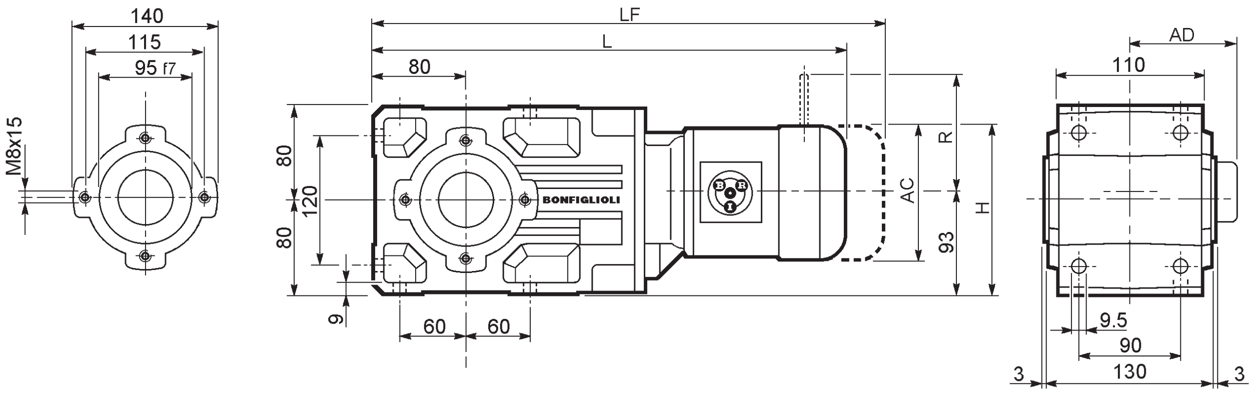




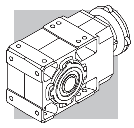
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



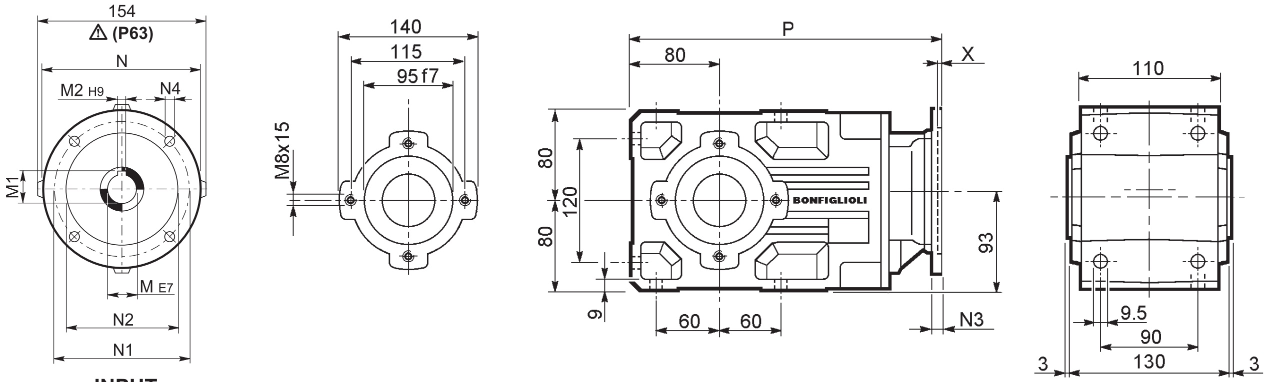
A 20...M/ME



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
A 20 2	S05	M05	121	143.5	432	95	16	498	18	96	122	116	95
A 20 2	S1	M1	138	152	461	108	18	522	21	103	135	124	108
A 20 2	S2	ME2S	156	161	490	119	22	—	—	—	—	—	—
A 20 2	S3	ME3S	195	180.5	533	142	28.5	—	—	—	—	—	—
A 20 2	S3	ME3L	195	180.5	565	142	34	—	—	—	—	—	—
A 20 3	S05	M05	121	143.5	457.5	95	16	553.5	18	96	122	116	95
A 20 3	S1	M1	138	152	486.5	108	19	577.5	21	103	135	124	108
A 20 3	S2	ME2S	156	161	545.5	119	23	—	—	—	—	—	—
A 20 3	S3	ME3S	195	180.5	588.5	142	29.5	—	—	—	—	—	—
A 20 3	S3	ME3L	195	180.5	620.5	142	35	—	—	—	—	—	—



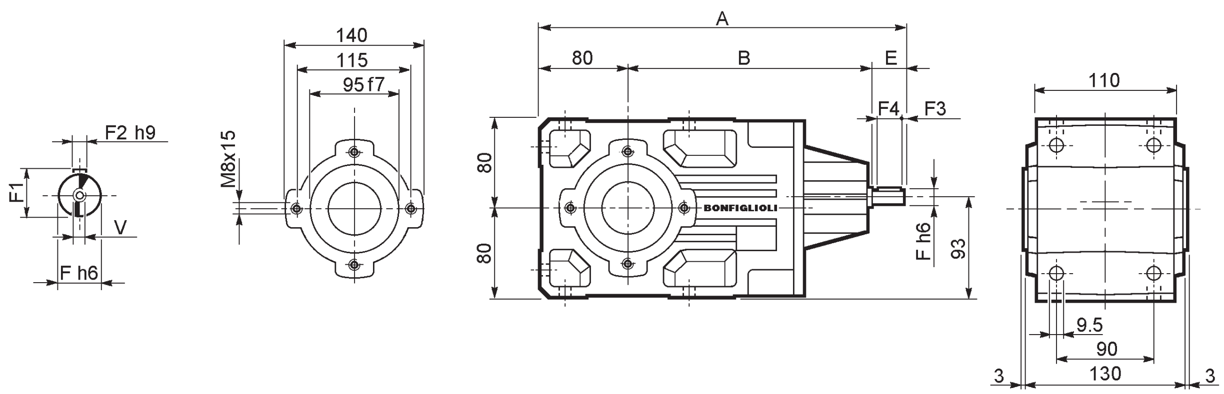
A 20...P(IEC)



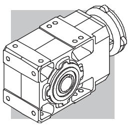
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 20 2	**P63**	11	12.8	4	140	115	95	—	M8x19	4	306	12
A 20 2	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	306	12
A 20 2	**P80**	19	21.8	6	200	165	130	—	M10x12	4	325.5	13
A 20 2	**P90**	24	27.3	8	200	165	130	—	M10x12	4	325.5	13
A 20 2	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	335.5	17
A 20 2	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	335.5	17
A 20 3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	361.5	13
A 20 3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	361.5	13
A 20 3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	381	14
A 20 3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	381	14
A 20 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	391	18
A 20 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	391	18

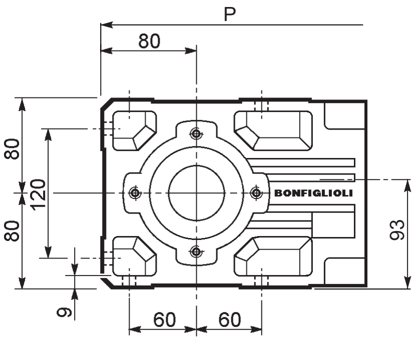
A 20...HS

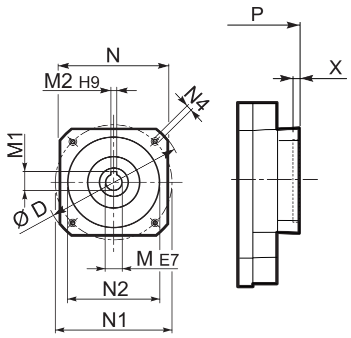


		A	B	E	F	F1	F2	F3	F4	V	Kg
A 20 2	**HS**	356	236	40	19	21.5	6	2.5	35	M6x16	11.9
A 20 3		368.5	248.5	40	16	18	5	2.5	35	M6x16	12.2

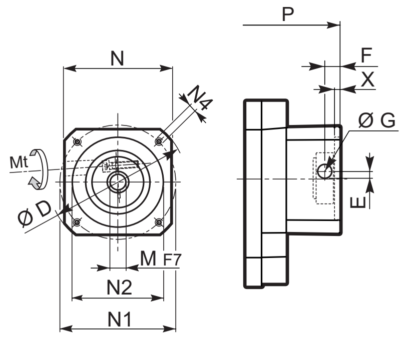


A 20...SK / SC





SK...

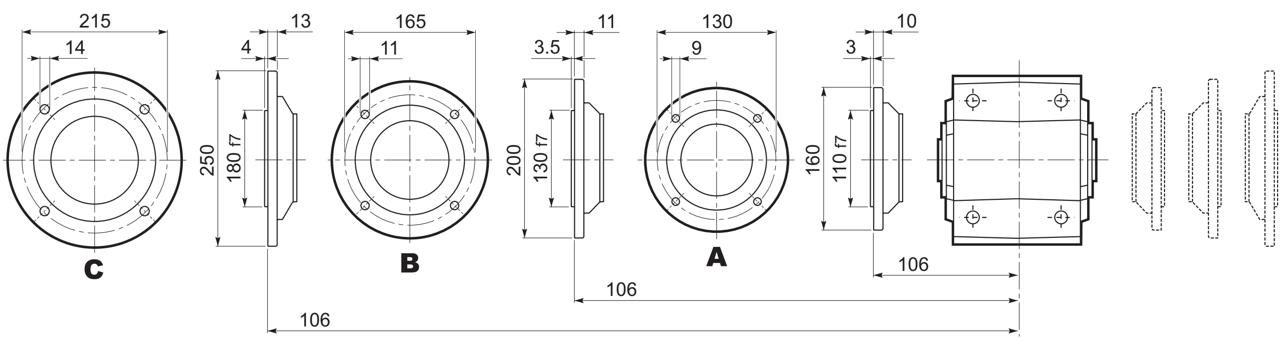


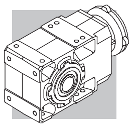
SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	Kg
A 20 2/3	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	277.5	333	11/12
A 20 2/3	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	284.5	340	12/13
A 20 2/3	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	284.5	340	12/13
A 20 2/3	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	325.5	381	13/14
A 20 2/3	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	325.5	381	13/14
A 20 2/3	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	325.5	381	13/14
A 20 2/3	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	325.5	381	13/14
A 20 2/3	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	325.5	381	13/14
A 20 2/3	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	325.5	381	13/14

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	Kg
A 20 2/3	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	304.5	360	12/13
A 20 2/3	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	304.5	360	13/14
A 20 2/3	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	304.5	360	13/14
A 20 2/3	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	349	404.5	14/15
A 20 2/3	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	349	404.5	14/15
A 20 2/3	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	349	404.5	14/15
A 20 2/3	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	349	404.5	14/15
A 20 2/3	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	349	404.5	15/16
A 20 2/3	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	349	404.5	15/16

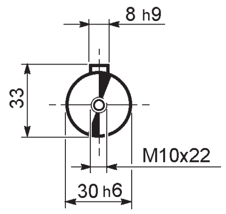
A 20...F...

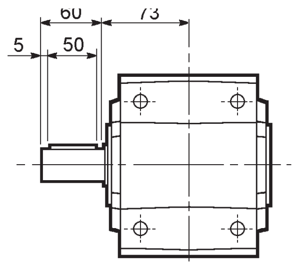




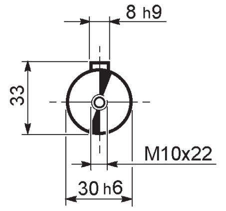
A 20

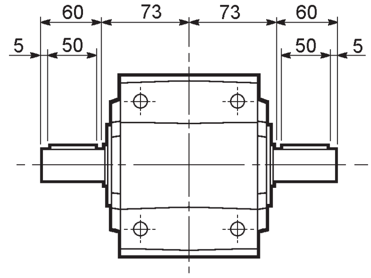
A 20...UR



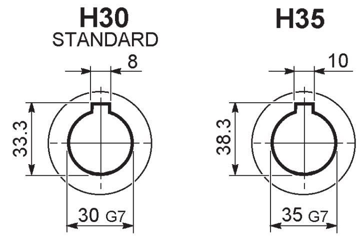


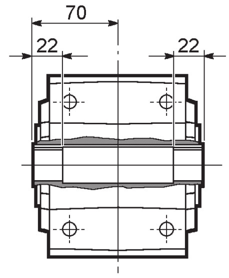
A 20...UD



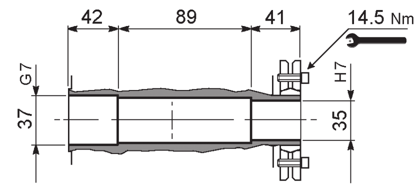


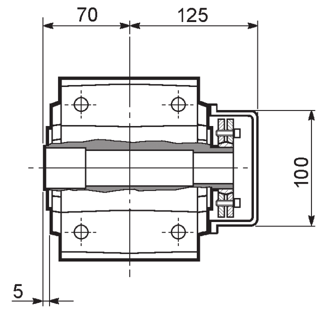
A 20...UH





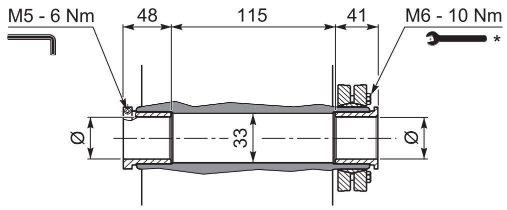
A 20...US

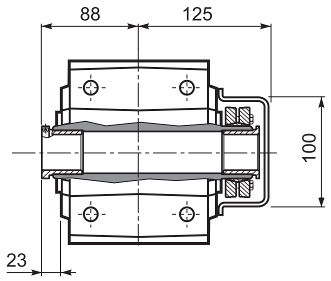




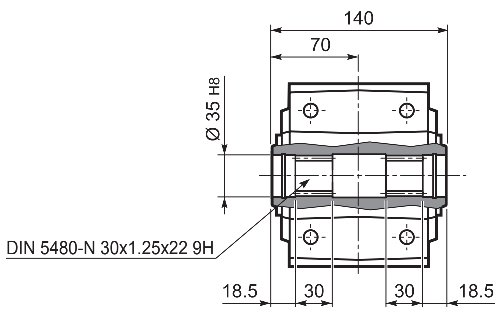
A 20...QF

	Ø
QF25	25
QF30	30

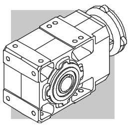




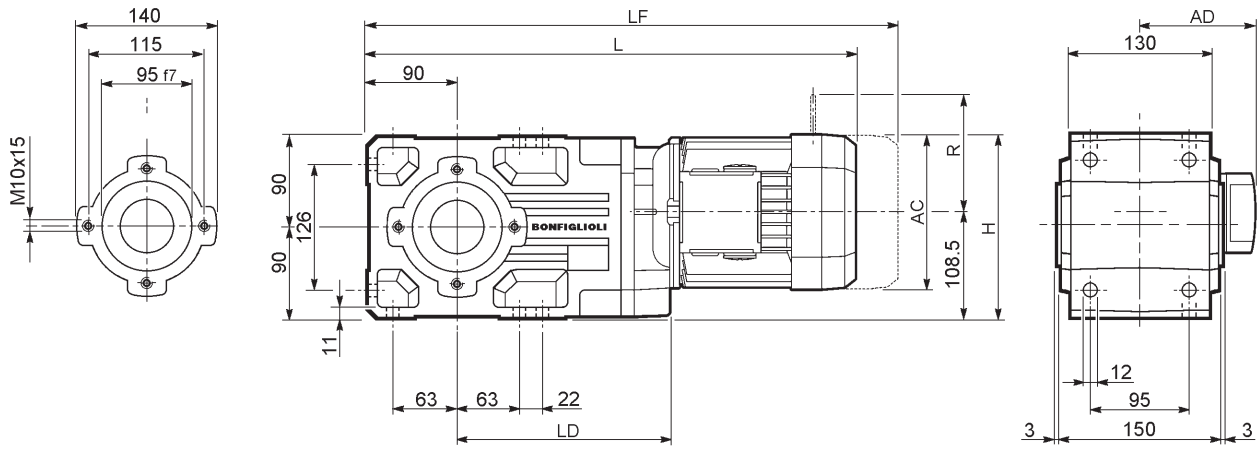
A 20...UV



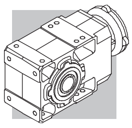
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



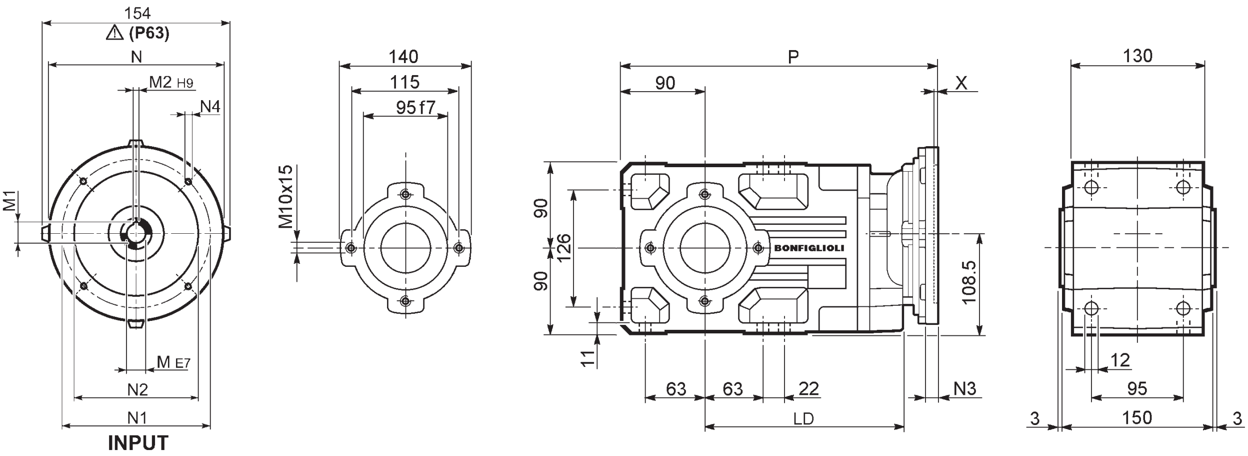
A 30...M/ME



									M...FD M...FA		M...FD		M...FA	
			AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 30 2	**S1**	**M1**	138	177.5	488	201	108	22	549	24	103	135	124	108
A 30 2	**S2**	**ME2S**	156	186.5	517	213	119	25	—	—	—	—	—	—
A 30 2	**S3**	**ME3S**	195	206	560	223	142	31.5	—	—	—	—	—	—
A 30 2	**S3**	**ME3L**	195	206	592	223	142	38	—	—	—	—	—	—
A 30 3	**S05**	**M05**	121	169	516.5	—	95	21	582.5	22	96	122	116	95
A 30 3	**S1**	**M1**	138	177.5	545.5	—	108	23	606.5	26	103	135	124	108
A 30 3	**S2**	**ME2S**	156	186.5	574.5	—	119	25	—	—	—	—	—	—
A 30 3	**S3**	**ME3S**	195	206	617.5	—	142	31.5	—	—	—	—	—	—
A 30 3	**S3**	**ME3L**	195	206	649.5	—	142	38	—	—	—	—	—	—

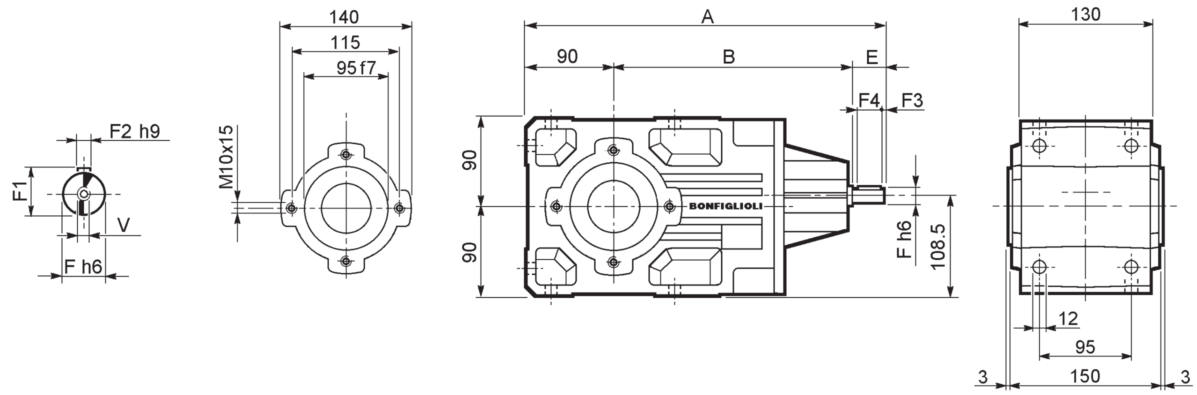


A 30...P(IEC)

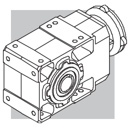


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 30 2	**P63**	213	11	12.8	4	140	115	95	—	M8x19	4	333	16
A 30 2	**P71**	213	14	16.3	5	160	130	110	—	M8x16	4.5	333	16
A 30 2	**P80**	223	19	21.8	6	200	165	130	—	M10x12	4	352.5	17
A 30 2	**P90**	223	24	27.3	8	200	165	130	—	M10x12	4	352.5	17
A 30 2	**P100**	223	28	31.3	8	250	215	180	—	M12x16	4.5	362.5	20
A 30 2	**P112**	223	28	31.3	8	250	215	180	—	M12x16	4.5	362.5	20
A 30 3	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	390.5	17
A 30 3	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	390.5	17
A 30 3	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	410	18
A 30 3	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	410	18
A 30 3	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	420	22
A 30 3	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	420	22

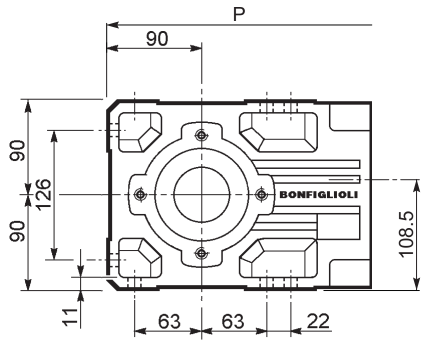
A 30...HS

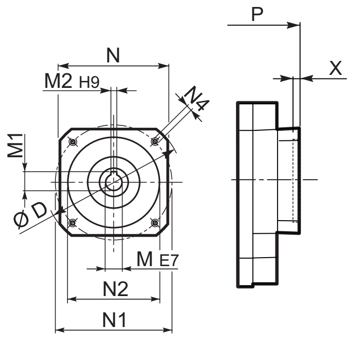


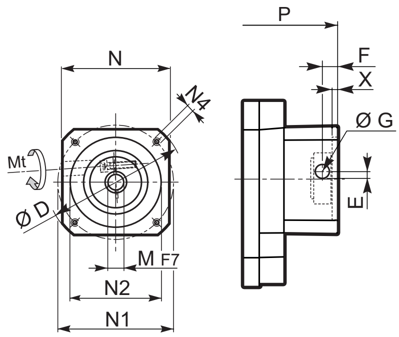
		A	B	E	F	F1	F2	F3	F4	V	Kg
A 30 2	**HS**	383	253	40	19	21.5	6	2.5	35	M6x16	16.7
A 30 3		397.5	267.5	40	16	18	5	2.5	35	M6x16	16.5



A 30...SK / SC







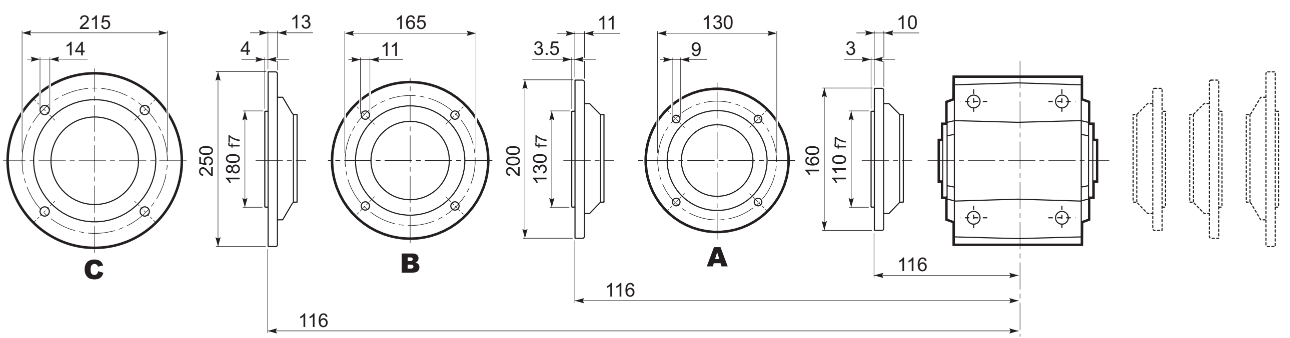
SK...

SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	Kg
A 30 2/3	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	304.5	362	15/16
A 30 2/3	SK60B	102	14	16.3	5	82	75	60	M5x10	4	311.5	369	16/17
A 30 2/3	SK80A	115	14	16.3	5	90	100	80	M6x12	4	311.5	369	16/17
A 30 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	352.5	410	17/18
A 30 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	352.5	410	17/18
A 30 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	352.5	410	17/18
A 30 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	352.5	410	17/18
A 30 2	SK130A	188	24	27.3	8	142	165	130	M10x20	5	352.5	—	18

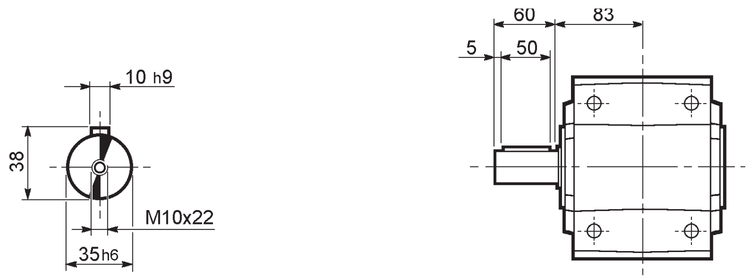
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	Kg
A 30 2/3	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	331.5	389	16/17
A 30 2/3	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	331.5	389	17/18
A 30 2/3	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	331.5	389	17/18
A 30 2/3	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	376	433.5	18/19
A 30 2/3	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	376	433.5	18/19
A 30 2/3	SC 110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	376	433.5	19/20
A 30 2/3	SC 110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	376	433.5	19/20
A 30 2	SC 130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	376	—	20

A 30...F...

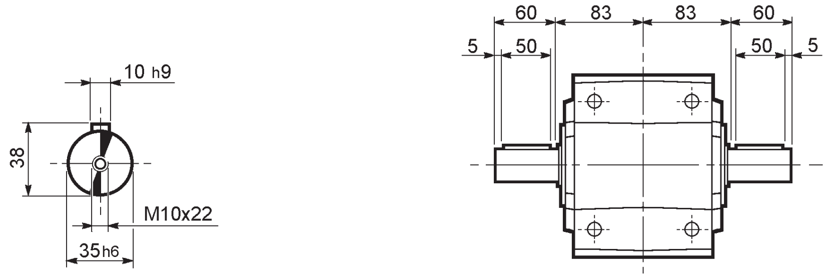


A 30

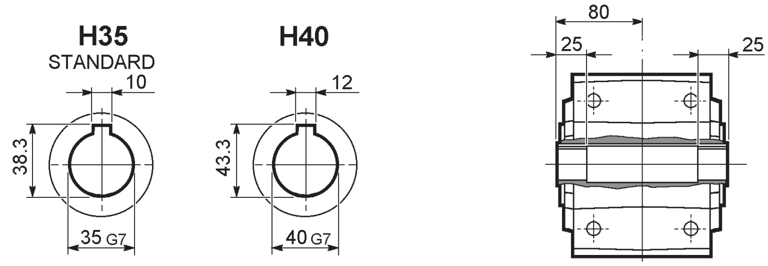
A 30...UR



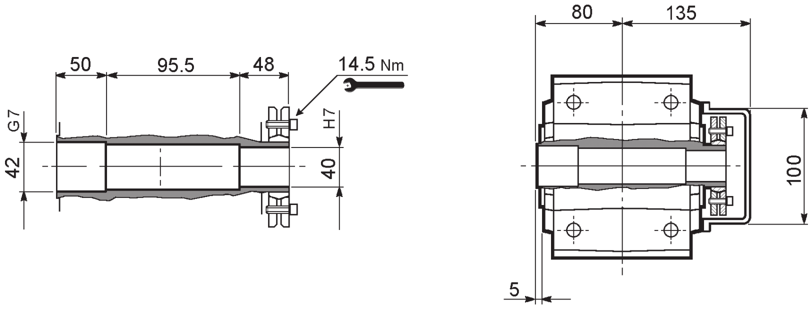
A 30...UD



A 30...UH

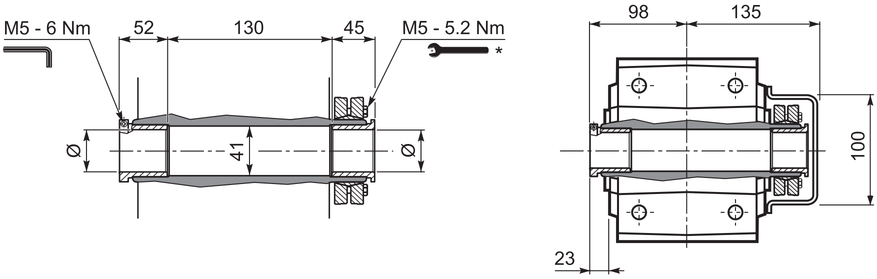


A 30...US

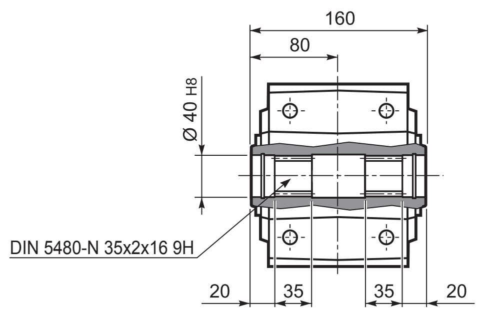


A 30...QF

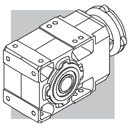
	Ø
QF35	35
QF40	40



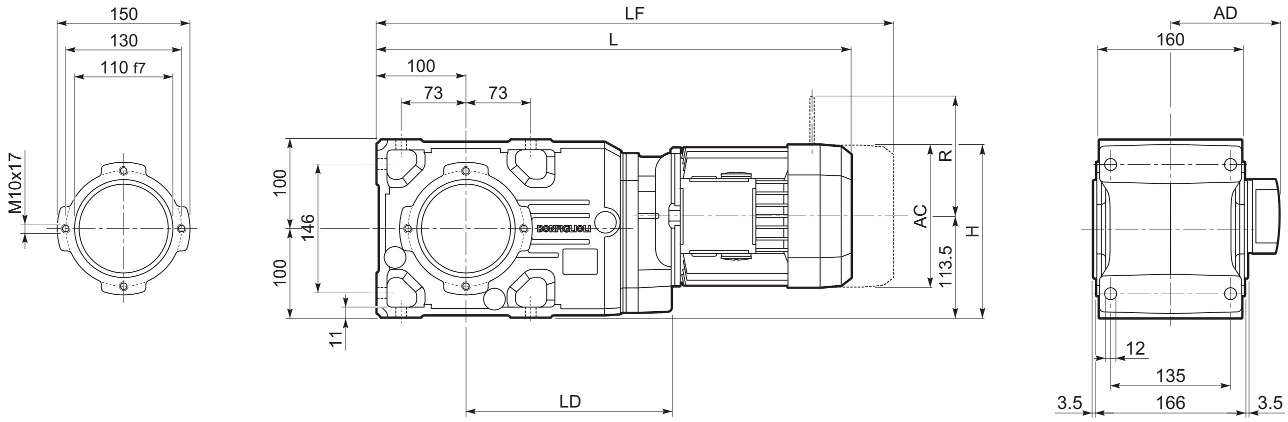
A 30...UV



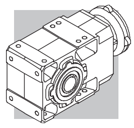
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



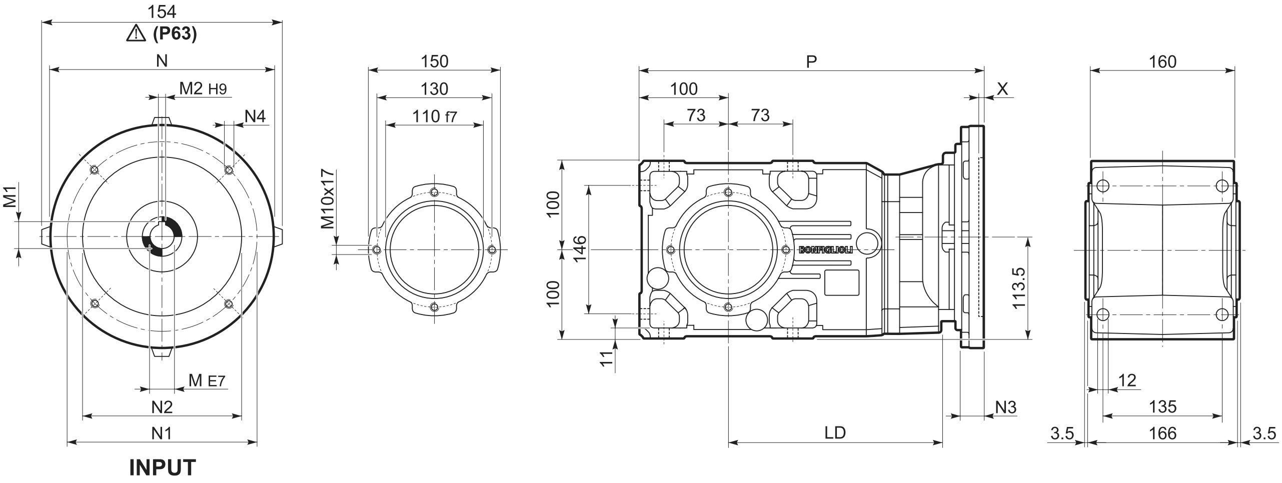
A 35...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 35 2	S1	M1		138	182.5	514.5	217.5	108	34	575.5	36	103	135	124	108
A 35 2	S2	ME2S		156	191.5	543.5	229.5	119	37	—	—	—	—	—	—
A 35 2	S3	ME3S		195	211	586.5	239.5	142	43.5	—	—	—	—	—	—
A 35 2	S3	ME3L		195	211	618.5	239.5	142	50	—	—	—	—	—	—
A 35 2	S4	ME4	MX4	258	242.5	726.5	—	193	89	—	—	—	—	—	—
A 35 2	S4	ME4LB	MX4LA	258	242.5	761.5	—	193	97	—	—	—	—	—	—
A 35 3	S05	M05S		121	174	543	—	95	33	609	34	96	122	116	95
A 35 3	S1	M1		138	182.5	572	—	108	35	633	38	103	135	124	108
A 35 3	S2	ME2S		156	191.5	601	—	119	37	—	—	—	—	—	—
A 35 3	S3	ME3S		195	211	644	—	142	43.5	—	—	—	—	—	—
A 35 3	S3	ME3L		195	211	676	—	142	50	—	—	—	—	—	—

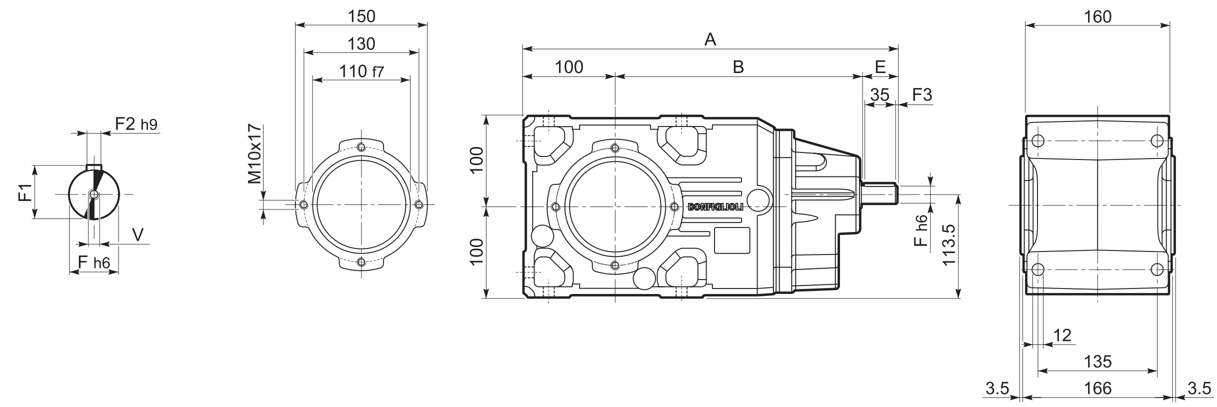


A 35...P(IEC)

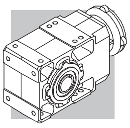


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 35 2	**P63**	229.5	11	12.8	4	140	115	95	—	M8x19	4	359.5	28
A 35 2	**P71**	229.5	14	16.3	5	160	130	110	—	M8x16	4.5	359.5	28
A 35 2	**P80**	239.5	19	21.8	6	200	165	130	—	M10x12	4	379	29
A 35 2	**P90**	239.5	24	27.3	8	200	165	130	—	M10x12	4	379	29
A 35 2	**P100**	239.5	28	31.3	8	250	215	180	—	M12x16	4.5	389	32
A 35 2	**P112**	239.5	28	31.3	8	250	215	180	—	M12x16	4.5	389	32
A 35 2	**P132**	—	38	41.3	10	300	265	230	16	14	5	425.5	40
A 35 3	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	417	29
A 35 3	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	417	29
A 35 3	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	436.5	30
A 35 3	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	436.5	30
A 35 3	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	34
A 35 3	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	34

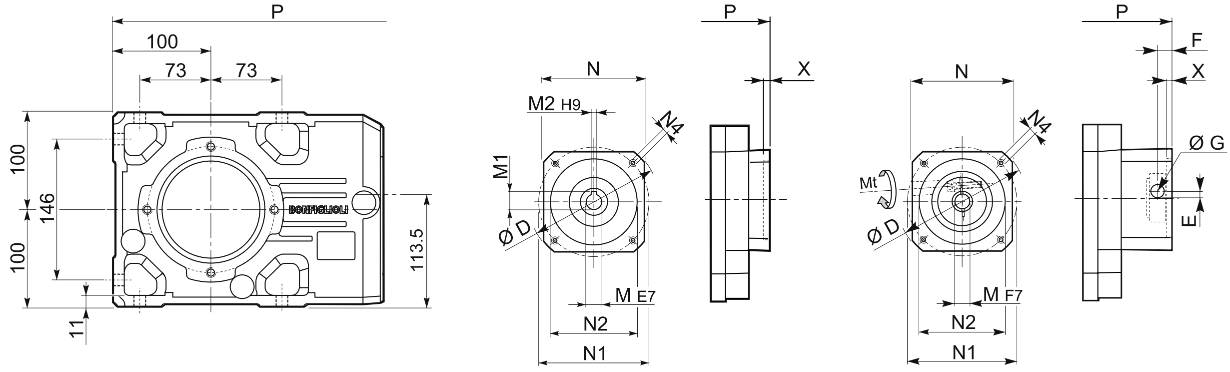
A 35...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 35 2	**HS**	409.5	269.5	40	19	21.5	6	2.5	35	M6x16	29
A 35 3		424	284	40	16	18	5	2.5	35	M6x16	29



A 35...SK / SC



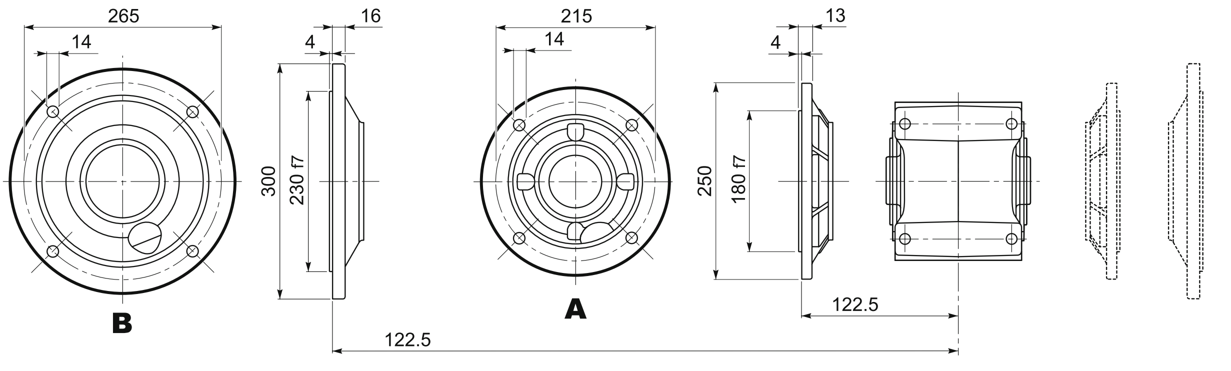
SK...

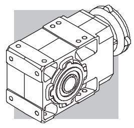
SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	Kg
A 35 2/3	SK60A	102	11	12.8	4	82	75	60	M5x10	3.5	331	388.5	27/28
A 35 2/3	SK60B	102	14	16.3	5	82	75	60	M5x10	4	338	395.5	28/29
A 35 2/3	SK80A	115	14	16.3	5	90	100	80	M6x12	4	338	395.5	28/29
A 35 2/3	SK80C	120	19	21.8	6	96	100	80	M6x12	4	379	436.5	29/30
A 35 2/3	SK95A	130	14	16.3	5	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	SK95B	130	19	21.8	6	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	SK95C	130	24	27.3	8	102	115	95	M8x12	4	379	436.5	29/30
A 35 2/3	SK110A	150	19	21.8	6	120	130	110	M8x12	5	379	436.5	29/30
A 35 2/3	SK110B	150	24	27.3	8	120	130	110	M8x12	5	379	436.5	29/30
A 35 2	SK130A	188	24	27.3	8	142	165	130	M10x20	5	379	—	30

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	Kg
A 35 2/3	SC60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	358	415.5	28/29
A 35 2/3	SC60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	358	415.5	29/30
A 35 2/3	SC80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	358	415.5	29/30
A 35 2/3	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	402.5	460	30/31
A 35 2/3	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	402.5	460	30/31
A 35 2/3	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	402.5	460	32/33
A 35 2/3	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	402.5	460	32/33
A 35 2	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	402.5	—	33

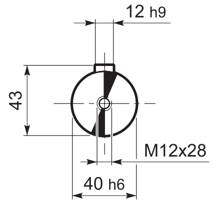
A 35...F...

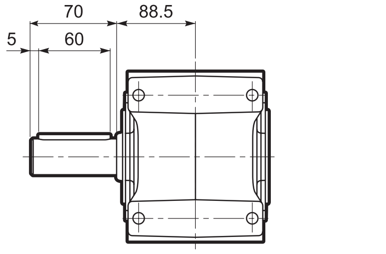




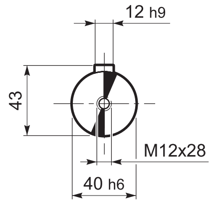
A 35

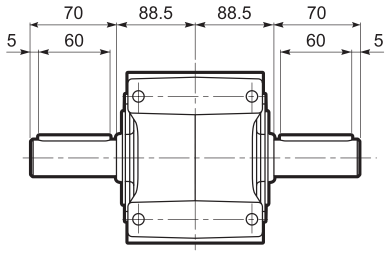
A 35...UR



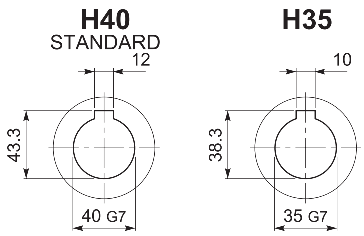


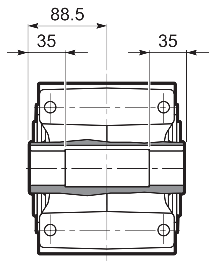
A 35...UD



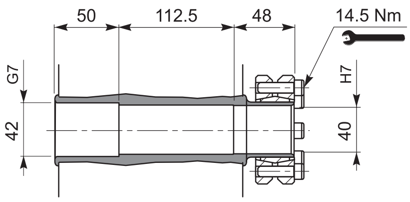


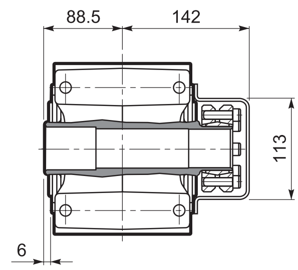
A 35...UH





A 35...US

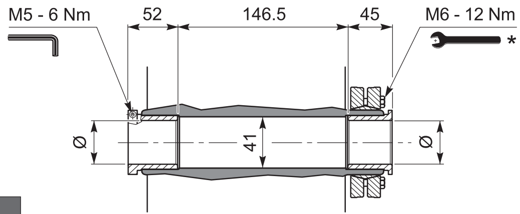


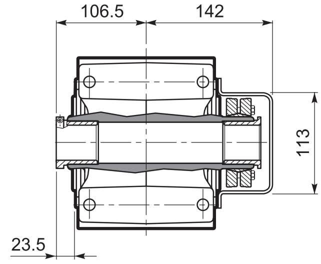


A 35...QF

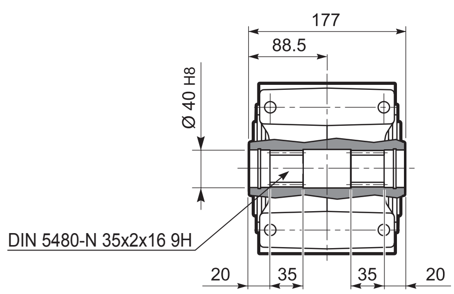
	Ø
QF35	35
QF40	40

$M_{n2\ max}$ [Nm]	
A 35 QF35	550

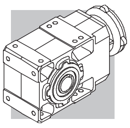




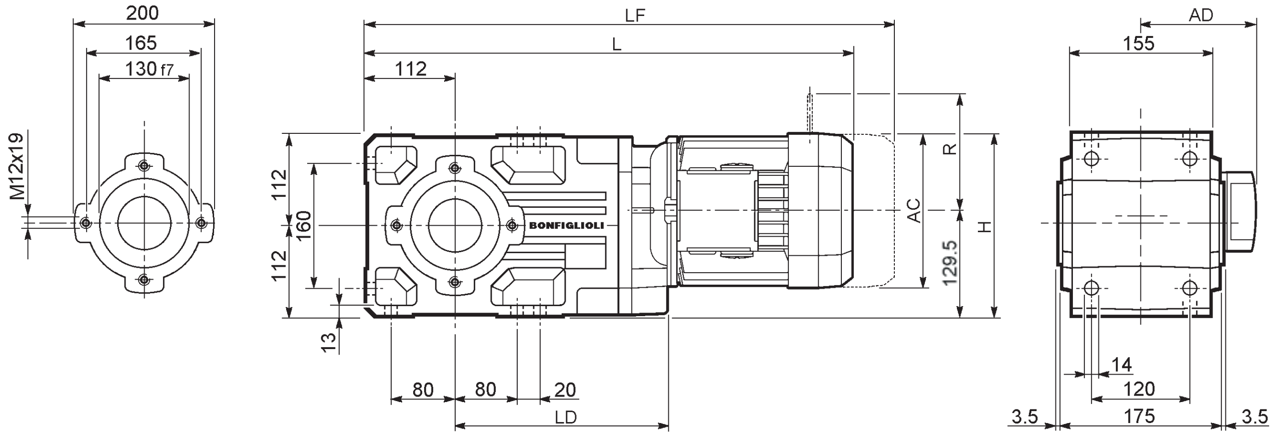
A 35...UV



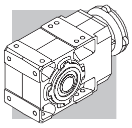
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



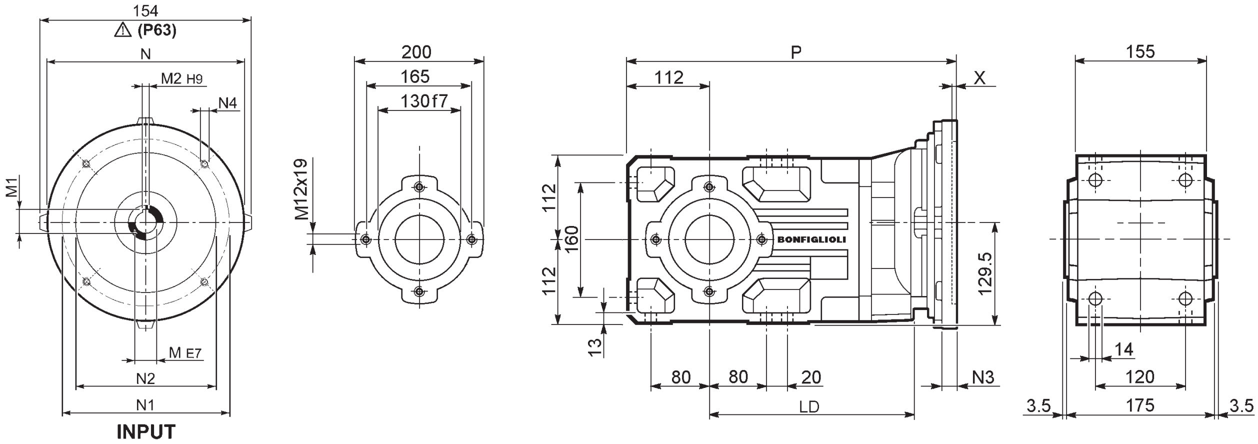
A 41...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 41 2	**S1**	**M1**		138	198.5	530	216.5	108	41	591	44	103	135	124	108
A 41 2	**S2**	**ME2S**		156	207.5	559	232	119	45	—	—	—	—	—	—
A 41 2	**S3**	**ME3S**		195	227	602	248	142	51.5	—	—	—	—	—	—
A 41 2	**S3**	**ME3L**		195	227	634	248	142	58	—	—	—	—	—	—
A 41 2	**S4**	**ME4**	**MX4**	258	258.5	742	—	193	92	—	—	—	—	—	—
A 41 2	**S4**	**ME4LB**	**MX4LA**	258	258.5	777	—	193	100	—	—	—	—	—	—
A 41 3	**S05**	**M05**		121	245	562.5	—	95	44	628.5	46	96	122	116	95
A 41 3	**S1**	**M1**		138	198.5	591.5	—	108	46	652.5	49	103	135	124	108
A 41 3	**S2**	**ME2S**		156	207.5	620.5	—	119	50	—	—	—	—	—	—
A 41 3	**S3**	**ME3S**		195	227	663.5	—	142	56.5	—	—	—	—	—	—
A 41 3	**S3**	**ME3L**		195	227	695.5	—	142	61	—	—	—	—	—	—

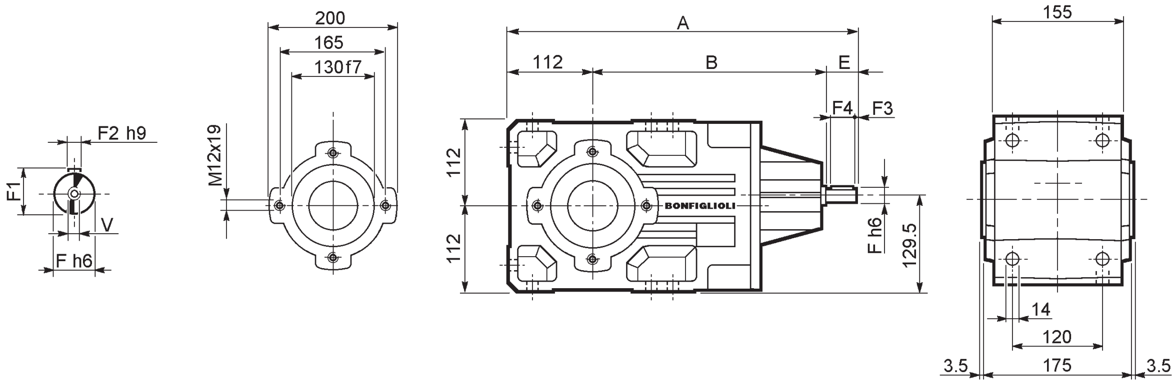


A 41...P(IEC)

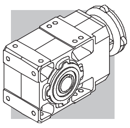


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 41 2	**P63**	232	11	12.8	4	140	115	95	—	M8x19	4	375	37
A 41 2	**P71**	232	14	16.3	5	160	130	110	—	M8x16	4.5	375	38
A 41 2	**P80**	248	19	21.8	6	200	165	130	—	M10x12	4	394.5	39
A 41 2	**P90**	248	24	27.3	8	200	165	130	—	M10x12	4	394.5	39
A 41 2	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	404.5	43
A 41 2	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	404.5	43
A 41 2	**P132**	—	38	41.3	10	300	265	230	16	14	5	441	46
A 41 3	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	436.5	39
A 41 3	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	436.5	39
A 41 3	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	456	40
A 41 3	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	456	40
A 41 3	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	466	44
A 41 3	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	466	44

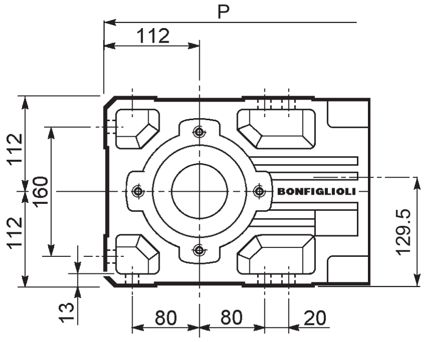
A 41...HS

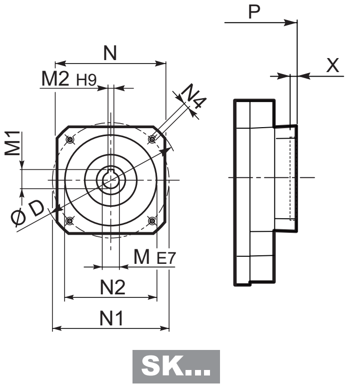


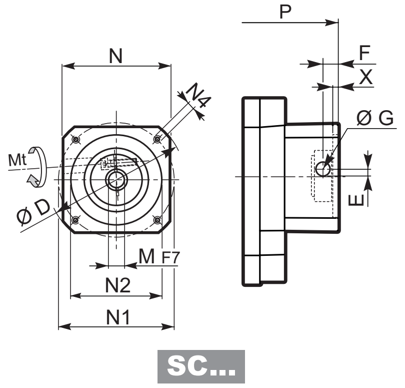
		A	B	E	F	F1	F2	F3	F4	V	Kg
A 41 2	**HS**	464	302.5	50	24	27	8	2.5	45	M8x19	40.7
A 41 3		486.5	334.5	40	19	21.5	6	2.5	35	M6x16	39.5



A 41...SK / SC



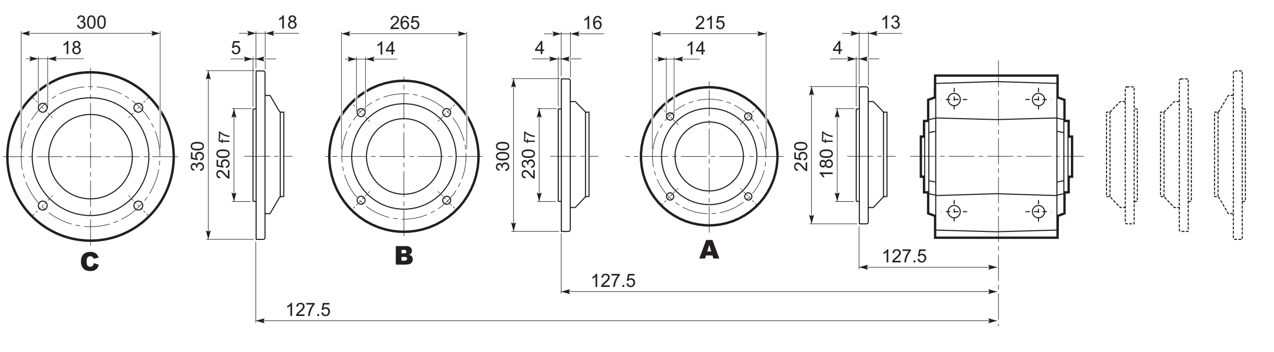




		D	M	M1	M2	N	N1	N2	N4	X	P 2x	P 3x	Kg
A41 3	**SK60A**	102	11	12.8	4	82	75	60	M5x10	3.5	—	408	40
A41 3	**SK60B**	102	14	16.3	5	82	75	60	M5x10	4	—	415	40
A41 3	**SK80A**	115	14	16.3	5	90	100	80	M6x12	4	—	415	40
A41 2	**SK80B**	120	14	16.3	5	96	100	80	M6x12	4	394.5	—	39
A41 2/3	**SK80C**	120	19	21.8	6	96	100	80	M6x12	4	394.5	456	39/40
A41 2/3	**SK95A**	130	14	16.3	5	102	115	95	M8x12	4	394.5	456	39/40
A41 2/3	**SK95B**	130	19	21.8	6	102	115	95	M8x12	4	394.5	456	39/41
A41 2/3	**SK95C**	130	24	27.3	8	102	115	95	M8x12	4	394.5	456	39/44
A41 2/3	**SK110A**	150	19	21.8	6	120	130	110	M8x12	5	394.5	456	39/44
A41 2/3	**SK110B**	150	24	27.3	8	120	130	110	M8x12	5	394.5	456	39/44
A41 2	**SK130A**	188	24	27.3	8	142	165	130	M10x20	5	394.5	—	41
A41 2	**SK130B**	189	32	35.3	10	160	165	130	M10x20	5	441	—	43
A41 2	**SK180A**	240	32	35.3	10	192	215	180	M12x19	5	441	—	43
A41 2	**SK180B**	240	38	41.3	10	192	215	180	M12x19	5	441	—	43

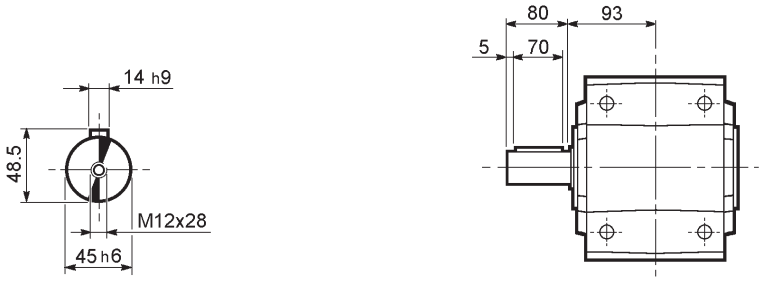
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2x	P 3x	Kg
A41 3	**SC60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	—	435	41
A41 3	**SC60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	—	435	41
A41 3	**SC80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	—	435	41
A41 2	**SC80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	418	—	40
A41 2/3	**SC80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	418	479.5	40/41
A41 2/3	**SC95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	418	479.5	40/42
A41 2/3	**SC95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	418	479.5	40/42
A41 2/3	**SC95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	418	479.5	40/43
A41 2/3	**SC110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	418	479.5	41/47
A41 2/3	**SC110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	418	479.5	41/47
A41 2	**SC130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	418	—	42
A41 2	**SC130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	464	—	46
A41 2	**SC180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	468	—	46
A41 2	**SC180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	468	—	46

A 41...F...

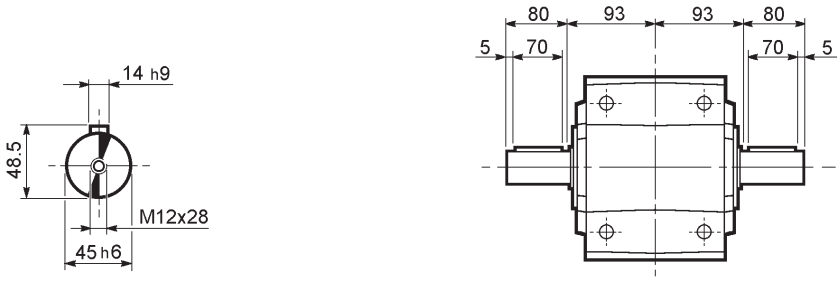


A 41

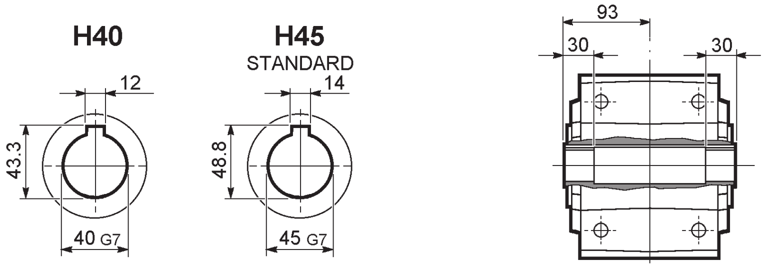
A 41...UR



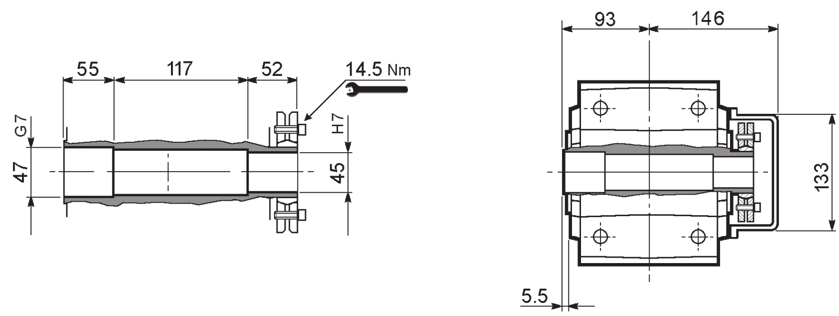
A 41...UD



A 41...UH

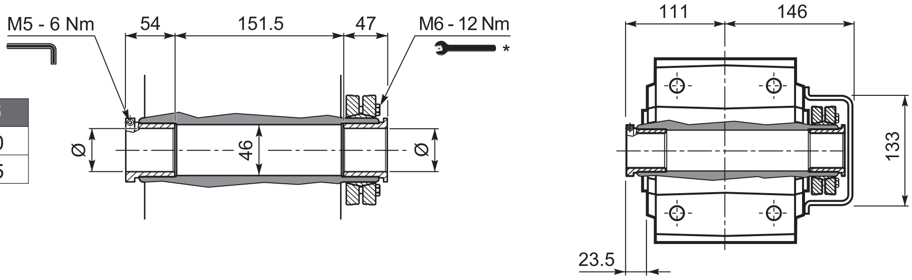


A 41...US

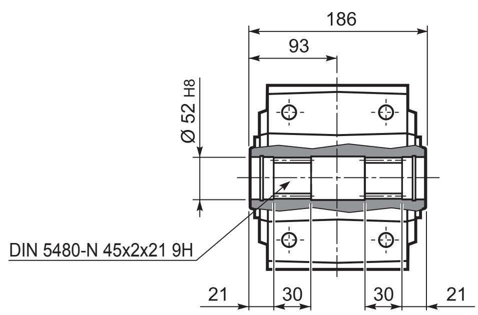


A 41...QF

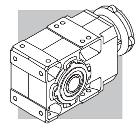
	Ø
QF40	40
QF45	45



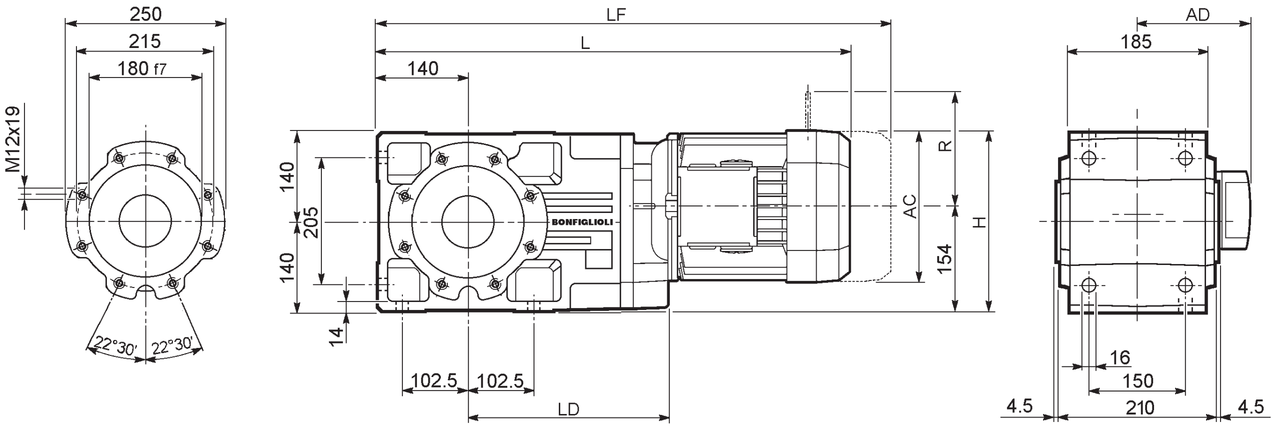
A 41...UV



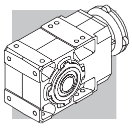
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



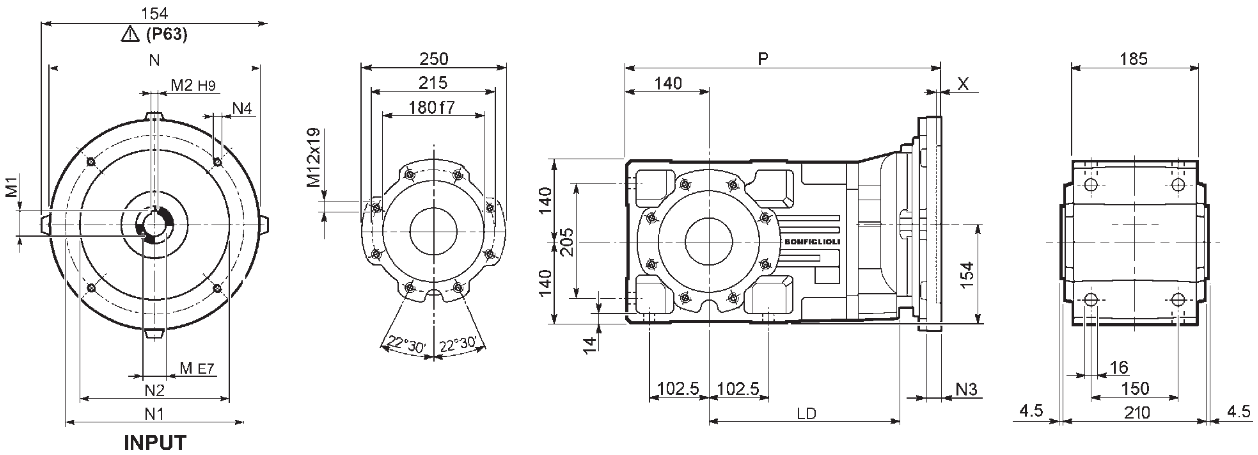
A 50...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 50 2/3	S1	M1		138	223	609.5	—	108	66	670.5	69	103	135	124	108
A 50 2/3	S2	ME2S		156	232	638.5	284.5	119	68	—	—	—	—	—	—
A 50 2/3	S3	ME3S		195	251.5	681.5	299.5	142	74.5	—	—	—	—	—	—
A 50 2/3	S3	ME3L		195	251.5	713.5	299.5	142	81	—	—	—	—	—	—
A 50 2/3	S4	ME4	MX4	258	283	821.5	284.5	193	115	—	—	—	—	—	—
A 50 2/3	S4	ME4LB	MX4LA	258	283	856.5	284.5	193	123	—	—	—	—	—	—
A 50 2/3	S5	ME5S	MX5S	310	309	908	—	245	143	—	—	—	—	—	—
A 50 2/3	S5	ME5L	MX5L	310	309	952	—	245	159	—	—	—	—	—	—
A 50 4	S1	M1		138	223	681	—	108	67	742	70	103	135	124	108
A 50 4	S2	ME2S		156	232	710	—	119	71	—	—	—	—	—	—
A 50 4	S3	ME3S		195	251.5	753	—	142	77.5	—	—	—	—	—	—
A 50 4	S3	ME3L		195	251.5	785	—	142	83	—	—	—	—	—	—

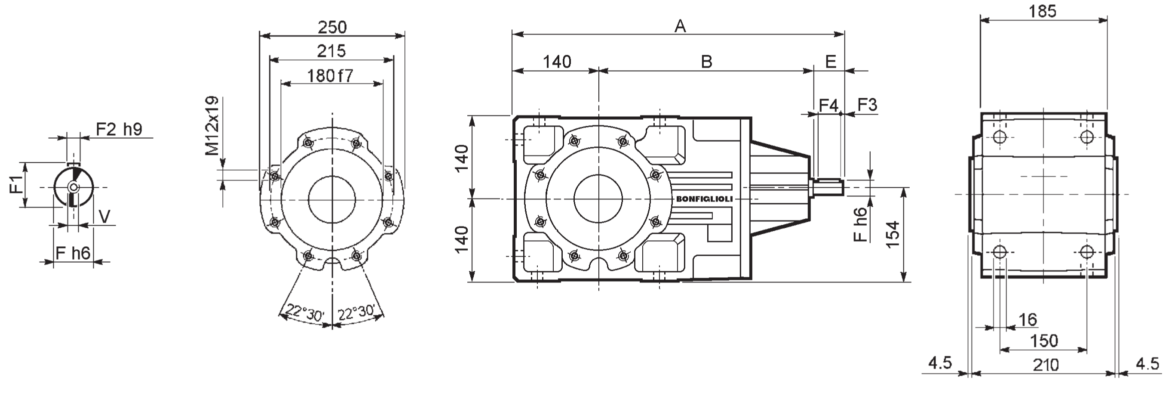


A 50...P(IEC)

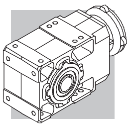


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 50 2/3	**P63**	284.5	11	12.8	4	140	115	95	—	M8x19	4	454.5	60
A 50 2/3	**P71**	284.5	14	16.3	5	160	130	110	—	M8x16	4.5	454.5	60
A 50 2/3	**P80**	299.5	19	21.8	6	200	165	130	—	M10x12	4	474	61
A 50 2/3	**P90**	299.5	24	27.3	8	200	165	130	—	M10x12	4	474	61
A 50 2/3	**P100**	284.5	28	31.3	8	250	215	180	—	M12x16	4.5	484	65
A 50 2/3	**P112**	284.5	28	31.3	8	250	215	180	—	M12x16	4.5	484	65
A 50 2/3	**P132**	284.5	38	41.3	10	300	265	230	16	14	5	520.5	68
A 50 2/3	**P160**	—	42	45.3	12	350	300	250	23	18	5.5	571	72
A 50 2/3	**P180**	—	48	51.8	14	350	300	250	23	18	5.5	571	72
A 50 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	526	62
A 50 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	526	62
A 50 4	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	545.5	63
A 50 4	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	545.5	63
A 50 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	555.5	67
A 50 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	555.5	67

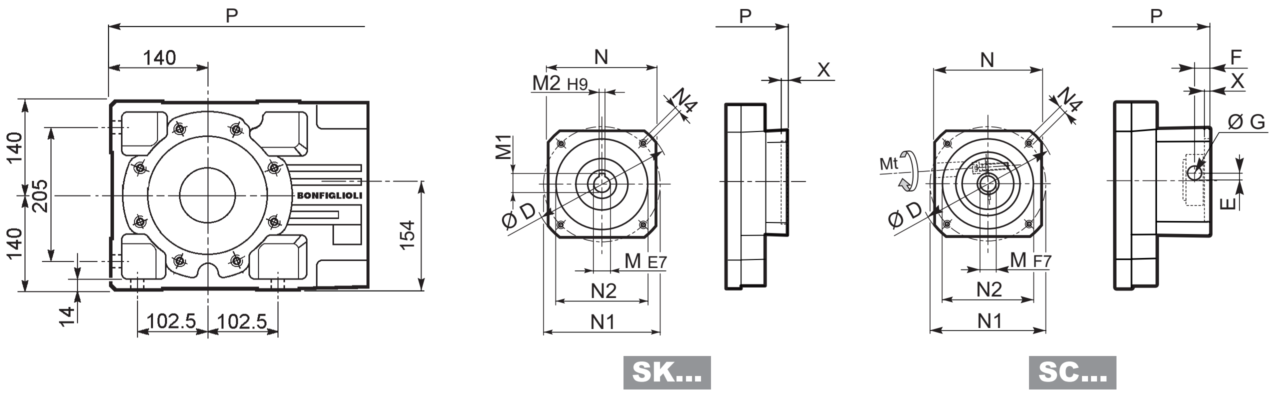
A 50...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 50 2	**HS**	543.5	353.5	50	24	27	8	2.5	45	M8x19	72
A 50 3	**HS**	543.5	353.5	50	24	27	8	2.5	45	M8x19	76
A 50 4	**HS**	576	396	40	19	21.5	6	2.5	35	M6x16	77



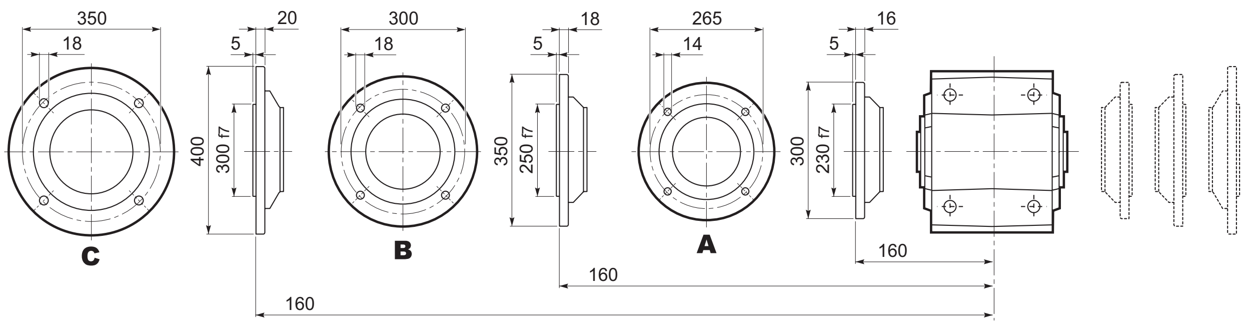
A 50...SK / SC



		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
A 50 2/3	SK80B	120	14	16.3	5	96	100	80	M6x12	4	474	—	61/61
A 50 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	474	545.5	61/61/63
A 50 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	474	545.5	61/61/63
A 50 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	474	545.5	61/61/65
A 50 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	474	575	61/61/65
A 50 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	474	575	63/63/66
A 50 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	520.5	—	69/69
A 50 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	520.5	—	69/69
A 50 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	520.5	—	69/69

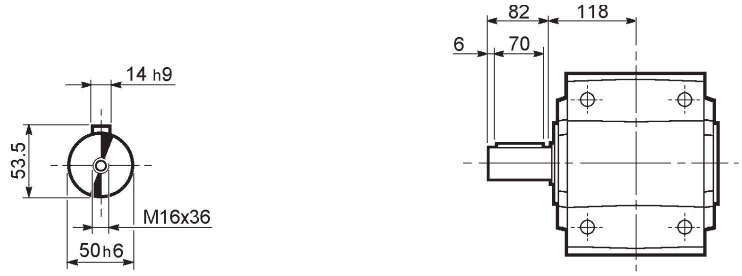
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 3x	Kg
A 50 2/3	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	497.5	—	62/62
A 50 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	497.5	569	62/62/64
A 50 2/3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	497.5	569	62/62/64
A 50 2/3/4	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	497.5	569	63/63/66
A 50 2/3/4	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	497.5	569	63/63/66
A 50 2/3/4	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	497.5	569	64/64/67
A 50 2/3	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	543.5	—	68/68
A 50 2/3	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	547.5	—	68/68
A 50 2/3	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	547.5	—	68/68

A 50...F...

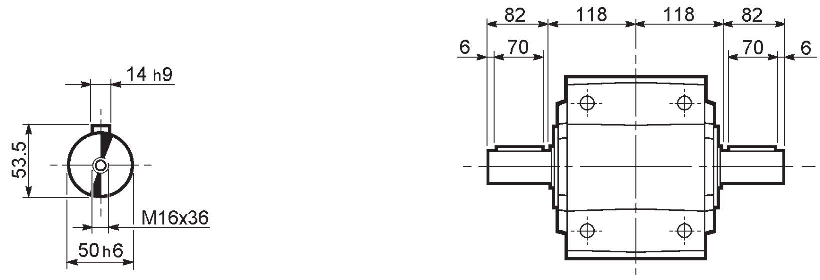


A 50

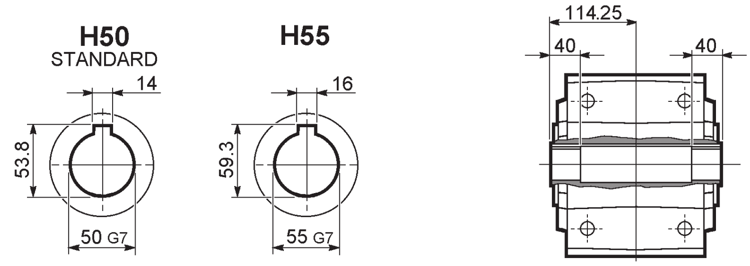
A 50...UR



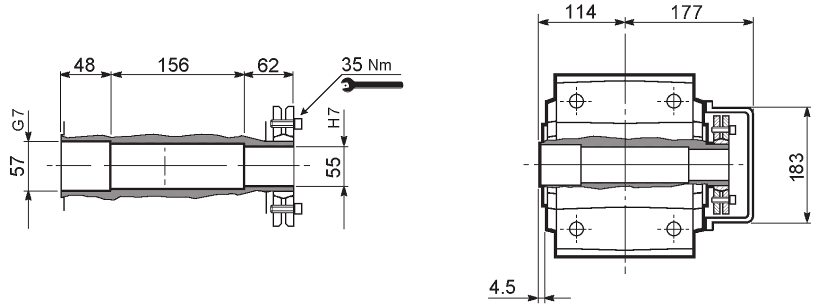
A 50...UD



A 50...UH

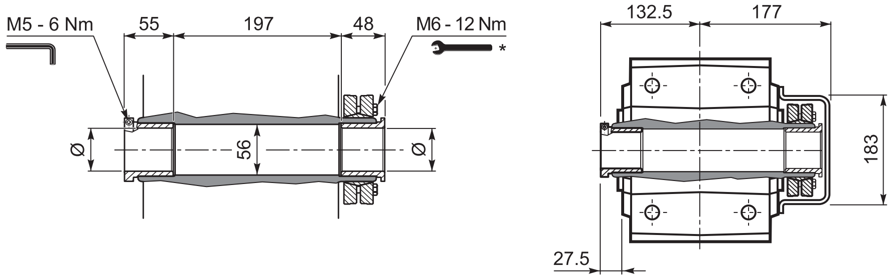


A 50...US

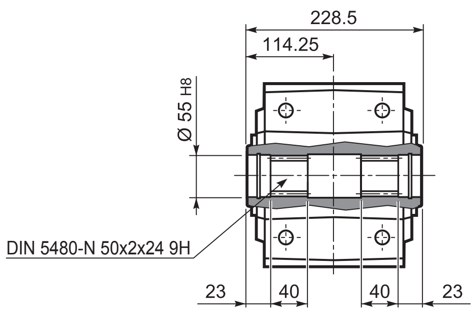


A 50...QF

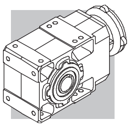
	Ø
QF50	50
QF55	55



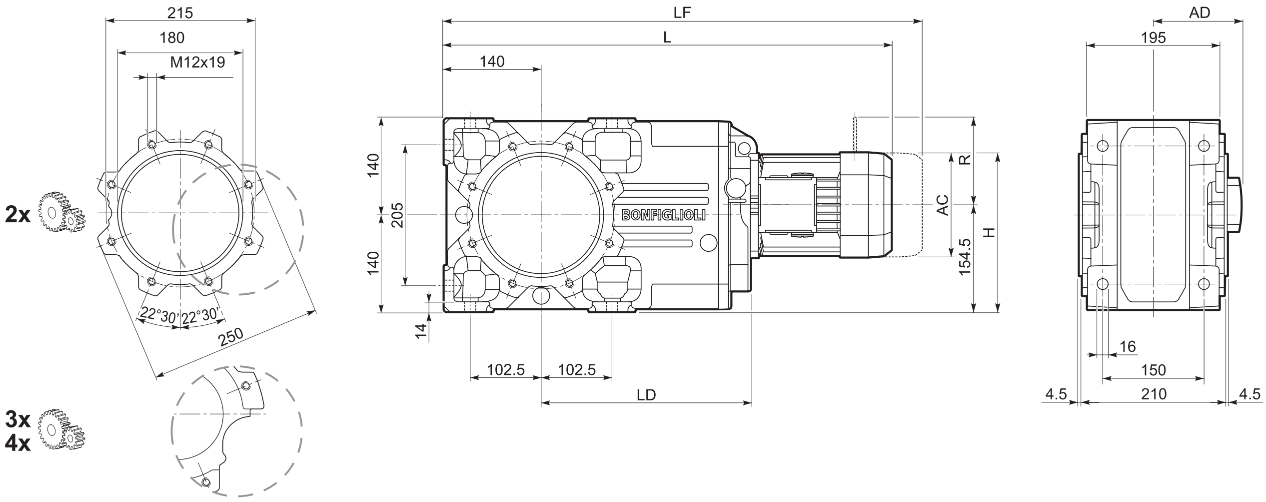
A 50...UV



* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

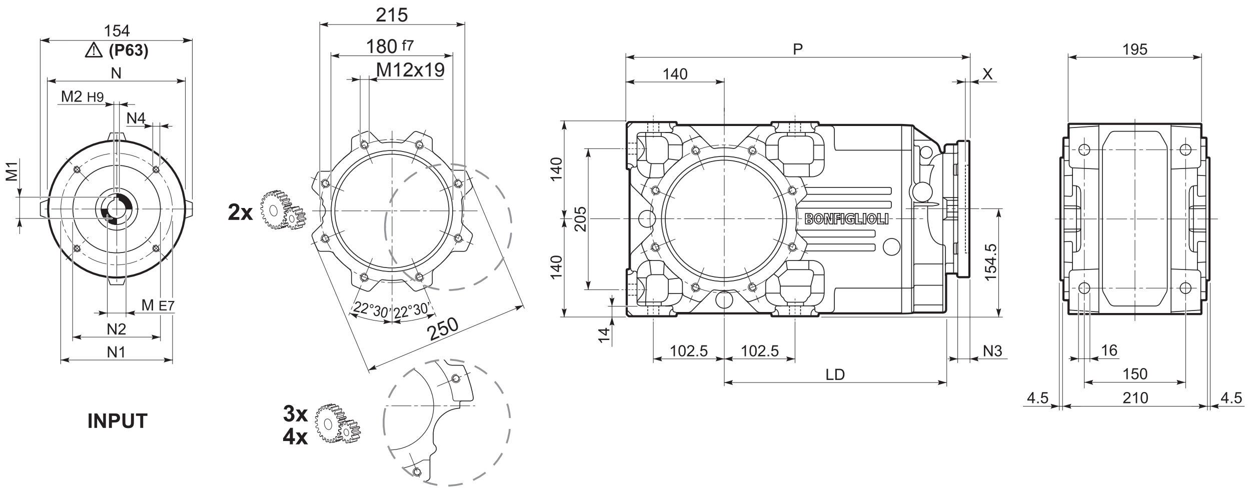


A 55...M/ME/MX



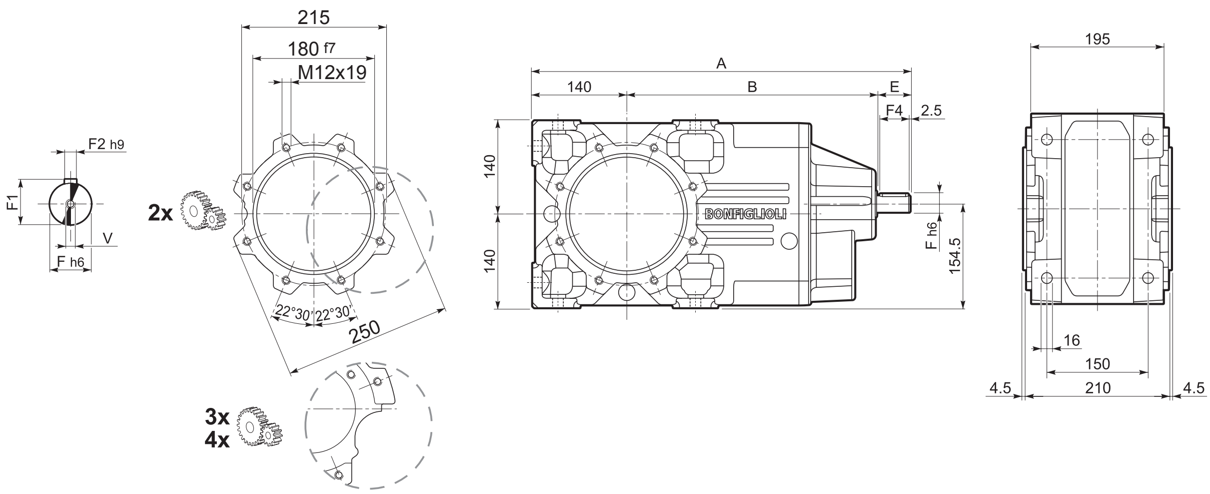
										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
A 55 3	S1	M1		138	198.5	627.5	—	108	81	688.5	84	103	135	124	108
A 55 2/3	S2	ME2S		156	232	656.5	302.5	119	88	—	—	—	—	—	—
A 55 2/3	S3	ME3S		195	251	699.5	317.5	142	94.5	—	—	—	—	—	—
A 55 2/3	S3	ME3L		195	251	731.5	317.5	142	101	—	—	—	—	—	—
A 55 2/3	S4	ME4	MX4	258	283	839.5	302.5	193	135	—	—	—	—	—	—
A 55 2/3	S4	ME4LB	MX4LA	258	283	874.5	302.5	193	143	—	—	—	—	—	—
A 55 2/3	S5	ME5S	MX5S	310	309.5	926	—	245	163	—	—	—	—	—	—
A 55 2/3	S5	ME5L	MX5L	310	309.5	970	—	245	179	—	—	—	—	—	—
A 55 4	S1	M1		138	223	699	—	108	82	760	85	103	135	124	108
A 55 4	S2	ME2S		156	232	728	—	119	86	—	—	—	—	—	—
A 55 4	S3	ME3S		195	251.5	771	—	142	92.5	—	—	—	—	—	—
A 55 4	S3	ME3L		195	251.5	803	—	142	98	—	—	—	—	—	—

A 55...P(IEC)

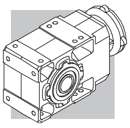


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 55 3	**P63**	302.5	11	12.8	4	140	115	95	—	M8x19	4	472.5	75
A 55 3	**P71**	302.5	14	16.3	5	160	130	110	—	M8x16	4.5	472.5	75
A 55 2/3	**P80**	317.5	19	21.8	6	200	165	130	—	M10x12	4	492	81
A 55 2/3	**P90**	317.5	24	27.3	8	200	165	130	—	M10x12	4	492	81
A 55 2/3	**P100**	302.5	28	31.3	8	250	215	180	—	M12x16	4.5	502	85
A 55 2/3	**P112**	302.5	28	31.3	8	250	215	180	—	M12x16	4.5	502	85
A 55 2/3	**P132**	302.5	38	41.3	10	300	265	230	16	14	5	538.5	93
A 55 2/3	**P160**	—	42	45.3	12	350	300	250	23	18	5.5	589	110
A 55 2/3	**P180**	—	48	51.8	14	350	300	250	23	18	5.5	589	110
A 55 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	544	77
A 55 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	544	77
A 55 4	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	563.5	78
A 55 4	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	563.5	78
A 55 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	573.5	82
A 55 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	573.5	82

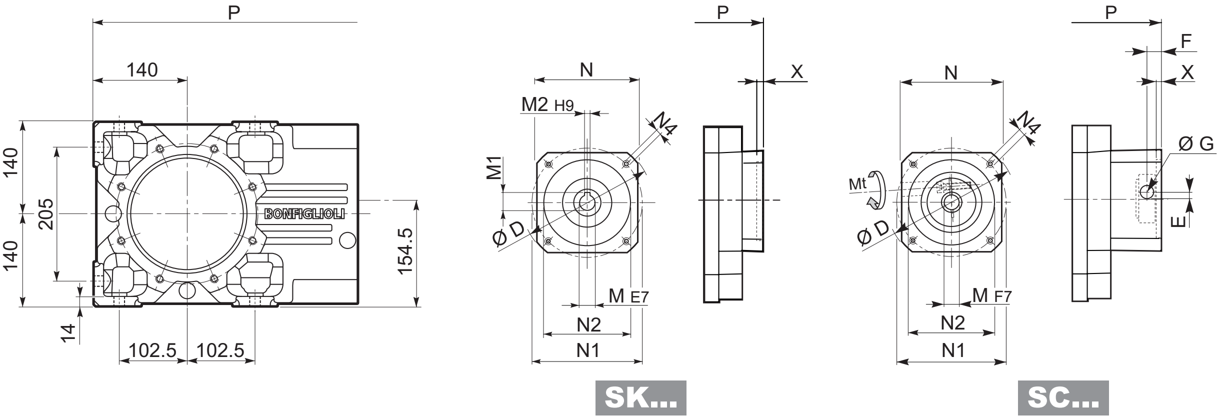
A 55...HS



		A	B	E	F	F1	F2	F3	F4	V	Kg
A 55 2		561.5	371.5	50	24	27	8	2.5	45	M8x19	96
A 55 3	**HS**	561.5	371.5	50	24	27	8	2.5	45	M8x19	91
A 55 4		594	414	40	19	21.5	6	2.5	35	M6x16	92



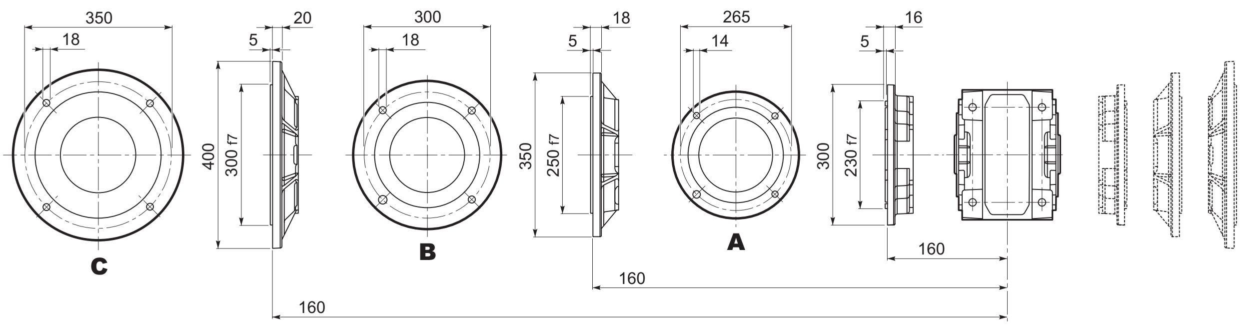
A 55...SK / SC

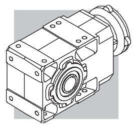


		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
A 55 3	SK80B	120	14	16.3	5	96	100	80	M6x12	4	492	—	81
A 55 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	492	563.5	81/81/77
A 55 3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	492	563.5	81/81/77
A 55 2/3/4	SK110A	150	19	21.8	6	120	130	110	M8x12	5	492	593	81/81/78
A 55 2/3/4	SK110B	150	24	27.3	8	120	130	110	M8x12	5	492	593	81/81/78
A 55 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	492	593	83/83/79
A 55 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	538.5	—	90/90
A 55 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	538.5	—	90/90
A 55 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	538.5	—	90/90

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 3x	Kg
A 55 3	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	515.5	—	82
A 55 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	515.5	587	82/82/78
A 55 3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	515.5	587	82/82/78
A 55 2/3/4	SC110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	515.5	587	83/83/79
A 55 2/3/4	SC110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	515.5	587	83/83/79
A 55 2/3/4	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	515.5	587	84/84/80
A 55 2/3	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	561.5	—	93/93
A 55 2/3	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	565.5	—	93/93
A 55 2/3	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	565.5	—	93/93

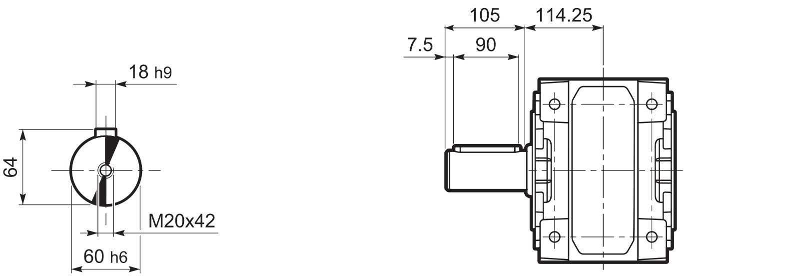
A 55...F...



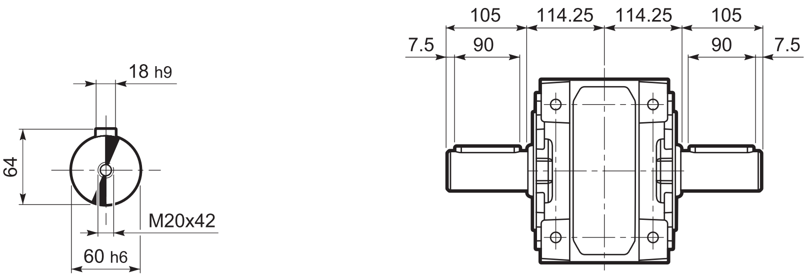


A 55

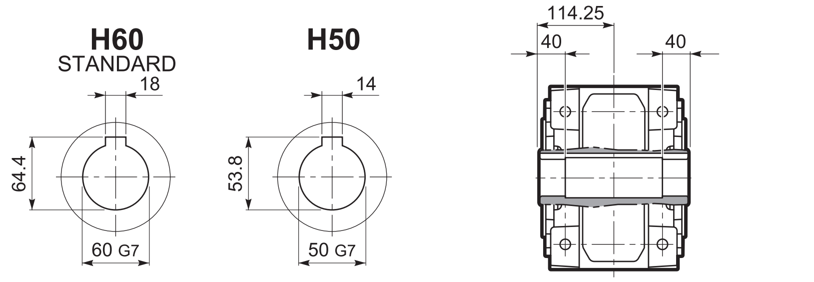
A 55...UR



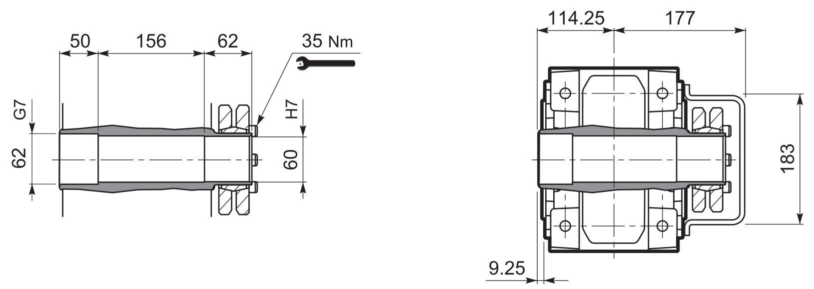
A 55...UD



A 55...UH



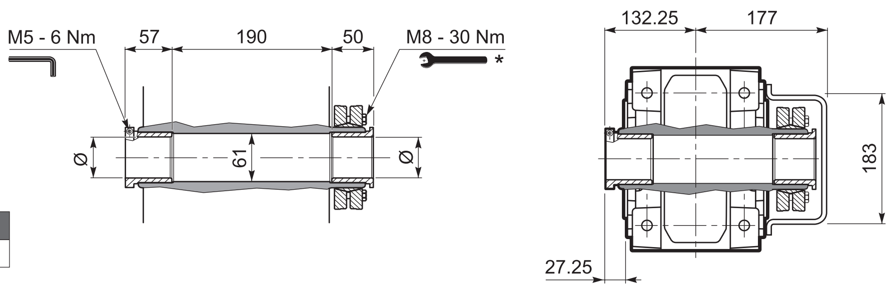
A 55...US



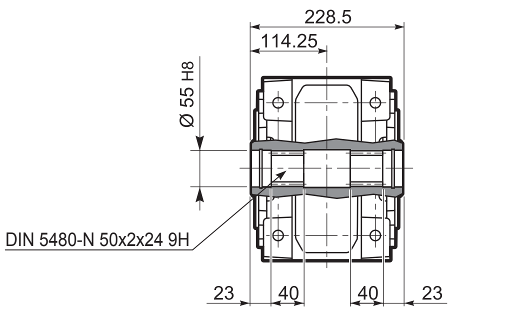
A 55...QF

	Ø
QF55	55
QF60	60

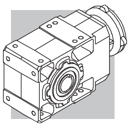
$M_{n2\ max}$ [Nm]	
A 55 QF55	1900



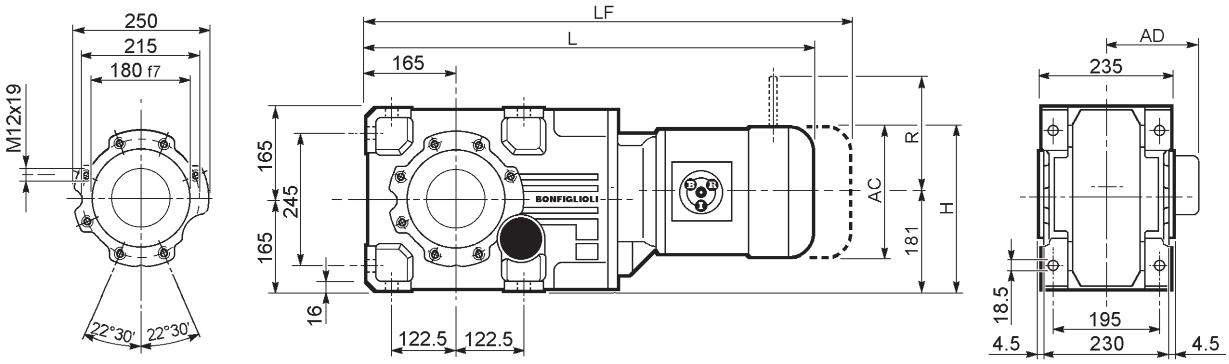
A 55...UV



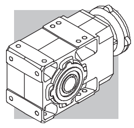
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



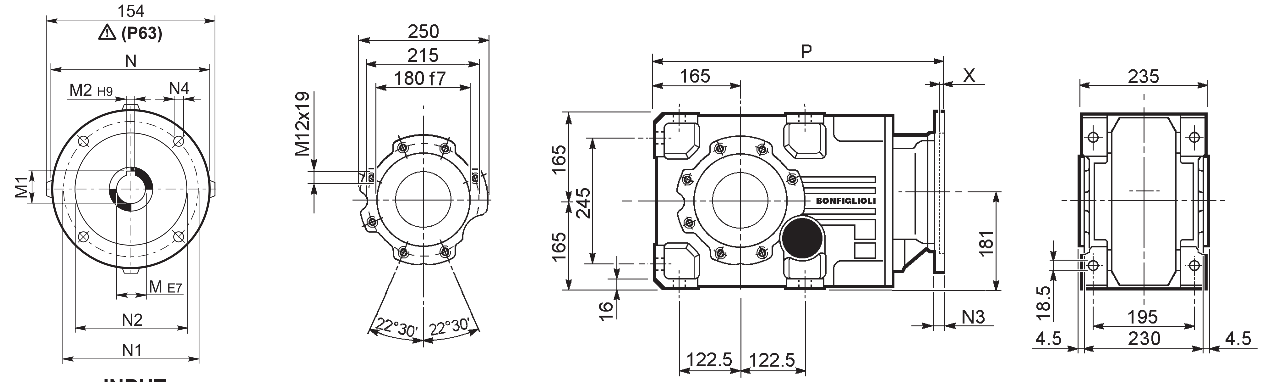
A 60...M/ME/MX



				AC	H	L	AD	Kg	M...FD M...FA LF	M...FD M...FA Kg	M...FD R	M...FD AD	M...FA R	M...FA AD
A 60 2/3	**S2**	**ME2S**		156	256.5	700.5	119	98	—	—	—	—	—	—
A 60 2/3	**S3**	**ME3S**		195	276	743.5	142	103	—	—	—	—	—	—
A 60 2/3	**S3**	**ME3L**		195	276	775.5	142	111	—	—	—	—	—	—
A 60 2/3	**S4**	**ME4**	**MX4**	258	307.5	883.5	193	145	—	—	—	—	—	—
A 60 2/3	**S4**	**ME4LB**	**MX4LA**	258	307.5	918.5	193	153	—	—	—	—	—	—
A 60 2/3	**S5**	**ME5S**	**MX5S**	310	333.5	970	245	173	—	—	—	—	—	—
A 60 2/3	**S5**	**ME5L**	**MX5L**	310	333.5	1014	245	189	—	—	—	—	—	—
A 60 4	**S1**	**M1**		138	247.5	742	108	100	803	103	103	135	124	108
A 60 4	**S2**	**ME2S**		156	256.5	771	119	104	—	—	—	—	—	—
A 60 4	**S3**	**ME3S**		195	276	814	142	109	—	—	—	—	—	—
A 60 4	**S3**	**ME3L**		195	276	846	142	117	—	—	—	—	—	—



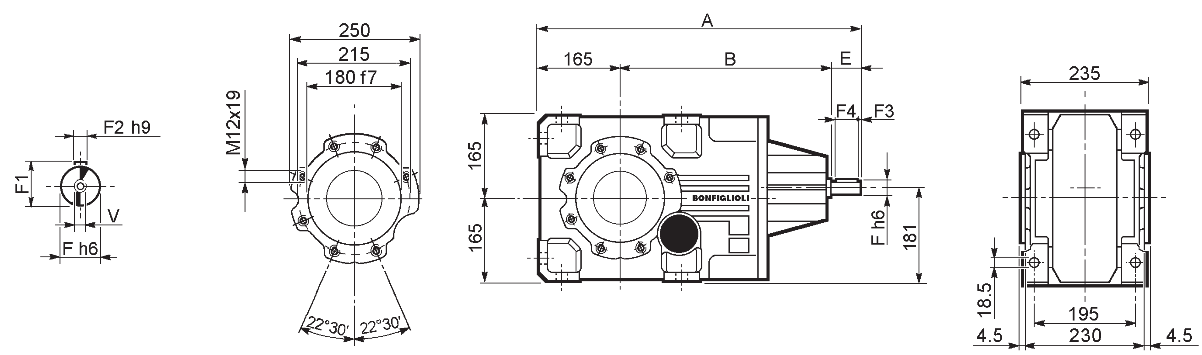
A 60...P(IEC)



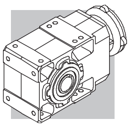
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 60 3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	516.5	90
A 60 3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	516.5	90
A 60 2/3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	536	91
A 60 2/3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	536	91
A 60 2/3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	546	95
A 60 2/3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	546	95
A 60 2/3	**P132**	38	41.3	10	300	265	230	16	14	5	582.5	104
A 60 2/3	**P160**	42	45.3	12	350	300	250	23	18	5.5	633	121
A 60 2/3	**P180**	48	51.8	14	350	300	250	23	18	5.5	633	121
A 60 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	587	88
A 60 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	587	88
A 60 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	606.5	90
A 60 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	606.5	90
A 60 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	616.5	94
A 60 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	616.5	94

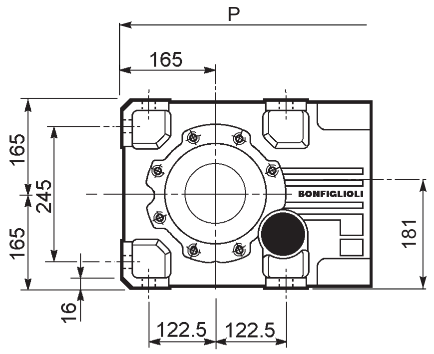
A 60...HS

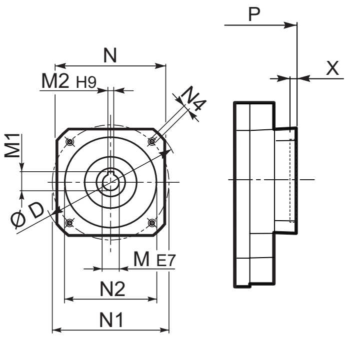


		A	B	E	F	F1	F2	F3	F4	V	Kg
A 60 2		633	408	60	28	31	8	5.0	50	M10x22	106
A 60 3	**HS**	633	408	60	28	31	8	5.0	50	M10x22	106
A 60 4		676	461	50	24	27	8	2.5	45	M8x19	112

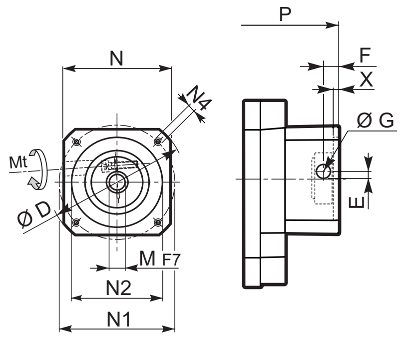


A 60...SK / SC





SK...

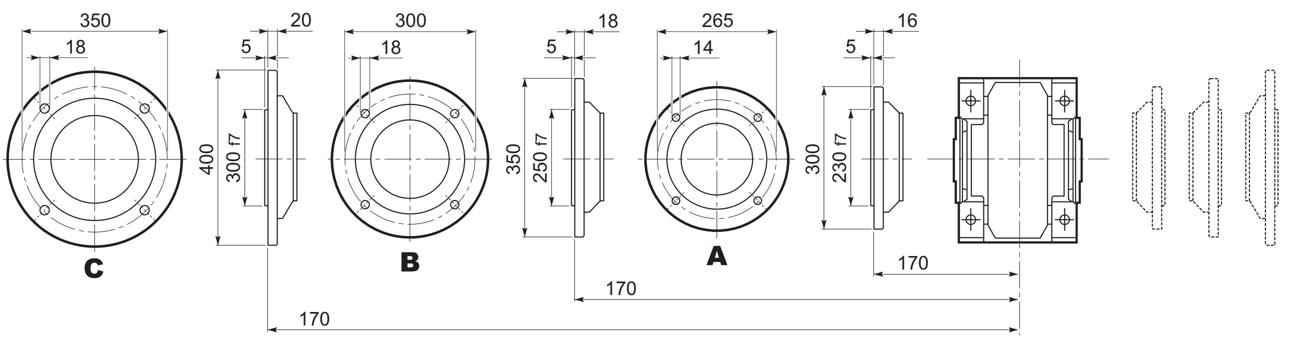


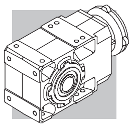
SC...

		D	M	M1	M2	N	N1	N2	N4	X	P 2/3x	P 4x	Kg
A 60 4	SK80B	120	14	16.3	5	96	100	80	M6x12	4	—	606.5	89
A 60 2/3/4	SK80C	120	19	21.8	6	96	100	80	M6x12	4	536	606.5	93/93/92
A 60 2/3/4	SK95A	130	14	16.3	5	102	115	95	M8x12	4	536	606.5	93/93/92
A 60 2/3/4	SK95B	130	19	21.8	6	102	115	95	M8x12	4	536	606.5	93/93/92
A 60 2/3/4	SK95C	130	24	27.3	8	102	115	95	M8x12	4	536	606.5	93/93/92
A 60 2/3/4	SK110A	140	19	21.8	6	120	130	110	M8x12	5	536	606.5	93/93/92
A 60 2/3/4	SK110B	140	24	27.3	8	120	130	110	M8x12	5	536	606.5	93/93/92
A 60 2/3/4	SK130A	188	24	27.3	8	142	165	130	M10x20	5	536	606.5	97/97/103
A 60 2/3	SK130B	189	32	35.3	10	160	165	130	M10x20	5	582.5	—	102/102
A 60 2/3	SK180A	240	32	35.3	10	192	215	180	M12x19	5	582.5	—	102/102
A 60 2/3	SK180B	240	38	41.3	10	192	215	180	M12x19	5	582.5	—	102/102

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P 2/3x	P 3x	Kg
A 60 4	SC80B	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	—	630	90
A 60 2/3/4	SC80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	559.5	630	94/94/93
A 60 2/3/4	SC95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	559.5	630	94/94/93
A 60 2/3/4	SC95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	559.5	630	94/94/93
A 60 2/3/4	SC95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	559.5	630	94/94/93
A 60 2/3/4	SC110A	M6	15	140	16.5	16	17.75	19	120	130	110	M8x16	5	559.5	630	95/95/93
A 60 2/3/4	SC110B	M6	15	140	16.5	16	17.75	24	120	130	110	M8x16	5	559.5	630	95/95/93
A 60 2/3/4	SC130A	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	559.5	630	96/96/104
A 60 2/3	SC130B	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	605.5	—	105/105
A 60 2/3	SC180A	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	609.5	—	105/105
A 60 2/3	SC180B	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	609.5	—	105/105

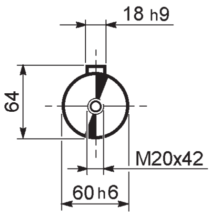
A 60...F...

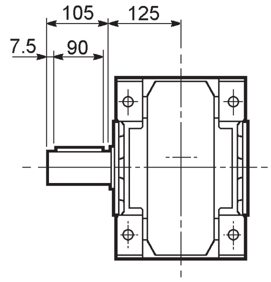




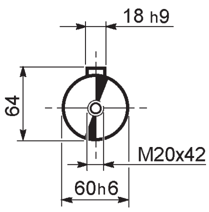
A 60

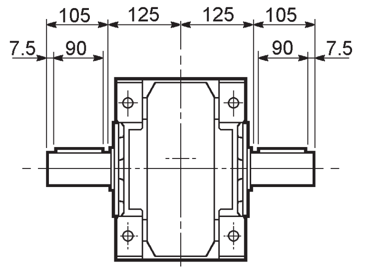
A 60...UR



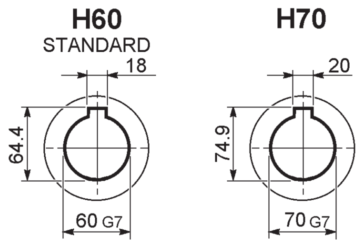


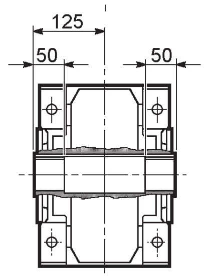
A 60...UD



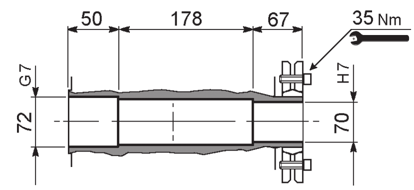


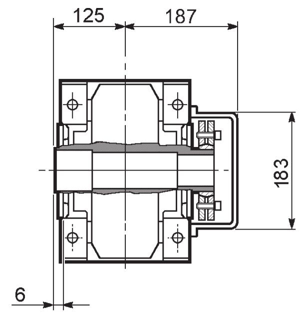
A 60...UH





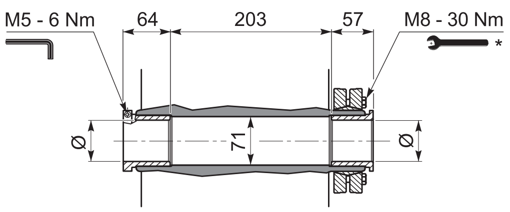
A 60...US

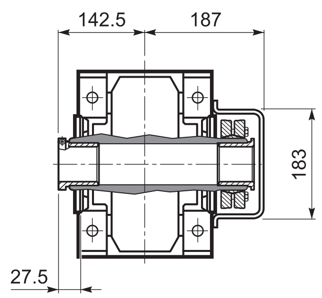




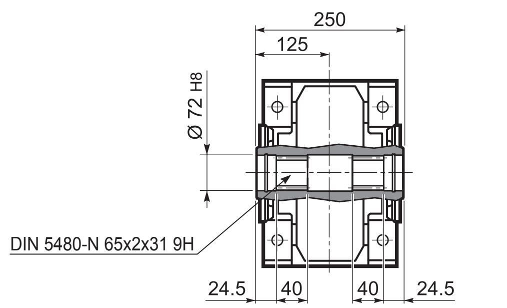
A 60...QF

	Ø
QF60	60
QF65	65
QF70	70

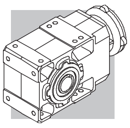




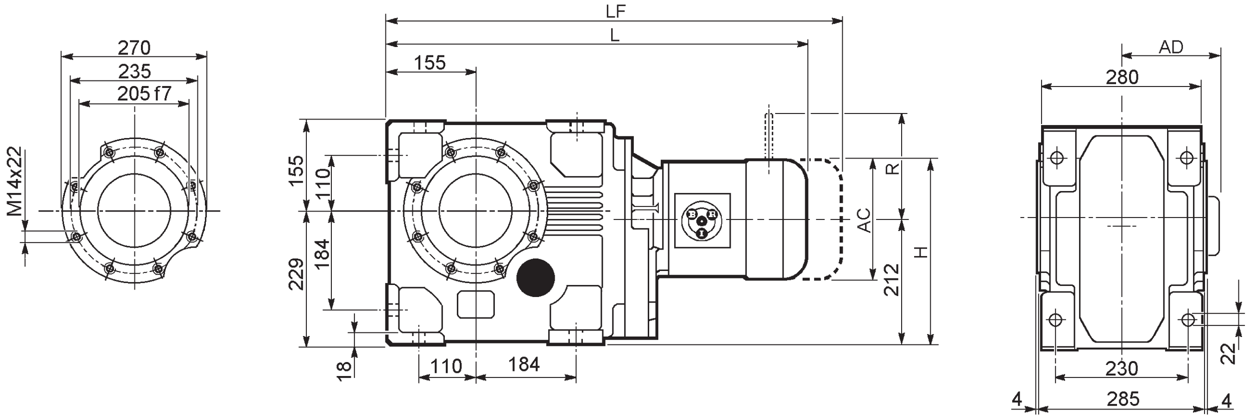
A 60...UV



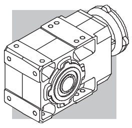
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



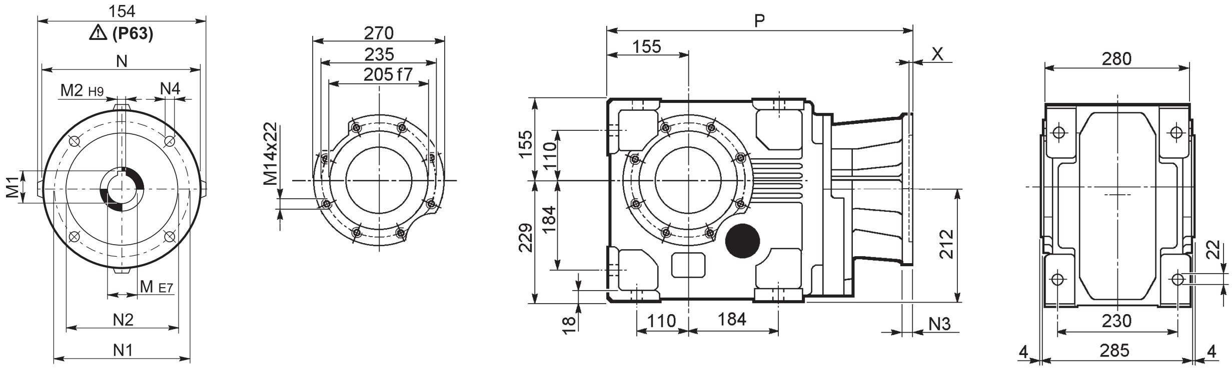
A 70...M/ME/MX



				AC	H	L	AD	Kg	M...FD M...FA LF	M...FD M...FA Kg	M...FD R	M...FD AD	M...FA R	M...FA AD
A 70 3	**S2**	**ME2S**		156	290	688.5	119	152	—	—	—	—	—	—
A 70 3	**S3**	**ME3S**		195	309.5	731.5	142	158.5	—	—	—	—	—	—
A 70 3	**S3**	**ME3L**		195	309.5	763.5	142	164	—	—	—	—	—	—
A 70 3	**S4**	**ME4**	**MX4**	258	341	872.5	193	198	—	—	—	—	—	—
A 70 3	**S4**	**ME4LB**	**MX4LA**	258	341	907.5	193	206	—	—	—	—	—	—
A 70 3	**S5**	**ME5S**	**MX5S**	310	367	958	245	226	—	—	—	—	—	—
A 70 3	**S5**	**ME5L**	**MX5L**	310	367	1002	245	242	—	—	—	—	—	—
A 70 4	**S1**	**M1**		138	281	710.5	108	152	771.5	155	103	135	124	108
A 70 4	**S2**	**ME2S**		156	290	739.5	119	156	—	—	—	—	—	—
A 70 4	**S3**	**ME3S**		195	309.5	782.5	142	162.5	—	—	—	—	—	—
A 70 4	**S3**	**ME3L**		195	309.5	814.5	142	168	—	—	—	—	—	—
A 70 4	**S4**	**ME4**	**MX4**	258	341	922.5	193	202	—	—	—	—	—	—
A 70 4	**S4**	**ME4LB**	**MX4LA**	258	341	957.5	193	210	—	—	—	—	—	—



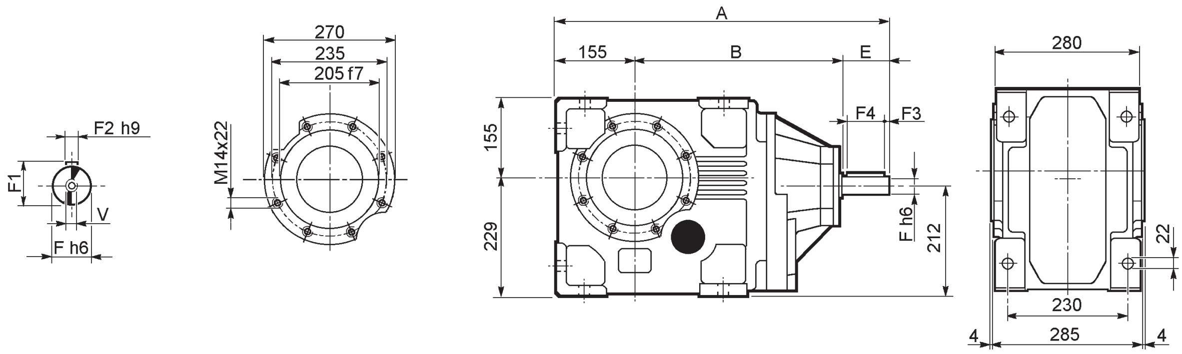
A 70...P (IEC)



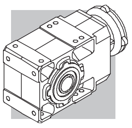
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 70 3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	524	144
A 70 3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	524	144
A 70 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	534	146
A 70 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	534	146
A 70 3	**P132**	38	41.3	10	300	265	230	16	14	5	570.5	154
A 70 3	**P160**	42	45.3	12	350	300	250	23	18	6	626	169
A 70 3	**P180**	48	51.8	14	350	300	250	23	18	6	626	169
A 70 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	651	179
A 70 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	555.5	146
A 70 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	555.5	146
A 70 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	575	147
A 70 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	575	147
A 70 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	585	148
A 70 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	585	148
A 70 4	**P132**	38	41.3	10	300	265	230	16	14	5	618.5	157

A 70...HS

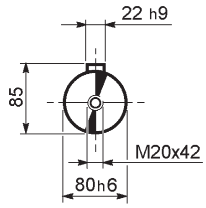


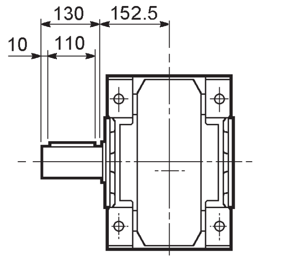
		A	B	E	F	F1	F2	F3	F4	V	Kg
A 70 3	**HS**	708.5	443.5	110	42	45	12	10	90	M12x28	165
A 70 4		644.5	439.5	50	24	27	8	2.5	45	M8x19	149



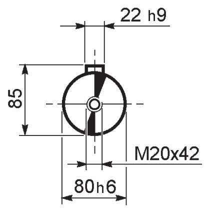
A 70

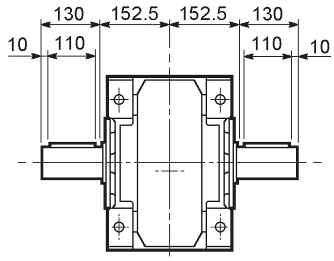
A 70...UR





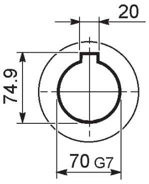
A 70...UD



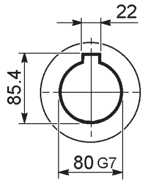


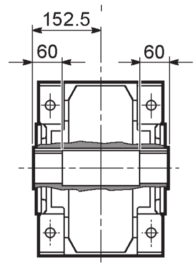
A 70...UH

H70
STANDARD

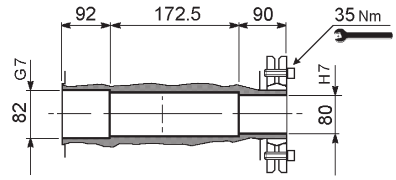


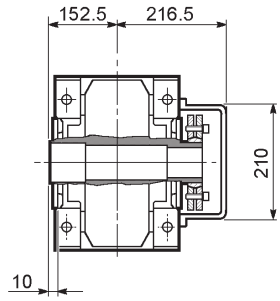
H80



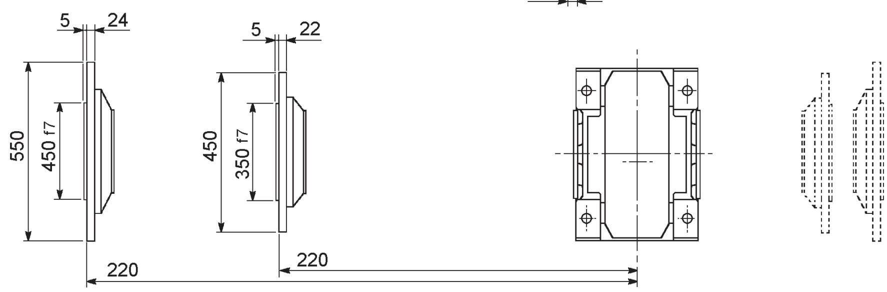


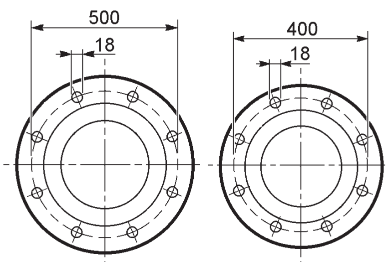
A 70...US



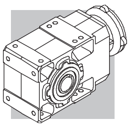


A 70...F...

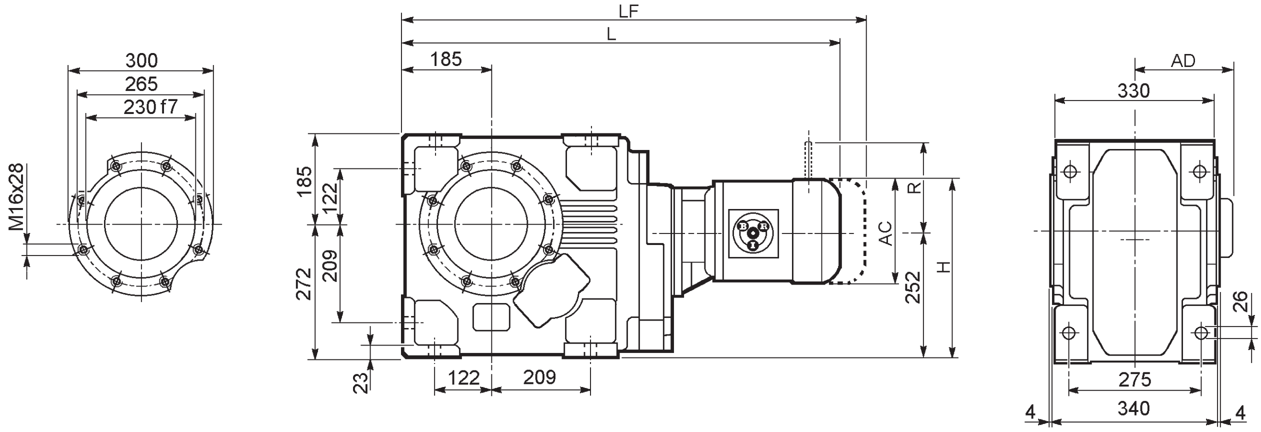




B **A**

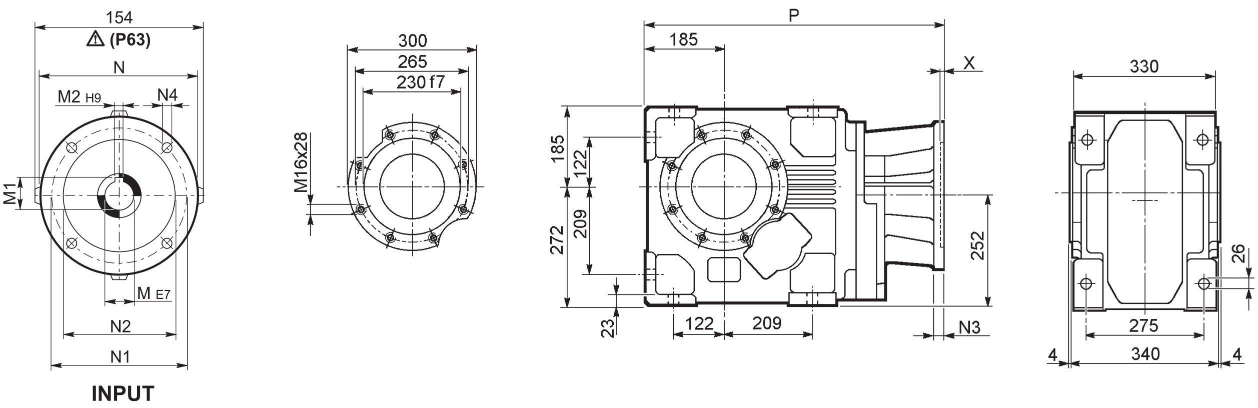


A 80...M/ME/MX



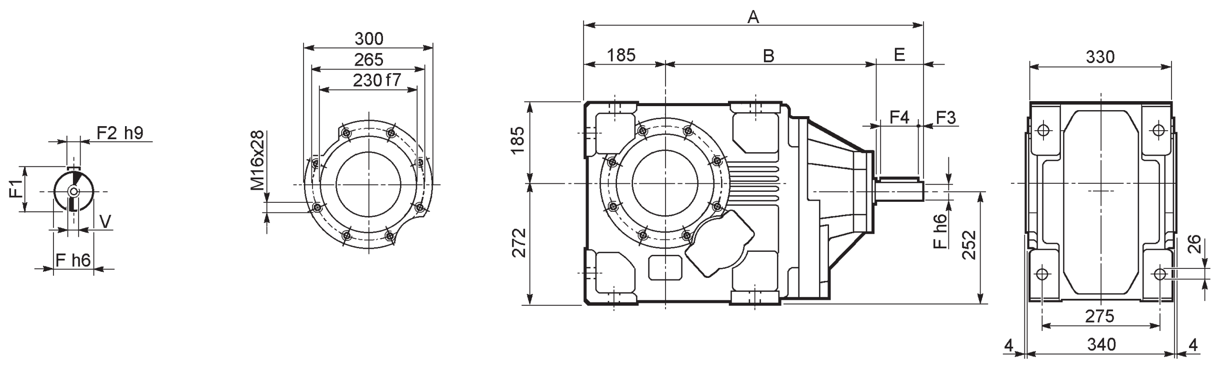
									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
A 80 3	**S3**	**ME3S**		195	349.5	809.5	142	257.5	—	—	—	—	—	—
A 80 3	**S3**	**ME3L**		195	349.5	841.5	142	264	—	—	—	—	—	—
A 80 3	**S4**	**ME4**	**MX4**	258	381	949.5	193	298	—	—	—	—	—	—
A 80 3	**S4**	**ME4LB**	**MX4LA**	258	381	984.5	193	306	—	—	—	—	—	—
A 80 3	**S5**	**ME5S**	**MX5S**	310	407	1036	245	326	—	—	—	—	—	—
A 80 3	**S5**	**ME5L**	**MX5L**	310	407	1080	245	342	—	—	—	—	—	—
A 80 4	**S1**	**M1**		138	321	800.5	108	246	861.5	249	103	135	124	108
A 80 4	**S2**	**M2S**		156	330	829.5	119	250	899.5	254	129	146	134	119
A 80 4	**S2**	**ME2S**		156	330	829.5	119	250	—	—	—	—	—	—
A 80 4	**S3**	**ME3S**		195	349.5	872.5	142	256.5	—	—	—	—	—	—
A 80 4	**S3**	**ME3L**		195	349.5	904.5	142	262	—	—	—	—	—	—
A 80 4	**S4**	**ME4**	**MX4**	258	381	1012.5	193	296	—	—	—	—	—	—
A 80 4	**S4**	**ME4LB**	**MX4LA**	258	381	1047.5	193	304	—	—	—	—	—	—

A 80...P(IEC)



		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 80 3	P80	19	21.8	6	200	165	130	—	M10x12	4	602	243
A 80 3	P90	24	27.3	8	200	165	130	—	M10x12	4	602	243
A 80 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	612	245
A 80 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	612	245
A 80 3	P132	38	41.3	10	300	265	230	16	14	5	648.5	253
A 80 3	P160	42	45.3	12	350	300	250	23	18	6	704	268
A 80 3	P180	48	51.8	14	350	300	250	23	18	6	704	268
A 80 3	P200	55	59.3	16	400	350	300	—	M16x25	7	729	279
A 80 3	P225	60	64.4	18	450	400	350	25	18	6	774.5	298
A 80 4	P63	11	12.8	4	140	115	95	—	M8x19	4	645.5	248
A 80 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	645.5	248
A 80 4	P80	19	21.8	6	200	165	130	—	M10x12	4	665	249
A 80 4	P90	24	27.3	8	200	165	130	—	M10x12	4	665	249
A 80 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	675	250
A 80 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	675	250
A 80 4	P132	38	41.3	10	300	265	230	16	M12x16	5	711.5	259

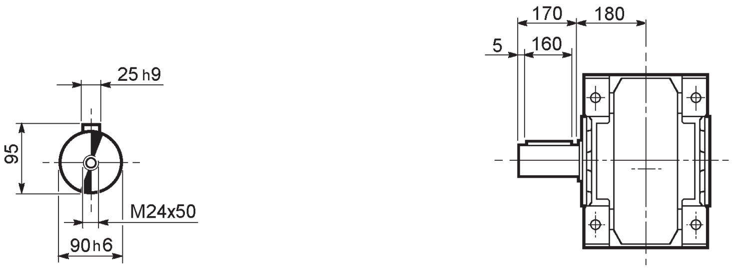
A 80...HS



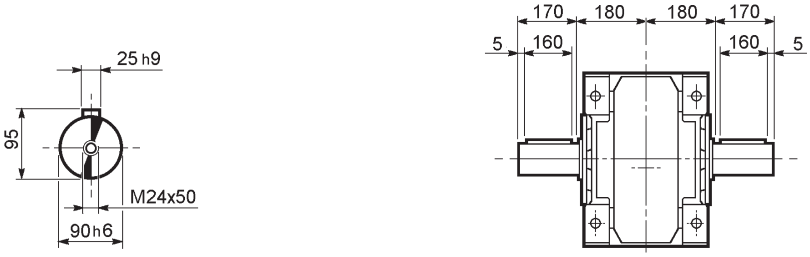
		A	B	E	F	F1	F2	F3	F4	V	Kg
A 80 3	HS	786.5	491.5	110	42	45	12	10	90	M12x28	265
A 80 4		735	500	50	24	27	8	2.5	45	M8x19	250

A 80

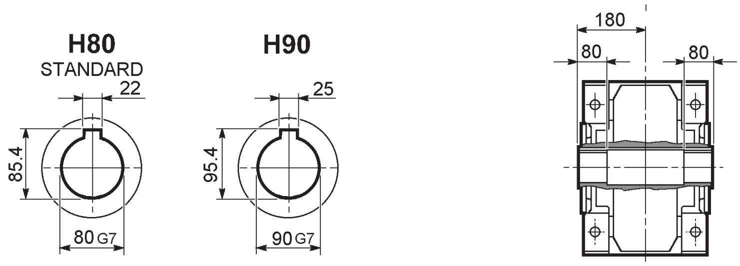
A 80...UR



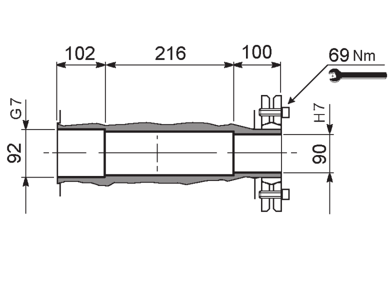
A 80...UD



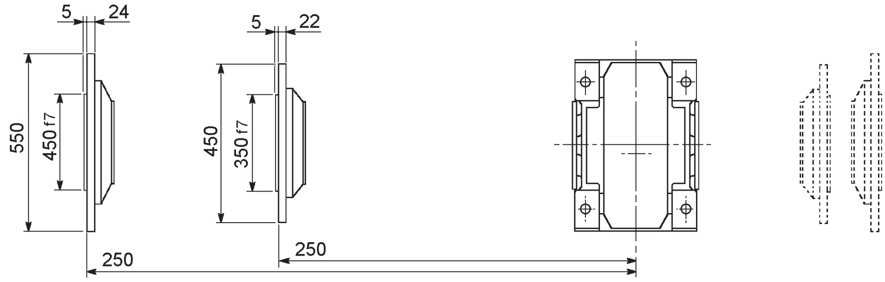
A 80...UH

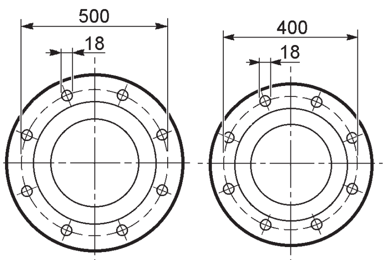


A 80...US

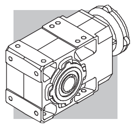


A 80...F...

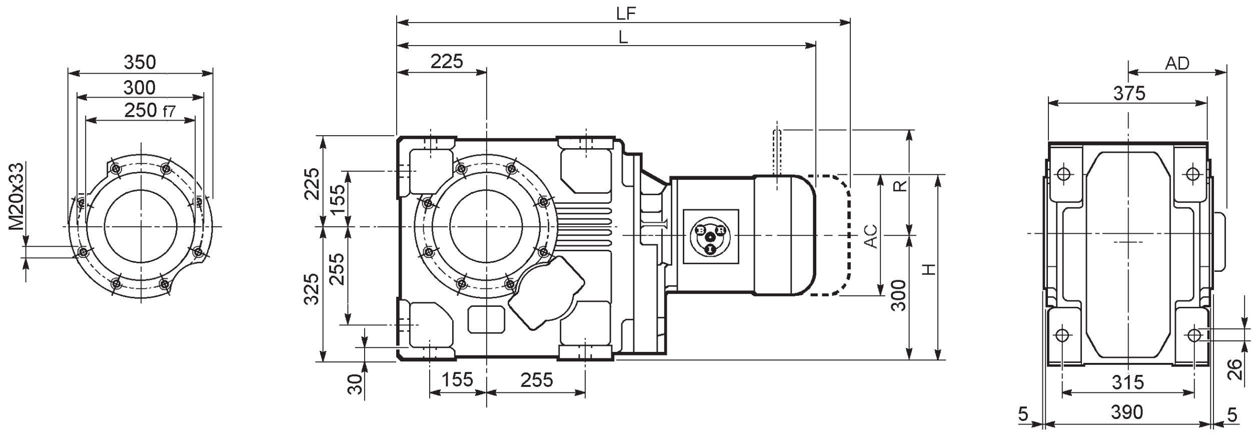




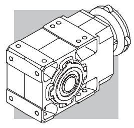
B **A**



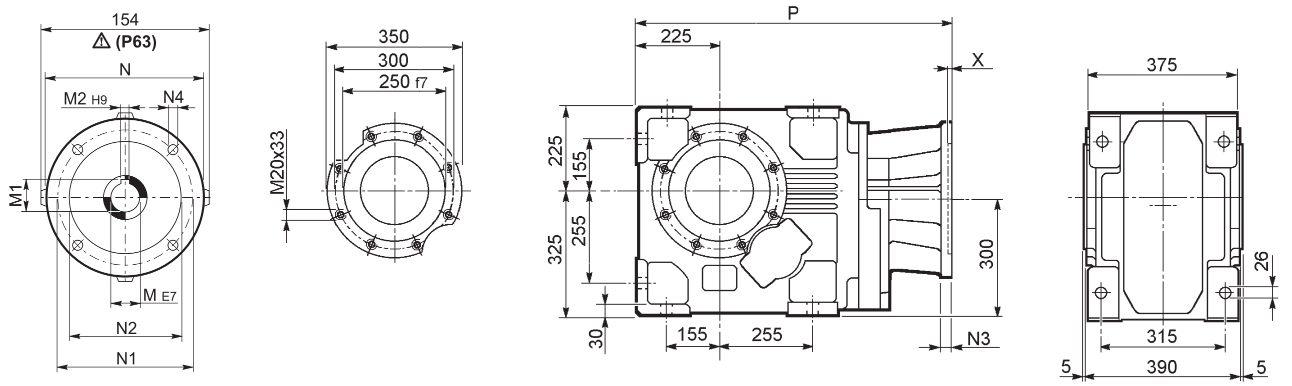
A 90...M/ME/MX



									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
A 90 3	**S3**	**ME3S**		195	397.5	930.5	142	414.5	—	—	—	—	—	—
A 90 3	**S3**	**ME3L**		195	397.5	962.5	142	420	—	—	—	—	—	—
A 90 3	**S4**	**ME4**	**MX4**	258	429	1070.5	193	454	—	—	—	—	—	—
A 90 3	**S4**	**ME4LB**	**MX4LA**	258	429	1105.5	193	462	—	—	—	—	—	—
A 90 3	**S5**	**ME5S**	**MX5S**	310	455	1157	245	482	—	—	—	—	—	—
A 90 3	**S5**	**ME5L**	**MX5L**	310	455	1201	245	498	—	—	—	—	—	—
A 90 4	**S1**	**M1**		138	369	941.5	108	412	1002.5	249	103	135	124	108
A 90 4	**S2**	**M2S**		156	378	970.5	119	422	1040.5	426	129	146	134	119
A 90 4	**S2**	**ME2S**		156	378	970.5	119	422	—	—	—	—	—	—
A 90 4	**S3**	**ME3S**		195	397.5	1013.5	142	428.5	—	—	—	—	—	—
A 90 4	**S3**	**ME3L**		195	397.5	1045.5	142	434	—	—	—	—	—	—
A 90 4	**S4**	**ME4**	**MX4**	258	429	1153.5	193	468	—	—	—	—	—	—
A 90 4	**S4**	**ME4LB**	**MX4LA**	258	429	1188.5	193	476	—	—	—	—	—	—



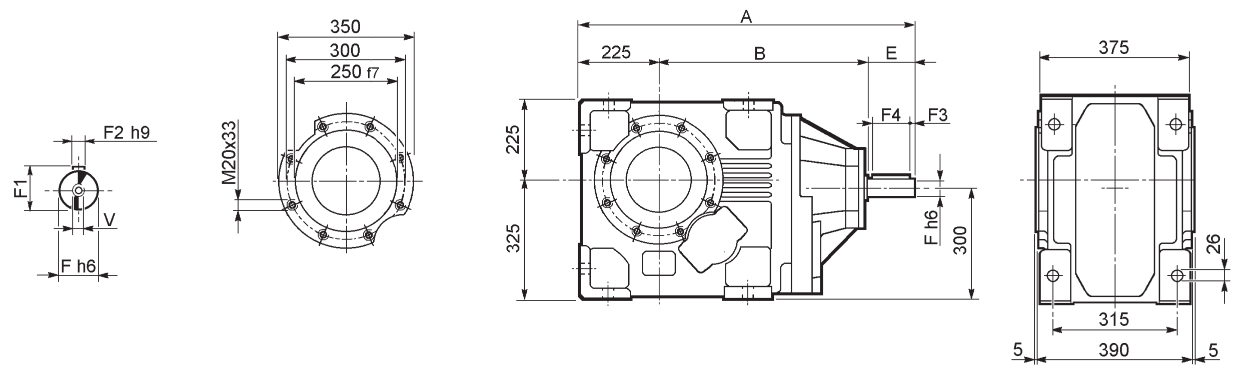
A 90...P (IEC)



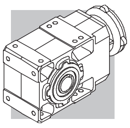
INPUT

		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
A 90 3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	723	400
A 90 3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	723	400
A 90 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	733	401
A 90 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	733	401
A 90 3	**P132**	38	41.3	10	300	265	230	16	14	5	769.5	409
A 90 3	**P160**	42	45.3	12	350	300	250	23	18	6	825	428
A 90 3	**P180**	48	51.8	14	350	300	250	23	18	6	825	429
A 90 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	850	436
A 90 3	**P225**	60	64.4	18	450	400	350	30	18	6	895.5	472
A 90 3	**P250**	65	69.4	18	550	500	450	30	18	6	925.5	475
A 90 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	786.5	411
A 90 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	786.5	412
A 90 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	806	413
A 90 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	806	413
A 90 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	816	415
A 90 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	816	415
A 90 4	**P132**	38	41.3	10	300	265	230	16	14	5	852.5	423
A 90 4	**P160**	42	45.3	12	350	300	250	23	18	5.5	903	434
A 90 4	**P180**	48	51.8	14	350	300	250	23	18	5.5	903	434

A 90...HS

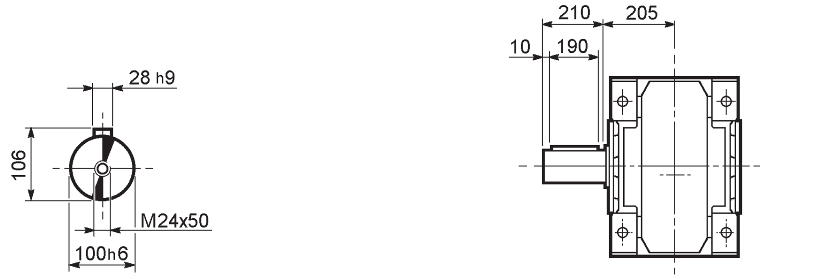


		A	B	E	F	F1	F2	F3	F4	V	Kg
A 90 3	**HS**	1009	644	140	60	64	18	10	120	M16x36	465
A 90 4		875.5	600.5	50	24	27	8	2.5	45	M8x19	415

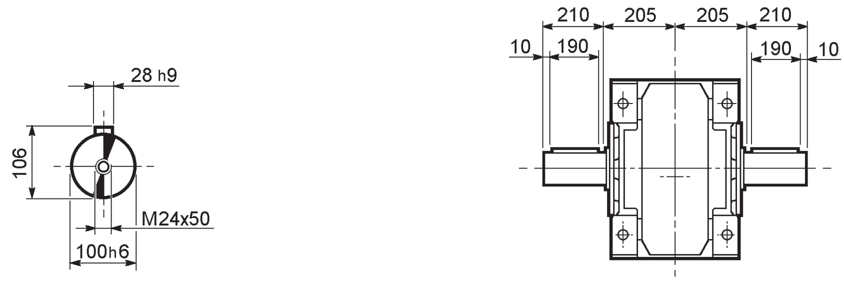


A 90

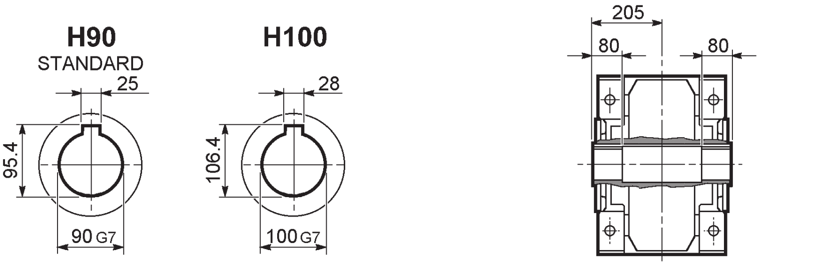
A 90...UR



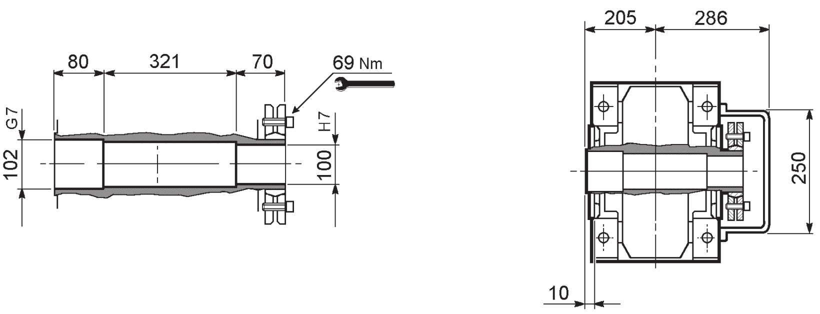
A 90...UD



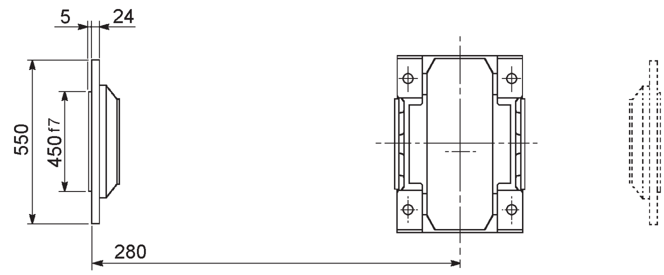
A 90...UH

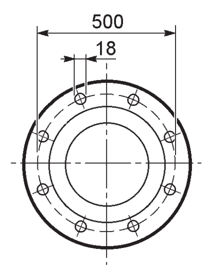


A 90...US



A 90...F...





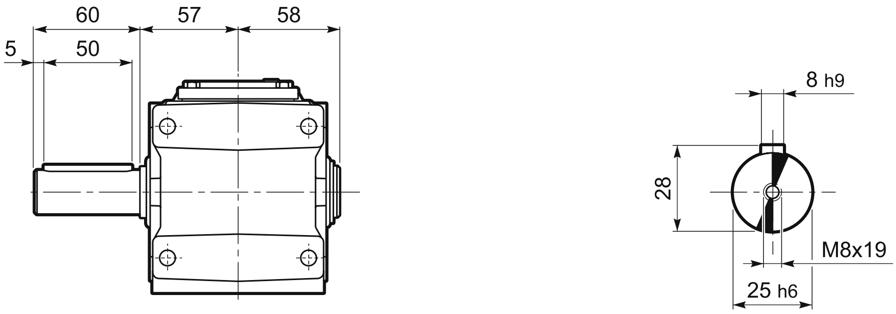
A

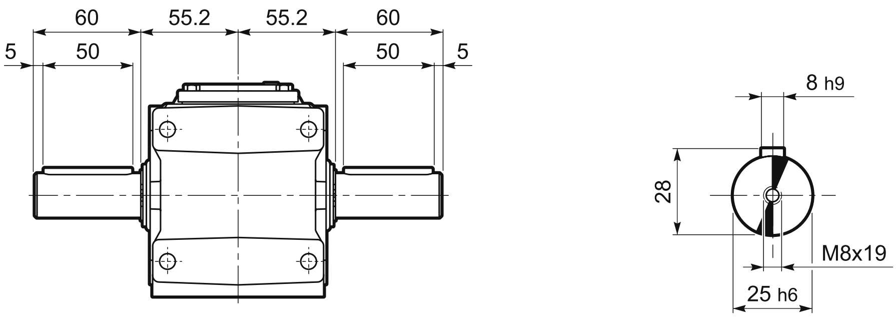
45 ACCESSORI

45.1 Albero lento riportato A 05

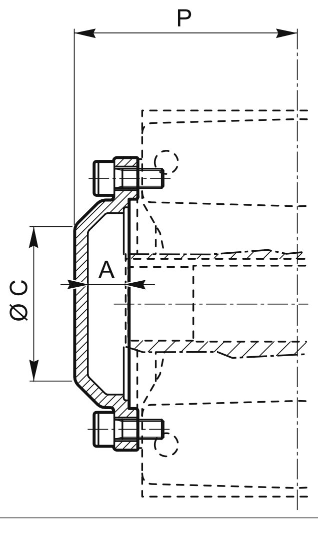
Per il riduttore A 05 è disponibile un kit albero lento contenente: albero, anello elastico, rondella e chiavette, sia in esecuzione monolaterale (**kit albero lento semplice A 05**) che bilaterale (**kit albero lento doppio A 05**).

L’albero semplice può essere montato su entrambi i lati del riduttore e non richiede nessuna particolare attrezzatura.

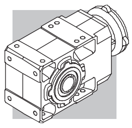




45.2 Coperchio di sicurezza

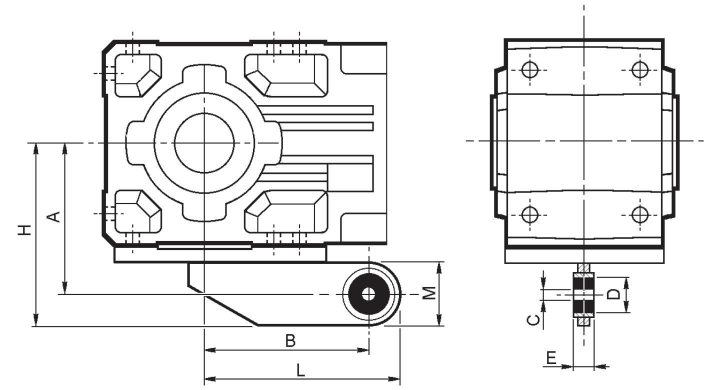


	A	Ø C	P
A 05	17.5	36	73.5
A 10	20.5	60	84.5
A 20	20	75	94
A 30	20	75	104
A 35	19.5	80	114
A 41	21	110	120
A 50	26	100	148.5
A 55	27	100	149
A 60	25	100	158
A 70	33.5	120	193.5
A 80	38	140	228
A 90	43	152	258

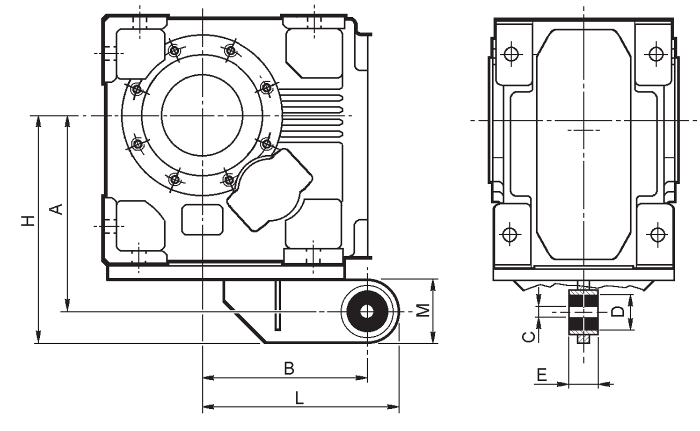


45.3 Braccio di reazione

Il braccio di reazione viene fornito completo di viti per il fissaggio.



	A	B	C	D	E	H	L	M
A 05	90.5	80	10	30	20	115.5	105	50
A 10	108	118	10	30	20	138	148	60
A 20	118	137	10	30	20	148	167	60
A 30	135	150	20	40	25	170	185	70
A 35	145	165	20	40	25	180	200	70
A 41	157	200	20	40	25	192	235	70
A 50	200	250	32	56	40	245	295	90
A 55	200	250	32	56	40	245	295	90
A 60	225	300	32	56	40	270	345	90



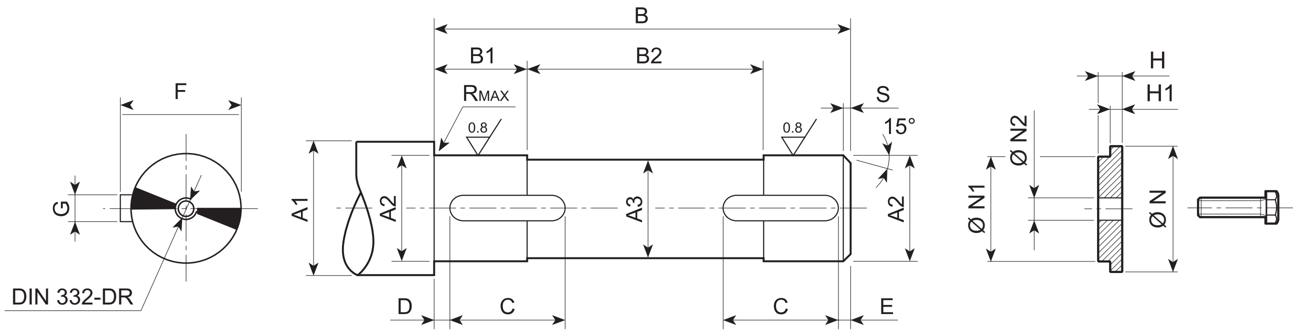
	A	B	C	D	E	H	L	M
A 70	289	250	32	56	40	334	295	90
A 80	357	300	42	78	60	422	365	130
A 90	410	350	42	78	60	475	415	130

46 ALBERO MACCHINA

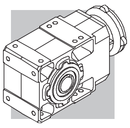
Si consiglia di realizzare l’albero condotto che si accoppierà con il riduttore con un acciaio di buona qualità, rispettando le dimensioni riportate in tabella.

Si suggerisce inoltre di completare il montaggio con un dispositivo di bloccaggio assiale dell’albero, ad esempio come illustrato nel seguito, avendo cura di verificare e dimensionare i vari componenti in funzione delle diverse esigenze applicative.

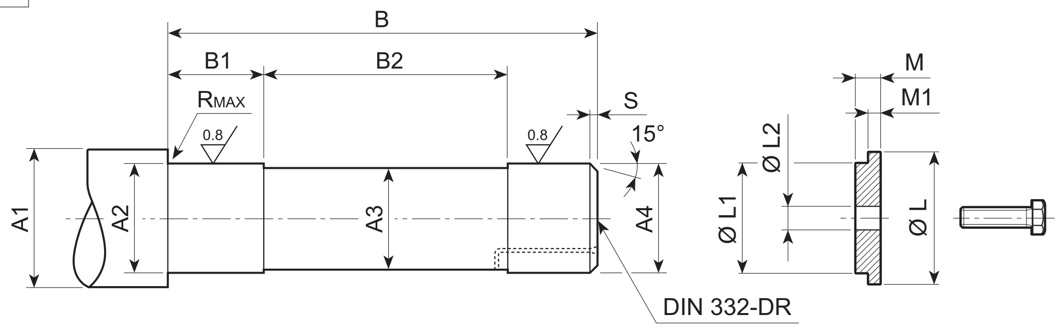
UH_



	A1	A2	A3	B	B1	B2	C	D	E	F	G	R	S	UNI 6604	N	N1	N2	H	H1	UNI 5739
A05 UH25	≥ 30	25 h7	24	102	21	62	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	35	25 d9	9	7	5.5	M8x25
A10 UH30	≥ 35	30 h7	29	118	16	87	20	2	2	33	8 h9	0.5	1.5	8x7x20 A	35	30 d9	11	8.5	7	M10x30
A10 UH25	≥ 30	25 h7	24	118	16	87	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	30÷35	25 d9	9	7	5.5	M8x25
A20 UH35	≥ 42	35 h7	34	138	20	98	20	2	2	38	10 h9	0.5	1.5	10x8x20 A	42	35 d9	11	8.5	7	M10x30
A20 UH30	≥ 35	30 h7	29	138	20	98	25	2	2	33	8 h9	0.5	1.5	8x7x25 A	35÷42	30 d9	11	8.5	7	M10x30
A30 UH40	≥ 47	40 h7	39	158	23	112	30	2	2	43	12 h9	0.5	1.5	12x8x30 A	47	40 d9	14	8.5	7	M12x35
A30 UH35	≥ 42	35 h7	34	158	23	112	30	2	2	38	10 h9	0.5	1.5	10x8x30 A	42÷47	35 d9	11	8.5	7	M10x30
A35 UH40	≥ 47	40 h7	39	175	33	109	40	2	2	43	12 h9	1	1.5	12x8x40 A	47	40 d9	14	8.5	7	M12x35
A35 UH35	≥ 42	35 h7	34	175	33	109	40	2	2	38	10 h9	1	1.5	10x8x40 A	42÷47	35 d9	11	8.5	7	M10x30
A41 UH45	≥ 52	45 h7	44	184	28	128	45	2.5	2.5	48.5	14 h9	1	2	14x9x45 A	52	45 d9	14	8.5	7	M12x35
A41 UH40	≥ 47	40 h7	39	184	28	128	50	2.5	2.5	43	12 h9	1	2	12x8x50 A	47÷52	40 d9	14	8.5	7	M12x35
A50 UH55	≥ 63	55 h7	54	226	37.5	151	55	2.5	2.5	59	16 h9	1	2	16x10x55 A	63	55 d9	22	10	8	M20x50
A50 UH50	≥ 57	50 h7	49	226	37.5	151	65	2.5	2.5	53.5	14 h9	1	2	14x9x65 A	57÷63	50 d9	18	10	8	M16x45
A55 UH60	≥ 70	60 h7	59	226	37.5	151	65	2.5	2.5	64	18 h9	2	2	18x11x65 A	70	60 d9	22	10	8	M20x50
A55 UH50	≥ 60	50 h7	49	226	37.5	151	75	2.5	2.5	53.5	14 h9	2	2	14x9x75 A	60÷70	50 d9	18	10	8	M16x45
A60 UH70	≥ 78	70 h7	69	248	48	152	70	2.5	2.5	74.5	20 h9	2.5	2	20x12x70 A	78	70 d9	22	10	8.5	M20x50
A60 UH60	≥ 68	60 h7	59	248	48	152	80	2.5	2.5	64	18 h9	2.5	2	18x11x80 A	68÷78	60 d9	22	10	8.5	M20x50
A70 UH80	v89	80 h7	79	303	58	187	90	3	3	85	22 h9	2.5	2.5	22x14x90 A	89	80 d9	22	10	8.5	M20x50
A70 UH70	≥ 78	70 h7	69	303	58	187	110	3	3	74.5	20 h9	2.5	2.5	20x12x110 A	78÷89	70 d9	22	10	8.5	M20x50
A80 UH90	≥ 99	90 h7	89	358	78	202	120	3	3	95	25 h9	2.5	2.5	25x14x120 A	99	90 d9	26	22	20.5	M24x70
A80 UH80	≥ 89	80 h7	79	358	78	202	130	3	3	85	22 h9	2.5	2.5	22x14x130 A	89÷99	80 d9	22	10	8.5	M20x50
A90 UH100	≥ 111	100 h7	99	408	78	252	160	3	3	106	28 h9	2.5	2.5	28x16x160 A	111	100 d9	26	22	20.5	M24x70
A90 UH90	≥ 99	90 h7	89	408	78	252	190	3	3	95	25 h9	2.5	2.5	25x14x190 A	99÷111	90 d9	26	22	20.5	M24x70

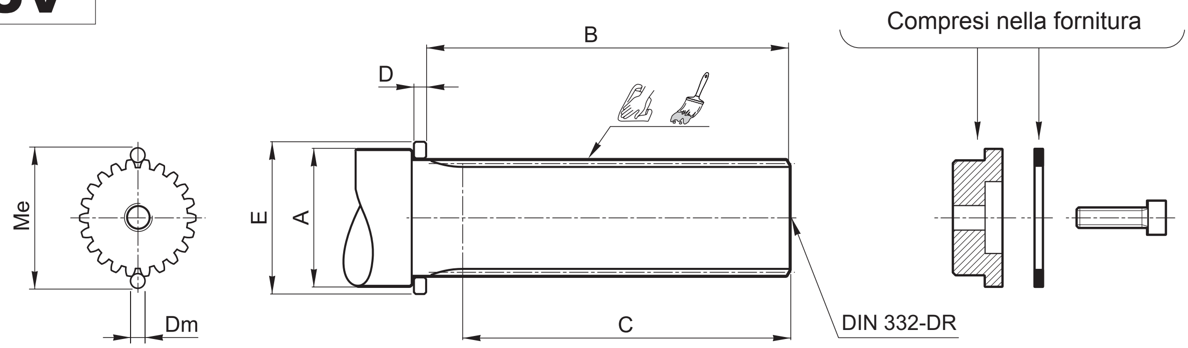


US

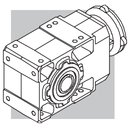


	A1	A2	A3	A4	B	B1	B2	R	S	L	L1	L2	M	M1	UNI 5739
A 05	≥ 35	27 h7	24	25 h6	129.5	32	63.5	0.5	1.5	29.5	25 d9	11	8.5	7	M10x30
A 10	≥ 42	32 h7	29	30 h6	147.5	34	77.5	0.5	1.5	35.5	30 d9	11	8.5	7	M10x30
A 20	≥ 48	37 h7	34	35 h6	170	40	89	0.5	1.5	43	35 d9	14	8.5	7	M12x35
A 30	≥ 54	42 h7	39	40 h6	191.5	48	95.5	0.5	1.5	49	40 d9	18	10	8.5	M16x45
A 35	≥ 54	42 h7	39	40 h6	208.5	48	112.5	0.5	1.5	49	40 d9	18	10	8.5	M16x45
A 41	≥ 60	47 h7	44	45 h6	222	53	117	1	2	54	45 d9	18	10	8.5	M16x45
A 50	≥ 72	57 h7	54	55 g6	264	46	156	1	2	72	55 d9	22	10	8.5	M20x50
A 55	≥ 72	62 h7	59	60 g6	266	46	158	2.5	2	72	60 d9	22	10	8.5	M20x50
A 60	≥ 90	72 h7	69	70 g6	293	48	178	2.5	2.5	85	70 d9	22	10	8.5	M20x50
A 70	≥ 104	82 h7	79	80 g6	352.5	90	172.5	2.5	2.5	95	80 d9	22	10	8.5	M20x50
A 80	≥ 114	92 h7	89	90 g6	416	100	216	2.5	2.5	105	90 d9	26	22	20.5	M24x70
A 90	≥ 126	102 h7	99	100 g6	469	78	321	2.5	2.5	120	100 d9	26	22	20.5	M24x70

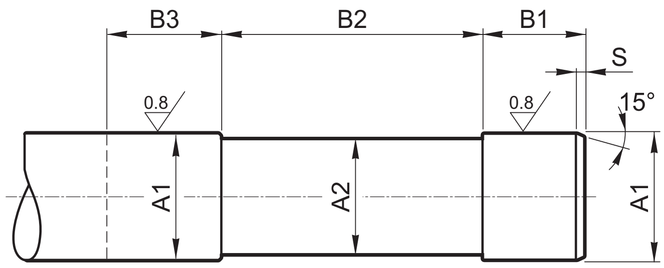
UV



	DIN 5480	Me	Dm	A	B	C	D	E	ISO 4762
A 20	30x1.25x22	33.04 +0/-0.04	2.75	≥ 40	111.5	≥ 95	7	45	M10x35
A 30	35x2x16	38.93 +0/-0.04	4	≥ 45	130.5	≥ 112	7	50	M12x40
A 35	35x2x16	38.93 +0/-0.04	4	≥ 45	147.5	≥ 129	7	50	M12x40
A 41	45x2x21	48.86 +0/-0.04	4	≥ 55	155.5	≥ 136	7	60	M16x45
A 50	50x2x24	54.14 +0/-0.05	4	≥ 60	196	≥ 175	7	65	M16x45
A 55	50x2x24	54.14 +0/-0.05	4	≥ 60	196	≥ 175	7	65	M16x45
A 60	65x2x31	68.97 +0 /-0.05	4	≥ 75	213.5	≥ 191	7	80	M20x55



QF



		A1	A2	B1	B2	B3	S
A 10	**QF25**	25 h6	24	41	95	≥ 50	1.5
	QF30	30 h6	29				
A 20	**QF25**	25 h6	24	41	115	≥ 50	1.5
	QF30	30 h6	29				
A 30	**QF35**	35 h6	34	45	130	≥ 54	1.5
	QF40	40 h6	39				
A 35	**QF35**	35 h6	34	45	146.5	≥ 54	1.5
	QF40	40 h6	39				
A 41	**QF40**	40 h6	39	47	151.5	≥ 56	2
	QF45	45 h6	44				
A 50	**QF50**	50 h6	49	48	197	≥ 57	2
	QF55	55 h6	54				
A 55	**QF55**	55 h6	54	50	190	≥ 59	2
	QF60	60 h6	59				
A 60	**QF60**	60 h6	59	57	203	≥ 66	2.5
	QF65	65 h6	64				
	QF70	70 h6	69				

47 INTRODUZIONE ALLE DIRETTIVE ATEX

47.1 Atmosfera esplosiva

Ai fini della direttiva 94/9/CE si intende per **atmosfera esplosiva** quella costituita da una miscela:

a. di **sostanze infiammabili** allo stato di gas, vapori, nebbie o polveri;
b. con **aria**;
c. in determinate condizioni atmosferiche;
d. in cui, dopo l'innesco, la combustione si propaga all'insieme della miscela incombusta (occorre notare che soprattutto in presenza di polvere, non sempre l'intera quantità di combustibile viene consumata dalla combustione).

Un'atmosfera suscettibile di trasformarsi in atmosfera esplosiva a causa delle condizioni locali e/o operative è definita **atmosfera potenzialmente esplosiva**. È solo a questo tipo di atmosfera potenzialmente esplosiva che sono destinati i prodotti oggetto della direttiva 94/9/CE.

47.2 Norme europee armonizzate atex

L'Unione Europea ha emanato due direttive guida di armonizzazione nel campo della salute e della sicurezza. Queste direttive sono conosciute come “ATEX 95” e “ATEX 137”.

La direttiva “ATEX 95” (EU/94/9/CE) descrive i requisiti minimi di sicurezza per i prodotti destinati all'uso in zone a rischio di esplosione, all'interno dei paesi dell'Unione Europea. La direttiva assegna inoltre questi apparecchi a **categorie**, definite dalla direttiva stessa.

La direttiva “ATEX 137” (EU/99/ 92/CE) riporta i requisiti minimi in riferimento alla salute e alla sicurezza dell'ambiente di lavoro, delle condizioni di lavoro, del maneggio di prodotti e sostanze in ambienti a rischio di esplosione. La direttiva inoltre divide gli ambienti di lavoro in **zone** e stabilisce i criteri per l'applicabilità delle **categorie** di prodotto nelle zone stesse. Segue uno schema descrittivo delle **zone** in cui il conduttore di un impianto caratterizzato dalla presenza di atmosfera potenzialmente esplosiva deve suddividere le aree di applicazione delle apparecchiature.

(C 1)

Zone		Frequenza della formazione di atmosfera potenzialmente esplosiva	Tipo di pericolo
Atmosfera gassosa G	Atmosfera polverosa D		
0	20	Presenza costante o per lunghi periodi	Permanente
1	21	Occasionale in funzionamento normale	Potenziale
2	22	Molto rara e/o di breve durata in funzionamento normale	Minimo

I riduttori di produzione BONFIGLIOLI RIDUTTORI selezionati dal presente catalogo sono idonei per installazione nelle zone 1, 21.

A richiesta sono fornibili riduttori idonei per installazione nelle zone 2, 22 contattando il ns. servizio Tecnico-Commerciale.

A partire dal 1 Luglio 2003 le direttive ATEX si applicano su tutto il territorio dell'Unione Europea sostituendo le leggi divergenti attualmente in vigore a livello nazionale ed europeo in materia di atmosfera esplosiva. È da sottolineare che, per la prima volta, le direttive si estendono anche agli apparecchi di natura meccanica, idraulica e pneumatica, e non più solamente alle apparecchiature elettriche, come fino ad oggi contemplato.
In rapporto alla Direttiva Macchine 2006/42/CE bisogna precisare che la direttiva 94/9/CE si pone come un complesso di requisiti molto specifici e particolareggiati in relazione ai pericoli derivanti da atmosfere potenzialmente esplosive mentre la direttiva Macchine, a riguardo della sicurezza contro il rischio di esplosioni, contiene solo requisiti di carattere molto generale (allegato I).
Pertanto, per quanto riguarda la protezione contro l'esplosione in presenza di atmosfera potenzialmente esplosiva, prevale e deve essere applicata la direttiva 94/9/CE ("ATEX 95"). Per tutti gli altri rischi riguardanti i macchinari devono essere applicati anche i requisiti di cui alla direttiva Macchine.

47.3 Livelli di protezione per le varie categorie di apparecchi

Le varie categorie di apparecchi devono essere in grado di funzionare conformemente ai parametri operativi stabiliti dal fabbricante, a determinati livelli di protezione.
La disponibilità di prodotti BONFIGLIOLI RIDUTTORI è evidenziata dalle celle in colore grigio.
(C 2)

Livello di protezione	Categoria		Tipo di protezione	Condizioni di funzionamento
	Gruppo I	Gruppo II		
Molto elevato	M1		Due mezzi di protezione indipendenti o sicurezza garantita anche qualora si manifestino due guasti indipendenti uno dall'altro.	Gli apparecchi restano alimentati e in funzione anche in presenza di atmosfera esplosiva.
Molto elevato		**1**	Due mezzi di protezione indipendenti o sicurezza garantita anche qualora si manifestino due guasti indipendenti uno dall'altro.	Gli apparecchi restano alimentati e in funzione nelle zone 0, 1, 2 (G) e/o nelle zone 20, 21, 22 (D).
Elevato	M2		Protezione adatta al funzionamento normale e a condizioni di funzionamento gravose.	Agli apparecchi viene interrotta l'alimentazione in presenza di atmosfera potenzialmente esplosiva.
Elevato		**2**	Protezione adatta al funzionamento normale e a disturbi frequenti o apparecchi in cui si tenga normalmente conto dei guasti.	Gli apparecchi restano alimentati e in funzione nelle zone 1, 2 (G) e/o nelle zone 21, 22 (D).
Normale		**3**	Protezione adatta al funzionamento normale.	Gli apparecchi restano alimentati e in funzione nelle zone 2 (G) e/o 22 (D).

47.4 Definizione dei gruppi

Gruppo I Comprende gli apparecchi destinati a essere utilizzati nei lavori in sotterraneo nelle miniere e nei loro impianti di superficie, esposti al rischio di sprigionamento di grisù e/o polveri combustibili.

Gruppo II Comprende gli apparecchi destinati a essere utilizzati in altri ambienti in cui vi sono probabilità che si manifestino atmosfere esplosive.

È esclusa qualunque installazione di apparecchi BONFIGLIOLI RIDUTTORI in applicazioni minerarie, classificabili come **gruppo I** e **gruppo II**, categoria 1.

In sintesi, l'insieme di classificazioni degli apparecchi in gruppi, categorie e zone può essere rappresentato dallo schema seguente, nel quale la disponibilità di prodotti BONFIGLIOLI RIDUTTORI è ancora evidenziata dalle celle in colore grigio.

(C 3)

Gruppo	**I** Miniere, grisù		**II** Altre aree potenzialmente esplosive per presenza di gas o polveri					
Categoria	M1	M2	1		2		3	
Atmosfera[1]			G	D	G	D	G	D
Zona			0	20	1	21	2	22
Tipo di protezione riduttore					c, k	c, k		

[1] **G** = gas **D** = polvere

Questo catalogo descrive i **riduttori** di produzione BONFIGLIOLI RIDUTTORI, destinati ad essere usati in ambienti con potenziale rischio di esplosione, limitatamente alla categoria 2.

I prodotti qui descritti sono conformi ai requisiti minimi dettati dalla direttiva europea 94/9/CE, facente parte delle direttive conosciute come ATEX (ATmosphères EXplosibles).

47.5 Dichiarazione di conformità

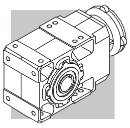
La Dichiarazione di Conformità, è il documento che attesta la conformità del prodotto alla direttiva 94/9/CE.
La validità del certificato è legata al rispetto delle istruzioni che sono specificate nel Manuale d'uso, installazione e manutenzione per l'uso in sicurezza del prodotto, in tutte le fasi della sua vita attiva.
L'utente è invitato a dotarsene scaricandolo all'indirizzo www.bonfiglioli.com dove il Manuale è disponibile in diverse lingue e nel formato pdf.
Di particolare rilievo sono le prescrizioni relative alle condizioni ambientali che, se non rispettate in condizione di funzionamento, fanno decadere la validità del certificato stesso.
In caso di dubbio sulla validità della Dichiarazione di Conformità contattare il servizio tecnicocommerciale di BONFIGLIOLI RIDUTTORI.

48 SELEZIONE

Per selezionare correttamente un riduttore o un riduttore predisposto per motore IEC, è necessario disporre di alcuni dati fondamentali che sono sintetizzati nella tabella seguente.
In particolare, essa dovrà essere compilata ed inviata in copia al ns. Servizio Tecnico che provvederà alla ricerca della motorizzazione più idonea alla applicazione indicata.

(C 4)

Bonfiglioli power, control and green solutions			DATI TECNICI NECESSARI PER LA SELEZIONE DI RIDUTTORI SERIE A	Nr:			
				data:			
				Rev_		data:	
		A)	DATI GENERALI				
#	1		Azienda / Cliente				
#	2		Contatto				
#	3		Filiale / Distributore				
#	4		Quantità in ordine				
	5		Tempi di consegna				
		B_1)	MOTORE ELETTRICO				
	6		Tipo di motore				
#	7	P_{n1}	Potenza nominale del motore		[kW]		
#	8	P_{r1}	Potenza richiesta dal motore		[kW]		
	9	n_1	Velocità di ingresso		[min^{-1}]		
	10		Numero di poli				
		C)	RIDUTTORE				
#	11		Configurazione del riduttore				
#	12	i	Rapporto di riduzione				
#	13	n_1	Velocità di ingresso		[min^{-1}]		
#	14	M_{r2}	Coppia richiesta in uscita		[Nm]		
#	15	f_S	Fattore di servizio richiesto				
	16		Senso di rotazione dell'albero di uscita [vista frontale]:	CW	CCW		
#	17	L_{10H}	Durata dei cuscinetti		[h]		
	18		Durata ingranaggi		[h]		
	19	SF_{min}	Sicurezza a piede dente		standard di riferimento (ISO preferito)		
	20	SH_{min}	Sicurezza a fianco dente		standard di riferimento (ISO preferito)		
		D)	CARICHI SUPPLEMENTARI				
	21	R_{c2}	Carico radiale su albero in uscita		[N]	Orientamento [°]	
	22	x_2	Distanza di applicazione del carico dalla battuta dell'albero		[mm]		
	23	R_{c1}	Carico radiale su albero in entrata		[N]	Orientamento [°]	
	24	x_1	Distanza di applicazione del carico dalla battuta dell'albero		[mm]		
	25	A_{n2}	Carico assiale su albero in uscita (+ / -)		[N]	+ = Spinta	
	26	A_{n1}	Carico assiale su albero di ingresso (+ / -)		[N]	- = Tirare	
		E)	APPLICAZIONE				
#	27		Tipo di applicazione				
	28		Ciclo di lavoro	Tempo della fase	Coppia di uscita del riduttore	Velocità di uscita del riduttore	
				%	[Nm]	[min^{-1}]	
				,,,,	,,,,		
				,,,,	,,,,		
				,,,,	,,,,		
	29		Note sul Ciclo di lavoro:				
	30		Valutazione secondo la classificazione FEM	T-	L-	M-	
	31		Grado di intermittenza		[%]		
	32	T_{AMB}	Campo della temperatura ambiente		[°C]		
#	33		Altitudine s.l.m.		[m]		
	34		Ambiente	piccolo spazio al coperto	grande spazio al coperto	all'esterno	
		F)	NOTE				
	35		Note e requisiti aggiuntivi richieste dai clienti:				
# Obbligatorio per la selezione							



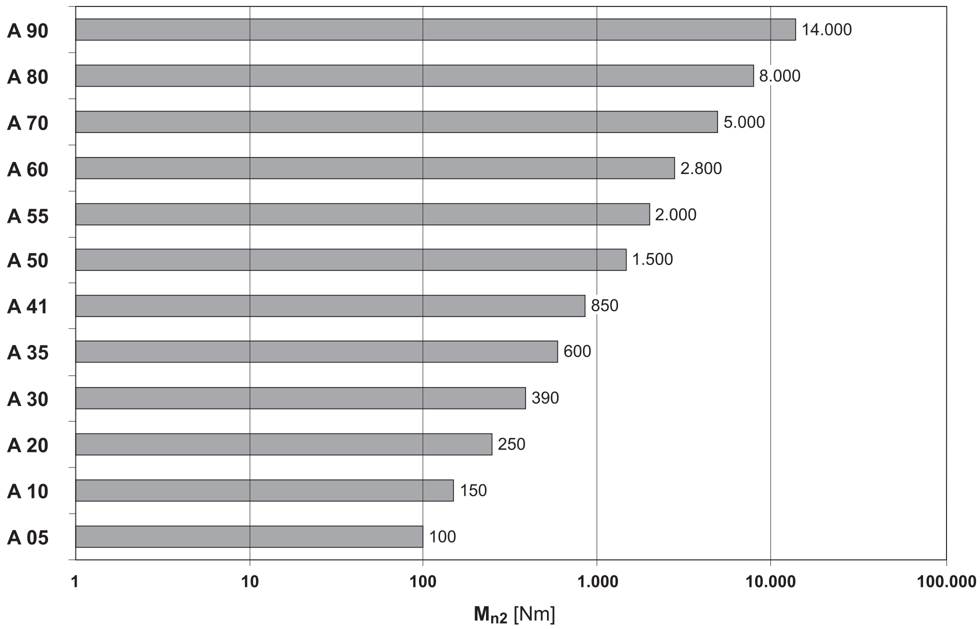
49 INSTALLAZIONE, USO E MANUTENZIONE

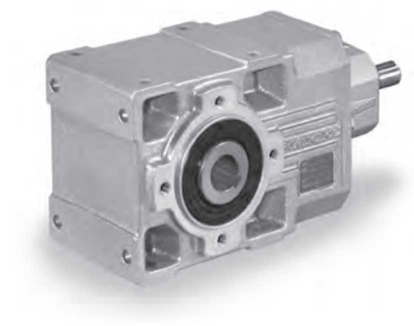
Tutte le prescrizioni relative all'installazione, uso e manutenzione del prodotto sono specificate nel relativo Manuale. L'utente è invitato a dotarsene scaricandolo all'indirizzo www.bonfiglioli.com dove il Manuale è disponibile in diverse lingue e nel formato pdf.
Il documento dovrà essere conservato in luogo idoneo, in prossimità dell'installazione del riduttore, per il riferimento di tutto il personale che è autorizzato ad interagire con il prodotto, per tutto l'arco della vita dello stesso.

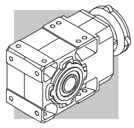
50 CARATTERISTICHE COSTRUTTIVE DEI GRUPPI ATEX

• Dotazione di tappi di servizio per il controllo periodico del livello di lubrificante.
• Dotazione di tappi di sfiato con valvola anti-intrusione.
• Carica di lubrificante, di tipo sintetico, effettuata originariamente in fabbrica, in funzione della posizione di montaggio specificata nell'ordinativo.
• Anelli di tenuta in Fluoro-elastomero.
• Assenza di particolari in plastica.
• Marcatura nella targa identificativa della categoria di prodotto e del tipo di protezione.
• Componentistica compatibile con le temperature limite previste.
• Dotazione di rilevatori termosensibili.

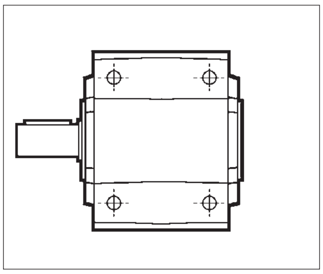
(C 5)







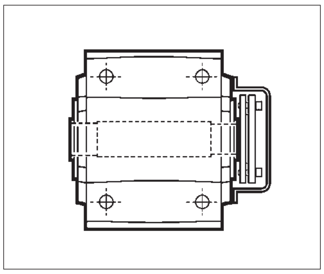
51 FORME COSTRUTTIVE



UR

Albero lento a singola sporgenza

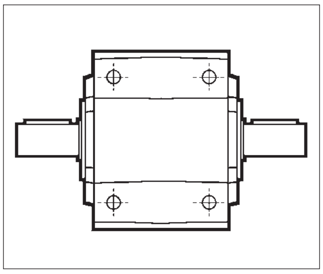
A 10 ... A 90



US

Albero lento cavo e calettatore

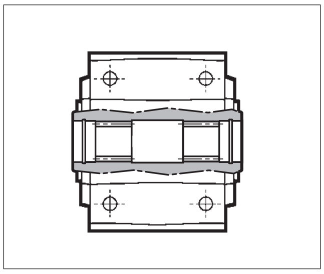
A 05 ... A 90



UD

Albero lento bisporgente

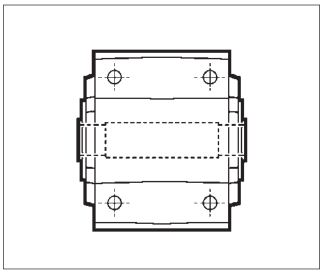
A 10 ... A 90



UV

Albero lento scanalato DIN 5480

A 20 ... A 60



UH

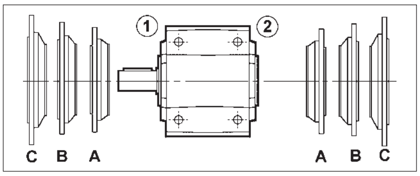
Albero lento cavo con cava per linguetta

A 05 ... A 90

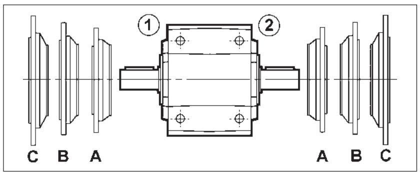
Forme costruttive con flangia riportata

Gli schemi riportati evidenziano le flange applicabili alle forme costruttive base e la loro collocazione (①,②).

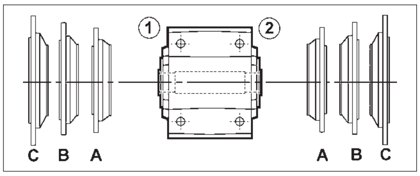
UR F1... UR F2...



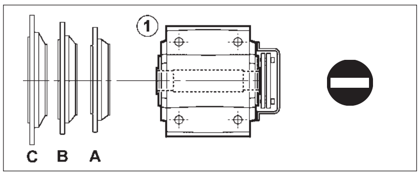
UD F1... UD F2...



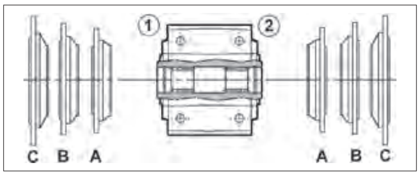
UH... F1... UH... F2...



US F1... US F2...



UV F1... UV F2...



52 DESIGNAZIONE

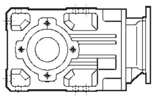
RIDUTTORE

A 50 3 UH50 F1A 99.5 S3 HS EX

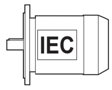
OPZIONI

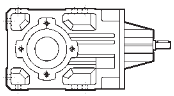
POSIZIONE DI MONTAGGIO
B3 (Standard), **B6**, **B7**, **B8**, **VA**, **VB**

DESIGNAZIONE INGRESSO



IEC_ **P63 ... P250**





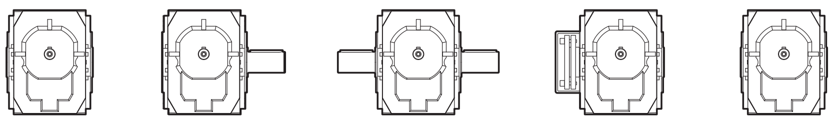
HS

RAPPORTO DI RIDUZIONE

GRANDEZZA E POSIZIONE FLANGIA DI USCITA
(specificare solo se richiesta)

F = Versione flangiata
1, **2** = Posizione flangia
A, **B**, **C** = Grandezza flangia

FORMA COSTRUTTIVA



UH_ **UR** (A 10...A 90) **UD** (A 10...A 90) **US** (A 05...A 90) **UV** (A 20...A 60)

A 05	**A 10**	**A 20**	**A 30**	**A 35**	**A 41**	**A 50**	**A 55**	**A 60**	**A 70**	**A 80**	**A 90**
UH25	**UH25**	**UH30**	**UH35**	**UH40**	**UH45**	**UH50**	**UH60**	**UH60**	**UH70**	**UH80**	**UH90**
—	UH30	UH35	UH40	UH35	UH40	UH55	UH50	UH70	UH80	UH90	UH100

STADI DI RIDUZIONE
2 (A 05...A 60), **3** (A 20...A 90), **4** (A 50...A 90)

GRANDEZZA RIDUTTORE
05, **10**, **20**, **30**, **35**, **41**, **50**, **55**, **60**, **70**, **80**, **90**

TIPO RIDUTTORE: **A** = riduttori ad assi ortogonali

Opzioni riduttori

EX

Il riduttore può essere installato nelle zone 1 e 21 (categorie 2G e 2D)
La temperatura superficiale max dell’apparecchiatura è 135 °C.

PROVE DOCUMENTALI

AC - Attestato di conformità

Documento il cui rilascio attesta la conformità del prodotto all’ordinativo e la costruzione dello stesso in conformità alle procedure standard di processo e di controllo previste dal sistema di Qualità Bonfiglioli Riduttori.

CC - Certificato di collaudo

La specifica comporta la conduzione di verifiche di conformità all’ordine, controlli visivi generali e verifiche strumentali delle dimensioni di accoppiamento. Sono inoltre condotti controlli generali di funzionamento a vuoto e verifiche della funzionalità delle guarnizioni di tenuta in modalità statica e in funzionamento. Il collaudo si applica ad un campione statistico del lotto di spedizione.

53 LUBRIFICAZIONE

I riduttori in versione ATEX, con alcune esclusioni (vedere tabella seguente), sono riempiti in fabbrica con carica di lubrificante “a vita” SHELL OMALA S4 WE 320, in accordo alla posizione di montaggio specificata.
In tutti i casi, prima della messa in servizio, si raccomanda di procedere alla verifica del livello, o al riempimento, secondo le indicazioni del relativo Manuale installazione uso e manutenzione (il Manuale è disponibile in diverse lingue e nel formato pdf all’indirizzo www.bonfiglioli.com).

(C 6)

A 05	A 10	A 20	A 30	A 35	A 41	A 50	A 55 [1)]	A 60 2 [2)]	A 60 3 [1)]	A 60 4 [1)]	A 70 [1)]	A 80 [1)]	A 90 [1)]

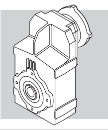
Fornitura con lubrificante sintetico “a vita” (A 05 – A 41)   Fornitura con lubrificante sintetico (A 50 – A 90)

(1) Privo di lubrificante nelle posizioni di montaggio B6 e B7
(2) Privo di lubrificante nella posizione di montaggio B6, B7 e VB

Per esigenze di trasporto i riduttori sono forniti di tappo di carico di tipo chiuso e, in funzione della versione, corredati di un tappo dotato di valvola di sfiato che l’utilizzatore dovrà sostituire prima della messa in servizio del riduttore. Anche in questo caso riferirsi al relativo Manuale installazione uso e manutenzione (il Manuale è disponibile in diverse lingue e nel formato pdf all’indirizzo www.bonfiglioli.com) per effettuare correttamente la sostituzione.
Anche nei casi in cui il riduttore è fornito privo di lubrificante, si raccomanda di utilizzarne uno, della stessa natura, tra quelli consentiti indicati sul relativo Manuale installazione uso e manutenzione.
Il funzionamento dei riduttori è ammesso per temperature ambiente comprese fra -20°C e +40°C.

54 ALTRE INFORMAZIONI SUI RIDUTTORI E I MOTORIDUTTORI

Le posizioni di montaggio, i dati tecnici, le predisposizioni motore, i momenti d’inerzia e le dimensioni dei riduttori serie **A-EX (Atex)** non cambiano rispetto al’equivalente prodotto delle serie A. Tutte queste informazioni possono essere reperite nei relativi capitoli di questo catalogo.

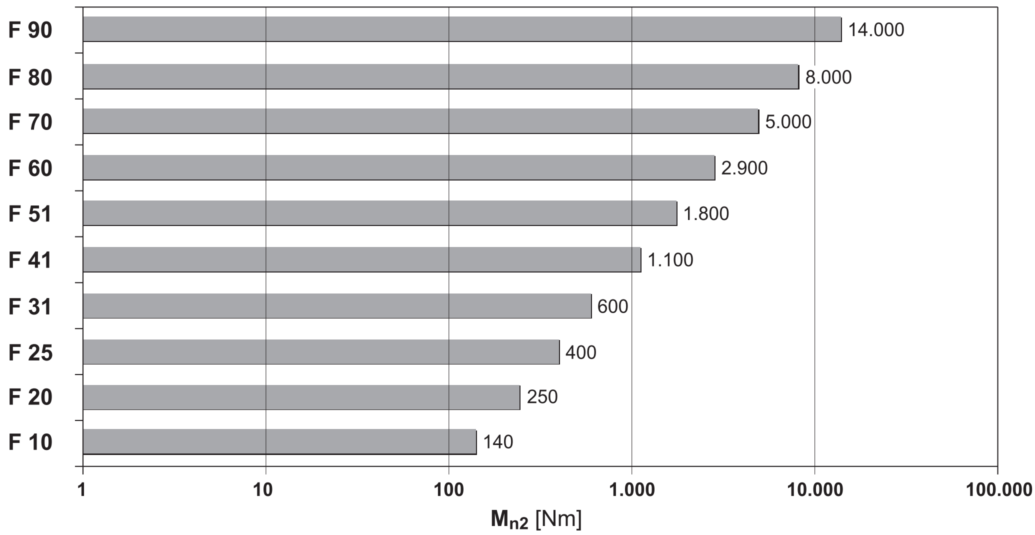


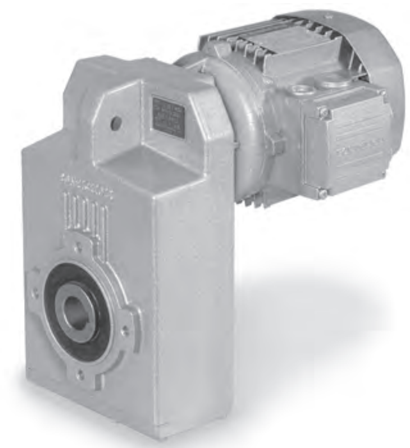
RIDUTTORI PENDOLARI SERIE F

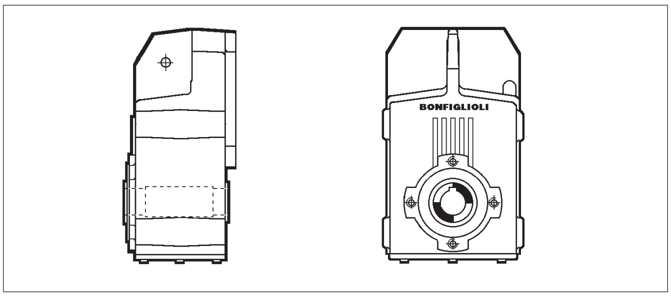
55 CARATTERISTICHE COSTRUTTIVE

Le caratteristiche costruttive salienti sono:
- modularità
- compattezza
- montaggi universali
- rendimenti elevati
- elevata silenziosità
- ingranaggi in acciaio legato cementati e temprati
- casse in alluminio non verniciate nelle grandezze 10, 20 e 25,
  casse in ghisa ad alta resistenza verniciate, nelle altre grandezze.

(D 43)



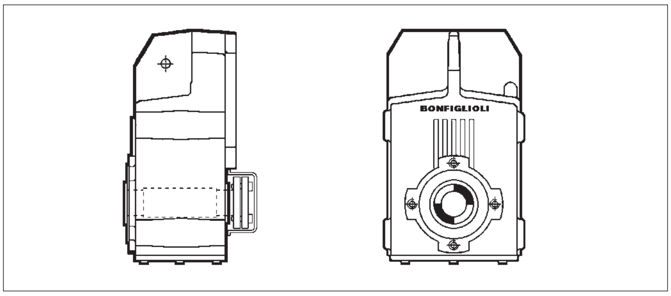




H

Albero lento cavo con cava per linguetta

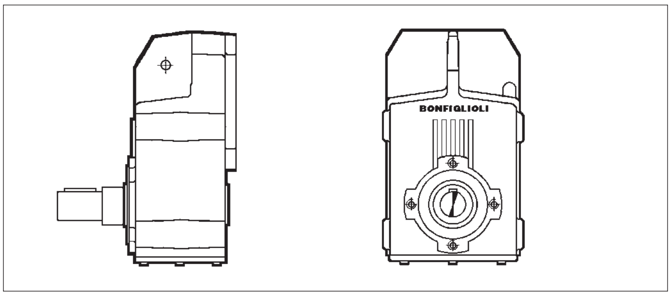
F 10 ... F 90



S

Albero lento cavo e calettatore

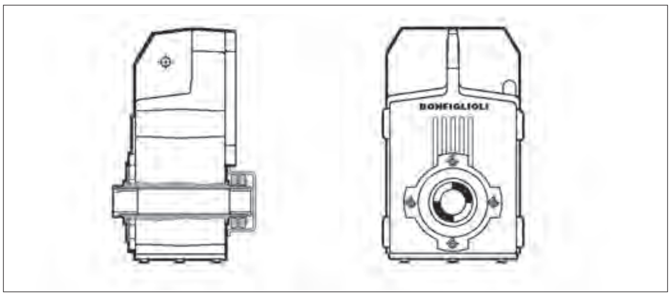
F 10 ... F 90



R

Albero lento cilindrico

F 10 ... F 90



QF (Quick-fit)

Albero con boccole di adattamento e giunto calettatore

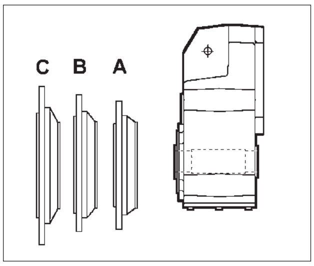
F 10 ... F 60

$M_{n2\ max}$ [Nm]	
F 25 QF30	350
F 41 QF42	850
F 41 QF45	1000
F 51 QF50	1750

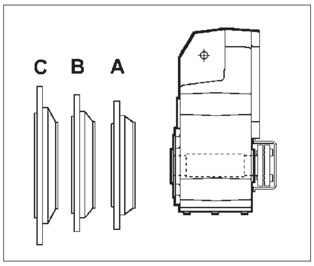
Forme costruttive con flangia riportata

Gli schemi riportati evidenziano le flange applicabili alle forme costruttive base.

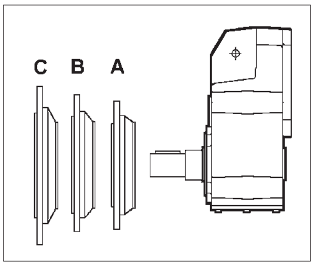
H... F...



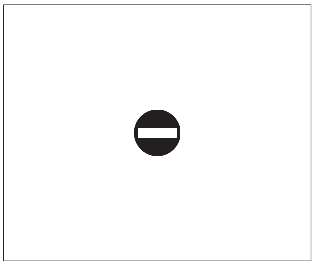
S F...



R F...



QF...



57 DESIGNAZIONE

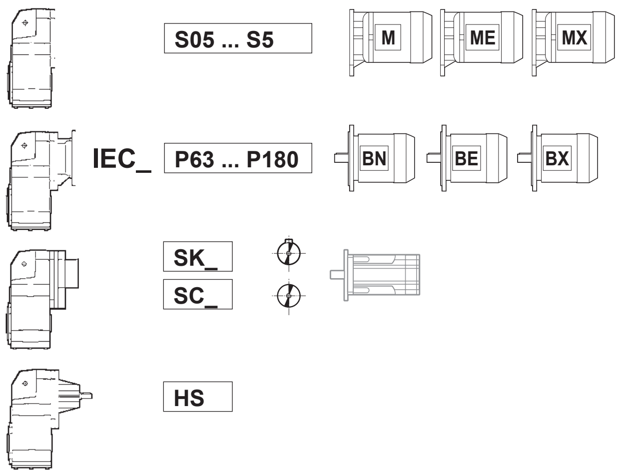
RIDUTTORE

F 10 2 H30 FA 9.8 S2 H5 .....

OPZIONI

POSIZIONE DI MONTAGGIO
H1 (Default), **H2**, **H3**, **H4**, **H5**, **H6**

DESIGNAZIONE INGRESSO



RAPPORTO DI RIDUZIONE

GRANDEZZA E POSIZIONE FLANGIA DI USCITA
(specificare solo se richiesta)
F = Versione flangiata
A, **B**, **C** = Grandezza flangia

FORMA COSTRUTTIVA

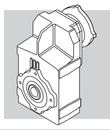
	H										S	R	QF
	F 10	F 20	F 25	F 31	F 41	F 51	F 60	F 70	F 80	F 90	(F 10...F 90)	(F 10...F 90)	(F 10...F 60)
Standard	**H25**	**H30**	**H35**	**H35**	**H40**	**H50**	**H60**	**H80**	**H90**	**H100**			
Alternative	H30	H35	H40	H40	H45	H55	H70	H70	H80	H90			

← Diametri alternativi a richiesta

N° STADI DI RIDUZIONE
2 (F 10...F 51), **3** (F 20...F 90), **4** (F 31...F 90)

GRANDEZZA RIDUTTORE
10, **20**, **25**, **31**, **41**, **51**, **60**, **70**, **80**, **90**

TIPO **F** = Riduttore pendolare



MOTORE | FRENO

M **1LA** **4** 230/400-50 IP54 CLF ..... **W** **FD** 7.5 R SB 220 SA .....

OPZIONI

ALIMENTAZIONE FRENO

TIPO RADDRIZZATORE AC/DC
NB, **SB**, **NBR**, **SBR**

LEVA DI SBLOCCO FRENO
R, **RM**

COPPIA FRENANTE

TIPO FRENO
FD (freno c.c.)
FA (freno c.a.)

POSIZIONE MORSETTIERA
W (default), **N**, **E**, **S**

FORMA COSTRUTTIVA
— (motore integrato)
B5 (motore IEC)

CLASSE ISOLAMENTO
CL F standard
CL H option

GRADO DI PROTEZIONE
IP55 standard (IP54 - motore autofrenante)

TENSIONE - FREQUENZA

NUMERO DI POLI
2, **4**, **6**, **2/4**, **2/6**, **2/8**, **2/12**, **4/6**, **4/8**

GRANDEZZA MOTORE
0B ... 5LA (motore integrato)
63A ... 280M (motore IEC)

TIPO MOTORE

MX = trifase integrato, classe IE3	**ME** = trifase integrato, classe IE2	**M** = trifase integrato
BX = trifase IEC, classe IE3	**BE** = trifase IEC, classe IE2	**BN** = trifase IEC

57.1 Opzioni riduttori

AL, AR

A richiesta si può fornire il riduttore munito di dispositivo antiretro che permette la rotazione dell'albero lento solo nel senso desiderato. La tabella seguente indica i riduttori nei quali è possibile applicare il dispositivo antiretro.

(D 44)

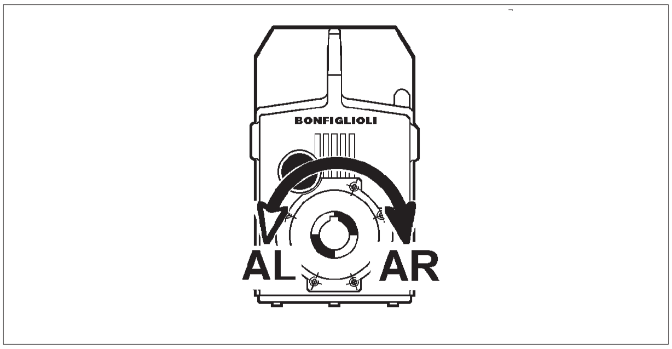
F 31 2*	**F 41 2** ⊖ (6.7; 10.8)					
F 31 3*	**F 41 3**	**F 51 3**	**F 60 3**	**F 70 3**	**F 80 3**	**F 90 3**
		F 51 4	**F 60 4**	**F 70 4**	**F 80 4**	**F 90 4**

* La fornitura del dispositivo antiretro esclude la dotazione di flange per servomotore del tipo S_60A, S_ 60B, S_80A.

In fase d'ordine specificare il senso di rotazione libera mediante le opzioni AL o AR (tabella D45) nella designazione riduttore o in quella del motore.

N.B. Quando l'intervento del dispositivo antiretro è richiesto in maniera ripetitiva verificare che la coppia all'albero lento, risultante dall'applicazione del carico, non superi il 70% della coppia nominale M_{n2} per lo specifico riduttore.

(D 45)



SO

I riduttori F 10...F 41 solitamente forniti con lubrificante da BONFIGLIOLI RIDUTTORI, sono forniti privi di lubrificante.

LO

I riduttori F 51...F 90, solitamente sprovvisti di lubrificante, sono richiesti con olio sintetico del tipo correntemente utilizzato dalla BONFIGLIOLI RIDUTTORI e riempiti in accordo alla posizione di montaggio richiesta.

DV

2 Anelli di tenuta sull'albero veloce. (Disponibile solo sui motoriduttori compatti).

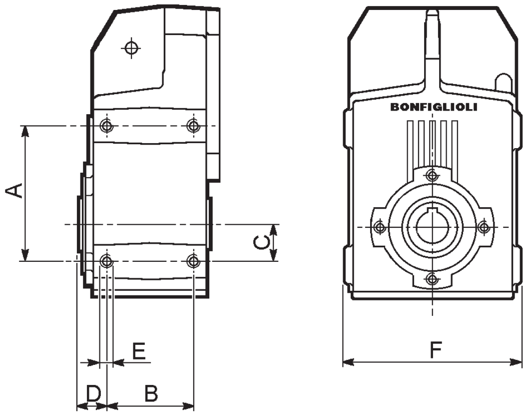
VV

Anello di tenuta in fluoro-elastomero sull'albero veloce.

PV
Tutti gli anelli di tenuta in fluoro-elastomero.

FL
A richiesta i riduttori F 10...F 41 possono essere forniti con i piani laterali spianati e forati per consentirne il fissaggio.
La tabella seguente riporta le dimensioni dei fori e i relativi interassi, Il suddetto allestimento è fornito di serie per i riduttori da F 51 a F 90.

(D 46)



	A	B	C	D	E	F
F 10	115	60	35	21.25	M8x16	163
F 20	130	70	40	26.5	M10x20	181
F 25	130	70	40	27.5	M10x20	181
F 31	147	80	45	30	M12x20	203
F 41	190	95	60	32.5	M12x22	235

PROTEZIONE SUPERFICIALE

I riduttori, che laddove non viene richiesta una classe di protezione specifica, nelle zone verniciate (ferrose) rispettano come requisito minimo la classe di protezione C2 (UNI EN ISO 12944-2), sono forniti con protezione superficiale **C3** e **C4** per una migliore resistenza alla corrosione atmosferica, ottenute mediante verniciatura del gruppo completo.

(D 47)

PROTEZIONE SUPERFICIALE	Ambienti tipici	Temperatura superficiale max.	Classe di corrosività secondo UNI EN ISO 12944-2
C3	Ambienti urbani ed industriali, con umidità relativa dell'aria max.100% (inquinamento ambientale medio)	120°C	C3
C4	Aree industriali, zone costiere, impianti chimici, con umidità relativa dell'aria max.100% (inquinamento ambientale alto)	120°C	C4

I riduttori previsti con le protezioni opzionali **C3** e **C4** sono disponibili in diverse tinte.
Se non specificata nessuna tinta (vedere opzione "VERNICIATURA") la fornitura viene eseguita con la tinta RAL7042.
A richiesta sono fornibili riduttori per classe di corrosività **C5** secondo UNI EN ISO 12944-2, contattando il ns. Servizio tecnico-Commerciale.

VERNICIATURA

I riduttori previsti con le protezioni opzionali C3 e C4 sono disponibili in diverse tinte, secondo la tabella seguente.

(D 48)

VERNICIATURA	Colore	Catalogazione RAL
RAL7042*	Grigio traffico A	7042
RAL5010	Blu genziana	5010
RAL9005	Nero intenso	9005
RAL9006	Alluminio brillante	9006
RAL9010	Bianco puro	9010

* Colore di fornitura standard se non specificato diversamente

NOTA - L'opzione "VERNICIATURA" è configurabile esclusivamente in abbinamento con l'opzione "PROTEZIONE SUPERFICIALE".

PROVE DOCUMENTALI

AC - Attestato di conformità
Documento il cui rilascio attesta la conformità del prodotto all'ordinativo e la costruzione dello stesso in conformità alle procedure standard di processo e di controllo previste dal sistema di Qualità Bonfiglioli Riduttori.

CC - Certificato di collaudo
La specifica comporta la conduzione di verifiche di conformità all'ordine, controlli visivi generali e verifiche strumentali delle dimensioni di accoppiamento. Sono inoltre condotti controlli generali di funzionamento a vuoto e verifiche della funzionalità delle guarnizioni di tenuta in modalità statica e in funzionamento. Il collaudo si applica ad un campione statistico del lotto di spedizione.

57.2 Accessori

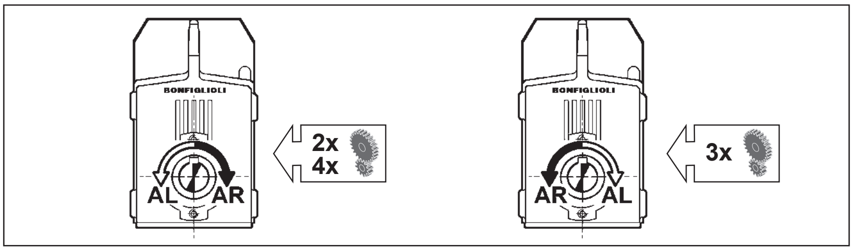
Vedi paragrafo 68 di questo catalogo.

57.3 Opzioni motori

AA, AC, AD
Posizione angolare leva di sblocco freno rispetto alla posizione morsettiera visto lato ventola.
Posizione standard = 90° orari. AA = 0°, AC = 180°, AD = 90° antiorari.

AL, AR
Per i motoriduttori equipaggiati con motore integrale serie M o ME, è disponibile l'opzione antiretro collocata sul motore stesso e descritta nella sezione motori elettrici di questo catalogo. La tabella seguente mostra il senso di rotazione libera del riduttore in base alla quale dovrà essere effettuata la scelta dell'opzione.

(D 49)



CF
Filtro capacitivo.

D3
No. 3 sonde bimetalliche negli avvolgimenti con temperatura 150°C.

E3
No. 3 termistori negli avvolgimenti con temperatura 150°C.

F1
Volano per avviamento progressivo.

H1
Riscaldatori anticondensa. Alimentazione standard 1~ 230V ±10%.

PN
Potenza a 60 Hz corrispondente alla potenza normalizzata a 50 Hz.

PS
Doppia estremità d'albero (esclude opzione RC e U1).

RC
Tettuccio parapioggia (esclude opzione PS).

RV
Bilanciamento rotore in grado di vibrazione B.

TC
La variante del tettuccio tipo TC è da specificare quando il motore è installato in ambienti dell'industria tessile. L'opzione esclude le varianti EN_ .

TP
Tropicalizzazione.

U1
Servoventilazione (esclude opzioni PS e CUS).

U2
Servoventilatore privo di scatola morsettiera, dotato di cavi precablati internamente. Esclude le opzioni PS e CUS. Disponibile per motori: BN 71, BE 80 ... BE 132, M1, ME2 ... ME4.

Per ulteriori informazioni sulle opzioni, consultare i relativi capitoli nella sezione motori elettrici.

58 LUBRIFICAZIONE

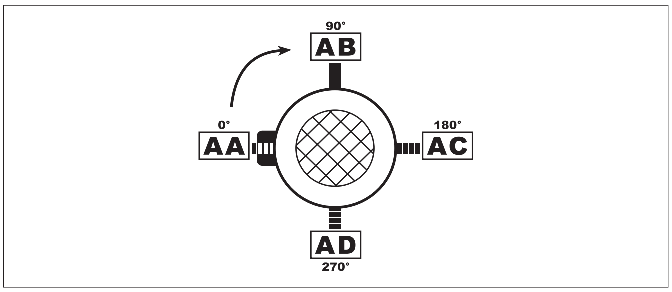
Gli organi interni dei riduttori Bonfiglioli sono lubrificati con un sistema misto di immersione e sbattimento dell’olio.
I gruppi F 10...F 41 sono normalmente consegnati con carica di lubrificante dalla fabbrica, o dalla rete di vendita ufficiale.
I gruppi di grandezza F 51 e superiore sono normalmente forniti privi di lubrificante, e sarà cura dell’utilizzatore riempirli di olio prima della messa in servizio.
In entrambi i casi, a seconda delle versioni, prima della messa in esercizio del riduttore potrebbe essere necessario sostituire il tappo chiuso usato per il trasporto con il tappo di sfiato fornito a corredo.
Per le tavole di riferimento della collocazione dei tappi di servizio e delle quantità di lubrificante, riferirsi al Manuale Uso e Manutenzione (disponibilie su www.bonfiglioli.com).
Il lubrificante “long life” fornito di serie è di natura sintetica e, a meno di contaminazione dall’esterno, non richiede sostituzioni periodiche per tutto l’arco di vita del riduttore.
Il funzionamento dei riduttori è ammesso per temperature ambiente comprese fra -20°C e +40°C. Per temperature ambiente comprese fra -20°C e -10°C l’avviamento del riduttore potrà avvenire solo dopo aver effettuato un pre-riscaldamento progressivo ed omogeneo del gruppo, oppure con funzionamento “a vuoto”, senza carico collegato.
Il carico potrà poi essere applicato all’albero del riduttore quando la temperatura dello stesso avrà raggiunto la temperatura di -10°C, o superiore.

59 POSIZIONI DI MONTAGGIO E ORIENTAMENTO MORSETTIERA

Gli orientamenti delle morsettiere dei motori sono identificati osservando il motore dal lato ventola; l’orientamento standard è evidenziato in nero (W).

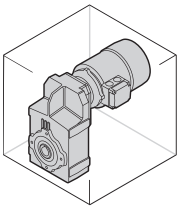
Posizione angolare leva di sblocco freno.
Nei motori autofrenanti, la leva di sblocco freno (se richiesta) ha l’orientamento standard a 90° rispetto alla morsettiera (posizione AB); specificare con relative opzioni qualora l’orientamento desiderato sia diverso.

(D 50)

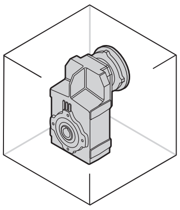


F ...

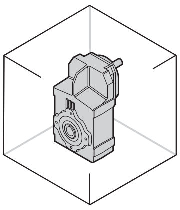
H1



_S



_P(IEC) _SK / _SC



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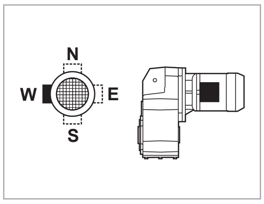
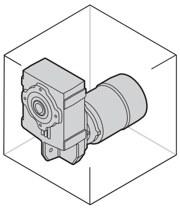


H2



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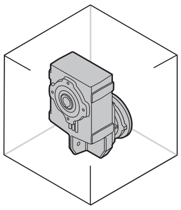

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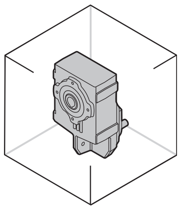

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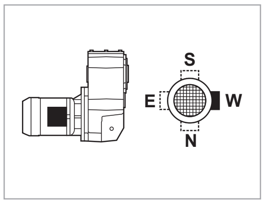
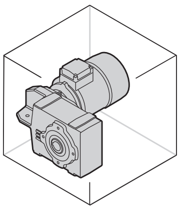


H3



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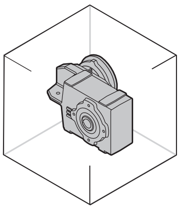

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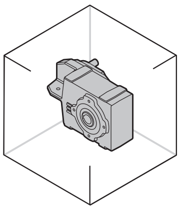
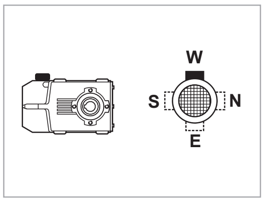
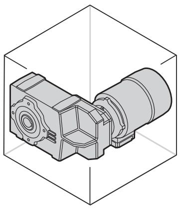


_HS



H4



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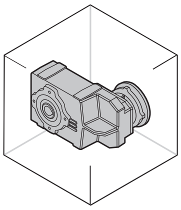

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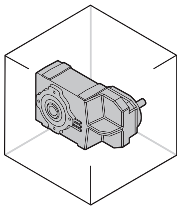

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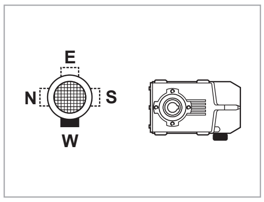
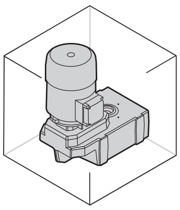


H5



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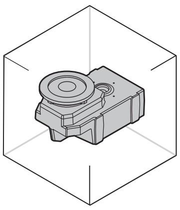

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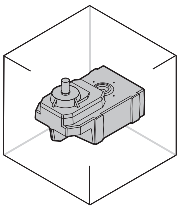

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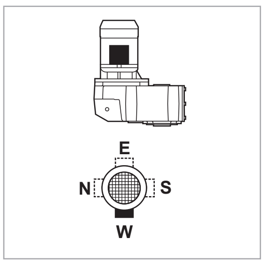
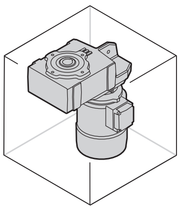


H6



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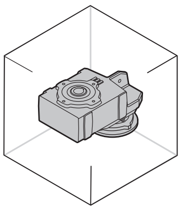

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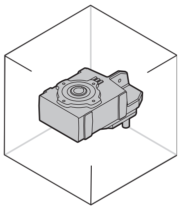

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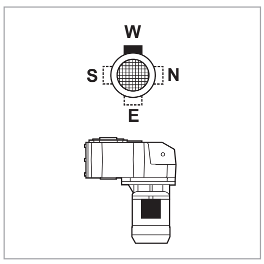


W = Default

60 CARICHI RADIALI

Organi di trasmissione calettati sugli alberi di ingresso e/o di uscita del riduttore generano forze la cui risultante agisce in senso radiale sull'albero stesso.
L'entità di questi carichi deve essere compatibile con la capacità di sopportazione del sistema albero-cuscinetti del riduttore, in particolare il valore assoluto del carico applicato (R_{c1} per albero di ingresso, R_{c2} per albero di uscita) deve essere inferiore al valore nominale (R_{n1} per albero di ingresso, R_{n2} per albero di uscita) riportato nelle tabelle dati tecnici.
Nelle formule che seguono l'indice (1) si riferisce a grandezze relative all'albero veloce, l'indice (2) all'albero lento.
Il carico generato da una trasmissione esterna può essere calcolato, con buona approssimazione, tramite la formula seguente:

$$R_{c1}\left[N\right] = \frac{2000 \cdot M_1\left[Nm\right] \cdot K_r}{d\left[mm\right]} \quad ; \quad R_{c2}\left[N\right] = \frac{2000 \cdot M_2\left[Nm\right] \cdot K_r}{d\left[mm\right]} \qquad (35)$$

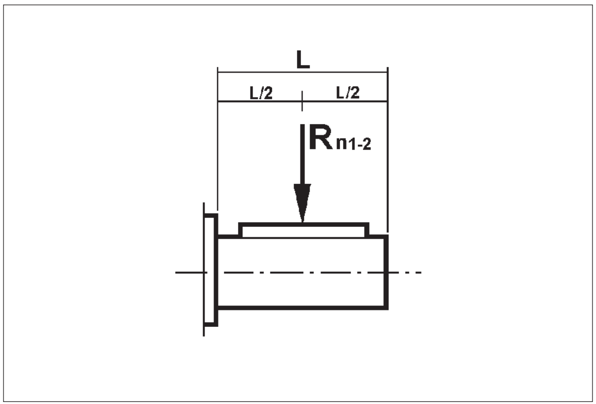
(D 51)

M_1 [Nm]	Coppia applicata all'albero veloce
M_2 [Nm]	Coppia erogata all'albero lento
d [mm]	Diametro primitivo dell'organo calettato sull'albero
K_r = 1	Trasmissione con catena

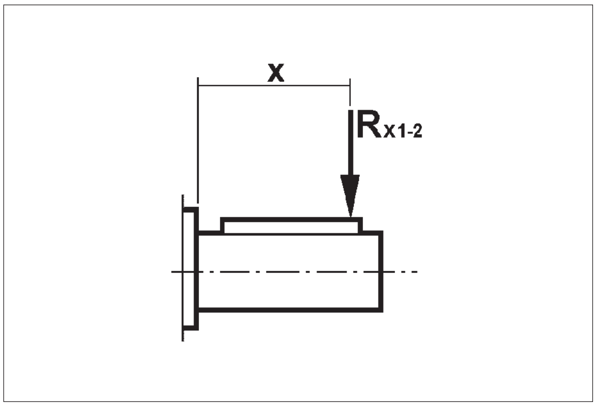
K_r = 1,25	Trasmissione con ingranaggio
K_r = 1,5	Trasmissione a cinghia trapezoidale
K_r = 2,0	Trasmissione a cinghia piatta

In base al punto di applicazione del carico sull'albero la verifica di compatibilità procederà in modi diversi e in particolare:

(D 52)



(D 53)



a) Applicazione in mezzeria, tab. (D52)

Il carico precedentemente calcolato si dovrà confrontare con il corrispondente valore nominale esposto a catalogo e dovrà verificarsi:

$R_{c1} \leq R_{n1}$ [albero veloce]

oppure

$R_{c2} \leq R_{n2}$ [albero lento]

b) Applicazione spostata dalla mezzeria, tab. (D53)

L'applicazione del carico ad una distanza "x" dalla battuta dell'albero comporta il ricalcolo del valore ammissibile a detta distanza.
Il nuovo valore è individuato con i simboli R_{x1} (ingresso) e R_{x2} (uscita) e si ricava dai valori di catalogo, rispettivamente R_{n1} e R_{n2}, tramite l'elaborazione del fattore:

$$\frac{a}{b+x} \quad (36)$$

(D 54)

	Costanti del riduttore					
	Albero lento			Albero veloce		
	a	**b**	**c**	**a**	**b**	**c**
F 10 2	123	100.5	450	21	1	300
F 20 2	145	115	600	40	20	350
F 20 3	145	115	600	21	1	300
F 25 2 - F 25 3	157.5	127.5	800	40	20	350
F 25 4	157.5	127.5	800	21	1	300
F 31 2 - F 31 3	165	135	850	38.5	18.5	350
F 31 4	165	135	850	21	1	300
F 41 2 - F 41 3	191.5	151.5	1000	49.5	24.5	450
F 41 4	191.5	151.5	1000	40	20	350
F 51 2 - F 51 3	233.5	183.5	1300	49.5	24.5	450
F 51 4	233.5	183.5	1300	38.5	18.5	350
F 60 3	258.5	198.5	1100	55.5	25.5	600
F 60 4	258.5	198.5	1100	49.5	24.5	450
F 70 3	342	277	1600	86	31	1000
F 70 4	342	277	1600	49.5	24.5	450
F 80 3	386.5	301.5	1800	86	31	1000
F 80 4	386.5	301.5	1800	49.5	24.5	450
F 90 3	458.5	353.5	2400	116	46	1400
F 90 4	458.5	353.5	2400	49.5	24.5	450

La procedura di verifica comporta passi successivi che sono qui descritti.

ALBERO VELOCE

1. Calcolo di:

$$R_{x1} = R_{n1} \cdot \frac{a}{b + x} \quad (37)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \quad (38)$$

Infine si dovrà verificare che:

$$R_{c1} \leq R_{x1} \quad (39)$$

ALBERO LENTO

1. Calcolo di:

$$R_{x2} = R_{n2} \cdot \frac{a}{b + x} \quad (40)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \quad (41)$$

Infine si dovrà verificare che:

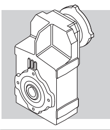
$$R_{c2} \leq R_{x2} \quad (42)$$

61 CARICHI ASSIALI, A_{n1}, A_{n2}

I valori di carico assiale ammissibile sugli alberi veloce [A_{n1}] e lento [A_{n2}] si possono ricavare con riferimento al corrispondente valore di carico radiale [R_{n1}] e [R_{n2}] tramite le espressioni che seguono:

$$A_{n1} = R_{n1} \cdot 0.2$$
$$A_{n2} = R_{n2} \cdot 0.2 \qquad (43)$$

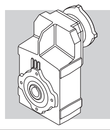
I valori di carico assiale ammissibile così calcolati si riferiscono al caso di forze assiali agenti contemporaneamente ai carichi radiali nominali.
Nel solo caso in cui il valore del carico radiale agente sullalbero del riduttore sia nullo, si può considerare il carico assiale ammissibile [A_n] pari al 50% del valore di carico radiale ammissibile [R_n] sullo stesso albero.
In presenza di carichi assiali eccedenti il valore ammissibile, o di forze assiali fortemente prevalenti sui carichi radiali, è consigliabile contattare il Servizio Tecnico di Bonfiglioli Riduttori per una verifica puntuale.



La selezione dei motori senza freno tiene conto delle prescrizioni del Regolamento CE 640/2009 (si veda sezione **M** di questo catalogo). Per potenze nominali inferiori a 0.75kW, possono essere previsti i motori BN/M.
Il Regolamento CE 640/2009 non si applica ai motori autofrenanti, pertanto la selezione dei motori autofrenanti tiene conto dei motori BN/M, a prescindere dal valore della potenza nominale. I motori BX, BE, MX e ME autofrenanti sono disponibili a richiesta.

0.09 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.40	1945	2.6	2188	35000			**F704_2188 P63 BN63A6**	439
0.50	1526	3.4	1717	35000			**F704_1717 P63 BN63A6**	439
0.62	1254	0.9	1411	8500	**F414_1411 S05 M05A6**	426	**F414_1411 P63 BN63A6**	427
0.73	1079	1.0	1213	8500	**F414_1213 S05 M05A6**	426	**F414_1213 P63 BN63A6**	427
0.81	971	1.1	1092	8500	**F414_1092 S05 M05A6**	426	**F414_1092 P63 BN63A6**	427
0.90	874	1.3	982.4	8500	**F414_982.4 S05 M05A6**	426	**F414_982.4 P63 BN63A6**	427
0.98	801	1.4	900.5	8500	**F414_900.5 S05 M05A6**	426	**F414_900.5 P63 BN63A6**	427
1.1	724	1.5	813.8	8500	**F414_813.8 S05 M05A6**	426	**F414_813.8 P63 BN63A6**	427
1.2	678	0.9	762.3	6500	**F314_762.3 S05 M05A6**	422	**F314_762.3 P63 BN63A6**	423
1.2	658	1.7	739.4	8500	**F414_739.4 S05 M05A6**	426	**F414_739.4 P63 BN63A6**	427
1.3	610	1.0	685.6	6500	**F314_685.6 S05 M05A6**	422	**F314_685.6 P63 BN63A6**	423
1.3	614	1.8	690.1	8500	**F414_690.1 S05 M05A6**	426	**F414_690.1 P63 BN63A6**	427
1.4	551	1.1	619.9	6500	**F314_619.9 S05 M05A6**	422	**F314_619.9 P63 BN63A6**	423
1.5	515	1.2	578.6	6500	**F314_578.6 S05 M05A6**	422	**F314_578.6 P63 BN63A6**	423
1.6	489	2.2	549.8	8500	**F414_549.8 S05 M05A6**	426	**F414_549.8 P63 BN63A6**	427
1.7	469	0.9	527.3	6500	**F254_527.3 S05 M05A6**	418	**F254_527.3 P63 BN63A6**	419
1.7	469	1.3	527.8	6500	**F314_527.8 S05 M05A6**	422	**F314_527.8 P63 BN63A6**	423
1.9	414	1.0	466.0	6500	**F254_466.0 S05 M05A6**	418	**F254_466.0 P63 BN63A6**	419
1.9	411	1.5	462.6	6500	**F314_462.6 S05 M05A6**	422	**F314_462.6 P63 BN63A6**	423
2.0	387	1.0	434.9	6500	**F254_434.9 S05 M05A6**	418	**F254_434.9 P63 BN63A6**	419
2.0	386	2.9	433.7	8500	**F414_433.7 S05 M05A6**	426	**F414_433.7 P63 BN63A6**	427
2.1	372	1.6	418.9	6500	**F314_418.9 S05 M05A6**	422	**F314_418.9 P63 BN63A6**	423
2.2	350	1.1	393.9	6500	**F254_393.9 S05 M05A6**	418	**F254_393.9 P63 BN63A6**	419
2.4	340	1.8	374.4	6500			**F313_374.4 P63 BN63A6**	423
2.6	302	2.0	332.8	6500			**F313_332.8 P63 BN63A6**	423
2.6	313	3.5	344.8	8500			**F413_344.8 P63 BN63A6**	427
2.8	288	0.9	316.9	4000	**F203_316.9 S05 M05A6**	414	**F203_316.9 P63 BN63A6**	415
3.0	267	2.2	293.8	6500			**F313_293.8 P63 BN63A6**	423
3.1	259	1.0	285.2	4000	**F203_285.2 S05 M05A6**	414	**F203_285.2 P63 BN63A6**	415
3.4	232	1.1	255.3	4000	**F203_255.3 S05 M05A6**	414	**F203_255.3 P63 BN63A6**	415
3.5	230	2.6	253.6	6500			**F313_253.6 P63 BN63A6**	423
3.9	207	2.9	228.2	6500			**F313_228.2 P63 BN63A6**	423
4.2	190	1.3	209.3	4000	**F203_209.3 S05 M05A6**	414	**F203_209.3 P63 BN63A6**	415
4.4	184	3.3	202.3	6500			**F313_202.3 P63 BN63A6**	423
4.8	168	1.5	184.9	4000	**F203_184.9 S05 M05A6**	414	**F203_184.9 P63 BN63A6**	415
5.1	157	1.6	172.6	4000	**F203_172.6 S05 M05A6**	414	**F203_172.6 P63 BN63A6**	415
5.6	142	1.8	156.3	4000	**F203_156.3 S05 M05A6**	414	**F203_156.3 P63 BN63A6**	415
6.7	123	2.0	132.2	4000	**F202_132.2 S05 M05A6**	414	**F202_132.2 P63 BN63A6**	415
6.9	118	1.2	127.1	2800	**F102_127.1 S05 M05A6**	410	**F102_127.1 P63 BN63A6**	411



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
7.7	106	2.4	114.3	4000	**F202_114.3 S05 M05A6**	414	**F202_114.3 P63 BN63A6**	415
8.3	98	1.4	106.0	2800	**F102_106.0 S05 M05A6**	410	**F102_106.0 P63 BN63A6**	411
8.7	94	2.6	101.6	4000	**F202_101.6 S05 M05A6**	414	**F202_101.6 P63 BN63A6**	415
9.6	85	1.6	91.5	2800	**F102_91.5 S05 M05A6**	410	**F102_91.5 P63 BN63A6**	411
9.7	84	3.0	90.4	4000	**F202_90.4 S05 M05A6**	414	**F202_90.4 P63 BN63A6**	415
10.8	75	1.9	81.3	2800	**F102_81.3 S05 M05A6**	410	**F102_81.3 P63 BN63A6**	411
11.5	71	3.5	76.8	4000	**F202_76.8 S05 M05A6**	414	**F202_76.8 P63 BN63A6**	415
12.4	66	2.1	71.1	2800	**F102_71.1 S05 M05A6**	410	**F102_71.1 P63 BN63A6**	411
14.0	58	2.4	63.0	2800	**F102_63.0 S05 M05A6**	410	**F102_63.0 P63 BN63A6**	411
15.5	53	2.7	56.7	2800	**F102_56.7 S05 M05A6**	410	**F102_56.7 P63 BN63A6**	411
18.1	45	3.1	48.7	2800	**F102_48.7 S05 M05A6**	410	**F102_48.7 P63 BN63A6**	411
19.7	41	3.4	44.7	2800	**F102_44.7 S05 M05A6**	410	**F102_44.7 P63 BN63A6**	411
22.2	37	3.8	39.6	2800	**F102_39.6 S05 M05A6**	410	**F102_39.6 P63 BN63A6**	411
24.9	33	4.3	35.3	2800	**F102_35.3 S05 M05A6**	410	**F102_35.3 P63 BN63A6**	411
26.7	31	4.6	33.0	2800	**F102_33.0 S05 M05A6**	410	**F102_33.0 P63 BN63A6**	411
29.7	28	5.1	29.6	2800	**F102_29.6 S05 M05A6**	410	**F102_29.6 P63 BN63A6**	411
34	24	5.9	25.8	2800	**F102_25.8 S05 M05A6**	410	**F102_25.8 P63 BN63A6**	411
39	21	6.6	22.8	2800	**F102_22.8 S05 M05A6**	410	**F102_22.8 P63 BN63A6**	411
46	18	7.8	19.3	2800	**F102_19.3 S05 M05A6**	410	**F102_19.3 P63 BN63A6**	411
52	16	8.9	17.0	2800	**F102_17.0 S05 M05A6**	410	**F102_17.0 P63 BN63A6**	411
60	14	10.1	14.6	2700	**F102_14.6 S05 M05A6**	410	**F102_14.6 P63 BN63A6**	411
68	12	10.3	13.0	2600	**F102_13.0 S05 M05A6**	410	**F102_13.0 P63 BN63A6**	411
76	11	10.3	11.5	2500	**F102_11.5 S05 M05A6**	410	**F102_11.5 P63 BN63A6**	411
90	9	11.8	9.8	2370	**F102_9.8 S05 M05A6**	410	**F102_9.8 P63 BN63A6**	411
103	8	11.8	8.6	2270	**F102_8.6 S05 M05A6**	410	**F102_8.6 P63 BN63A6**	411
119	7	13.2	7.4	2160	**F102_7.4 S05 M05A6**	410	**F102_7.4 P63 BN63A6**	411

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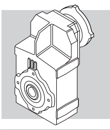
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IE1	
0.40	2623	1.9	2188	35000			**F704_2188 P63 BN63B6**	439
0.51	2058	2.5	1717	35000			**F704_1717 P63 BN63B6**	439
0.60	1742	2.9	2188	35000			**F704_2188 P63 BN63A4**	439
0.65	1607	3.1	2019	35000			**F704_2019 P63 BN63A4**	439
0.76	1368	2.1	1141	20000			**F604_1141 P63 BN63B6**	435
0.89	1178	0.9	982.4	8500	**F414_982.4 S05 M05B6**	426	**F414_982.4 P63 BN63B6**	427
0.96	1090	1.0	1411	8500	**F414_1411 S05 M05A4**	426	**F414_1411 P63 BN63A4**	427
1.1	938	1.2	1213	8500	**F414_1213 S05 M05A4**	426	**F414_1213 P63 BN63A4**	427
1.2	844	1.3	1092	8500	**F414_1092 S05 M05A4**	426	**F414_1092 P63 BN63A4**	427
1.4	759	1.4	982.4	8500	**F414_982.4 S05 M05A4**	426	**F414_982.4 P63 BN63A4**	427
1.5	696	1.6	900.5	8500	**F414_900.5 S05 M05A4**	426	**F414_900.5 P63 BN63A4**	427
1.6	643	0.9	831.6	6500	**F314_831.6 S05 M05A4**	422	**F314_831.6 P63 BN63A4**	423
1.7	629	1.7	813.8	8500	**F414_813.8 S05 M05A4**	426	**F414_813.8 P63 BN63A4**	427
1.8	589	1.0	762.3	6500	**F314_762.3 S05 M05A4**	422	**F314_762.3 P63 BN63A4**	423
1.8	571	1.9	739.4	8500	**F414_739.4 S05 M05A4**	426	**F414_739.4 P63 BN63A4**	427
2.0	530	1.1	685.6	6500	**F314_685.6 S05 M05A4**	422	**F314_685.6 P63 BN63A4**	423
2.0	533	2.1	690.1	8500	**F414_690.1 S05 M05A4**	426	**F414_690.1 P63 BN63A4**	427
2.2	479	1.3	619.9	6500	**F314_619.9 S05 M05A4**	422	**F314_619.9 P63 BN63A4**	423
2.3	456	0.9	589.7	6500	**F254_589.7 S05 M05A4**	418	**F254_589.7 P63 BN63A4**	419
2.3	447	1.3	578.6	6500	**F314_578.6 S05 M05A4**	422	**F314_578.6 P63 BN63A4**	423
2.5	425	2.6	549.8	8500	**F414_549.8 S05 M05A4**	426	**F414_549.8 P63 BN63A4**	427
2.6	408	1.0	527.3	6500	**F254_527.3 S05 M05A4**	418	**F254_527.3 P63 BN63A4**	419



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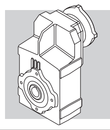
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
2.6	408	1.5	527.8	6500	**F314_527.8 S05 M05A4**	422	**F314_527.8 P63 BN63A4**	423
2.9	360	1.1	466.0	6500	**F254_466.0 S05 M05A4**	418	**F254_466.0 P63 BN63A4**	419
2.9	358	1.7	462.6	6500	**F314_462.6 S05 M05A4**	422	**F314_462.6 P63 BN63A4**	423
3.1	336	1.2	434.9	6500	**F254_434.9 S05 M05A4**	418	**F254_434.9 P63 BN63A4**	419
3.1	335	3.3	433.7	8500	**F414_433.7 S05 M05A4**	426	**F414_433.7 P63 BN63A4**	427
3.2	324	1.9	418.9	6500	**F314_418.9 S05 M05A4**	422	**F314_418.9 P63 BN63A4**	423
3.4	304	1.3	393.9	6500	**F254_393.9 S05 M05A4**	418	**F254_393.9 P63 BN63A4**	419
3.6	296	2.0	374.4	6500			**F313_374.4 P63 BN63A4**	423
4.1	263	1.5	333.1	6500	**F253_333.1 S05 M05A4**	418	**F253_333.1 P63 BN63A4**	419
4.1	263	2.3	332.8	6500			**F313_332.8 P63 BN63A4**	423
4.3	250	1.0	316.9	4000	**F203_316.9 S05 M05A4**	414	**F203_316.9 P63 BN63A4**	415
4.6	232	2.6	293.8	6500			**F313_293.8 P63 BN63A4**	423
4.7	225	1.1	285.2	4000	**F203_285.2 S05 M05A4**	414	**F203_285.2 P63 BN63A4**	415
4.7	228	1.8	288.1	6500	**F253_288.1 S05 M05A4**	418	**F253_288.1 P63 BN63A4**	419
5.3	202	1.2	255.3	4000	**F203_255.3 S05 M05A4**	414	**F203_255.3 P63 BN63A4**	415
5.3	202	2.0	256.1	6500	**F253_256.1 S05 M05A4**	418	**F253_256.1 P63 BN63A4**	419
5.3	200	3.0	253.6	6500			**F313_253.6 P63 BN63A4**	423
5.9	180	2.2	227.8	6500	**F253_227.8 S05 M05A4**	418	**F253_227.8 P63 BN63A4**	419
5.9	180	3.3	228.2	6500			**F313_228.2 P63 BN63A4**	423
6.5	165	1.5	209.3	4000	**F203_209.3 S05 M05A4**	414	**F203_209.3 P63 BN63A4**	415
7.0	153	2.6	193.6	6500	**F253_193.6 S05 M05A4**	418	**F253_193.6 P63 BN63A4**	419
7.3	146	1.7	184.9	4000	**F203_184.9 S05 M05A4**	414	**F203_184.9 P63 BN63A4**	415
7.7	138	2.9	174.2	6500	**F253_174.2 S05 M05A4**	418	**F253_174.2 P63 BN63A4**	419
7.8	136	1.8	172.6	4000	**F203_172.6 S05 M05A4**	414	**F203_172.6 P63 BN63A4**	415
8.6	123	2.0	156.3	4000	**F203_156.3 S05 M05A4**	414	**F203_156.3 P63 BN63A4**	415
8.7	123	3.2	155.9	6500	**F253_155.9 S05 M05A4**	418	**F253_155.9 P63 BN63A4**	419
9.4	113	3.5	143.0	6500	**F253_143.0 S05 M05A4**	418	**F253_143.0 P63 BN63A4**	419
10.2	107	2.3	132.2	4000	**F202_132.2 S05 M05A4**	414	**F202_132.2 P63 BN63A4**	415
10.6	103	1.4	127.1	2800	**F102_127.1 S05 M05A4**	410	**F102_127.1 P63 BN63A4**	411
11.8	92	2.7	114.3	4000	**F202_114.3 S05 M05A4**	414	**F202_114.3 P63 BN63A4**	415
12.7	86	1.6	106.0	2800	**F102_106.0 S05 M05A4**	410	**F102_106.0 P63 BN63A4**	411
13.3	82	3.0	101.6	4000	**F202_101.6 S05 M05A4**	414	**F202_101.6 P63 BN63A4**	415
14.8	74	1.9	91.5	2800	**F102_91.5 S05 M05A4**	410	**F102_91.5 P63 BN63A4**	411
14.9	73	3.4	90.4	4000	**F202_90.4 S05 M05A4**	414	**F202_90.4 P63 BN63A4**	415
16.6	66	2.1	81.3	2800	**F102_81.3 S05 M05A4**	410	**F102_81.3 P63 BN63A4**	411
19.0	57	2.4	71.1	2800	**F102_71.1 S05 M05A4**	410	**F102_71.1 P63 BN63A4**	411
21.4	51	2.8	63.0	2800	**F102_63.0 S05 M05A4**	410	**F102_63.0 P63 BN63A4**	411
23.8	46	3.1	56.7	2800	**F102_56.7 S05 M05A4**	410	**F102_56.7 P63 BN63A4**	411
27.7	39	3.6	48.7	2800	**F102_48.7 S05 M05A4**	410	**F102_48.7 P63 BN63A4**	411
30	36	3.9	44.7	2800	**F102_44.7 S05 M05A4**	410	**F102_44.7 P63 BN63A4**	411
34	32	4.4	39.6	2800	**F102_39.6 S05 M05A4**	410	**F102_39.6 P63 BN63A4**	411
38	29	4.9	35.3	2800	**F102_35.3 S05 M05A4**	410	**F102_35.3 P63 BN63A4**	411
41	27	5.3	33.0	2800	**F102_33.0 S05 M05A4**	410	**F102_33.0 P63 BN63A4**	411
46	24	5.9	29.6	2800	**F102_29.6 S05 M05A4**	410	**F102_29.6 P63 BN63A4**	411
52	21	6.7	25.8	2800	**F102_25.8 S05 M05A4**	410	**F102_25.8 P63 BN63A4**	411
59	18	7.6	22.8	2700	**F102_22.8 S05 M05A4**	410	**F102_22.8 P63 BN63A4**	411
70	16	8.7	19.3	2560	**F102_19.3 S05 M05A4**	410	**F102_19.3 P63 BN63A4**	411
80	14	9.3	17.0	2450	**F102_17.0 S05 M05A4**	410	**F102_17.0 P63 BN63A4**	411
92	12	10.1	14.6	2340	**F102_14.6 S05 M05A4**	410	**F102_14.6 P63 BN63A4**	411
104	11	9.9	13.0	2250	**F102_13.0 S05 M05A4**	410	**F102_13.0 P63 BN63A4**	411
117	9	10.3	11.5	2160	**F102_11.5 S05 M05A4**	410	**F102_11.5 P63 BN63A4**	411
138	8	11.3	9.8	2050	**F102_9.8 S05 M05A4**	410	**F102_9.8 P63 BN63A4**	411
157	7	11.8	8.6	1970	**F102_8.6 S05 M05A4**	410	**F102_8.6 P63 BN63A4**	411
182	6	12.7	7.4	1870	**F102_7.4 S05 M05A4**	410	**F102_7.4 P63 BN63A4**	411



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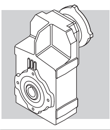
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.41	3804	1.3	2188	35000	**F704_2188 S1 M1SC6**	438	**F704_2188 P71 BN71A6**	439
0.45	3511	1.4	2019	35000	**F704_2019 S1 M1SC6**	438	**F704_2019 P71 BN71A6**	439
0.45	3455	2.3	1987	45000	**F804_1987 S1 M1SC6**	441	**F804_1987 P71 BN71A6**	442
0.49	3189	2.5	1834	45000	**F804_1834 S1 M1SC6**	441	**F804_1834 P71 BN71A6**	442
0.52	2985	1.7	1717	35000	**F704_1717 S1 M1SC6**	438	**F704_1717 P71 BN71A6**	439
0.53	2972	2.7	1709	45000	**F804_1709 S1 M1SC6**	441	**F804_1709 P71 BN71A6**	442
0.57	2756	1.8	1585	35000	**F704_1585 S1 M1SC6**	438	**F704_1585 P71 BN71A6**	439
0.57	2744	2.9	1578	45000	**F804_1578 S1 M1SC6**	441	**F804_1578 P71 BN71A6**	442
0.61	2576	1.9	1481	35000	**F704_1481 S1 M1SC6**	438	**F704_1481 P71 BN71A6**	439
0.65	2406	3.3	1384	45000	**F804_1384 S1 M1SC6**	441	**F804_1384 P71 BN71A6**	442
0.66	2378	2.1	1368	35000	**F704_1368 S1 M1SC6**	438	**F704_1368 P71 BN71A6**	439
0.76	2055	2.4	1182	35000	**F704_1182 S1 M1SC6**	438	**F704_1182 P71 BN71A6**	439
0.77	2030	0.9	1168	12000	**F514_1168 S1 M1SC6**	430	**F514_1168 P71 BN71A6**	431
0.79	1985	1.5	1141	20000	**F604_1141 S1 M1SC6**	434	**F604_1141 P71 BN71A6**	435
0.83	1897	2.6	1091	35000	**F704_1091 S1 M1SC6**	438	**F704_1091 P71 BN71A6**	439
0.84	1861	1.0	1070	12000	**F514_1070 S1 M1SC6**	430	**F514_1070 P71 BN71A6**	431
0.85	1832	1.6	1054	20000	**F604_1054 S1 M1SC6**	434	**F604_1054 P71 BN71A6**	435
0.92	1703	1.1	979.4	12000	**F514_979.4 S1 M1SC6**	430	**F514_979.4 P71 BN71A6**	431
0.92	1694	3.0	974.4	35000	**F704_974.4 S1 M1SC6**	438	**F704_974.4 P71 BN71A6**	439
0.94	1667	1.7	958.9	20000	**F604_958.9 S1 M1SC6**	434	**F604_958.9 P71 BN71A6**	435
1.0	1540	1.2	885.5	12000	**F514_885.5 S1 M1SC6**	430	**F514_885.5 P71 BN71A6**	431
1.0	1539	1.9	885.1	20000	**F604_885.1 S1 M1SC6**	434	**F604_885.1 P71 BN71A6**	435
1.0	1564	3.2	899.4	35000	**F704_899.4 S1 M1SC6**	438	**F704_899.4 P71 BN71A6**	439
1.1	1437	1.3	826.4	12000	**F514_826.4 S1 M1SC6**	430	**F514_826.4 P71 BN71A6**	431
1.1	1430	3.5	822.2	35000	**F704_822.2 S1 M1SC6**	438	**F704_822.2 P71 BN71A6**	439
1.2	1286	0.9	739.4	8500	**F414_739.4 S1 M1SC6**	426	**F414_739.4 P71 BN71A6**	427
1.2	1286	0.9	739.4	8500	**F414_739.4 S1 M1SC6**	426	**F414_739.4 P71 BN71A6**	427
1.3	1200	0.9	690.1	8500	**F414_690.1 S1 M1SC6**	426	**F414_690.1 P71 BN71A6**	427
1.3	1200	0.9	690.1	8500	**F414_690.1 S1 M1SC6**	426	**F414_690.1 P71 BN71A6**	427
1.3	1165	0.9	982.4	8500	**F414_982.4 S05 M05B4**	426	**F414_982.4 P63 BN63B4**	427
1.5	1068	1.0	900.5	8500	**F414_900.5 S05 M05B4**	426	**F414_900.5 P63 BN63B4**	427
1.6	965	1.1	813.8	8500	**F414_813.8 S05 M05B4**	426	**F414_813.8 P63 BN63B4**	427
1.8	877	1.3	739.4	8500	**F414_739.4 S05 M05B4**	426	**F414_739.4 P63 BN63B4**	427
1.9	818	1.3	690.1	8500	**F414_690.1 S05 M05B4**	426	**F414_690.1 P63 BN63B4**	427
2.3	686	0.9	578.6	6500	**F314_578.6 S05 M05B4**	422	**F314_578.6 P63 BN63B4**	423
2.4	652	1.7	549.8	8500	**F414_549.8 S05 M05B4**	426	**F414_549.8 P63 BN63B4**	427
2.5	626	1.0	527.8	6500	**F314_527.8 S05 M05B4**	422	**F314_527.8 P63 BN63B4**	423
2.9	549	1.1	462.6	6500	**F314_462.6 S05 M05B4**	422	**F314_462.6 P63 BN63B4**	423
3.0	514	2.1	433.7	8500	**F414_433.7 S05 M05B4**	426	**F414_433.7 P63 BN63B4**	427
3.2	497	1.2	418.9	6500	**F314_418.9 S05 M05B4**	422	**F314_418.9 P63 BN63B4**	423
3.4	467	0.9	393.9	6500	**F254_393.9 S05 M05B4**	418	**F254_393.9 P63 BN63B4**	419
3.5	454	1.3	374.4	6500			**F313_374.4 P63 BN63B4**	423
3.8	418	2.6	344.8	8500			**F413_344.8 P63 BN63B4**	427
4.0	404	1.0	333.1	6500	**F253_333.1 S05 M05B4**	418	**F253_333.1 P63 BN63B4**	419
4.0	403	1.5	332.8	6500			**F313_332.8 P63 BN63B4**	423
4.5	356	1.7	293.8	6500			**F313_293.8 P63 BN63B4**	423
4.5	359	3.1	296.6	8500			**F413_296.6 P63 BN63B4**	427
4.6	349	1.1	288.1	6500	**F253_288.1 S05 M05B4**	418	**F253_288.1 P63 BN63B4**	419
4.9	323	3.4	266.9	8500			**F413_266.9 P63 BN63B4**	427
5.2	310	1.3	256.1	6500	**F253_256.1 S05 M05B4**	418	**F253_256.1 P63 BN63B4**	419
5.2	307	2.0	253.6	6500			**F313_253.6 P63 BN63B4**	423
5.8	276	1.4	227.8	6500	**F253_227.8 S05 M05B4**	418	**F253_227.8 P63 BN63B4**	419
5.8	277	2.2	228.2	6500			**F313_228.2 P63 BN63B4**	423
6.3	254	1.0	209.3	4000	**F203_209.3 S05 M05B4**	414	**F203_209.3 P63 BN63B4**	415
6.5	245	2.4	202.3	6500			**F313_202.3 P63 BN63B4**	423
6.8	235	1.7	193.6	6500	**F253_193.6 S05 M05B4**	418	**F253_193.6 P63 BN63B4**	419
7.1	224	1.1	184.9	4000	**F203_184.9 S05 M05B4**	414	**F203_184.9 P63 BN63B4**	415
7.1	225	2.7	185.4	6500			**F313_185.4 P63 BN63B4**	423
7.6	209	1.2	172.6	4000	**F203_172.6 S05 M05B4**	414	**F203_172.6 P63 BN63B4**	415
7.6	211	1.9	174.2	6500	**F253_174.2 S05 M05B4**	418	**F253_174.2 P63 BN63B4**	419
7.9	202	3.0	166.8	6500			**F313_166.8 P63 BN63B4**	423
8.4	189	1.3	156.3	4000	**F203_156.3 S05 M05B4**	414	**F203_156.3 P63 BN63B4**	415
8.5	189	2.1	155.9	6500	**F253_155.9 S05 M05B4**	418	**F253_155.9 P63 BN63B4**	419
8.8	183	3.3	150.8	6500			**F313_150.8 P63 BN63B4**	423
9.2	173	2.3	143.0	6500	**F253_143.0 S05 M05B4**	418	**F253_143.0 P63 BN63B4**	419



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n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
9.4	171	3.5	140.7	6500			**F313_140.7 P63 BN63B4**	423
10.0	164	1.5	132.2	4000	**F202_132.2 S05 M05B4**	414	**F202_132.2 P63 BN63B4**	415
10.3	155	2.6	127.8	6500	**F253_127.8 S05 M05B4**	418	**F253_127.8 P63 BN63B4**	419
10.4	157	0.9	127.1	2800	**F102_127.1 S05 M05B4**	410	**F102_127.1 P63 BN63B4**	411
11.5	142	1.8	114.3	4000	**F202_114.3 S05 M05B4**	414	**F202_114.3 P63 BN63B4**	415
11.7	137	2.9	113.0	6500	**F253_113.0 S05 M05B4**	418	**F253_113.0 P63 BN63B4**	419
12.5	131	1.1	106.0	2800	**F102_106.0 S05 M05B4**	410	**F102_106.0 P63 BN63B4**	411
12.5	128	3.1	105.4	6500	**F253_105.4 S05 M05B4**	418	**F253_105.4 P63 BN63B4**	419
13.0	126	2.0	101.6	4000	**F202_101.6 S05 M05B4**	414	**F202_101.6 P63 BN63B4**	415
13.8	116	3.5	95.5	6500	**F253_95.5 S05 M05B4**	418	**F253_95.5 P63 BN63B4**	419
14.4	113	1.2	91.5	2800	**F102_91.5 S05 M05B4**	410	**F102_91.5 P63 BN63B4**	411
14.6	112	2.2	90.4	4000	**F202_90.4 S05 M05B4**	414	**F202_90.4 P63 BN63B4**	415
16.2	101	1.4	81.3	2800	**F102_81.3 S05 M05B4**	410	**F102_81.3 P63 BN63B4**	411
17.2	95	2.6	76.8	4000	**F202_76.8 S05 M05B4**	414	**F202_76.8 P63 BN63B4**	415
18.6	88	1.6	71.1	2800	**F102_71.1 S05 M05B4**	410	**F102_71.1 P63 BN63B4**	411
19.1	86	2.9	69.1	4000	**F202_69.1 S05 M05B4**	414	**F202_69.1 P63 BN63B4**	415
21.0	78	1.8	63.0	2800	**F102_63.0 S05 M05B4**	410	**F102_63.0 P63 BN63B4**	411
21.3	77	3.3	61.9	4000	**F202_61.9 S05 M05B4**	414	**F202_61.9 P63 BN63B4**	415
23.3	70	2.0	56.7	2800	**F102_56.7 S05 M05B4**	410	**F102_56.7 P63 BN63B4**	411
27.1	60	2.3	48.7	2800	**F102_48.7 S05 M05B4**	410	**F102_48.7 P63 BN63B4**	411
29.6	55	2.5	44.7	2800	**F102_44.7 S05 M05B4**	410	**F102_44.7 P63 BN63B4**	411
33	49	2.9	39.6	2800	**F102_39.6 S05 M05B4**	410	**F102_39.6 P63 BN63B4**	411
37	44	3.2	35.3	2800	**F102_35.3 S05 M05B4**	410	**F102_35.3 P63 BN63B4**	411
40	41	3.4	33.0	2800	**F102_33.0 S05 M05B4**	410	**F102_33.0 P63 BN63B4**	411
45	37	3.8	29.6	2800	**F102_29.6 S05 M05B4**	410	**F102_29.6 P63 BN63B4**	411
51	32	4.4	25.8	2780	**F102_25.8 S05 M05B4**	410	**F102_25.8 P63 BN63B4**	411
58	28	5.0	22.8	2680	**F102_22.8 S05 M05B4**	410	**F102_22.8 P63 BN63B4**	411
68	24	5.7	19.3	2540	**F102_19.3 S05 M05B4**	410	**F102_19.3 P63 BN63B4**	411
78	21	6.1	17.0	2440	**F102_17.0 S05 M05B4**	410	**F102_17.0 P63 BN63B4**	411
90	18	6.6	14.6	2330	**F102_14.6 S05 M05B4**	410	**F102_14.6 P63 BN63B4**	411
101	16	6.4	13.0	2240	**F102_13.0 S05 M05B4**	410	**F102_13.0 P63 BN63B4**	411
114	14	6.7	11.5	2150	**F102_11.5 S05 M05B4**	410	**F102_11.5 P63 BN63B4**	411
135	12	7.4	9.8	2040	**F102_9.8 S05 M05B4**	410	**F102_9.8 P63 BN63B4**	411
154	11	7.7	8.6	1960	**F102_8.6 S05 M05B4**	410	**F102_8.6 P63 BN63B4**	411
178	9	8.3	7.4	1870	**F102_7.4 S05 M05B4**	410	**F102_7.4 P63 BN63B4**	411
186	9	10.7	14.6	1860	**F102_14.6 S05 M05A2**	410	**F102_14.6 P63 BN63A2**	411
210	8	10.9	13.0	1790	**F102_13.0 S05 M05A2**	410	**F102_13.0 P63 BN63A2**	411
237	7	11.3	11.5	1720	**F102_11.5 S05 M05A2**	410	**F102_11.5 P63 BN63A2**	411
279	6	12.5	9.8	1630	**F102_9.8 S05 M05A2**	410	**F102_9.8 P63 BN63A2**	411
318	5	13.0	8.6	1560	**F102_8.6 S05 M05A2**	410	**F102_8.6 P63 BN63A2**	411
369	4	14.2	7.4	1490	**F102_7.4 S05 M05A2**	410	**F102_7.4 P63 BN63A2**	411

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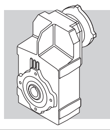
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
0.41	5283	0.9	2188	35000	**F704_2188 S1 M1SD6**	438	**F704_2188 P71 BN71B6**	439
0.45	4877	1.0	2019	35000	**F704_2019 S1 M1SD6**	438	**F704_2019 P71 BN71B6**	439
0.45	4799	1.7	1987	45000	**F804_1987 S1 M1SD6**	441	**F804_1987 P71 BN71B6**	442
0.49	4430	1.8	1834	45000	**F804_1834 S1 M1SD6**	441	**F804_1834 P71 BN71B6**	442
0.52	4146	1.2	1717	35000	**F704_1717 S1 M1SD6**	438	**F704_1717 P71 BN71B6**	439
0.53	4128	1.9	1709	45000	**F804_1709 S1 M1SD6**	441	**F804_1709 P71 BN71B6**	442
0.57	3827	1.3	1585	35000	**F704_1585 S1 M1SD6**	438	**F704_1585 P71 BN71B6**	439
0.57	3810	2.1	1578	45000	**F804_1578 S1 M1SD6**	441	**F804_1578 P71 BN71B6**	442
0.61	3578	1.4	1481	35000	**F704_1481 S1 M1SD6**	438	**F704_1481 P71 BN71B6**	439
0.65	3342	2.4	1384	45000	**F804_1384 S1 M1SD6**	441	**F804_1384 P71 BN71B6**	442
0.66	3303	1.5	1368	35000	**F704_1368 S1 M1SD6**	438	**F704_1368 P71 BN71B6**	439
0.70	3085	2.6	1277	45000	**F804_1277 S1 M1SD6**	441	**F804_1277 P71 BN71B6**	442
0.76	2854	1.8	1182	35000	**F704_1182 S1 M1SD6**	438	**F704_1182 P71 BN71B6**	439



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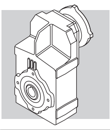
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
0.79	2757	1.1	1141	20000	**F604_1141 S1 M1SD6**	434	**F604_1141 P71 BN71B6**	435
0.79	2769	2.9	1146	45000	**F804_1146 S1 M1SD6**	441	**F804_1146 P71 BN71B6**	442
0.83	2635	1.9	1091	35000	**F704_1091 S1 M1SD6**	438	**F704_1091 P71 BN71B6**	439
0.85	2545	1.1	1054	20000	**F604_1054 S1 M1SD6**	434	**F604_1054 P71 BN71B6**	435
0.85	2556	3.1	1058	45000	**F804_1058 S1 M1SD6**	441	**F804_1058 P71 BN71B6**	442
0.92	2353	2.1	974.4	35000	**F704_974.4 S1 M1SD6**	438	**F704_974.4 P71 BN71B6**	439
0.94	2316	1.3	958.9	20000	**F604_958.9 S1 M1SD6**	434	**F604_958.9 P71 BN71B6**	435
1.0	2138	1.4	885.1	20000	**F604_885.1 S1 M1SD6**	434	**F604_885.1 P71 BN71B6**	435
1.0	2172	2.3	899.4	35000	**F704_899.4 S1 M1SD6**	438	**F704_899.4 P71 BN71B6**	439
1.1	1996	0.9	826.4	12000	**F514_826.4 S1 M1SD6**	430	**F514_826.4 P71 BN71B6**	431
1.1	1986	2.5	822.2	35000	**F704_822.2 S1 M1SD6**	438	**F704_822.2 P71 BN71B6**	439
1.3	1633	1.1	676.3	12000	**F514_676.3 S1 M1SD6**	430	**F514_676.3 P71 BN71B6**	431
1.4	1600	1.8	662.4	20000	**F604_662.4 S1 M1SD6**	434	**F604_662.4 P71 BN71B6**	435
1.4	1588	3.1	657.4	35000	**F704_657.4 S1 M1SD6**	438	**F704_657.4 P71 BN71B6**	439
1.5	1477	2.0	611.4	20000	**F604_611.4 S1 M1SD6**	434	**F604_611.4 P71 BN71B6**	435
1.5	1466	3.4	606.8	35000	**F704_606.8 S1 M1SD6**	438	**F704_606.8 P71 BN71B6**	439
1.7	1282	0.9	813.8	8500	**F414_813.8 S05 M05C4**	426	**F414_813.8 P71 BN71A4**	427
1.8	1199	0.9	739.4	8500	**F414_739.4 S05 M05C4**	426	**F414_739.4 P71 BN71A4**	427
1.9	1119	1.0	690.1	8500	**F414_690.1 S05 M05C4**	426	**F414_690.1 P71 BN71A4**	427
2.4	892	1.2	549.8	8500	**F414_549.8 S05 M05C4**	426	**F414_549.8 P71 BN71A4**	427
2.8	783	2.3	317.3	12000	**F513_317.3 S1 M1SD6**	430	**F513_317.3 P71 BN71B6**	431
3.1	704	1.6	433.7	8500	**F414_433.7 S05 M05C4**	426	**F414_433.7 P71 BN71A4**	427
3.2	679	0.9	418.9	6500	**F314_418.9 S05 M05C4**	422	**F314_418.9 P71 BN71A4**	423
3.7	603	1.0	374.4	6500			**F313_374.4 P71 BN71A4**	423
4.0	555	2.0	344.8	8500			**F413_344.8 P71 BN71A4**	427
4.1	536	1.1	332.8	6500			**F313_332.8 P71 BN71A4**	423
4.7	473	1.3	293.8	6500			**F313_293.8 P71 BN71A4**	423
4.7	477	2.3	296.6	8500			**F413_296.6 P71 BN71A4**	427
5.2	425	0.9	256.1	6500	**F253_256.1 S05 M05C4**	418	**F253_256.1 P71 BN71A4**	419
5.2	430	2.6	266.9	8500			**F413_266.9 P71 BN71A4**	427
5.4	408	1.5	253.6	6500			**F313_253.6 P71 BN71A4**	423
5.7	387	2.8	240.1	8500			**F413_240.1 P71 BN71A4**	427
5.9	378	1.1	227.8	6500	**F253_227.8 S05 M05C4**	418	**F253_227.8 P71 BN71A4**	419
6.0	367	1.6	228.2	6500			**F313_228.2 P71 BN71A4**	423
6.3	354	3.1	220.1	8500			**F413_220.1 P71 BN71A4**	427
6.8	326	1.8	202.3	6500			**F313_202.3 P71 BN71A4**	423
6.9	321	1.2	193.6	6500	**F253_193.6 S05 M05C4**	418	**F253_193.6 P71 BN71A4**	419
6.9	320	3.4	198.9	8500			**F413_198.9 P71 BN71A4**	427
7.4	299	2.0	185.4	6500			**F313_185.4 P71 BN71A4**	423
7.7	289	1.4	174.2	6500	**F253_174.2 S05 M05C4**	418	**F253_174.2 P71 BN71A4**	419
8.0	278	0.9	172.6	4000	**F203_172.6 S05 M05C4**	414	**F203_172.6 P71 BN71A4**	415
8.3	268	2.2	166.8	6500			**F313_166.8 P71 BN71A4**	423
8.6	259	1.0	156.3	4000	**F203_156.3 S05 M05C4**	414	**F203_156.3 P71 BN71A4**	415
8.6	259	1.5	155.9	6500	**F253_155.9 S05 M05C4**	418	**F253_155.9 P71 BN71A4**	419
9.2	243	2.5	150.8	6500			**F313_150.8 P71 BN71A4**	423
9.7	230	1.7	143.0	6500	**F253_143.0 S05 M05C4**	418	**F253_143.0 P71 BN71A4**	419
9.8	227	2.6	140.7	6500			**F313_140.7 P71 BN71A4**	423
10.1	224	1.1	132.2	4000	**F202_132.2 S05 M05C4**	414	**F202_132.2 P71 BN71A4**	415
10.5	212	1.9	127.8	6500	**F253_127.8 S05 M05C4**	418	**F253_127.8 P71 BN71A4**	419
10.7	207	2.9	128.4	6500			**F313_128.4 P71 BN71A4**	423
11.7	194	1.3	114.3	4000	**F202_114.3 S05 M05C4**	414	**F202_114.3 P71 BN71A4**	415
12.2	182	2.2	113.0	6500	**F253_113.0 S05 M05C4**	418	**F253_113.0 P71 BN71A4**	419
12.3	181	3.3	112.5	6500			**F313_112.5 P71 BN71A4**	423
12.7	175	2.3	105.4	6500	**F253_105.4 S05 M05C4**	418	**F253_105.4 P71 BN71A4**	419
13.2	172	1.5	101.6	4000	**F202_101.6 S05 M05C4**	414	**F202_101.6 P71 BN71A4**	415
14.0	158	2.5	95.5	6500	**F253_95.5 S05 M05C4**	418	**F253_95.5 P71 BN71A4**	419
14.6	155	0.9	91.5	2800	**F102_91.5 S05 M05C4**	410	**F102_91.5 P71 BN71A4**	411



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
14.8	153	1.6	90.4	4000	**F202_90.4 S05 M05C4**	414	**F202_90.4 P71 BN71A4**	415
16.1	138	2.9	83.4	6500	**F253_83.4 S05 M05C4**	418	**F253_83.4 P71 BN71A4**	419
16.5	138	1.0	81.3	2800	**F102_81.3 S05 M05C4**	410	**F102_81.3 P71 BN71A4**	411
17.4	130	1.9	76.8	4000	**F202_76.8 S05 M05C4**	414	**F202_76.8 P71 BN71A4**	415
17.5	127	3.2	76.6	6420	**F253_76.6 S05 M05C4**	418	**F253_76.6 P71 BN71A4**	419
18.8	120	1.2	71.1	2800	**F102_71.1 S05 M05C4**	410	**F102_71.1 P71 BN71A4**	411
19.4	117	2.1	69.1	4000	**F202_69.1 S05 M05C4**	414	**F202_69.1 P71 BN71A4**	415
21.3	107	1.3	63.0	2800	**F102_63.0 S05 M05C4**	410	**F102_63.0 P71 BN71A4**	411
21.7	105	2.4	61.9	4000	**F202_61.9 S05 M05C4**	414	**F202_61.9 P71 BN71A4**	415
23.6	96	1.5	56.7	2800	**F102_56.7 S05 M05C4**	410	**F102_56.7 P71 BN71A4**	411
23.6	96	2.6	56.7	4000	**F202_56.7 S05 M05C4**	414	**F202_56.7 P71 BN71A4**	415
26.4	86	2.9	50.7	4000	**F202_50.7 S05 M05C4**	414	**F202_50.7 P71 BN71A4**	415
27.5	83	1.7	48.7	2800	**F102_48.7 S05 M05C4**	410	**F102_48.7 P71 BN71A4**	411
29.9	76	3.3	44.8	3870	**F202_44.8 S05 M05C4**	414	**F202_44.8 P71 BN71A4**	415
30	76	1.9	44.7	2800	**F102_44.7 S05 M05C4**	410	**F102_44.7 P71 BN71A4**	411
34	67	2.1	39.6	2800	**F102_39.6 S05 M05C4**	410	**F102_39.6 P71 BN71A4**	411
38	60	2.3	35.3	2800	**F102_35.3 S05 M05C4**	410	**F102_35.3 P71 BN71A4**	411
41	56	2.5	33.0	2800	**F102_33.0 S05 M05C4**	410	**F102_33.0 P71 BN71A4**	411
45	50	2.8	29.6	2800	**F102_29.6 S05 M05C4**	410	**F102_29.6 P71 BN71A4**	411
52	44	3.2	25.8	2750	**F102_25.8 S05 M05C4**	410	**F102_25.8 P71 BN71A4**	411
59	39	3.6	22.8	2650	**F102_22.8 S05 M05C4**	410	**F102_22.8 P71 BN71A4**	411
69	33	4.2	19.3	2520	**F102_19.3 S05 M05C4**	410	**F102_19.3 P71 BN71A4**	411
81	28	4.6	17.0	2420	**F102_17.0 S05 M05C4**	410	**F102_17.0 P71 BN71A4**	411
91	25	4.8	14.6	2310	**F102_14.6 S05 M05C4**	410	**F102_14.6 P71 BN71A4**	411
103	22	4.7	13.0	2230	**F102_13.0 S05 M05C4**	410	**F102_13.0 P71 BN71A4**	411
120	19	5.1	11.5	2140	**F102_11.5 S05 M05C4**	410	**F102_11.5 P71 BN71A4**	411
137	17	5.4	9.8	2030	**F102_9.8 S05 M05C4**	410	**F102_9.8 P71 BN71A4**	411
161	14	5.8	8.6	1950	**F102_8.6 S05 M05C4**	410	**F102_8.6 P71 BN71A4**	411
181	13	6.1	7.4	1860	**F102_7.4 S05 M05C4**	410	**F102_7.4 P71 BN71A4**	411
187	12	7.7	14.6	1850	**F102_14.6 S05 M05B2**	410	**F102_14.6 P63 BN63B2**	411
210	11	7.9	13.0	1780	**F102_13.0 S05 M05B2**	410	**F102_13.0 P63 BN63B2**	411
237	10	8.2	11.5	1710	**F102_11.5 S05 M05B2**	410	**F102_11.5 P63 BN63B2**	411
280	8	9.0	9.8	1620	**F102_9.8 S05 M05B2**	410	**F102_9.8 P63 BN63B2**	411
319	7	9.4	8.6	1550	**F102_8.6 S05 M05B2**	410	**F102_8.6 P63 BN63B2**	411
370	6	10.3	7.4	1480	**F102_7.4 S05 M05B2**	410	**F102_7.4 P63 BN63B2**	411

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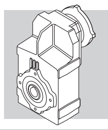
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.46	7024	1.1	1987	45000	**F804_1987 S1 M1LA6**	441	**F804_1987 P80 BN80A6**	442
0.50	6484	1.2	1834	45000	**F804_1834 S1 M1LA6**	441	**F804_1834 P80 BN80A6**	442
0.53	6042	1.3	1709	45000	**F804_1709 S1 M1LA6**	441	**F804_1709 P80 BN80A6**	442
0.57	5602	0.9	1585	35000	**F704_1585 S1 M1LA6**	438	**F704_1585 P80 BN80A6**	439
0.58	5577	1.4	1578	45000	**F804_1578 S1 M1LA6**	441	**F804_1578 P80 BN80A6**	442
0.61	5238	1.0	1481	35000	**F704_1481 S1 M1LA6**	438	**F704_1481 P80 BN80A6**	439
0.63	5137	1.0	2188	35000	**F704_2188 S1 M1SD4**	438	**F704_2188 P71 BN71B4**	439
0.68	4742	1.1	2019	35000	**F704_2019 S1 M1SD4**	438	**F704_2019 P71 BN71B4**	439
0.69	4666	1.7	1987	45000	**F804_1987 S1 M1SD4**	441	**F804_1987 P71 BN71B4**	442
0.75	4307	1.9	1834	45000	**F804_1834 S1 M1SD4**	441	**F804_1834 P71 BN71B4**	442
0.80	4031	1.2	1717	35000	**F704_1717 S1 M1SD4**	438	**F704_1717 P71 BN71B4**	439
0.80	4013	2.0	1709	45000	**F804_1709 S1 M1SD4**	441	**F804_1709 P71 BN71B4**	442
0.86	3721	1.3	1585	35000	**F704_1585 S1 M1SD4**	438	**F704_1585 P71 BN71B4**	439
0.87	3705	2.2	1578	45000	**F804_1578 S1 M1SD4**	441	**F804_1578 P71 BN71B4**	442
0.92	3479	1.4	1481	35000	**F704_1481 S1 M1SD4**	438	**F704_1481 P71 BN71B4**	439
0.99	3250	2.5	1384	45000	**F804_1384 S1 M1SD4**	441	**F804_1384 P71 BN71B4**	442



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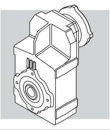
n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
1.0	3211	1.6	1368	35000	**F704_1368 S1 M1SD4**	438	**F704_1368 P71 BN71B4**	439
1.1	3000	2.7	1277	45000	**F804_1277 S1 M1SD4**	441	**F804_1277 P71 BN71B4**	442
1.2	2680	1.1	1141	20000	**F604_1141 S1 M1SD4**	434	**F604_1141 P71 BN71B4**	435
1.2	2775	1.8	1182	35000	**F704_1182 S1 M1SD4**	438	**F704_1182 P71 BN71B4**	439
1.2	2692	3.0	1146	45000	**F804_1146 S1 M1SD4**	441	**F804_1146 P71 BN71B4**	442
1.3	2474	1.2	1054	20000	**F604_1054 S1 M1SD4**	434	**F604_1054 P71 BN71B4**	435
1.3	2562	2.0	1091	35000	**F704_1091 S1 M1SD4**	438	**F704_1091 P71 BN71B4**	439
1.3	2485	3.2	1058	45000	**F804_1058 S1 M1SD4**	441	**F804_1058 P71 BN71B4**	442
1.4	2252	1.3	958.9	20000	**F604_958.9 S1 M1SD4**	434	**F604_958.9 P71 BN71B4**	435
1.4	2288	2.2	974.4	35000	**F704_974.4 S1 M1SD4**	438	**F704_974.4 P71 BN71B4**	439
1.5	2079	0.9	885.5	12000	**F514_885.5 S1 M1SD4**	430	**F514_885.5 P71 BN71B4**	431
1.5	2078	1.4	885.1	20000	**F604_885.1 S1 M1SD4**	434	**F604_885.1 P71 BN71B4**	435
1.5	2112	2.4	899.4	35000	**F704_899.4 S1 M1SD4**	438	**F704_899.4 P71 BN71B4**	439
1.7	1941	0.9	826.4	12000	**F514_826.4 S1 M1SD4**	430	**F514_826.4 P71 BN71B4**	431
1.7	1931	2.6	822.2	35000	**F704_822.2 S1 M1SD4**	438	**F704_822.2 P71 BN71B4**	439
2.0	1588	1.1	676.3	12000	**F514_676.3 S1 M1SD4**	430	**F514_676.3 P71 BN71B4**	431
2.1	1556	1.9	662.4	20000	**F604_662.4 S1 M1SD4**	434	**F604_662.4 P71 BN71B4**	435
2.1	1544	3.2	657.4	35000	**F704_657.4 S1 M1SD4**	438	**F704_657.4 P71 BN71B4**	439
2.2	1436	2.0	611.4	20000	**F604_611.4 S1 M1SD4**	434	**F604_611.4 P71 BN71B4**	435
2.3	1425	3.5	606.8	35000	**F704_606.8 S1 M1SD4**	438	**F704_606.8 P71 BN71B4**	439
2.5	1291	0.9	549.8	8500	**F414_549.8 S1 M1SD4**	426	**F414_549.8 P71 BN71B4**	427
2.6	1246	1.4	530.5	12000	**F514_530.5 S1 M1SD4**	430	**F514_530.5 P71 BN71B4**	431
2.6	1246	2.3	530.7	20000	**F604_530.7 S1 M1SD4**	434	**F604_530.7 P71 BN71B4**	435
2.8	1150	2.5	489.8	20000	**F604_489.8 S1 M1SD4**	434	**F604_489.8 P71 BN71B4**	435
3.2	1018	1.1	433.7	8500	**F414_433.7 S1 M1SD4**	426	**F414_433.7 P71 BN71B4**	427
3.2	1008	1.8	429.1	12000	**F514_429.1 S1 M1SD4**	430	**F514_429.1 P71 BN71B4**	431
3.2	1016	2.9	432.6	20000	**F604_432.6 S1 M1SD4**	434	**F604_432.6 P71 BN71B4**	435
3.4	938	3.1	399.3	20000	**F604_399.3 S1 M1SD4**	434	**F604_399.3 P71 BN71B4**	435
3.9	846	2.1	352.5	12000	**F513_352.5 S1 M1SD4**	430	**F513_352.5 P71 BN71B4**	431
4.0	827	1.3	344.8	8500	**F413_344.8 S1 M1SD4**	426	**F413_344.8 P71 BN71B4**	427
4.3	761	2.4	317.3	12000	**F513_317.3 S1 M1SD4**	430	**F513_317.3 P71 BN71B4**	431
4.6	712	1.5	296.6	8500	**F413_296.6 S1 M1SD4**	426	**F413_296.6 P71 BN71B4**	427
4.8	686	2.6	285.9	12000	**F513_285.9 S1 M1SD4**	430	**F513_285.9 P71 BN71B4**	431
5.1	641	1.7	266.9	8500	**F413_266.9 S1 M1SD4**	426	**F413_266.9 P71 BN71B4**	427
5.2	629	2.9	262.1	12000	**F513_262.1 S1 M1SD4**	430	**F513_262.1 P71 BN71B4**	431
5.4	609	1.0	253.6	6500	**F313_253.6 S1 M1SD4**	422	**F313_253.6 P71 BN71B4**	423
5.7	576	1.9	240.1	8500	**F413_240.1 S1 M1SD4**	426	**F413_240.1 P71 BN71B4**	427
5.7	576	3.1	239.8	12000	**F513_239.8 S1 M1SD4**	430	**F513_239.8 P71 BN71B4**	431
6.0	548	1.1	228.2	6500	**F313_228.2 S1 M1SD4**	422	**F313_228.2 P71 BN71B4**	423
6.2	528	2.1	220.1	8500	**F413_220.1 S1 M1SD4**	426	**F413_220.1 P71 BN71B4**	427
6.3	520	3.5	216.9	12000	**F513_216.9 S1 M1SD4**	430	**F513_216.9 P71 BN71B4**	431
6.8	485	1.2	202.3	6500	**F313_202.3 S1 M1SD4**	422	**F313_202.3 P71 BN71B4**	423
6.9	477	2.3	198.9	8500	**F413_198.9 S1 M1SD4**	426	**F413_198.9 P71 BN71B4**	427
7.4	445	1.3	185.4	6500	**F313_185.4 S1 M1SD4**	422	**F313_185.4 P71 BN71B4**	423
7.6	434	2.5	180.7	8500	**F413_180.7 S1 M1SD4**	426	**F413_180.7 P71 BN71B4**	427
7.9	418	1.0	174.2	6500	**F253_174.2 S1 M1SD4**	418	**F253_174.2 P71 BN71B4**	419
8.1	405	2.7	168.7	8500	**F413_168.7 S1 M1SD4**	426	**F413_168.7 P71 BN71B4**	427
8.2	400	1.5	166.8	6500	**F313_166.8 S1 M1SD4**	422	**F313_166.8 P71 BN71B4**	423
8.8	374	1.1	155.9	6500	**F253_155.9 S1 M1SD4**	418	**F253_155.9 P71 BN71B4**	419
9.1	362	1.7	150.8	6500	**F313_150.8 S1 M1SD4**	422	**F313_150.8 P71 BN71B4**	423
9.6	343	1.2	143.0	6500	**F253_143.0 S1 M1SD4**	418	**F253_143.0 P71 BN71B4**	419
9.7	338	1.8	140.7	6500	**F313_140.7 S1 M1SD4**	422	**F313_140.7 P71 BN71B4**	423
10.2	323	3.4	134.4	8500	**F413_134.4 S1 M1SD4**	426	**F413_134.4 P71 BN71B4**	427
10.7	307	1.3	127.8	6500	**F253_127.8 S1 M1SD4**	418	**F253_127.8 P71 BN71B4**	419
10.7	308	1.9	128.4	6500	**F313_128.4 S1 M1SD4**	422	**F313_128.4 P71 BN71B4**	423
12.1	271	1.5	113.0	6500	**F253_113.0 S1 M1SD4**	418	**F253_113.0 P71 BN71B4**	419
12.2	270	2.2	112.5	6500	**F313_112.5 S1 M1SD4**	422	**F313_112.5 P71 BN71B4**	423
13.0	253	1.6	105.4	6500	**F253_105.4 S1 M1SD4**	418	**F253_105.4 P71 BN71B4**	419
13.4	245	2.5	101.9	6500	**F313_101.9 S1 M1SD4**	422	**F313_101.9 P71 BN71B4**	423
13.5	249	1.0	101.6	4000			**F202_101.6 P71 BN71B4**	415
14.3	229	1.7	95.5	6490	**F253_95.5 S1 M1SD4**	418	**F253_95.5 P71 BN71B4**	419
15.2	222	1.1	90.4	4000	**F202_90.4 S1 M1SD4**	414	**F202_90.4 P71 BN71B4**	415
15.7	210	2.9	87.4	6500	**F313_87.4 S1 M1SD4**	422	**F313_87.4 P71 BN71B4**	423
16.4	200	2.0	83.4	6280	**F253_83.4 S1 M1SD4**	418	**F253_83.4 P71 BN71B4**	419
17.4	189	3.2	78.9	6500	**F313_78.9 S1 M1SD4**	422	**F313_78.9 P71 BN71B4**	423



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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
17.8	188	1.3	76.8	4000	**F202_76.8 S1 M1SD4**	414	**F202_76.8 P71 BN71B4**	415
17.9	184	2.2	76.6	6160	**F253_76.6 S1 M1SD4**	418	**F253_76.6 P71 BN71B4**	419
19.8	169	1.5	69.1	4000	**F202_69.1 S1 M1SD4**	414	**F202_69.1 P71 BN71B4**	415
21.0	157	2.6	65.3	5920	**F253_65.3 S1 M1SD4**	418	**F253_65.3 P71 BN71B4**	419
21.7	154	0.9	63.0	2800	**F102_63.0 S1 M1SD4**	410	**F102_63.0 P71 BN71B4**	411
22.1	152	1.6	61.9	4000	**F202_61.9 S1 M1SD4**	414	**F202_61.9 P71 BN71B4**	415
23.5	140	2.9	58.3	5750	**F253_58.3 S1 M1SD4**	418	**F253_58.3 P71 BN71B4**	419
24.2	139	1.0	56.7	2800	**F102_56.7 S1 M1SD4**	410	**F102_56.7 P71 BN71B4**	411
24.2	139	1.8	56.7	4000	**F202_56.7 S1 M1SD4**	414	**F202_56.7 P71 BN71B4**	415
27.0	124	2.0	50.7	3900	**F202_50.7 S1 M1SD4**	414	**F202_50.7 P71 BN71B4**	415
27.0	122	3.3	50.8	5540	**F253_50.8 S1 M1SD4**	418	**F253_50.8 P71 BN71B4**	419
28.1	119	1.2	48.7	2800	**F102_48.7 S1 M1SD4**	410	**F102_48.7 P71 BN71B4**	411
31	110	1.3	44.7	2800	**F102_44.7 S1 M1SD4**	410	**F102_44.7 P71 BN71B4**	411
31	110	2.3	44.8	3770	**F202_44.8 S1 M1SD4**	414	**F202_44.8 P71 BN71B4**	415
31	109	3.5	44.4	5370	**F252_44.4 S1 M1SD4**	418	**F252_44.4 P71 BN71B4**	419
33	103	2.4	41.8	3700	**F202_41.8 S1 M1SD4**	414	**F202_41.8 P71 BN71B4**	415
35	97	1.4	39.6	2800	**F102_39.6 S1 M1SD4**	410	**F102_39.6 P71 BN71B4**	411
36	93	2.7	37.9	3600	**F202_37.9 S1 M1SD4**	414	**F202_37.9 P71 BN71B4**	415
39	87	1.6	35.3	2800	**F102_35.3 S1 M1SD4**	410	**F102_35.3 P71 BN71B4**	411
41	81	3.1	33.1	3460	**F202_33.1 S1 M1SD4**	414	**F202_33.1 P71 BN71B4**	415
42	81	1.7	33.0	2800	**F102_33.0 S1 M1SD4**	410	**F102_33.0 P71 BN71B4**	411
45	75	3.4	30.4	3380	**F202_30.4 S1 M1SD4**	414	**F202_30.4 P71 BN71B4**	415
46	73	1.9	29.6	2800	**F102_29.6 S1 M1SD4**	410	**F102_29.6 P71 BN71B4**	411
53	63	2.2	25.8	2690	**F102_25.8 S1 M1SD4**	410	**F102_25.8 P71 BN71B4**	411
60	56	2.5	22.8	2600	**F102_22.8 S1 M1SD4**	410	**F102_22.8 P71 BN71B4**	411
71	47	2.9	19.3	2470	**F102_19.3 S1 M1SD4**	410	**F102_19.3 P71 BN71B4**	411
81	42	3.1	17.0	2380	**F102_17.0 S1 M1SD4**	410	**F102_17.0 P71 BN71B4**	411
94	36	3.3	14.6	2280	**F102_14.6 S1 M1SD4**	410	**F102_14.6 P71 BN71B4**	411
105	32	3.3	13.0	2200	**F102_13.0 S1 M1SD4**	410	**F102_13.0 P71 BN71B4**	411
119	28	3.4	11.5	2120	**F102_11.5 S1 M1SD4**	410	**F102_11.5 P71 BN71B4**	411
140	24	3.7	9.8	2010	**F102_9.8 S1 M1SD4**	410	**F102_9.8 P71 BN71B4**	411
160	21	3.9	8.6	1930	**F102_8.6 S1 M1SD4**	410	**F102_8.6 P71 BN71B4**	411
185	18	4.2	7.4	1850	**F102_7.4 S1 M1SD4**	410	**F102_7.4 P71 BN71B4**	411
193	17	5.4	14.6	1830	**F102_14.6 S05 M05C2**	410	**F102_14.6 P71 BN71A2**	411
216	16	5.5	13.0	1760	**F102_13.0 S05 M05C2**	410	**F102_13.0 P71 BN71A2**	411
244	14	5.7	11.5	1690	**F102_11.5 S05 M05C2**	410	**F102_11.5 P71 BN71A2**	411
289	12	6.3	9.8	1610	**F102_9.8 S05 M05C2**	410	**F102_9.8 P71 BN71A2**	411
329	10	6.6	8.6	1540	**F102_8.6 S05 M05C2**	410	**F102_8.6 P71 BN71A2**	411
381	9	7.1	7.4	1470	**F102_7.4 S05 M05C2**	410	**F102_7.4 P71 BN71A2**	411

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n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
0.44	10909	1.3	2099	55000	**F904_2099 S2 M2SA6**	444	**F904_2099 P80 BN80B6**	445
0.47	10070	1.4	1937	55000	**F904_1937 S2 M2SA6**	444	**F904_1937 P80 BN80B6**	445
0.54	8884	0.9	1709	45000	**F804_1709 S2 M2SA6**	441	**F804_1709 P80 BN80B6**	442
0.54	8849	1.6	1702	55000	**F904_1702 S2 M2SA6**	444	**F904_1702 P80 BN80B6**	445
0.58	8201	1.0	1578	45000	**F804_1578 S2 M2SA6**	441	**F804_1578 P80 BN80B6**	442
0.59	8168	1.7	1571	55000	**F904_1571 S2 M2SA6**	444	**F904_1571 P80 BN80B6**	445
0.64	7422	1.9	1428	55000	**F904_1428 S2 M2SA6**	444	**F904_1428 P80 BN80B6**	445
0.66	7193	1.1	1384	45000	**F804_1384 S2 M2SA6**	441	**F804_1384 P80 BN80B6**	442
0.69	6885	1.2	1987	45000	**F804_1987 S1 M1LA4**	441	**F804_1987 P80 BN80A4**	442
0.75	6356	1.3	1834	45000	**F804_1834 S1 M1LA4**	441	**F804_1834 P80 BN80A4**	442
0.81	5923	1.4	1709	45000	**F804_1709 S1 M1LA4**	441	**F804_1709 P80 BN80A4**	442
0.87	5491	0.9	1585	35000	**F704_1585 S1 M1LA4**	438	**F704_1585 P80 BN80A4**	439
0.87	5467	1.5	1578	45000	**F804_1578 S1 M1LA4**	441	**F804_1578 P80 BN80A4**	442
0.93	5134	1.0	1481	35000	**F704_1481 S1 M1LA4**	438	**F704_1481 P80 BN80A4**	439
1.0	4739	1.1	1368	35000	**F704_1368 S1 M1LA4**	438	**F704_1368 P80 BN80A4**	439
1.0	4795	1.7	1384	45000	**F804_1384 S1 M1LA4**	441	**F804_1384 P80 BN80A4**	442
1.1	4427	1.8	1277	45000	**F804_1277 S1 M1LA4**	441	**F804_1277 P80 BN80A4**	442

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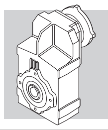
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
1.2	4095	1.2	1182	35000	**F704_1182 S1 M1LA4**	438	**F704_1182 P80 BN80A4**	439
1.2	3972	2.0	1146	45000	**F804_1146 S1 M1LA4**	441	**F804_1146 P80 BN80A4**	442
1.3	3780	1.3	1091	35000	**F704_1091 S1 M1LA4**	438	**F704_1091 P80 BN80A4**	439
1.3	3667	2.2	1058	45000	**F804_1058 S1 M1LA4**	441	**F804_1058 P80 BN80A4**	442
1.4	3323	0.9	958.9	20000	**F604_958.9 S1 M1LA4**	434	**F604_958.9 P80 BN80A4**	435
1.4	3377	1.5	974.4	35000	**F704_974.4 S1 M1LA4**	438	**F704_974.4 P80 BN80A4**	439
1.5	3117	1.6	899.4	35000	**F704_899.4 S1 M1LA4**	438	**F704_899.4 P80 BN80A4**	439
1.5	3109	2.6	897.3	45000	**F804_897.3 S1 M1LA4**	441	**F804_897.3 P80 BN80A4**	442
1.6	3067	0.9	885.1	20000	**F604_885.1 S1 M1LA4**	434	**F604_885.1 P80 BN80A4**	435
1.7	2849	1.8	822.2	35000	**F704_822.2 S1 M1LA4**	438	**F704_822.2 P80 BN80A4**	439
1.8	2684	3.0	774.4	45000	**F804_774.4 S1 M1LA4**	441	**F804_774.4 P80 BN80A4**	442
1.9	2477	3.2	714.9	45000	**F804_714.9 S1 M1LA4**	441	**F804_714.9 P80 BN80A4**	442
2.1	2295	1.3	662.4	20000	**F604_662.4 S1 M1LA4**	434	**F604_662.4 P80 BN80A4**	435
2.1	2278	2.2	657.4	35000	**F704_657.4 S1 M1LA4**	438	**F704_657.4 P80 BN80A4**	439
2.3	2119	1.4	611.4	20000	**F604_611.4 S1 M1LA4**	434	**F604_611.4 P80 BN80A4**	435
2.3	2103	2.4	606.8	35000	**F704_606.8 S1 M1LA4**	438	**F704_606.8 P80 BN80A4**	439
2.6	1838	1.0	530.5	12000	**F514_530.5 S1 M1LA4**	430	**F514_530.5 P80 BN80A4**	431
2.6	1839	1.6	530.7	20000	**F604_530.7 S1 M1LA4**	434	**F604_530.7 P80 BN80A4**	435
2.7	1769	2.8	510.4	35000	**F704_510.4 S1 M1LA4**	438	**F704_510.4 P80 BN80A4**	439
2.8	1698	1.7	489.8	20000	**F604_489.8 S1 M1LA4**	434	**F604_489.8 P80 BN80A4**	435
2.9	1633	3.1	471.2	35000	**F704_471.2 S1 M1LA4**	438	**F704_471.2 P80 BN80A4**	439
3.2	1487	1.2	429.1	12000	**F514_429.1 S1 M1LA4**	430	**F514_429.1 P80 BN80A4**	431
3.2	1499	1.9	432.6	20000	**F604_432.6 S1 M1LA4**	434	**F604_432.6 P80 BN80A4**	435
3.5	1384	2.1	399.3	20000	**F604_399.3 S1 M1LA4**	434	**F604_399.3 P80 BN80A4**	435
3.9	1248	1.4	352.5	12000	**F513_352.5 S1 M1LA4**	430	**F513_352.5 P80 BN80A4**	431
4.0	1221	0.9	344.8	8500	**F413_344.8 S1 M1LA4**	426	**F413_344.8 P80 BN80A4**	427
4.0	1184	2.4	341.7	20000	**F604_341.7 S1 M1LA4**	434	**F604_341.7 P80 BN80A4**	435
4.3	1124	1.6	317.3	12000	**F513_317.3 S1 M1LA4**	430	**F513_317.3 P80 BN80A4**	431
4.4	1093	2.7	315.4	20000	**F604_315.4 S1 M1LA4**	434	**F604_315.4 P80 BN80A4**	435
4.7	1050	1.0	296.6	8500	**F413_296.6 S1 M1LA4**	426	**F413_296.6 P80 BN80A4**	427
4.8	1013	1.8	285.9	12000	**F513_285.9 S1 M1LA4**	430	**F513_285.9 P80 BN80A4**	431
5.2	945	1.2	266.9	8500	**F413_266.9 S1 M1LA4**	426	**F413_266.9 P80 BN80A4**	427
5.3	928	1.9	262.1	12000	**F513_262.1 S1 M1LA4**	430	**F513_262.1 P80 BN80A4**	431
5.7	850	1.3	240.1	8500	**F413_240.1 S1 M1LA4**	426	**F413_240.1 P80 BN80A4**	427
5.8	849	2.1	239.8	12000	**F513_239.8 S1 M1LA4**	430	**F513_239.8 P80 BN80A4**	431
6.3	780	1.4	220.1	8500	**F413_220.1 S1 M1LA4**	426	**F413_220.1 P80 BN80A4**	427
6.4	768	2.3	216.9	12000	**F513_216.9 S1 M1LA4**	430	**F513_216.9 P80 BN80A4**	431
6.8	717	2.5	202.4	12000	**F513_202.4 S1 M1LA4**	430	**F513_202.4 P80 BN80A4**	431
6.9	704	1.6	198.9	8500	**F413_198.9 S1 M1LA4**	426	**F413_198.9 P80 BN80A4**	427
7.4	657	0.9	185.4	6500	**F313_185.4 S1 M1LA4**	422	**F313_185.4 P80 BN80A4**	423
7.6	640	1.7	180.7	8500	**F413_180.7 S1 M1LA4**	426	**F413_180.7 P80 BN80A4**	427
8.2	597	1.8	168.7	8500	**F413_168.7 S1 M1LA4**	426	**F413_168.7 P80 BN80A4**	427
8.3	591	1.0	166.8	6500	**F313_166.8 S1 M1LA4**	422	**F313_166.8 P80 BN80A4**	423
8.3	587	3.1	165.6	12000	**F513_165.6 S1 M1LA4**	430	**F513_165.6 P80 BN80A4**	431
9.2	534	1.1	150.8	6500	**F313_150.8 S1 M1LA4**	422	**F313_150.8 P80 BN80A4**	423
9.8	498	1.2	140.7	6500	**F313_140.7 S1 M1LA4**	422	**F313_140.7 P80 BN80A4**	423
10.3	476	2.3	134.4	8500	**F413_134.4 S1 M1LA4**	426	**F413_134.4 P80 BN80A4**	427
10.7	455	1.3	128.4	6500	**F313_128.4 S1 M1LA4**	422	**F313_128.4 P80 BN80A4**	423
12.2	400	1.0	113.0	6130	**F253_113.0 S1 M1LA4**	418	**F253_113.0 P80 BN80A4**	419
12.3	399	1.5	112.5	6500	**F313_112.5 S1 M1LA4**	422	**F313_112.5 P80 BN80A4**	423
13.0	375	2.9	106.0	8500	**F413_106.0 S1 M1LA4**	426	**F413_106.0 P80 BN80A4**	427
13.1	373	1.1	105.4	6070	**F253_105.4 S1 M1LA4**	418	**F253_105.4 P80 BN80A4**	419
13.5	361	1.7	101.9	6500	**F313_101.9 S1 M1LA4**	422	**F313_101.9 P80 BN80A4**	423
14.5	338	1.2	95.5	5980	**F253_95.5 S1 M1LA4**	418	**F253_95.5 P80 BN80A4**	419
15.8	309	1.9	87.4	6500	**F313_87.4 S1 M1LA4**	422	**F313_87.4 P80 BN80A4**	423
16.5	295	1.4	83.4	5840	**F253_83.4 S1 M1LA4**	418	**F253_83.4 P80 BN80A4**	419
17.5	279	2.1	78.9	6500	**F313_78.9 S1 M1LA4**	422	**F313_78.9 P80 BN80A4**	423
18.0	278	0.9	76.8	4000	**F202_76.8 S1 M1LA4**	414	**F202_76.8 P80 BN80A4**	415
18.0	271	1.5	76.6	5750	**F253_76.6 S1 M1LA4**	418	**F253_76.6 P80 BN80A4**	419
20.0	250	1.0	69.1	3980	**F202_69.1 S1 M1LA4**	414	**F202_69.1 P80 BN80A4**	415
20.0	245	2.5	69.1	6500	**F313_69.1 S1 M1LA4**	422	**F313_69.1 P80 BN80A4**	423
21.1	231	1.7	65.3	5570	**F253_65.3 S1 M1LA4**	418	**F253_65.3 P80 BN80A4**	419
22.1	221	2.7	62.8	6500			**F313_62.8 P80 BN80A4**	423
22.3	224	1.1	61.9	3890	**F202_61.9 S1 M1LA4**	414	**F202_61.9 P80 BN80A4**	415
23.7	207	1.9	58.3	5430	**F253_58.3 S1 M1LA4**	418	**F253_58.3 P80 BN80A4**	419

0.55 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
24.3	205	1.2	56.7	3810	**F202_56.7 S1 M1LA4**	414	**F202_56.7 P80 BN80A4**	415
26.7	183	3.3	52.1	6500			**F313_52.1 P80 BN80A4**	423
27.2	184	1.4	50.7	3720	**F202_50.7 S1 M1LA4**	414	**F202_50.7 P80 BN80A4**	415
27.2	180	2.2	50.8	5270	**F253_50.8 S1 M1LA4**	418	**F253_50.8 P80 BN80A4**	419
29.2	167	3.5	47.5	6500			**F313_47.5 P80 BN80A4**	423
31	162	1.5	44.8	3610	**F202_44.8 S1 M1LA4**	414	**F202_44.8 P80 BN80A4**	415
31	161	2.4	44.4	5140	**F252_44.4 S1 M1LA4**	418	**F252_44.4 P80 BN80A4**	419
31	160	2.5	45.6	5130			**F253_45.6 P80 BN80A4**	419
33	151	1.7	41.8	3550	**F202_41.8 S1 M1LA4**	414	**F202_41.8 P80 BN80A4**	415
34	147	2.5	40.7	5030	**F252_40.7 S1 M1LA4**	418	**F252_40.7 P80 BN80A4**	419
35	143	1.0	39.6	2800	**F102_39.6 S1 M1LA4**	410	**F102_39.6 P80 BN80A4**	411
36	137	1.8	37.9	3460	**F202_37.9 S1 M1LA4**	414	**F202_37.9 P80 BN80A4**	415
38	132	3.0	36.4	4890	**F252_36.4 S1 M1LA4**	418	**F252_36.4 P80 BN80A4**	419
39	128	1.1	35.3	2800	**F102_35.3 S1 M1LA4**	410	**F102_35.3 P80 BN80A4**	411
42	119	1.2	33.0	2750	**F102_33.0 S1 M1LA4**	410	**F102_33.0 P80 BN80A4**	411
42	120	2.1	33.1	3340	**F202_33.1 S1 M1LA4**	414	**F202_33.1 P80 BN80A4**	415
43	116	3.4	32.2	4730	**F252_32.2 S1 M1LA4**	418	**F252_32.2 P80 BN80A4**	419
45	110	2.3	30.4	3260	**F202_30.4 S1 M1LA4**	414	**F202_30.4 P80 BN80A4**	415
47	107	1.3	29.6	2680	**F102_29.6 S1 M1LA4**	410	**F102_29.6 P80 BN80A4**	411
53	94	2.6	25.9	3130	**F202_25.9 S1 M1LA4**	414	**F202_25.9 P80 BN80A4**	415
54	93	1.5	25.8	2590	**F102_25.8 S1 M1LA4**	410	**F102_25.8 P80 BN80A4**	411
60	83	1.7	22.8	2510	**F102_22.8 S1 M1LA4**	410	**F102_22.8 P80 BN80A4**	411
60	84	2.8	23.1	3030	**F202_23.1 S1 M1LA4**	414	**F202_23.1 P80 BN80A4**	415
68	73	3.1	20.2	2910	**F202_20.2 S1 M1LA4**	414	**F202_20.2 P80 BN80A4**	415
71	70	1.9	19.3	2400	**F102_19.3 S1 M1LA4**	410	**F102_19.3 P80 BN80A4**	411
77	65	3.3	18.1	2820	**F202_18.1 S1 M1LA4**	414	**F202_18.1 P80 BN80A4**	415
81	61	2.1	17.0	2310	**F102_17.0 S1 M1LA4**	410	**F102_17.0 P80 BN80A4**	411
94	53	2.2	14.6	2220	**F102_14.6 S1 M1LA4**	410	**F102_14.6 P80 BN80A4**	411
106	47	2.2	13.0	2140	**F102_13.0 S1 M1LA4**	410	**F102_13.0 P80 BN80A4**	411
120	42	2.3	11.5	2070	**F102_11.5 S1 M1LA4**	410	**F102_11.5 P80 BN80A4**	411
141	35	2.5	9.8	1970	**F102_9.8 S1 M1LA4**	410	**F102_9.8 P80 BN80A4**	411
161	31	2.6	8.6	1890	**F102_8.6 S1 M1LA4**	410	**F102_8.6 P80 BN80A4**	411
186	27	2.8	7.4	1810	**F102_7.4 S1 M1LA4**	410	**F102_7.4 P80 BN80A4**	411
193	26	3.6	14.6	1800	**F102_14.6 S1 M1SD2**	410	**F102_14.6 P71 BN71B2**	411
216	23	3.7	13.0	1730	**F102_13.0 S1 M1SD2**	410	**F102_13.0 P71 BN71B2**	411
244	20	3.8	11.5	1670	**F102_11.5 S1 M1SD2**	410	**F102_11.5 P71 BN71B2**	411
289	17	4.2	9.8	1590	**F102_9.8 S1 M1SD2**	410	**F102_9.8 P71 BN71B2**	411
329	15	4.4	8.6	1530	**F102_8.6 S1 M1SD2**	410	**F102_8.6 P71 BN71B2**	411
381	13	4.8	7.4	1460	**F102_7.4 S1 M1SD2**	410	**F102_7.4 P71 BN71B2**	411

0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
0.45	14391	1.0	2098.7	55000	**F904_2099 S3 ME3SA6**	444	**F904_2099 P90 BE90S6**	445
0.49	13284	1.1	1937.3	55000	**F904_1937 S3 ME3SA6**	444	**F904_1937 P90 BE90S6**	445
0.55	11673	1.2	1702.3	55000	**F904_1702 S3 ME3SA6**	444	**F904_1702 P90 BE90S6**	445
0.60	10775	1.3	1571.4	55000	**F904_1571 S3 ME3SA6**	444	**F904_1571 P90 BE90S6**	445
0.66	9791	1.4	1427.9	55000	**F904_1428 S3 ME3SA6**	444	**F904_1428 P90 BE90S6**	445
0.68	9444	1.5	2098.7	55000	**F904_2099 S2 ME2SB4**	444	**F904_2099 P80 BE80B4**	445
0.72	8941	0.9	1986.8	45000	**F804_1987 S2 ME2SB4**	441	**F804_1987 P80 BE80B4**	442
0.74	8718	1.6	1937.3	55000	**F904_1937 S2 ME2SB4**	444	**F904_1937 P80 BE80B4**	445
0.78	8253	1.0	1834.0	45000	**F804_1834 S2 ME2SB4**	441	**F804_1834 P80 BE80B4**	442
0.84	7691	1.0	1709.1	45000	**F804_1709 S2 ME2SB4**	441	**F804_1709 P80 BE80B4**	442
0.84	7660	1.8	1702.3	55000	**F904_1702 S2 ME2SB4**	444	**F904_1702 P80 BE80B4**	445
0.91	7099	1.1	1577.6	45000	**F804_1578 S2 ME2SB4**	441	**F804_1578 P80 BE80B4**	442
0.91	7071	2.0	1571.4	55000	**F904_1571 S2 ME2SB4**	444	**F904_1571 P80 BE80B4**	445
1.0	6426	2.2	1427.9	55000	**F904_1428 S2 ME2SB4**	444	**F904_1428 P80 BE80B4**	445
1.0	6227	1.3	1383.8	45000	**F804_1384 S2 ME2SB4**	441	**F804_1384 P80 BE80B4**	442



0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
1.1	5931	2.4	1318.1	55000	F904_1318 S2 ME2SB4	444	F904_1318 P80 BE80B4	445
1.1	5748	1.4	1277.3	45000	F804_1277 S2 ME2SB4	441	F804_1277 P80 BE80B4	442
1.2	5422	2.6	1204.9	55000	F904_1205 S2 ME2SB4	444	F904_1205 P80 BE80B4	445
1.2	5318	0.9	1181.8	35000	F704_1182 S2 ME2SB4	438	F704_1182 P80 BE80B4	439
1.2	5158	1.6	1146.2	45000	F804_1146 S2 ME2SB4	441	F804_1146 P80 BE80B4	442
1.3	5005	2.8	1112.3	55000	F904_1112 S2 ME2SB4	444	F904_1112 P80 BE80B4	445
1.3	4909	1.0	1090.9	35000	F704_1091 S2 ME2SB4	438	F704_1091 P80 BE80B4	439
1.4	4761	1.7	1058.1	45000	F804_1058 S2 ME2SB4	441	F804_1058 P80 BE80B4	442
1.5	4437	3.2	986.0	55000	F904_986.0 S2 ME2SB4	444	F904_986.0 P80 BE80B4	445
1.5	4385	1.1	974.4	35000	F704_974.4 S2 ME2SB4	438	F704_974.4 P80 BE80B4	439
1.5	4374	1.8	972.0	45000	F804_972.0 S2 ME2SB4	441	F804_972.0 P80 BE80B4	442
1.6	4096	3.4	910.2	55000	F904_910.2 S2 ME2SB4	444	F904_910.2 P80 BE80B4	445
1.6	4047	1.2	899.4	35000	F704_899.4 S2 ME2SB4	438	F704_899.4 P80 BE80B4	439
1.6	4038	2.0	897.3	45000	F804_897.3 S2 ME2SB4	441	F804_897.3 P80 BE80B4	442
1.7	3700	1.4	822.2	35000	F704_822.2 S2 ME2SB4	438	F704_822.2 P80 BE80B4	439
1.8	3485	2.3	774.4	45000	F804_774.4 S2 ME2SB4	441	F804_774.4 P80 BE80B4	442
1.9	3415	1.5	759.0	35000	F704_759.0 S2 ME2SB4	438	F704_759.0 P80 BE80B4	439
2.0	3217	2.5	714.9	45000	F804_714.9 S2 ME2SB4	441	F804_714.9 P80 BE80B4	442
2.2	2981	1.0	662.4	20000	F604_662.4 S2 ME2SB4	434	F604_662.4 P80 BE80B4	435
2.2	2958	1.7	657.4	35000	F704_657.4 S2 ME2SB4	438	F704_657.4 P80 BE80B4	439
2.3	2751	1.1	611.4	20000	F604_611.4 S2 ME2SB4	434	F604_611.4 P80 BE80B4	435
2.3	2749	2.9	610.9	45000	F804_610.9 S2 ME2SB4	441	F804_610.9 P80 BE80B4	442
2.4	2731	1.8	606.8	35000	F704_606.8 S2 ME2SB4	438	F704_606.8 P80 BE80B4	439
2.5	2537	3.2	563.9	45000	F804_563.9 S2 ME2SB4	441	F804_563.9 P80 BE80B4	442
2.7	2388	1.2	530.7	20000	F604_530.7 S2 ME2SB4	434	F604_530.7 P80 BE80B4	435
2.8	2297	2.2	510.4	35000	F704_510.4 S2 ME2SB4	438	F704_510.4 P80 BE80B4	439
2.9	2204	1.3	489.8	20000	F604_489.8 S2 ME2SB4	434	F604_489.8 P80 BE80B4	435
3.0	2120	2.4	471.2	35000	F704_471.2 S2 ME2SB4	438	F704_471.2 P80 BE80B4	439
3.3	1947	1.5	432.6	20000	F604_432.6 S2 ME2SB4	434	F604_432.6 P80 BE80B4	435
3.3	1931	0.9	429.1	12000	F514_429.1 S2 ME2SB4	430	F514_429.1 P80 BE80B4	431
3.5	1816	2.8	403.5	35000	F704_403.5 S2 ME2SB4	438	F704_403.5 P80 BE80B4	439
3.6	1797	1.6	399.3	20000	F604_399.3 S2 ME2SB4	434	F604_399.3 P80 BE80B4	435
3.8	1676	3.0	372.5	35000	F704_372.5 S2 ME2SB4	438	F704_372.5 P80 BE80B4	439
4.1	1639	1.1	352.5	12000	F513_352.5 S2 ME2SB4	430	F513_352.5 P80 BE80B4	431
4.2	1538	1.9	341.7	20000	F604_341.7 S2 ME2SB4	434	F604_341.7 P80 BE80B4	435
4.5	1475	1.2	317.3	12000	F513_317.3 S2 ME2SB4	430	F513_317.3 P80 BE80B4	431
4.5	1419	2.0	315.4	20000	F604_315.4 S2 ME2SB4	434	F604_315.4 P80 BE80B4	435
4.7	1370	3.7	304.3	35000	F704_304.3 S2 ME2SB4	438	F704_304.3 P80 BE80B4	439
5.0	1330	1.4	285.9	12000	F513_285.9 S2 ME2SB4	430	F513_285.9 P80 BE80B4	431
5.1	1305	2.2	280.7	20000	F603_280.7 S2 ME2SB4	434	F603_280.7 P80 BE80B4	435
5.5	1219	1.5	262.1	12000	F513_262.1 S2 ME2SB4	430	F513_262.1 P80 BE80B4	431
5.5	1205	2.4	259.1	20000	F603_259.1 S2 ME2SB4	434	F603_259.1 P80 BE80B4	435
6.0	1117	1.0	240.1	8500	F413_240.1 S2 ME2SB4	426	F413_240.1 P80 BE80B4	427
6.0	1115	1.6	239.8	12000	F513_239.8 S2 ME2SB4	430	F513_239.8 P80 BE80B4	431
6.1	1096	2.6	235.8	20000	F603_235.8 S2 ME2SB4	434	F603_235.8 P80 BE80B4	435
6.5	1024	1.1	220.1	8500	F413_220.1 S2 ME2SB4	426	F413_220.1 P80 BE80B4	427
6.6	1012	2.9	217.6	20000	F603_217.6 S2 ME2SB4	434	F603_217.6 P80 BE80B4	435
6.6	1008	1.8	216.9	12000	F513_216.9 S2 ME2SB4	430	F513_216.9 P80 BE80B4	431
7.1	941	1.9	202.4	12000	F513_202.4 S2 ME2SB4	430	F513_202.4 P80 BE80B4	431
7.1	936	3.1	201.4	20000	F603_201.4 S2 ME2SB4	434	F603_201.4 P80 BE80B4	435
7.2	925	1.2	198.9	8500	F413_198.9 S2 ME2SB4	426	F413_198.9 P80 BE80B4	427
7.7	864	3.4	185.9	20000	F603_185.9 S2 ME2SB4	434	F603_185.9 P80 BE80B4	435
7.9	840	1.3	180.7	8500	F413_180.7 S2 ME2SB4	426	F413_180.7 P80 BE80B4	427
8.5	784	1.4	168.7	8500	F413_168.7 S2 ME2SB4	426	F413_168.7 P80 BE80B4	427
8.6	770	2.3	165.6	12000	F513_165.6 S2 ME2SB4	430	F513_165.6 P80 BE80B4	431
8.8	757	3.8	162.9	20000	F603_162.9 S2 ME2SB4	434	F603_162.9 P80 BE80B4	435
10.2	654	0.9	140.7	6500	F313_140.7 S2 ME2SB4	422	F313_140.7 P80 BE80B4	423
10.6	625	1.8	134.4	8500	F413_134.4 S2 ME2SB4	426	F413_134.4 P80 BE80B4	427
11.0	604	3.0	129.9	12000	F513_129.9 S2 ME2SB4	430	F513_129.9 P80 BE80B4	431
11.1	597	1.0	128.4	6500	F313_128.4 S2 ME2SB4	422	F313_128.4 P80 BE80B4	423

0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
12.7	523	1.1	112.5	6500	**F313_112.5 S2 ME2SB4**	422	**F313_112.5 P80 BE80B4**	423
13.5	493	2.2	106.0	8500	**F413_106.0 S2 ME2SB4**	426	**F413_106.0 P80 BE80B4**	427
14.0	474	1.3	101.9	6500	**F313_101.9 S2 ME2SB4**	422	**F313_101.9 P80 BE80B4**	423
15.0	444	0.9	95.5	5450	**F253_95.5 S2 ME2SB4**	418	**F253_95.5 P80 BE80B4**	419
16.4	406	1.5	87.4	6500	**F313_87.4 S2 ME2SB4**	422	**F313_87.4 P80 BE80B4**	423
16.8	395	2.8	84.9	8500	**F413_84.9 S2 ME2SB4**	426	**F413_84.9 P80 BE80B4**	427
17.1	388	1.0	83.4	5350	**F253_83.4 S2 ME2SB4**	418	**F253_83.4 P80 BE80B4**	419
18.1	367	1.6	78.9	6500	**F313_78.9 S2 ME2SB4**	422	**F313_78.9 P80 BE80B4**	423
18.7	356	1.1	76.6	5300	**F253_76.6 S2 ME2SB4**	418	**F253_76.6 P80 BE80B4**	419
20.7	321	1.9	69.1	6500	**F313_69.1 S2 ME2SB4**	422	**F313_69.1 P80 BE80B4**	423
21.5	309	3.6	66.5	8500	**F413_66.5 S2 ME2SB4**	426	**F413_66.5 P80 BE80B4**	427
21.9	304	1.3	65.3	5180	**F253_65.3 S2 ME2SB4**	418	**F253_65.3 P80 BE80B4**	419
22.8	292	2.1	62.8	6500	**F313_62.8 S2 ME2SB4**	422	**F313_62.8 P80 BE80B4**	423
24.5	271	1.5	58.3	5080	**F253_58.3 S2 ME2SB4**	418	**F253_58.3 P80 BE80B4**	419
25.2	269	0.9	56.7	3590	**F202_56.7 S2 ME2SB4**	414	**F202_56.7 P80 BE80B4**	415
27.5	242	2.5	52.1	6500	**F313_52.1 S2 ME2SB4**	422	**F313_52.1 P80 BE80B4**	423
28.2	236	1.7	50.8	4960	**F253_50.8 S2 ME2SB4**	418	**F253_50.8 P80 BE80B4**	419
28.2	241	1.0	50.7	3510	**F202_50.7 S2 ME2SB4**	414	**F202_50.7 P80 BE80B4**	415
30	221	2.6	47.5	6500	**F313_47.5 S2 ME2SB4**	422	**F313_47.5 P80 BE80B4**	423
31	212	1.9	45.6	4860	**F253_45.6 S2 ME2SB4**	418	**F253_45.6 P80 BE80B4**	419
32	213	1.2	44.8	3420	**F202_44.8 S2 ME2SB4**	414	**F202_44.8 P80 BE80B4**	415
32	212	2.8	44.6	6500	**F312_44.6 S2 ME2SB4**	422	**F312_44.6 P80 BE80B4**	423
32	211	1.8	44.4	4890	**F252_44.4 S2 ME2SB4**	418	**F252_44.4 P80 BE80B4**	419
34	199	1.3	41.8	3370	**F202_41.8 S2 ME2SB4**	414	**F202_41.8 P80 BE80B4**	415
35	193	1.9	40.7	4790	**F252_40.7 S2 ME2SB4**	418	**F252_40.7 P80 BE80B4**	419
35	192	3.1	40.4	6500	**F312_40.4 S2 ME2SB4**	422	**F312_40.4 P80 BE80B4**	423
38	180	1.4	37.9	3300	**F202_37.9 S2 ME2SB4**	414	**F202_37.9 P80 BE80B4**	415
38	179	3.4	37.7	6500	**F312_37.7 S2 ME2SB4**	422	**F312_37.7 P80 BE80B4**	423
39	173	2.3	36.4	4680	**F252_36.4 S2 ME2SB4**	418	**F252_36.4 P80 BE80B4**	419
43	157	1.6	33.1	3200	**F202_33.1 S2 ME2SB4**	414	**F202_33.1 P80 BE80B4**	415
44	153	2.6	32.2	4540	**F252_32.2 S2 ME2SB4**	418	**F252_32.2 P80 BE80B4**	419
47	144	1.7	30.4	3140	**F202_30.4 S2 ME2SB4**	414	**F202_30.4 P80 BE80B4**	415
48	143	2.8	30.0	4470	**F252_30.0 S2 ME2SB4**	418	**F252_30.0 P80 BE80B4**	419
48	141	1.0	29.6	2550	**F102_29.6 S2 ME2SB4**	410	**F102_29.6 P80 BE80B4**	411
53	129	3.1	27.2	4360	**F252_27.2 S2 ME2SB4**	418	**F252_27.2 P80 BE80B4**	419
55	123	1.9	25.9	3020	**F202_25.9 S2 ME2SB4**	414	**F202_25.9 P80 BE80B4**	415
55	122	1.1	25.8	2470	**F102_25.8 S2 ME2SB4**	410	**F102_25.8 P80 BE80B4**	411
60	113	3.5	23.8	4210	**F252_23.8 S2 ME2SB4**	418	**F252_23.8 P80 BE80B4**	419
62	110	2.1	23.1	2930	**F202_23.1 S2 ME2SB4**	414	**F202_23.1 P80 BE80B4**	415
63	108	1.3	22.8	2400	**F102_22.8 S2 ME2SB4**	410	**F102_22.8 P80 BE80B4**	411
71	96	2.3	20.2	2830	**F202_20.2 S2 ME2SB4**	414	**F202_20.2 P80 BE80B4**	415
74	92	1.5	19.3	2310	**F102_19.3 S2 ME2SB4**	410	**F102_19.3 P80 BE80B4**	411
79	86	2.5	18.1	2740	**F202_18.1 S2 ME2SB4**	414	**F202_18.1 P80 BE80B4**	415
84	81	1.6	17.0	2230	**F102_17.0 S2 ME2SB4**	410	**F102_17.0 P80 BE80B4**	411
97	70	2.9	14.8	2600	**F202_14.8 S2 ME2SB4**	414	**F202_14.8 P80 BE80B4**	415
98	70	1.7	14.6	2150	**F102_14.6 S2 ME2SB4**	410	**F102_14.6 P80 BE80B4**	411
110	62	1.7	13.0	2070	**F102_13.0 S2 ME2SB4**	410	**F102_13.0 P80 BE80B4**	411
124	55	1.8	11.5	2010	**F102_11.5 S2 ME2SB4**	410	**F102_11.5 P80 BE80B4**	411
146	46	1.9	9.8	1920	**F102_9.8 S2 ME2SB4**	410	**F102_9.8 P80 BE80B4**	411
167	41	2.0	8.6	1850	**F102_8.6 S2 ME2SB4**	410	**F102_8.6 P80 BE80B4**	411
193	35	2.2	7.4	1770	**F102_7.4 S2 ME2SB4**	410	**F102_7.4 P80 BE80B4**	411
195	35	2.7	14.6	1770	**F102_14.6 S2 ME2SA2**	410	**F102_14.6 P80 BE80A2**	411
219	31	2.7	13.0	1710	**F102_13.0 S2 ME2SA2**	410	**F102_13.0 P80 BE80A2**	411
247	28	2.8	11.5	1650	**F102_11.5 S2 ME2SA2**	410	**F102_11.5 P80 BE80A2**	411
292	23	3.1	9.8	1570	**F102_9.8 S2 ME2SA2**	410	**F102_9.8 P80 BE80A2**	411
332	20.5	3.2	8.6	1510	**F102_8.6 S2 ME2SA2**	410	**F102_8.6 P80 BE80A2**	411
385	17.7	3.6	7.4	1440	**F102_7.4 S2 ME2SA2**	410	**F102_7.4 P80 BE80A2**	411

1.1 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
0.60	15694	0.9	1571.4	55000	**F904_1571 S3 ME3LA6**	444	**F904_1571 P100 BE100M6**	445
0.66	14285	1.0	1427.9	55000	**F904_1428 S3 ME3LA6**	444	**F904_1428 P100 BE100M6**	445
0.68	13977	1.0	2098.7	55000	**F904_2099 S3 ME3SA4**	444	**F904_2099 P90 BE90S4**	445
0.74	12902	1.1	1937.3	55000	**F904_1937 S3 ME3SA4**	444	**F904_1937 P90 BE90S4**	445
0.84	11337	1.2	1702.3	55000	**F904_1702 S3 ME3SA4**	444	**F904_1702 P90 BE90S4**	445
0.91	10465	1.3	1571.4	55000	**F904_1571 S3 ME3SA4**	444	**F904_1571 P90 BE90S4**	445
1.0	9510	1.5	1427.9	55000	**F904_1428 S3 ME3SA4**	444	**F904_1428 P90 BE90S4**	445
1.1	8778	1.6	1318.1	55000	**F904_1318 S3 ME3SA4**	444	**F904_1318 P90 BE90S4**	445
1.1	8507	0.9	1277.3	45000	**F804_1277 S3 ME3SA4**	441	**F804_1277 P90 BE90S4**	442
1.2	8025	1.7	1204.9	55000	**F904_1205 S3 ME3SA4**	444	**F904_1205 P90 BE90S4**	445
1.2	7634	1.0	1146.2	45000	**F804_1146 S3 ME3SA4**	441	**F804_1146 P90 BE90S4**	442
1.3	7408	1.9	1112.3	55000	**F904_1112 S3 ME3SA4**	444	**F904_1112 P90 BE90S4**	445
1.4	7047	1.1	1058.1	45000	**F804_1058 S3 ME3SA4**	441	**F804_1058 P90 BE90S4**	442
1.5	6567	2.1	986.0	55000	**F904_986.0 S3 ME3SA4**	444	**F904_986.0 P90 BE90S4**	445
1.5	6474	1.2	972.0	45000	**F804_972.0 S3 ME3SA4**	441	**F804_972.0 P90 BE90S4**	442
1.6	6062	2.3	910.2	55000	**F904_910.2 S3 ME3SA4**	444	**F904_910.2 P90 BE90S4**	445
1.6	5976	1.3	897.3	45000	**F804_897.3 S3 ME3SA4**	441	**F804_897.3 P90 BE90S4**	442
1.7	5476	0.9	822.2	35000	**F704_822.2 S3 ME3SA4**	438	**F704_822.2 P90 BE90S4**	439
1.8	5158	1.6	774.4	45000	**F804_774.4 S3 ME3SA4**	441	**F804_774.4 P90 BE90S4**	442
1.8	5151	2.7	773.4	55000	**F904_773.4 S3 ME3SA4**	444	**F904_773.4 P90 BE90S4**	445
1.9	5055	1.0	759.0	35000	**F704_759.0 S3 ME3SA4**	438	**F704_759.0 P90 BE90S4**	439
1.9	4893	1.6	489.1	45000	**F804_489.1 S3 ME3LA6**	441	**F804_489.1 P100 BE100M6**	442
2.0	4761	1.7	714.9	45000	**F804_714.9 S3 ME3SA4**	441	**F804_714.9 P90 BE90S4**	442
2.0	4755	2.9	714.0	55000	**F904_714.0 S3 ME3SA4**	444	**F904_714.0 P90 BE90S4**	445
2.1	4517	1.8	451.5	45000	**F804_451.5 S3 ME3LA6**	441	**F804_451.5 P100 BE100M6**	442
2.2	4378	1.1	657.4	35000	**F704_657.4 S3 ME3SA4**	438	**F704_657.4 P90 BE90S4**	439
2.3	4167	3.4	625.6	55000	**F904_625.6 S3 ME3SA4**	444	**F904_625.6 P90 BE90S4**	445
2.3	4068	2.0	610.9	45000	**F804_610.9 S3 ME3SA4**	441	**F804_610.9 P90 BE90S4**	442
2.4	4042	1.2	606.8	35000	**F704_606.8 S3 ME3SA4**	438	**F704_606.8 P90 BE90S4**	439
2.5	3846	3.6	577.5	55000	**F904_577.5 S3 ME3SA4**	444	**F904_577.5 P90 BE90S4**	445
2.5	3755	2.1	563.9	45000	**F804_563.9 S3 ME3SA4**	441	**F804_563.9 P90 BE90S4**	442
2.8	3399	1.5	510.4	35000	**F704_510.4 S3 ME3SA4**	438	**F704_510.4 P90 BE90S4**	439
2.9	3262	0.9	489.8	20000	**F604_489.8 S3 ME3SA4**	434	**F604_489.8 P90 BE90S4**	435
2.9	3258	2.5	489.1	45000	**F804_489.1 S3 ME3SA4**	441	**F804_489.1 P90 BE90S4**	442
3.0	3138	1.6	471.2	35000	**F704_471.2 S3 ME3SA4**	438	**F704_471.2 P90 BE90S4**	439
3.2	3007	2.7	451.5	45000	**F804_451.5 S3 ME3SA4**	441	**F804_451.5 P90 BE90S4**	442
3.3	2881	1.0	432.6	20000	**F604_432.6 S3 ME3SA4**	434	**F604_432.6 P90 BE90S4**	435
3.5	2687	1.9	403.5	35000	**F704_403.5 S3 ME3SA4**	438	**F704_403.5 P90 BE90S4**	439
3.6	2660	1.1	399.3	20000	**F604_399.3 S3 ME3SA4**	434	**F604_399.3 P90 BE90S4**	435
3.7	2552	3.1	383.2	45000	**F804_383.2 S3 ME3SA4**	441	**F804_383.2 P90 BE90S4**	442
3.8	2481	2.0	372.5	35000	**F704_372.5 S3 ME3SA4**	438	**F704_372.5 P90 BE90S4**	439
4.0	2356	3.4	353.7	45000	**F804_353.7 S3 ME3SA4**	441	**F804_353.7 P90 BE90S4**	442
4.2	2276	1.3	341.7	20000	**F604_341.7 S3 ME3SA4**	434	**F604_341.7 P90 BE90S4**	435
4.5	2100	1.4	315.4	20000	**F604_315.4 S3 ME3SA4**	434	**F604_315.4 P90 BE90S4**	435
4.7	2027	2.5	304.3	35000	**F704_304.3 S3 ME3SA4**	438	**F704_304.3 P90 BE90S4**	439
5.0	1968	0.9	285.9	12000	**F513_285.9 S3 ME3SA4**	430	**F513_285.9 P90 BE90S4**	431
5.1	1871	2.7	280.9	35000	**F704_280.9 S3 ME3SA4**	438	**F704_280.9 P90 BE90S4**	439
5.1	1932	1.5	280.7	20000	**F603_280.7 S3 ME3SA4**	434	**F603_280.7 P90 BE90S4**	435
5.5	1804	1.0	262.1	12000	**F513_262.1 S3 ME3SA4**	430	**F513_262.1 P90 BE90S4**	431
5.5	1783	1.6	259.1	20000	**F603_259.1 S3 ME3SA4**	434	**F603_259.1 P90 BE90S4**	435
6.0	1651	1.1	239.8	12000	**F513_239.8 S3 ME3SA4**	430	**F513_239.8 P90 BE90S4**	431
6.1	1623	1.8	235.8	20000	**F603_235.8 S3 ME3SA4**	434	**F603_235.8 P90 BE90S4**	435
6.1	1562	3.2	234.6	35000	**F704_234.6 S3 ME3SA4**	438	**F704_234.6 P90 BE90S4**	439
6.6	1498	1.9	217.6	20000	**F603_217.6 S3 ME3SA4**	434	**F603_217.6 P90 BE90S4**	435
6.6	1492	1.2	216.9	12000	**F513_216.9 S3 ME3SA4**	430	**F513_216.9 P90 BE90S4**	431
6.6	1442	3.5	216.5	35000	**F704_216.5 S3 ME3SA4**	438	**F704_216.5 P90 BE90S4**	439
7.1	1393	1.3	202.4	12000	**F513_202.4 S3 ME3SA4**	430	**F513_202.4 P90 BE90S4**	431

1.1 kW

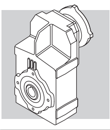
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
7.1	1386	2.1	201.4	20000	**F603_201.4 S3 ME3SA4**	434	**F603_201.4 P90 BE90S4**	435
7.7	1279	2.3	185.9	20000	**F603_185.9 S3 ME3SA4**	434	**F603_185.9 P90 BE90S4**	435
7.9	1244	0.9	180.7	8500	**F413_180.7 S3 ME3SA4**	426	**F413_180.7 P90 BE90S4**	427
8.5	1161	0.9	168.7	8500	**F413_168.7 S3 ME3SA4**	426	**F413_168.7 P90 BE90S4**	427
8.6	1140	1.6	165.6	12000	**F513_165.6 S3 ME3SA4**	430	**F513_165.6 P90 BE90S4**	431
8.8	1121	2.6	162.9	20000	**F603_162.9 S3 ME3SA4**	434	**F603_162.9 P90 BE90S4**	435
9.5	1035	2.8	150.4	20000	**F603_150.4 S3 ME3SA4**	434	**F603_150.4 P90 BE90S4**	435
10.6	925	1.2	134.4	8500	**F413_134.4 S3 ME3SA4**	426	**F413_134.4 P90 BE90S4**	427
11.0	894	2.0	129.9	12000	**F513_129.9 S3 ME3SA4**	430	**F513_129.9 P90 BE90S4**	431
13.5	730	1.5	106.0	8500	**F413_106.0 S3 ME3SA4**	426	**F413_106.0 P90 BE90S4**	427
13.6	723	2.5	105.1	12000	**F513_105.1 S3 ME3SA4**	430	**F513_105.1 P90 BE90S4**	431
16.4	601	1.0	87.4	6500	**F313_87.4 S3 ME3SA4**	422	**F313_87.4 P90 BE90S4**	423
16.8	584	1.9	84.9	8500	**F413_84.9 S3 ME3SA4**	426	**F413_84.9 P90 BE90S4**	427
17.2	573	3.1	83.2	12000	**F513_83.2 S3 ME3SA4**	430	**F513_83.2 P90 BE90S4**	431
18.1	543	1.1	78.9	6500	**F313_78.9 S3 ME3SA4**	422	**F313_78.9 P90 BE90S4**	423
20.7	475	1.3	69.1	6500	**F313_69.1 S3 ME3SA4**	422	**F313_69.1 P90 BE90S4**	423
21.5	458	2.4	66.5	8500	**F413_66.5 S3 ME3SA4**	426	**F413_66.5 P90 BE90S4**	427
21.9	450	0.9	65.3	4610	**F253_65.3 S3 ME3SA4**	418	**F253_65.3 P90 BE90S4**	419
22.8	432	1.4	62.8	6500	**F313_62.8 S3 ME3SA4**	422	**F313_62.8 P90 BE90S4**	423
23.7	415	2.7	60.2	8500	**F413_60.2 S3 ME3SA4**	426	**F413_60.2 P90 BE90S4**	427
24.5	401	1.0	58.3	4500	**F253_58.3 S3 ME3SA4**	418	**F253_58.3 P90 BE90S4**	419
27.5	359	1.7	52.1	6500	**F313_52.1 S3 ME3SA4**	422	**F313_52.1 P90 BE90S4**	423
27.8	354	3.1	51.5	8500	**F413_51.5 S3 ME3SA4**	426	**F413_51.5 P90 BE90S4**	427
28.2	350	1.1	50.8	4450	**F253_50.8 S3 ME3SA4**	418	**F253_50.8 P90 BE90S4**	419
29.8	337	3.2	47.9	8500	**F412_47.9 S3 ME3SA4**	426	**F412_47.9 P90 BE90S4**	427
30	327	1.8	47.5	6500	**F313_47.5 S3 ME3SA4**	422	**F313_47.5 P90 BE90S4**	423
31	314	1.3	45.6	4400	**F253_45.6 S3 ME3SA4**	418	**F253_45.6 P90 BE90S4**	419
32	314	1.9	44.6	6500	**F312_44.6 S3 ME3SA4**	422	**F312_44.6 P90 BE90S4**	423
32	312	1.2	44.4	4470	**F252_44.4 S3 ME3SA4**	418	**F252_44.4 P90 BE90S4**	419
35	286	1.3	40.7	4410	**F252_40.7 S3 ME3SA4**	418	**F252_40.7 P90 BE90S4**	419
35	284	2.1	40.4	6500	**F312_40.4 S3 ME3SA4**	422	**F312_40.4 P90 BE90S4**	423
38	266	0.9	37.9	3050	**F202_37.9 S3 ME3SA4**	414	**F202_37.9 P90 BE90S4**	415
38	265	2.3	37.7	6500	**F312_37.7 S3 ME3SA4**	422	**F312_37.7 P90 BE90S4**	423
39	256	1.6	36.4	4330	**F252_36.4 S3 ME3SA4**	418	**F252_36.4 P90 BE90S4**	419
42	242	2.5	34.4	6500	**F312_34.4 S3 ME3SA4**	422	**F312_34.4 P90 BE90S4**	423
43	233	1.1	33.1	2980	**F202_33.1 S3 ME3SA4**	414	**F202_33.1 P90 BE90S4**	415
44	226	1.8	32.2	4240	**F252_32.2 S3 ME3SA4**	418	**F252_32.2 P90 BE90S4**	419
47	214	1.2	30.4	2930	**F202_30.4 S3 ME3SA4**	414	**F202_30.4 P90 BE90S4**	415
47	212	2.8	30.1	6500	**F312_30.1 S3 ME3SA4**	422	**F312_30.1 P90 BE90S4**	423
48	211	1.9	30.0	4190	**F252_30.0 S3 ME3SA4**	418	**F252_30.0 P90 BE90S4**	419
52	192	3.1	27.3	6500	**F312_27.3 S3 ME3SA4**	422	**F312_27.3 P90 BE90S4**	423
53	191	2.1	27.2	4100	**F252_27.2 S3 ME3SA4**	418	**F252_27.2 P90 BE90S4**	419
55	182	1.3	25.9	2840	**F202_25.9 S3 ME3SA4**	414	**F202_25.9 P90 BE90S4**	415
60	167	2.4	23.8	3990	**F252_23.8 S3 ME3SA4**	418	**F252_23.8 P90 BE90S4**	419
62	163	1.4	23.1	2780	**F202_23.1 S3 ME3SA4**	414	**F202_23.1 P90 BE90S4**	415
66	153	2.6	21.8	3920	**F252_21.8 S3 ME3SA4**	418	**F252_21.8 P90 BE90S4**	419
71	142	1.6	20.2	2690	**F202_20.2 S3 ME3SA4**	414	**F202_20.2 P90 BE90S4**	415
74	136	1.0	19.3	2170	**F102_19.3 S3 ME3SA4**	410	**F102_19.3 P90 BE90S4**	411
77	131	3.1	18.6	3780	**F252_18.6 S3 ME3SA4**	418	**F252_18.6 P90 BE90S4**	419
79	127	1.7	18.1	2620	**F202_18.1 S3 ME3SA4**	414	**F202_18.1 P90 BE90S4**	415
84	119	1.1	17.0	2110	**F102_17.0 S3 ME3SA4**	410	**F102_17.0 P90 BE90S4**	411
86	117	3.4	16.6	3670	**F252_16.6 S3 ME3SA4**	418	**F252_16.6 P90 BE90S4**	419
97	104	2.0	14.8	2500	**F202_14.8 S3 ME3SA4**	414	**F202_14.8 P90 BE90S4**	415
98	103	1.2	14.6	2050	**F102_14.6 S3 ME3SA4**	410	**F102_14.6 P90 BE90S4**	411
110	92	1.1	13.0	1980	**F102_13.0 S3 ME3SA4**	410	**F102_13.0 P90 BE90S4**	411
124	81	1.2	11.5	1920	**F102_11.5 S3 ME3SA4**	410	**F102_11.5 P90 BE90S4**	411
127	79	2.2	11.2	2310	**F202_11.2 S3 ME3SA4**	414	**F202_11.2 P90 BE90S4**	415

1.1 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
143	71	2.3	10.0	2200	**F202_10.0 S3 ME3SA4**	414	**F202_10.0 P90 BE90S4**	415
146	69	1.3	9.8	1840	**F102_9.8 S3 ME3SA4**	410	**F102_9.8 P90 BE90S4**	411
164	61	2.5	8.7	2160	**F202_8.7 S3 ME3SA4**	414	**F202_8.7 P90 BE90S4**	415
167	60	1.4	8.6	1780	**F102_8.6 S3 ME3SA4**	410	**F102_8.6 P90 BE90S4**	411
183	55	2.6	7.8	2100	**F202_7.8 S3 ME3SA4**	414	**F202_7.8 P90 BE90S4**	415
193	52	1.5	7.4	1720	**F102_7.4 S3 ME3SA4**	410	**F102_7.4 P90 BE90S4**	411
223	45	2.9	6.4	1980	**F202_6.4 S3 ME3SA4**	414	**F202_6.4 P90 BE90S4**	415
245	41	1.9	11.5	1600	**F102_11.5S2ME2SB2**	410	**F102_11.5 P90 BE90B2**	411
252	40	3.6	11.2	1910	**F202_11.2S2ME2SB2**	414	**F202_11.2 P90 BE90B2**	415
290	34	2.1	9.8	1530	**F102_9.8S2ME2SB2**	410	**F102_9.8 P90 BE90B2**	411
330	30	2.2	8.6	1480	**F102_8.6S2ME2SB2**	410	**F102_8.6 P90 BE90B2**	411
382	26	2.4	7.4	1410	**F102_7.4S2ME2SB2**	410	**F102_7.4 P90 BE90B2**	411

1.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
0.8	15321	0.9	1702.3	55000	**F904_1702 S3 ME3SB4**	444	**F904_1702 P90 BE90LA4**	445
0.9	14142	1.0	1571.4	55000	**F904_1571 S3 ME3SB4**	444	**F904_1571 P90 BE90LA4**	445
1.0	12851	1.1	1427.9	55000	**F904_1428 S3 ME3SB4**	444	**F904_1428 P90 BE90LA4**	445
1.1	11863	1.2	1318.1	55000	**F904_1318 S3 ME3SB4**	444	**F904_1318 P90 BE90LA4**	445
1.2	10845	1.3	1204.9	55000	**F904_1205 S3 ME3SB4**	444	**F904_1205 P90 BE90LA4**	445
1.3	10010	1.4	1112.3	55000	**F904_1112 S3 ME3SB4**	444	**F904_1112 P90 BE90LA4**	445
1.5	8874	1.6	986.0	55000	**F904_986.0 S3 ME3SB4**	444	**F904_986.0 P90 BE90LA4**	445
1.5	8748	0.9	972.0	45000	**F804_972.0 S3 ME3SB4**	441	**F804_972.0 P90 BE90LA4**	442
1.6	8192	1.7	910.2	55000	**F904_910.2 S3 ME3SB4**	444	**F904_910.2 P90 BE90LA4**	445
1.6	8075	1.0	897.3	45000	**F804_897.3 S3 ME3SB4**	441	**F804_897.3 P90 BE90LA4**	442
1.8	6970	1.1	774.4	45000	**F804_774.4 S3 ME3SB4**	441	**F804_774.4 P90 BE90LA4**	442
1.8	6961	2.0	773.4	55000	**F904_773.4 S3 ME3SB4**	444	**F904_773.4 P90 BE90LA4**	445
2.0	6434	1.2	714.9	45000	**F804_714.9 S3 ME3SB4**	441	**F804_714.9 P90 BE90LA4**	442
2.0	6426	2.2	714.0	55000	**F904_714.0 S3 ME3SB4**	444	**F904_714.0 P90 BE90LA4**	445
2.3	5631	2.5	625.6	55000	**F904_625.6 S3 ME3SB4**	444	**F904_625.6 P90 BE90LA4**	445
2.3	5498	1.5	610.9	45000	**F804_610.9 S3 ME3SB4**	441	**F804_610.9 P90 BE90LA4**	442
2.4	5462	0.9	606.8	35000	**F704_606.8 S3 ME3SB4**	438	**F704_606.8 P90 BE90LA4**	439
2.5	5197	2.7	577.5	55000	**F904_577.5 S3 ME3SB4**	444	**F904_577.5 P90 BE90LA4**	445
2.5	5075	1.6	563.9	45000	**F804_563.9 S3 ME3SB4**	441	**F804_563.9 P90 BE90LA4**	442
2.8	4594	1.1	510.4	35000	**F704_510.4 S3 ME3SB4**	438	**F704_510.4 P90 BE90LA4**	439
2.9	4460	3.1	495.6	55000	**F904_495.6 S3 ME3SB4**	444	**F904_495.6 P90 BE90LA4**	445
2.9	4402	1.8	489.1	45000	**F804_489.1 S3 ME3SB4**	441	**F804_489.1 P90 BE90LA4**	442
3.0	4240	1.2	471.2	35000	**F704_471.2 S3 ME3SB4**	438	**F704_471.2 P90 BE90LA4**	439
3.1	4117	3.4	457.5	55000	**F904_457.5 S3 ME3SB4**	444	**F904_457.5 P90 BE90LA4**	445
3.2	4063	2.0	451.5	45000	**F804_451.5 S3 ME3SB4**	441	**F804_451.5 P90 BE90LA4**	442
3.5	3632	1.4	403.5	35000	**F704_403.5 S3 ME3SB4**	438	**F704_403.5 P90 BE90LA4**	439
3.7	3448	2.3	383.2	45000	**F804_383.2 S3 ME3SB4**	441	**F804_383.2 P90 BE90LA4**	442
3.8	3352	1.5	372.5	35000	**F704_372.5 S3 ME3SB4**	438	**F704_372.5 P90 BE90LA4**	439
4.0	3183	2.5	353.7	45000	**F804_353.7 S3 ME3SB4**	441	**F804_353.7 P90 BE90LA4**	442
4.2	3075	0.9	341.7	20000	**F604_341.7 S3 ME3SB4**	434	**F604_341.7 P90 BE90LA4**	435
4.5	2839	1.0	315.4	20000	**F604_315.4 S3 ME3SB4**	434	**F604_315.4 P90 BE90LA4**	435
4.7	2739	1.8	304.3	35000	**F704_304.3 S3 ME3SB4**	438	**F704_304.3 P90 BE90LA4**	439
4.8	2670	3.0	296.7	45000	**F804_296.7 S3 ME3SB4**	441	**F804_296.7 P90 BE90LA4**	442
5.1	2528	2.0	280.9	35000	**F704_280.9 S3 ME3SB4**	438	**F704_280.9 P90 BE90LA4**	439
5.1	2610	1.1	280.7	20000	**F603_280.7 S3 ME3SB4**	434	**F603_280.7 P90 BE90LA4**	435
5.2	2465	3.2	273.9	45000	**F804_273.9 S3 ME3SB4**	441	**F804_273.9 P90 BE90LA4**	442
5.5	2409	1.2	259.1	20000	**F603_259.1 S3 ME3SB4**	434	**F603_259.1 P90 BE90LA4**	435



1.5 kW

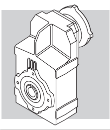
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
6.1	2193	1.3	235.8	20000	**F603_235.8 S3 ME3SB4**	434	**F603_235.8 P90 BE90LA4**	435
6.1	2111	2.4	234.6	35000	**F704_234.6 S3 ME3SB4**	438	**F704_234.6 P90 BE90LA4**	439
6.6	2024	1.4	217.6	20000	**F603_217.6 S3 ME3SB4**	434	**F603_217.6 P90 BE90LA4**	435
6.6	1949	2.6	216.5	35000	**F704_216.5 S3 ME3SB4**	438	**F704_216.5 P90 BE90LA4**	439
7.1	1882	1.0	202.4	12000	**F513_202.4 S3 ME3SB4**	430	**F513_202.4 P90 BE90LA4**	431
7.1	1873	1.5	201.4	20000	**F603_201.4 S3 ME3SB4**	434	**F603_201.4 P90 BE90LA4**	435
7.3	1823	2.7	196.0	35000	**F703_196.0 S3 ME3SB4**	438	**F703_196.0 P90 BE90LA4**	439
7.7	1729	1.7	185.9	20000	**F603_185.9 S3 ME3SB4**	434	**F603_185.9 P90 BE90LA4**	435
7.9	1683	3.0	180.9	35000	**F703_180.9 S3 ME3SB4**	438	**F703_180.9 P90 BE90LA4**	439
8.6	1550	3.2	166.7	35000	**F703_166.7 S3 ME3SB4**	438	**F703_166.7 P90 BE90LA4**	439
8.6	1540	1.2	165.6	12000	**F513_165.6 S3 ME3SB4**	430	**F513_165.6 P90 BE90LA4**	431
8.8	1515	1.9	162.9	20000	**F603_162.9 S3 ME3SB4**	434	**F603_162.9 P90 BE90LA4**	435
9.3	1431	3.5	153.8	35000	**F703_153.8 S3 ME3SB4**	438	**F703_153.8 P90 BE90LA4**	439
9.5	1398	2.1	150.4	20000	**F603_150.4 S3 ME3SB4**	434	**F603_150.4 P90 BE90LA4**	435
10.6	1250	0.9	134.4	8500	**F413_134.4 S3 ME3SB4**	426	**F413_134.4 P90 BE90LA4**	427
11.0	1214	2.4	130.5	20000	**F603_130.5 S3 ME3SB4**	434	**F603_130.5 P90 BE90LA4**	435
11.0	1208	1.5	129.9	12000	**F513_129.9 S3 ME3SB4**	430	**F513_129.9 P90 BE90LA4**	431
11.9	1120	2.6	120.5	20000	**F603_120.5 S3 ME3SB4**	434	**F603_120.5 P90 BE90LA4**	435
13.4	989	2.9	106.4	20000	**F603_106.4 S3 ME3SB4**	434	**F603_106.4 P90 BE90LA4**	435
13.5	986	1.1	106.0	8500	**F413_106.0 S3 ME3SB4**	426	**F413_106.0 P90 BE90LA4**	427
13.6	977	1.8	105.1	12000	**F513_105.1 S3 ME3SB4**	430	**F513_105.1 P90 BE90LA4**	431
14.6	913	3.2	98.2	20000	**F603_98.2 S3 ME3SB4**	434	**F603_98.2 P90 BE90LA4**	435
16.8	789	1.4	84.9	8500	**F413_84.9 S3 ME3SB4**	426	**F413_84.9 P90 BE90LA4**	427
17.2	774	2.3	83.2	12000	**F513_83.2 S3 ME3SB4**	430	**F513_83.2 P90 BE90LA4**	431
20.7	642	0.9	69.1	6500	**F313_69.1 S3 ME3SB4**	422	**F313_69.1 P90 BE90LA4**	423
21.5	618	1.8	66.5	8500	**F413_66.5 S3 ME3SB4**	426	**F413_66.5 P90 BE90LA4**	427
21.7	612	2.9	65.8	12000	**F513_65.8 S3 ME3SB4**	430	**F513_65.8 P90 BE90LA4**	431
22.8	584	1.0	62.8	6500	**F313_62.8 S3 ME3SB4**	422	**F313_62.8 P90 BE90LA4**	423
23.7	560	2.0	60.2	8500	**F413_60.2 S3 ME3SB4**	426	**F413_60.2 P90 BE90LA4**	427
27.5	484	1.2	52.1	6500	**F313_52.1 S3 ME3SB4**	422	**F313_52.1 P90 BE90LA4**	423
27.8	479	2.3	51.5	8500	**F413_51.5 S3 ME3SB4**	426	**F413_51.5 P90 BE90LA4**	427
29.8	455	2.4	47.9	8500	**F412_47.9 S3 ME3SB4**	426	**F412_47.9 P90 BE90LA4**	427
30	442	1.3	47.5	6500	**F313_47.5 S3 ME3SB4**	422	**F313_47.5 P90 BE90LA4**	423
31	424	0.9	45.6	3880	**F253_45.6 S3 ME3SB4**	418	**F253_45.6 P90 BE90LA4**	419
32	424	1.4	44.6	6500	**F312_44.6 S3 ME3SB4**	422	**F312_44.6 P90 BE90LA4**	423
32	422	0.9	44.4	4180	**F252_44.4 S3 ME3SB4**	418	**F252_44.4 P90 BE90LA4**	419
35	387	1.0	40.7	3970	**F252_40.7 S3 ME3SB4**	418	**F252_40.7 P90 BE90LA4**	419
35	383	1.6	40.4	6500	**F312_40.4 S3 ME3SB4**	422	**F312_40.4 P90 BE90LA4**	423
37	363	3.0	38.2	8500	**F412_38.2 S3 ME3SB4**	426	**F412_38.2 P90 BE90LA4**	427
38	358	1.7	37.7	6500	**F312_37.7 S3 ME3SB4**	422	**F312_37.7 P90 BE90LA4**	423
39	346	1.2	36.4	3940	**F252_36.4 S3 ME3SB4**	418	**F252_36.4 P90 BE90LA4**	419
42	326	1.8	34.4	6500	**F312_34.4 S3 ME3SB4**	422	**F312_34.4 P90 BE90LA4**	423
44	306	1.3	32.2	3890	**F252_32.2 S3 ME3SB4**	418	**F252_32.2 P90 BE90LA4**	419
47	286	2.1	30.1	6500	**F312_30.1 S3 ME3SB4**	422	**F312_30.1 P90 BE90LA4**	423
48	285	1.4	30.0	3860	**F252_30.0 S3 ME3SB4**	418	**F252_30.0 P90 BE90LA4**	419
52	259	2.3	27.3	6500	**F312_27.3 S3 ME3SB4**	422	**F312_27.3 P90 BE90LA4**	423
53	258	1.5	27.2	3810	**F252_27.2 S3 ME3SB4**	418	**F252_27.2 P90 BE90LA4**	419
55	246	1.0	25.9	2640	**F202_25.9 S3 ME3SB4**	414	**F202_25.9 P90 BE90LA4**	415
60	226	1.8	23.8	3730	**F252_23.8 S3 ME3SB4**	418	**F252_23.8 P90 BE90LA4**	419
61	222	2.7	23.4	6480	**F312_23.4 S3 ME3SB4**	422	**F312_23.4 P90 BE90LA4**	423
62	220	1.1	23.1	2600	**F202_23.1 S3 ME3SB4**	414	**F202_23.1 P90 BE90LA4**	415
66	207	1.9	21.8	3680	**F252_21.8 S3 ME3SB4**	418	**F252_21.8 P90 BE90LA4**	419
68	201	3.0	21.1	6320	**F312_21.1 S3 ME3SB4**	422	**F312_21.1 P90 BE90LA4**	423
71	191	1.2	20.2	2530	**F202_20.2 S3 ME3SB4**	414	**F202_20.2 P90 BE90LA4**	415
77	177	2.3	18.6	3570	**F252_18.6 S3 ME3SB4**	418	**F252_18.6 P90 BE90LA4**	419
77	176	3.4	18.5	6110	**F312_18.5 S3 ME3SB4**	422	**F312_18.5 P90 BE90LA4**	423
79	172	1.2	18.1	2480	**F202_18.1 S3 ME3SB4**	414	**F202_18.1 P90 BE90LA4**	415

1.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
86	158	2.5	16.6	3490	**F252_16.6 S3 ME3SB4**	418	**F252_16.6 P90 BE90LA4**	419
97	141	1.4	14.8	2380	**F202_14.8 S3 ME3SB4**	414	**F202_14.8 P90 BE90LA4**	415
99	137	2.9	14.5	3390	**F252_14.5 S3 ME3SB4**	418	**F252_14.5 P90 BE90LA4**	419
110	123	3.2	13.0	3310	**F252_13.0 S3 ME3SB4**	418	**F252_13.0 P90 BE90LA4**	419
124	110	0.9	11.5	1160	**F102_11.5 S3 ME3SB4**	410	**F102_11.5 P90 BE90LA4**	411
127	107	1.7	11.2	2220	**F202_11.2 S3 ME3SB4**	414	**F202_11.2 P90 BE90LA4**	415
143	95	1.7	10.0	2160	**F202_10.0 S3 ME3SB4**	414	**F202_10.0 P90 BE90LA4**	415
146	93	1.0	9.8	1760	**F102_9.8 S3 ME3SB4**	410	**F102_9.8 P90 BE90LA4**	411
153	89	3.0	9.4	3070	**F252_9.4 S3 ME3SB4**	418	**F252_9.4 P90 BE90LA4**	419
164	83	1.9	8.7	2090	**F202_8.7 S3 ME3SB4**	414	**F202_8.7 P90 BE90LA4**	415
167	82	1.0	8.6	1710	**F102_8.6 S3 ME3SB4**	410	**F102_8.6 P90 BE90LA4**	411
170	80	3.3	8.4	2980	**F252_8.4 S3 ME3SB4**	418	**F252_8.4 P90 BE90LA4**	419
183	74	1.9	7.8	2030	**F202_7.8 S3 ME3SB4**	414	**F202_7.8 P90 BE90LA4**	415
193	70	1.1	7.4	1650	**F102_7.4 S3 ME3SB4**	410	**F102_7.4 P90 BE90LA4**	411
223	61	2.1	6.4	1930	**F202_6.4 S3 ME3SB4**	414	**F202_6.4 P90 BE90LA4**	415
247	55	1.4	11.5	1560	**F102_11.5 S3 ME3SA2**	410	**F102_11.5 P90 BE90SA2**	411
254	54	2.6	11.2	1860	**F202_11.2 S3 ME3SA2**	414	**F202_11.2 P90 BE90SA2**	415
292	47	1.6	9.8	1490	**F102_9.8 S3 ME3SA2**	410	**F102_9.8 P90 BE90SA2**	411
327	42	3.0	8.7	1740	**F202_8.7 S3 ME3SA2**	414	**F202_8.7 P90 BE90SA2**	415
333	41	1.6	8.6	1440	**F102_8.6 S3 ME3SA2**	410	**F102_8.6 P90 BE90SA2**	411
364	37	3.1	7.8	1680	**F202_7.8 S3 ME3SA2**	414	**F202_7.8 P90 BE90SA2**	415
386	35	1.8	7.4	1380	**F102_7.4 S3 ME3SA2**	410	**F102_7.4 P90 BE90SA2**	411
445	31	3.4	6.4	1590	**F202_6.4 S3 ME3SA2**	414	**F202_6.4 P90 BE90SA2**	415

2.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
1.2	15941	0.9	1204.9	55000	**F904_1205 S3 ME3LA4**	444	**F904_1205 P100 BE100LA4**	445
1.3	14715	1.0	1112.3	55000	**F904_1112 S3 ME3LA4**	444	**F904_1112 P100 BE100LA4**	445
1.5	13045	1.1	986.0	55000	**F904_986.0 S3 ME3LA4**	444	**F904_986.0 P100 BE100LA4**	445
1.6	12042	1.2	910.2	55000	**F904_910.2 S3 ME3LA4**	444	**F904_910.2 P100 BE100LA4**	445
1.8	10233	1.4	773.4	55000	**F904_773.4 S3 ME3LA4**	444	**F904_773.4 P100 BE100LA4**	445
2.0	9446	1.5	714.0	55000	**F904_714.0 S3 ME3LA4**	444	**F904_714.0 P100 BE100LA4**	445
2.3	8277	1.7	625.6	55000	**F904_625.6 S3 ME3LA4**	444	**F904_625.6 P100 BE100LA4**	445
2.3	8082	1.0	610.9	45000	**F804_610.9 S3 ME3LA4**	441	**F804_610.9 P100 BE100LA4**	442
2.5	7640	1.8	577.5	55000	**F904_577.5 S3 ME3LA4**	444	**F904_577.5 P100 BE100LA4**	445
2.5	7460	1.1	563.9	45000	**F804_563.9 S3 ME3LA4**	441	**F804_563.9 P100 BE100LA4**	442
2.9	6556	2.1	495.6	55000	**F904_495.6 S3 ME3LA4**	444	**F904_495.6 P100 BE100LA4**	445
2.9	6471	1.2	489.1	45000	**F804_489.1 S3 ME3LA4**	441	**F804_489.1 P100 BE100LA4**	442
3.1	6052	2.3	457.5	55000	**F904_457.5 S3 ME3LA4**	444	**F904_457.5 P100 BE100LA4**	445
3.2	5973	1.3	451.5	45000	**F804_451.5 S3 ME3LA4**	441	**F804_451.5 P100 BE100LA4**	442
3.5	5338	0.9	403.5	35000	**F704_403.5 S3 ME3LA4**	438	**F704_403.5 P100 BE100LA4**	439
3.6	5186	2.7	392.0	55000	**F904_392.0 S3 ME3LA4**	444	**F904_392.0 P100 BE100LA4**	445
3.7	5069	1.6	383.2	45000	**F804_383.2 S3 ME3LA4**	441	**F804_383.2 P100 BE100LA4**	442
3.8	4928	1.0	372.5	35000	**F704_372.5 S3 ME3LA4**	438	**F704_372.5 P100 BE100LA4**	439
4.0	4787	2.9	361.8	55000	**F904_361.8 S3 ME3LA4**	444	**F904_361.8 P100 BE100LA4**	445
4.0	4679	1.7	353.7	45000	**F804_353.7 S3 ME3LA4**	441	**F804_353.7 P100 BE100LA4**	442
4.7	4027	1.2	304.3	35000	**F704_304.3 S3 ME3LA4**	438	**F704_304.3 P100 BE100LA4**	439
4.8	3926	2.0	296.7	45000	**F804_296.7 S3 ME3LA4**	441	**F804_296.7 P100 BE100LA4**	442
4.9	3852	3.6	291.1	55000	**F904_291.1 S3 ME3LA4**	444	**F904_291.1 P100 BE100LA4**	445
5.1	3717	1.3	280.9	35000	**F704_280.9 S3 ME3LA4**	438	**F704_280.9 P100 BE100LA4**	439
5.2	3624	2.2	273.9	45000	**F804_273.9 S3 ME3LA4**	441	**F804_273.9 P100 BE100LA4**	442
6.1	3223	0.9	235.8	20000	**F603_235.8 S3 ME3LA4**	434	**F603_235.8 P100 BE100LA4**	435



2.2 kW

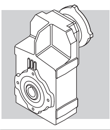
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
6.1	3103	1.6	234.6	35000	**F704_234.6 S3 ME3LA4**	438	**F704_234.6 P100 BE100LA4**	439
6.5	2891	2.8	218.5	45000	**F804_218.5 S3 ME3LA4**	441	**F804_218.5 P100 BE100LA4**	442
6.6	2975	1.0	217.6	20000	**F603_217.6 S3 ME3LA4**	434	**F603_217.6 P100 BE100LA4**	435
6.6	2865	1.7	216.5	35000	**F704_216.5 S3 ME3LA4**	438	**F704_216.5 P100 BE100LA4**	439
7.1	2753	1.1	201.4	20000	**F603_201.4 S3 ME3LA4**	434	**F603_201.4 P100 BE100LA4**	435
7.2	2734	2.9	200.0	45000	**F803_200.0 S3 ME3LA4**	441	**F803_200.0 P100 BE100LA4**	442
7.3	2680	1.9	196.0	35000	**F703_196.0 S3 ME3LA4**	438	**F703_196.0 P100 BE100LA4**	439
7.7	2541	1.1	185.9	20000	**F603_185.9 S3 ME3LA4**	434	**F603_185.9 P100 BE100LA4**	435
7.7	2524	3.2	184.6	45000	**F803_184.6 S3 ME3LA4**	441	**F803_184.6 P100 BE100LA4**	442
7.9	2474	2.0	180.9	35000	**F703_180.9 S3 ME3LA4**	438	**F703_180.9 P100 BE100LA4**	439
8.6	2279	2.2	166.7	35000	**F703_166.7 S3 ME3LA4**	438	**F703_166.7 P100 BE100LA4**	439
8.8	2227	1.3	162.9	20000	**F603_162.9 S3 ME3LA4**	434	**F603_162.9 P100 BE100LA4**	435
9.3	2103	2.4	153.8	35000	**F703_153.8 S3 ME3LA4**	438	**F703_153.8 P100 BE100LA4**	439
9.5	2056	1.4	150.4	20000	**F603_150.4 S3 ME3LA4**	434	**F603_150.4 P100 BE100LA4**	435
10.8	1818	2.8	133.0	35000	**F703_133.0 S3 ME3LA4**	438	**F703_133.0 P100 BE100LA4**	439
11.0	1784	1.6	130.5	20000	**F603_130.5 S3 ME3LA4**	434	**F603_130.5 P100 BE100LA4**	435
11.0	1776	1.0	129.9	12000	**F513_129.9 S3 ME3LA4**	430	**F513_129.9 P100 BE100LA4**	431
11.7	1678	3.0	122.7	35000	**F703_122.7 S3 ME3LA4**	438	**F703_122.7 P100 BE100LA4**	439
11.9	1647	1.8	120.5	20000	**F603_120.5 S3 ME3LA4**	434	**F603_120.5 P100 BE100LA4**	435
13.0	1499	3.3	109.6	35000	**F703_109.6 S3 ME3LA4**	438	**F703_109.6 P100 BE100LA4**	439
13.4	1454	2.0	106.4	20000	**F603_106.4 S3 ME3LA4**	434	**F603_106.4 P100 BE100LA4**	435
13.6	1437	1.3	105.1	12000	**F513_105.1 S3 ME3LA4**	430	**F513_105.1 P100 BE100LA4**	431
14.1	1383	3.6	101.2	35000	**F703_101.2 S3 ME3LA4**	438	**F703_101.2 P100 BE100LA4**	439
14.6	1342	2.2	98.2	20000	**F603_98.2 S3 ME3LA4**	434	**F603_98.2 P100 BE100LA4**	435
16.8	1160	0.9	84.9	8500	**F413_84.9 S3 ME3LA4**	426	**F413_84.9 P100 BE100LA4**	427
17.0	1149	2.5	84.0	20000	**F603_84.0 S3 ME3LA4**	434	**F603_84.0 P100 BE100LA4**	435
17.2	1138	1.6	83.2	12000	**F513_83.2 S3 ME3LA4**	430	**F513_83.2 P100 BE100LA4**	431
18.4	1060	2.7	77.6	20000	**F603_77.6 S3 ME3LA4**	434	**F603_77.6 P100 BE100LA4**	435
20.9	933	3.1	68.3	20000	**F603_68.3 S3 ME3LA4**	434	**F603_68.3 P100 BE100LA4**	435
21.5	909	1.2	66.5	8500	**F413_66.5 S3 ME3LA4**	426	**F413_66.5 P100 BE100LA4**	427
21.7	900	2.0	65.8	12000	**F513_65.8 S3 ME3LA4**	430	**F513_65.8 P100 BE100LA4**	431
22.7	862	3.4	63.0	20000	**F603_63.0 S3 ME3LA4**	434	**F603_63.0 P100 BE100LA4**	435
23.7	824	1.3	60.2	8500	**F413_60.2 S3 ME3LA4**	426	**F413_60.2 P100 BE100LA4**	427
27.8	704	1.5	51.5	8500	**F413_51.5 S3 ME3LA4**	426	**F413_51.5 P100 BE100LA4**	427
29.2	669	2.7	48.9	12000	**F513_48.9 S3 ME3LA4**	430	**F513_48.9 P100 BE100LA4**	431
29.8	669	1.6	47.9	8500	**F412_47.9 S3 ME3LA4**	426	**F412_47.9 P100 BE100LA4**	427
30	650	0.9	47.5	6500	**F313_47.5 S3 ME3LA4**	422	**F313_47.5 P100 BE100LA4**	423
32	623	1.0	44.6	6500	**F312_44.6 S3 ME3LA4**	422	**F312_44.6 P100 BE100LA4**	423
35	564	1.1	40.4	6500	**F312_40.4 S3 ME3LA4**	422	**F312_40.4 P100 BE100LA4**	423
37	533	2.1	38.2	8500	**F412_38.2 S3 ME3LA4**	426	**F412_38.2 P100 BE100LA4**	427
38	526	1.1	37.7	6500	**F312_37.7 S3 ME3LA4**	422	**F312_37.7 P100 BE100LA4**	423
39	519	3.3	37.1	12000	**F512_37.1 S3 ME3LA4**	430	**F512_37.1 P100 BE100LA4**	431
42	480	1.3	34.4	6490	**F312_34.4 S3 ME3LA4**	422	**F312_34.4 P100 BE100LA4**	423
44	449	0.9	32.2	3620	**F252_32.2 S3 ME3LA4**	418	**F252_32.2 P100 BE100LA4**	419
47	421	1.4	30.1	6360	**F312_30.1 S3 ME3LA4**	422	**F312_30.1 P100 BE100LA4**	423
47	421	2.6	30.1	8500	**F412_30.1 S3 ME3LA4**	426	**F412_30.1 P100 BE100LA4**	427
48	419	1.0	30.0	3300	**F252_30.0 S3 ME3LA4**	418	**F252_30.0 P100 BE100LA4**	419
52	381	1.6	27.3	6250	**F312_27.3 S3 ME3LA4**	422	**F312_27.3 P100 BE100LA4**	423
53	380	1.1	27.2	3300	**F252_27.2 S3 ME3LA4**	418	**F252_27.2 P100 BE100LA4**	419
59	337	3.3	24.1	8400	**F412_24.1 S3 ME3LA4**	426	**F412_24.1 P100 BE100LA4**	427
60	332	1.2	23.8	3290	**F252_23.8 S3 ME3LA4**	418	**F252_23.8 P100 BE100LA4**	419
61	327	1.8	23.4	6080	**F312_23.4 S3 ME3LA4**	422	**F312_23.4 P100 BE100LA4**	423
66	305	1.3	21.8	3270	**F252_21.8 S3 ME3LA4**	418	**F252_21.8 P100 BE100LA4**	419
68	295	2.0	21.1	5960	**F312_21.1 S3 ME3LA4**	422	**F312_21.1 P100 BE100LA4**	423
77	260	1.5	18.6	3220	**F252_18.6 S3 ME3LA4**	418	**F252_18.6 P100 BE100LA4**	419
77	258	2.3	18.5	5790	**F312_18.5 S3 ME3LA4**	422	**F312_18.5 P100 BE100LA4**	423
85	235	2.6	16.8	5670	**F312_16.8 S3 ME3LA4**	422	**F312_16.8 P100 BE100LA4**	423

2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
86	232	1.7	16.6	3180	**F252_16.6 S3 ME3LA4**	418	**F252_16.6 P100 BE100LA4**	419
97	207	1.0	14.8	2190	**F202_14.8 S3 ME3LA4**	414	**F202_14.8 P100 BE100LA4**	415
99	202	2.0	14.5	3120	**F252_14.5 S3 ME3LA4**	418	**F252_14.5 P100 BE100LA4**	419
103	195	3.1	13.9	5430	**F312_13.9 S3 ME3LA4**	422	**F312_13.9 P100 BE100LA4**	423
110	181	2.2	13.0	3070	**F252_13.0 S3 ME3LA4**	418	**F252_13.0 P100 BE100LA4**	419
112	178	3.4	12.7	5310	**F312_12.7 S3 ME3LA4**	422	**F312_12.7 P100 BE100LA4**	423
127	157	1.1	11.2	2060	**F202_11.2 S3 ME3LA4**	414	**F202_11.2 P100 BE100LA4**	415
135	148	2.7	10.6	2960	**F252_10.6 S3 ME3LA4**	418	**F252_10.6 P100 BE100LA4**	419
143	140	1.2	10.0	2000	**F202_10.0 S3 ME3LA4**	414	**F202_10.0 P100 BE100LA4**	415
153	131	2.0	9.4	2900	**F252_9.4 S3 ME3LA4**	418	**F252_9.4 P100 BE100LA4**	419
159	126	3.1	9.0	4830	**F312_9.0 S3 ME3LA4**	422	**F312_9.0 P100 BE100LA4**	423
164	122	1.3	8.7	1960	**F202_8.7 S3 ME3LA4**	414	**F202_8.7 P100 BE100LA4**	415
170	117	2.2	8.4	2830	**F252_8.4 S3 ME3LA4**	418	**F252_8.4 P100 BE100LA4**	419
174	115	3.4	8.2	4720	**F312_8.2 S3 ME3LA4**	422	**F312_8.2 P100 BE100LA4**	423
183	109	1.3	7.8	1920	**F202_7.8 S3 ME3LA4**	414	**F202_7.8 P100 BE100LA4**	415
208	96	2.7	6.9	2710	**F252_6.9 S3 ME3LA4**	418	**F252_6.9 P100 BE100LA4**	419
223	90	1.5	6.4	1840	**F202_6.4 S3 ME3LA4**	414	**F202_6.4 P100 BE100LA4**	415
248	80	1.0	11.5	1470	**F102_11.5 S3 ME3LA2**	410	**F102_11.5 P90 BE90L2**	411
255	78	1.8	11.2	1780	**F202_11.2 S3 ME3LA2**	414	**F202_11.2 P90 BE90L2**	415
293	68	1.1	9.8	1410	**F102_9.8 S3 ME3LA2**	410	**F102_9.8 P90 BE90L2**	411
328	61	2.0	8.7	1670	**F202_8.7 S3 ME3LA2**	414	**F202_8.7 P90 BE90L2**	415
334	60	1.1	8.6	1370	**F102_8.6 S3 ME3LA2**	410	**F102_8.6 P90 BE90L2**	411
366	55	2.1	7.8	1630	**F202_7.8 S3 ME3LA2**	414	**F202_7.8 P90 BE90L2**	415
387	52	1.2	7.4	1330	**F102_7.4 S3 ME3LA2**	410	**F102_7.4 P90 BE90L2**	411
447	45	2.3	6.4	1540	**F202_6.4 S3 ME3LA2**	414	**F202_6.4 P90 BE90L2**	415

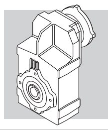
3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
1.9	13922	1.0	773.4	55000	**F904_773.4 S3 ME3LB4**	444	**F904_773.4 P100 BE100LB4**	445
2.0	12851	1.1	714.0	55000	**F904_714.0 S3 ME3LB4**	444	**F904_714.0 P100 BE100LB4**	445
2.3	11261	1.2	625.6	55000	**F904_625.6 S3 ME3LB4**	444	**F904_625.6 P100 BE100LB4**	445
2.5	10395	1.3	577.5	55000	**F904_577.5 S3 ME3LB4**	444	**F904_577.5 P100 BE100LB4**	445
2.9	8920	1.6	495.6	55000	**F904_495.6 S3 ME3LB4**	444	**F904_495.6 P100 BE100LB4**	445
2.9	8804	0.9	489.1	45000	**F804_489.1 S3 ME3LB4**	441	**F804_489.1 P100 BE100LB4**	442
3.1	8234	1.7	457.5	55000	**F904_457.5 S3 ME3LB4**	444	**F904_457.5 P100 BE100LB4**	445
3.2	8127	1.0	451.5	45000	**F804_451.5 S3 ME3LB4**	441	**F804_451.5 P100 BE100LB4**	442
3.7	7056	2.0	392.0	55000	**F904_392.0 S3 ME3LB4**	444	**F904_392.0 P100 BE100LB4**	445
3.8	6897	1.2	383.2	45000	**F804_383.2 S3 ME3LB4**	441	**F804_383.2 P100 BE100LB4**	442
4.0	6513	2.1	361.8	55000	**F904_361.8 S3 ME3LB4**	444	**F904_361.8 P100 BE100LB4**	445
4.1	6366	1.3	353.7	45000	**F804_353.7 S3 ME3LB4**	441	**F804_353.7 P100 BE100LB4**	442
4.7	5478	0.9	304.3	35000	**F704_304.3 S3 ME3LB4**	438	**F704_304.3 P100 BE100LB4**	439
4.9	5341	1.5	296.7	45000	**F804_296.7 S3 ME3LB4**	441	**F804_296.7 P100 BE100LB4**	442
4.9	5240	2.7	291.1	55000	**F904_291.1 S3 ME3LB4**	444	**F904_291.1 P100 BE100LB4**	445
5.1	5057	1.0	280.9	35000	**F704_280.9 S3 ME3LB4**	438	**F704_280.9 P100 BE100LB4**	439
5.3	4930	1.6	273.9	45000	**F804_273.9 S3 ME3LB4**	441	**F804_273.9 P100 BE100LB4**	442
5.4	4837	2.9	268.7	55000	**F904_268.7 S3 ME3LB4**	444	**F904_268.7 P100 BE100LB4**	445
6.1	4222	1.2	234.6	35000	**F704_234.6 S3 ME3LB4**	438	**F704_234.6 P100 BE100LB4**	439
6.2	4165	3.4	231.4	55000	**F904_231.4 S3 ME3LB4**	444	**F904_231.4 P100 BE100LB4**	445
6.6	3933	2.0	218.5	45000	**F804_218.5 S3 ME3LB4**	441	**F804_218.5 P100 BE100LB4**	442
6.7	3897	1.3	216.5	35000	**F704_216.5 S3 ME3LB4**	438	**F704_216.5 P100 BE100LB4**	439
6.7	3845	3.6	213.6	55000	**F904_213.6 S3 ME3LB4**	444	**F904_213.6 P100 BE100LB4**	445
7.2	3720	2.2	200.0	45000	**F803_200.0 S3 ME3LB4**	441	**F803_200.0 P100 BE100LB4**	442
7.3	3646	1.4	196.0	35000	**F703_196.0 S3 ME3LB4**	438	**F703_196.0 P100 BE100LB4**	439
7.8	3434	2.3	184.6	45000	**F803_184.6 S3 ME3LB4**	441	**F803_184.6 P100 BE100LB4**	442
8.0	3366	1.5	180.9	35000	**F703_180.9 S3 ME3LB4**	438	**F703_180.9 P100 BE100LB4**	439



3 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
8.6	3100	1.6	166.7	35000	F703_166.7 S3 ME3LB4	438	F703_166.7 P100 BE100LB4	439
8.8	3030	1.0	162.9	20000	F603_162.9 S3 ME3LB4	434	F603_162.9 P100 BE100LB4	435
9.0	2980	2.7	160.2	45000	F803_160.2 S3 ME3LB4	441	F803_160.2 P100 BE100LB4	442
9.4	2862	1.7	153.8	35000	F703_153.8 S3 ME3LB4	438	F703_153.8 P100 BE100LB4	439
9.6	2797	1.0	150.4	20000	F603_150.4 S3 ME3LB4	434	F603_150.4 P100 BE100LB4	435
9.7	2751	2.9	147.9	45000	F803_147.9 S3 ME3LB4	441	F803_147.9 P100 BE100LB4	442
10.8	2473	2.0	133.0	35000	F703_133.0 S3 ME3LB4	438	F703_133.0 P100 BE100LB4	439
10.9	2468	3.2	132.7	45000	F803_132.7 S3 ME3LB4	441	F803_132.7 P100 BE100LB4	442
11.0	2427	1.2	130.5	20000	F603_130.5 S3 ME3LB4	434	F603_130.5 P100 BE100LB4	435
11.7	2283	2.2	122.7	35000	F703_122.7 S3 ME3LB4	438	F703_122.7 P100 BE100LB4	439
12.0	2240	1.3	120.5	20000	F603_120.5 S3 ME3LB4	434	F603_120.5 P100 BE100LB4	435
13.1	2039	2.5	109.6	35000	F703_109.6 S3 ME3LB4	438	F703_109.6 P100 BE100LB4	439
13.5	1979	1.5	106.4	20000	F603_106.4 S3 ME3LB4	434	F603_106.4 P100 BE100LB4	435
13.7	1955	0.9	105.1	12000	F513_105.1 S3 ME3LB4	430	F513_105.1 P100 BE100LB4	431
14.2	1882	2.7	101.2	35000	F703_101.2 S3 ME3LB4	438	F703_101.2 P100 BE100LB4	439
14.7	1826	1.6	98.2	20000	F603_98.2 S3 ME3LB4	434	F603_98.2 P100 BE100LB4	435
15.6	1721	2.9	92.5	35000	F703_92.5 S3 ME3LB4	438	F703_92.5 P100 BE100LB4	439
16.9	1588	3.1	85.4	35000	F703_85.4 S3 ME3LB4	438	F703_85.4 P100 BE100LB4	439
17.1	1563	1.9	84.0	20000	F603_84.0 S3 ME3LB4	434	F603_84.0 P100 BE100LB4	435
17.3	1548	1.2	83.2	12000	F513_83.2 S3 ME3LB4	430	F513_83.2 P100 BE100LB4	431
18.6	1443	2.0	77.6	20000	F603_77.6 S3 ME3LB4	434	F603_77.6 P100 BE100LB4	435
19.6	1368	3.7	73.6	35000	F703_73.6 S3 ME3LB4	438	F703_73.6 P100 BE100LB4	439
21.1	1270	2.3	68.3	20000	F603_68.3 S3 ME3LB4	434	F603_68.3 P100 BE100LB4	435
21.9	1225	1.5	65.8	12000	F513_65.8 S3 ME3LB4	430	F513_65.8 P100 BE100LB4	431
22.8	1172	2.5	63.0	20000	F603_63.0 S3 ME3LB4	434	F603_63.0 P100 BE100LB4	435
23.9	1121	1.0	60.2	8500	F413_60.2 S3 ME3LB4	426	F413_60.2 P100 BE100LB4	427
27.8	964	3.0	51.8	20000	F603_51.8 S3 ME3LB4	434	F603_51.8 P100 BE100LB4	435
28.0	958	1.1	51.5	8500	F413_51.5 S3 ME3LB4	426	F413_51.5 P100 BE100LB4	427
29.4	910	2.0	48.9	12000	F513_48.9 S3 ME3LB4	430	F513_48.9 P100 BE100LB4	431
30	911	1.2	47.9	8500	F412_47.9 S3 ME3LB4	426	F412_47.9 P100 BE100LB4	427
30	890	3.3	47.8	20000	F603_47.8 S3 ME3LB4	434	F603_47.8 P100 BE100LB4	435
38	725	1.5	38.2	8500	F412_38.2 S3 ME3LB4	426	F412_38.2 P100 BE100LB4	427
39	706	2.4	37.1	11800	F512_37.1 S3 ME3LB4	430	F512_37.1 P100 BE100LB4	431
42	653	0.9	34.4	5810	F312_34.4 S3 ME3LB4	422	F312_34.4 P100 BE100LB4	423
48	572	1.0	30.1	5770	F312_30.1 S3 ME3LB4	422	F312_30.1 P100 BE100LB4	423
48	572	1.9	30.1	8290	F412_30.1 S3 ME3LB4	426	F412_30.1 P100 BE100LB4	427
48	571	3.0	30.0	11200	F512_30.0 S3 ME3LB4	430	F512_30.0 P100 BE100LB4	431
53	518	1.2	27.3	5720	F312_27.3 S3 ME3LB4	422	F312_27.3 P100 BE100LB4	423
60	458	2.4	24.1	7960	F412_24.1 S3 ME3LB4	426	F412_24.1 P100 BE100LB4	427
61	451	0.9	23.8	3100	F252_23.8 S3 ME3LB4	418	F252_23.8 P100 BE100LB4	419
62	444	1.4	23.4	5620	F312_23.4 S3 ME3LB4	422	F312_23.4 P100 BE100LB4	423
66	415	1.0	21.8	2800	F252_21.8 S3 ME3LB4	418	F252_21.8 P100 BE100LB4	419
68	401	1.5	21.1	5540	F312_21.1 S3 ME3LB4	422	F312_21.1 P100 BE100LB4	423
76	359	3.0	18.9	7560	F412_18.9 S3 ME3LB4	426	F412_18.9 P100 BE100LB4	427
77	354	1.1	18.6	2830	F252_18.6 S3 ME3LB4	418	F252_18.6 P100 BE100LB4	419
78	351	1.7	18.5	5430	F312_18.5 S3 ME3LB4	422	F312_18.5 P100 BE100LB4	423
84	325	3.2	17.1	7400	F412_17.1 S3 ME3LB4	426	F412_17.1 P100 BE100LB4	427
86	319	1.9	16.8	5340	F312_16.8 S3 ME3LB4	422	F312_16.8 P100 BE100LB4	423
87	316	1.3	16.6	2830	F252_16.6 S3 ME3LB4	418	F252_16.6 P100 BE100LB4	419
100	275	1.5	14.5	2810	F252_14.5 S3 ME3LB4	418	F252_14.5 P100 BE100LB4	419
103	265	2.3	13.9	5150	F312_13.9 S3 ME3LB4	422	F312_13.9 P100 BE100LB4	423
111	247	1.6	13.0	2790	F252_13.0 S3 ME3LB4	418	F252_13.0 P100 BE100LB4	419
113	242	2.5	12.7	5060	F312_12.7 S3 ME3LB4	422	F312_12.7 P100 BE100LB4	423
134	204	2.9	10.7	4880	F312_10.7 S3 ME3LB4	422	F312_10.7 P100 BE100LB4	423
136	202	2.0	10.6	2730	F252_10.6 S3 ME3LB4	418	F252_10.6 P100 BE100LB4	419
154	178	1.5	9.4	2710	F252_9.4 S3 ME3LB4	418	F252_9.4 P100 BE100LB4	419
160	171	2.3	9.0	4650	F312_9.0 S3 ME3LB4	422	F312_9.0 P100 BE100LB4	423
165	166	0.9	8.7	1820	F202_8.7 S3 ME3LB4	414	F202_8.7 P100 BE100LB4	415
172	159	1.6	8.4	2660	F252_8.4 S3 ME3LB4	418	F252_8.4 P100 BE100LB4	419
175	156	2.5	8.2	4550	F312_8.2 S3 ME3LB4	422	F312_8.2 P100 BE100LB4	423
184	149	1.0	7.8	1790	F202_7.8 S3 ME3LB4	414	F202_7.8 P100 BE100LB4	415
207	132	3.0	6.9	4360	F312_6.9 S3 ME3LB4	422	F312_6.9 P100 BE100LB4	423
210	131	2.0	6.9	2560	F252_6.9 S3 ME3LB4	418	F252_6.9 P100 BE100LB4	419
222	123	2.9	13.0	2510	F252_13.0 S3 ME3LB2	418	F252_13.0 P100 BE100L2	419
225	122	1.1	6.4	1730	F202_6.4 S3 ME3LB4	414	F202_6.4 P100 BE100LB4	415

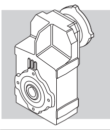


3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
256	106	1.3	11.2	1680	**F202_11.2 S3 ME3LB2**	414	**F202_11.2 P100 BE100L2**	415
271	100	3.2	10.6	2410	**F252_10.6 S3 ME3LB2**	418	**F252_10.6 P100 BE100L2**	419
308	88	3.0	9.4	2350	**F252_9.4 S3 ME3LB2**	418	**F252_9.4 P100 BE100L2**	419
330	83	1.5	8.7	1600	**F202_8.7 S3 ME3LB2**	414	**F202_8.7 P100 BE100L2**	415
343	79	3.3	8.4	2290	**F252_8.4 S3 ME3LB2**	418	**F252_8.4 P100 BE100L2**	419
368	74	1.6	7.8	1560	**F202_7.8 S3 ME3LB2**	414	**F202_7.8 P100 BE100L2**	415
449	61	1.7	6.4	1480	**F202_6.4 S3 ME3LB2**	414	**F202_6.4 P100 BE100L2**	415

4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
2.3	15202	0.9	625.6	55000	**F904_625.6 S4 ME4SA4**	444	**F904_625.6 P112 BE112M4**	445
2.5	14033	1.0	577.5	55000	**F904_577.5 S4 ME4SA4**	444	**F904_577.5 P112 BE112M4**	445
2.9	12042	1.2	495.6	55000	**F904_495.6 S4 ME4SA4**	444	**F904_495.6 P112 BE112M4**	445
3.1	11116	1.3	457.5	55000	**F904_457.5 S4 ME4SA4**	444	**F904_457.5 P112 BE112M4**	445
3.7	9526	1.5	392.0	55000	**F904_392.0 S4 ME4SA4**	444	**F904_392.0 P112 BE112M4**	445
4.0	8793	1.6	361.8	55000	**F904_361.8 S4 ME4SA4**	444	**F904_361.8 P112 BE112M4**	445
4.1	8594	0.9	353.7	45000	**F804_353.7 S4 ME4SA4**	441	**F804_353.7 P112 BE112M4**	442
4.9	7210	1.1	296.7	45000	**F804_296.7 S4 ME4SA4**	441	**F804_296.7 P112 BE112M4**	442
4.9	7074	2.0	291.1	55000	**F904_291.1 S4 ME4SA4**	444	**F904_291.1 P112 BE112M4**	445
5.3	6656	1.2	273.9	45000	**F804_273.9 S4 ME4SA4**	441	**F804_273.9 P112 BE112M4**	442
5.4	6530	2.1	268.7	55000	**F904_268.7 S4 ME4SA4**	444	**F904_268.7 P112 BE112M4**	445
6.1	5700	0.9	234.6	35000	**F704_234.6 S4 ME4SA4**	438	**F704_234.6 P112 BE112M4**	439
6.2	5623	2.5	231.4	55000	**F904_231.4 S4 ME4SA4**	444	**F904_231.4 P112 BE112M4**	445
6.6	5309	1.5	218.5	45000	**F804_218.5 S4 ME4SA4**	441	**F804_218.5 P112 BE112M4**	442
6.7	5262	1.0	216.5	35000	**F704_216.5 S4 ME4SA4**	438	**F704_216.5 P112 BE112M4**	439
6.7	5190	2.7	213.6	55000	**F904_213.6 S4 ME4SA4**	444	**F904_213.6 P112 BE112M4**	445
7.2	5022	1.6	200.0	45000	**F803_200.0 S4 ME4SA4**	441	**F803_200.0 P112 BE112M4**	442
7.3	4922	1.0	196.0	35000	**F703_196.0 S4 ME4SA4**	438	**F703_196.0 P112 BE112M4**	439
7.4	4875	2.9	194.2	55000	**F903_194.2 S4 ME4SA4**	444	**F903_194.2 P112 BE112M4**	445
7.8	4636	1.7	184.6	45000	**F803_184.6 S4 ME4SA4**	441	**F803_184.6 P112 BE112M4**	442
8.0	4544	1.1	180.9	35000	**F703_180.9 S4 ME4SA4**	438	**F703_180.9 P112 BE112M4**	439
8.0	4500	3.1	179.2	55000	**F903_179.2 S4 ME4SA4**	444	**F903_179.2 P112 BE112M4**	445
8.6	4185	1.2	166.7	35000	**F703_166.7 S4 ME4SA4**	438	**F703_166.7 P112 BE112M4**	439
8.8	4089	3.4	162.8	55000	**F903_162.8 S4 ME4SA4**	444	**F903_162.8 P112 BE112M4**	445
9.0	4023	2.0	160.2	45000	**F803_160.2 S4 ME4SA4**	441	**F803_160.2 P112 BE112M4**	442
9.4	3863	1.3	153.8	35000	**F703_153.8 S4 ME4SA4**	438	**F703_153.8 P112 BE112M4**	439
9.7	3714	2.2	147.9	45000	**F803_147.9 S4 ME4SA4**	441	**F803_147.9 P112 BE112M4**	442
10.8	3338	1.5	133.0	35000	**F703_133.0 S4 ME4SA4**	438	**F703_133.0 P112 BE112M4**	439
10.9	3332	2.4	132.7	45000	**F803_132.7 S4 ME4SA4**	441	**F803_132.7 P112 BE112M4**	442
11.0	3277	0.9	130.5	20000	**F603_130.5 S4 ME4SA4**	434	**F603_130.5 P112 BE112M4**	435
11.7	3082	1.6	122.7	35000	**F703_122.7 S4 ME4SA4**	438	**F703_122.7 P112 BE112M4**	439
11.8	3076	2.6	122.5	45000	**F803_122.5 S4 ME4SA4**	441	**F803_122.5 P112 BE112M4**	442
12.0	3025	1.0	120.5	20000	**F603_120.5 S4 ME4SA4**	434	**F603_120.5 P112 BE112M4**	435
12.7	2856	2.8	113.8	45000	**F803_113.8 S4 ME4SA4**	441	**F803_113.8 P112 BE112M4**	442
13.1	2752	1.8	109.6	35000	**F703_109.6 S4 ME4SA4**	438	**F703_109.6 P112 BE112M4**	439
13.5	2671	1.1	106.4	20000	**F603_106.4 S4 ME4SA4**	434	**F603_106.4 P112 BE112M4**	435
13.7	2637	3.0	105.0	45000	**F803_105.0 S4 ME4SA4**	441	**F803_105.0 P112 BE112M4**	442
14.2	2541	2.0	101.2	35000	**F703_101.2 S4 ME4SA4**	438	**F703_101.2 P112 BE112M4**	439
14.7	2466	1.2	98.2	20000	**F603_98.2 S4 ME4SA4**	434	**F603_98.2 P112 BE112M4**	435
15.6	2323	2.2	92.5	35000	**F703_92.5 S4 ME4SA4**	438	**F703_92.5 P112 BE112M4**	439
16.9	2144	2.3	85.4	35000	**F703_85.4 S4 ME4SA4**	438	**F703_85.4 P112 BE112M4**	439
17.1	2110	1.4	84.0	20000	**F603_84.0 S4 ME4SA4**	434	**F603_84.0 P112 BE112M4**	435
18.6	1947	1.5	77.6	20000	**F603_77.6 S4 ME4SA4**	434	**F603_77.6 P112 BE112M4**	435
19.6	1847	2.7	73.6	35000	**F703_73.6 S4 ME4SA4**	438	**F703_73.6 P112 BE112M4**	439
21.1	1715	1.7	68.3	20000	**F603_68.3 S4 ME4SA4**	434	**F603_68.3 P112 BE112M4**	435
21.2	1705	2.9	67.9	35000	**F703_67.9 S4 ME4SA4**	438	**F703_67.9 P112 BE112M4**	439
21.9	1653	1.1	65.8	12000	**F513_65.8 S4 ME4SA4**	430	**F513_65.8 P112 BE112M4**	431
22.8	1583	1.8	63.0	20000	**F603_63.0 S4 ME4SA4**	434	**F603_63.0 P112 BE112M4**	435

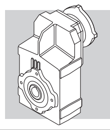


4 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
23.0	1569	3.2	62.5	35000	F703_62.5 S4 ME4SA4	438	F703_62.5 P112 BE112M4	439
25.0	1449	3.5	57.7	35000	F703_57.7 S4 ME4SA4	438	F703_57.7 P112 BE112M4	439
27.8	1301	2.2	51.8	20000	F603_51.8 S4 ME4SA4	434	F603_51.8 P112 BE112M4	435
29.4	1228	1.5	48.9	11600	F513_48.9 S4 ME4SA4	430	F513_48.9 P112 BE112M4	431
30	1201	2.4	47.8	20000	F603_47.8 S4 ME4SA4	434	F603_47.8 P112 BE112M4	435
34	1057	2.7	42.1	20000	F603_42.1 S4 ME4SA4	434	F603_42.1 P112 BE112M4	435
37	975	3.0	38.8	20000	F603_38.8 S4 ME4SA4	434	F603_38.8 P112 BE112M4	435
38	979	1.1	38.2	7720	F412_38.2 S4 ME4SA4	426	F412_38.2 P112 BE112M4	427
39	953	1.8	37.1	11200	F512_37.1 S4 ME4SA4	430	F512_37.1 P112 BE112M4	431
45	806	3.6	32.1	20000	F603_32.1 S4 ME4SA4	434		
48	773	1.4	30.1	7610	F412_30.1 S4 ME4SA4	426	F412_30.1 P112 BE112M4	427
48	770	2.2	30.0	10700	F512_30.0 S4 ME4SA4	430	F512_30.0 P112 BE112M4	431
57	638	3.0	25.4	20000	F603_25.4 S4 ME4SA4	434	F603_25.4 P112 BE112M4	435
60	619	1.8	24.1	7420	F412_24.1 S4 ME4SA4	426	F412_24.1 P112 BE112M4	427
61	610	2.7	23.8	10200	F512_23.8 S4 ME4SA4	430	F512_23.8 P112 BE112M4	431
61	589	3.2	23.5	20000	F603_23.5 S4 ME4SA4	434	F603_23.5 P112 BE112M4	435
62	600	1.0	23.4	5040	F312_23.4 S4 ME4SA4	422	F312_23.4 P112 BE112M4	423
68	542	1.1	21.1	5020	F312_21.1 S4 ME4SA4	422	F312_21.1 P112 BE112M4	423
76	485	2.2	18.9	7150	F412_18.9 S4 ME4SA4	426	F412_18.9 P112 BE112M4	427
77	483	3.2	18.8	9640	F512_18.8 S4 ME4SA4	430	F512_18.8 P112 BE112M4	431
78	474	1.3	18.5	4980	F312_18.5 S4 ME4SA4	422	F312_18.5 P112 BE112M4	423
84	439	2.4	17.1	7030	F412_17.1 S4 ME4SA4	426	F412_17.1 P112 BE112M4	427
86	431	1.4	16.8	4930	F312_16.8 S4 ME4SA4	422	F312_16.8 P112 BE112M4	423
98	375	2.7	14.6	6820	F412_14.6 S4 ME4SA4	426	F412_14.6 P112 BE112M4	427
103	358	1.7	13.9	4820	F312_13.9 S4 ME4SA4	422	F312_13.9 P112 BE112M4	423
113	326	1.8	12.7	4750	F312_12.7 S4 ME4SA4	422	F312_12.7 P112 BE112M4	423
134	276	3.3	10.8	6380	F412_10.8 S4 ME4SA4	426	F412_10.8 P112 BE112M4	427
134	276	2.2	10.7	4620	F312_10.7 S4 ME4SA4	422	F312_10.7 P112 BE112M4	423
158	234	3.0	9.1	6160	F412_9.1 S4 ME4SA4	426	F412_9.1 P112 BE112M4	427
160	231	1.7	9.0	4420	F312_9.0 S4 ME4SA4	422	F312_9.0 P112 BE112M4	423
175	211	1.8	8.2	4350	F312_8.2 S4 ME4SA4	422	F312_8.2 P112 BE112M4	423
207	178	2.2	6.9	4200	F312_6.9 S4 ME4SA4	422	F312_6.9 P112 BE112M4	423
228	159	3.5	12.7	4120	F312_12.7 S4 ME4SA2	422	F312_12.7 P112 BE112M2	423
322	113	3.4	9.0	3760	F312_9.0 S4 ME4SA2	422	F312_9.0 P112 BE112M2	423

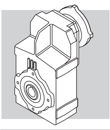
5.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
2.9	16057	0.9	495.6	55000	F904_495.6 S4 ME4SB4	F904_495.6 S4 MX4SB4	444	F904_495.6 P132 BE132S4	F904_495.6 P132 BX132S4	445
3.2	14821	0.9	457.5	55000	F904_457.5 S4 ME4SB4	F904_457.5 S4 MX4SB4	444	F904_457.5 P132 BE132S4	F904_457.5 P132 BX132S4	445
3.7	12701	1.1	392.0	55000	F904_392.0 S4 ME4SB4	F904_392.0 S4 MX4SB4	444	F904_392.0 P132 BE132S4	F904_392.0 P132 BX132S4	445
4.0	11724	1.2	361.8	55000	F904_361.8 S4 ME4SB4	F904_361.8 S4 MX4SB4	444	F904_361.8 P132 BE132S4	F904_361.8 P132 BX132S4	445
5.0	9432	1.5	291.1	55000	F904_291.1 S4 ME4SB4	F904_291.1 S4 MX4SB4	444	F904_291.1 P132 BE132S4	F904_291.1 P132 BX132S4	445
5.3	8874	0.9	273.9	45000	F804_273.9 S4 ME4SB4	F804_273.9 S4 MX4SB4	441	F804_273.9 P132 BE132S4	F804_273.9 P132 BX132S4	442
5.4	8707	1.6	268.7	55000	F904_268.7 S4 ME4SB4	F904_268.7 S4 MX4SB4	444	F904_268.7 P132 BE132S4	F904_268.7 P132 BX132S4	445
6.3	7497	1.9	231.4	55000	F904_231.4 S4 ME4SB4	F904_231.4 S4 MX4SB4	444	F904_231.4 P132 BE132S4	F904_231.4 P132 BX132S4	445
6.7	7079	1.1	218.5	45000	F804_218.5 S4 ME4SB4	F804_218.5 S4 MX4SB4	441	F804_218.5 P132 BE132S4	F804_218.5 P132 BX132S4	442
6.8	6920	2.0	213.6	55000	F904_213.6 S4 ME4SB4	F904_213.6 S4 MX4SB4	444	F904_213.6 P132 BE132S4	F904_213.6 P132 BX132S4	445
7.3	6696	1.2	200.0	45000	F803_200.0 S4 ME4SB4	F803_200.0 S4 MX4SB4	441	F803_200.0 P132 BE132S4	F803_200.0 P132 BX132S4	442
7.5	6500	2.2	194.2	55000	F903_194.2 S4 ME4SB4	F903_194.2 S4 MX4SB4	444	F903_194.2 P132 BE132S4	F903_194.2 P132 BX132S4	445
7.9	6181	1.3	184.6	45000	F803_184.6 S4 ME4SB4	F803_184.6 S4 MX4SB4	441	F803_184.6 P132 BE132S4	F803_184.6 P132 BX132S4	442
8.1	6000	2.3	179.2	55000	F903_179.2 S4 ME4SB4	F903_179.2 S4 MX4SB4	444	F903_179.2 P132 BE132S4	F903_179.2 P132 BX132S4	445
8.8	5580	0.9	166.7	35000	F703_166.7 S4 ME4SB4	F703_166.7 S4 MX4SB4	438	F703_166.7 P132 BE132S4	F703_166.7 P132 BX132S4	439
9.0	5452	2.6	162.8	55000	F903_162.8 S4 ME4SB4	F903_162.8 S4 MX4SB4	444	F903_162.8 P132 BE132S4	F903_162.8 P132 BX132S4	445
9.1	5364	1.5	160.2	45000	F803_160.2 S4 ME4SB4	F803_160.2 S4 MX4SB4	441	F803_160.2 P132 BE132S4	F803_160.2 P132 BX132S4	442
9.5	5151	1.0	153.8	35000	F703_153.8 S4 ME4SB4	F703_153.8 S4 MX4SB4	438	F703_153.8 P132 BE132S4	F703_153.8 P132 BX132S4	439
9.7	5032	2.8	150.3	55000	F903_150.3 S4 ME4SB4	F903_150.3 S4 MX4SB4	444	F903_150.3 P132 BE132S4	F903_150.3 P132 BX132S4	445
9.9	4952	1.6	147.9	45000	F803_147.9 S4 ME4SB4	F803_147.9 S4 MX4SB4	441	F803_147.9 P132 BE132S4	F803_147.9 P132 BX132S4	442
10.6	4598	3.0	137.3	55000	F903_137.3 S4 ME4SB4	F903_137.3 S4 MX4SB4	444	F903_137.3 P132 BE132S4	F903_137.3 P132 BX132S4	445
11.0	4451	1.1	133.0	35000	F703_133.0 S4 ME4SB4	F703_133.0 S4 MX4SB4	438	F703_133.0 P132 BE132S4	F703_133.0 P132 BX132S4	439



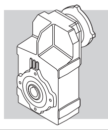
5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
11.0	4443	1.8	132.7	45000	**F803_132.7 S4 ME4SB4**	**F803_132.7 S4 MX4SB4**	441	**F803_132.7 P132 BE132S4**	**F803_132.7 P132 BX132S4**	442
11.5	4244	3.3	126.8	55000	**F903_126.8 S4 ME4SB4**	**F903_126.8 S4 MX4SB4**	444	**F903_126.8 P132 BE132S4**	**F903_126.8 P132 BX132S4**	445
11.9	4109	1.2	122.7	35000	**F703_122.7 S4 ME4SB4**	**F703_122.7 S4 MX4SB4**	438	**F703_122.7 P132 BE132S4**	**F703_122.7 P132 BX132S4**	439
11.9	4101	2.0	122.5	45000	**F803_122.5 S4 ME4SB4**	**F803_122.5 S4 MX4SB4**	441	**F803_122.5 P132 BE132S4**	**F803_122.5 P132 BX132S4**	442
12.8	3808	2.1	113.8	45000	**F803_113.8 S4 ME4SB4**	**F803_113.8 S4 MX4SB4**	441	**F803_113.8 P132 BE132S4**	**F803_113.8 P132 BX132S4**	442
13.3	3670	1.4	109.6	35000	**F703_109.6 S4 ME4SB4**	**F703_109.6 S4 MX4SB4**	438	**F703_109.6 P132 BE132S4**	**F703_109.6 P132 BX132S4**	439
13.9	3515	2.3	105.0	45000	**F803_105.0 S4 ME4SB4**	**F803_105.0 S4 MX4SB4**	441	**F803_105.0 P132 BE132S4**	**F803_105.0 P132 BX132S4**	442
14.4	3388	1.5	101.2	35000	**F703_101.2 S4 ME4SB4**	**F703_101.2 S4 MX4SB4**	438	**F703_101.2 P132 BE132S4**	**F703_101.2 P132 BX132S4**	439
15.8	3097	1.6	92.5	35000	**F703_92.5 S4 ME4SB4**	**F703_92.5 S4 MX4SB4**	438	**F703_92.5 P132 BE132S4**	**F703_92.5 P132 BX132S4**	439
15.8	3090	2.6	92.3	45000	**F803_92.3 S4 ME4SB4**	**F803_92.3 S4 MX4SB4**	441	**F803_92.3 P132 BE132S4**	**F803_92.3 P132 BX132S4**	442
17.1	2859	1.7	85.4	35000	**F703_85.4 S4 ME4SB4**	**F703_85.4 S4 MX4SB4**	438	**F703_85.4 P132 BE132S4**	**F703_85.4 P132 BX132S4**	439
17.1	2853	2.8	85.2	45000	**F803_85.2 S4 ME4SB4**	**F803_85.2 S4 MX4SB4**	441	**F803_85.2 P132 BE132S4**	**F803_85.2 P132 BX132S4**	442
17.4	2813	1.0	84.0	20000	**F603_84.0 S4 ME4SB4**	**F603_84.0 S4 MX4SB4**	434	**F603_84.0 P132 BE132S4**	**F603_84.0 P132 BX132S4**	435
18.8	2597	1.1	77.6	20000	**F603_77.6 S4 ME4SB4**	**F603_77.6 S4 MX4SB4**	434	**F603_77.6 P132 BE132S4**	**F603_77.6 P132 BX132S4**	435
19.1	2553	3.1	76.3	45000	**F803_76.3 S4 ME4SB4**	**F803_76.3 S4 MX4SB4**	441	**F803_76.3 P132 BE132S4**	**F803_76.3 P132 BX132S4**	442
19.8	2463	2.0	73.6	35000	**F703_73.6 S4 ME4SB4**	**F703_73.6 S4 MX4SB4**	438	**F703_73.6 P132 BE132S4**	**F703_73.6 P132 BX132S4**	439
20.7	2356	3.4	70.4	45000	**F803_70.4 S4 ME4SB4**	**F803_70.4 S4 MX4SB4**	441	**F803_70.4 P132 BE132S4**	**F803_70.4 P132 BX132S4**	442
21.4	2286	1.3	68.3	20000	**F603_68.3 S4 ME4SB4**	**F603_68.3 S4 MX4SB4**	434	**F603_68.3 P132 BE132S4**	**F603_68.3 P132 BX132S4**	435
21.5	2273	2.2	67.9	35000	**F703_67.9 S4 ME4SB4**	**F703_67.9 S4 MX4SB4**	438	**F703_67.9 P132 BE132S4**	**F703_67.9 P132 BX132S4**	439
23.2	2110	1.4	63.0	20000	**F603_63.0 S4 ME4SB4**	**F603_63.0 S4 MX4SB4**	434	**F603_63.0 P132 BE132S4**	**F603_63.0 P132 BX132S4**	435
23.4	2093	2.4	62.5	35000	**F703_62.5 S4 ME4SB4**	**F703_62.5 S4 MX4SB4**	438	**F703_62.5 P132 BE132S4**	**F703_62.5 P132 BX132S4**	439
25.3	1932	2.6	57.7	35000	**F703_57.7 S4 ME4SB4**	**F703_57.7 S4 MX4SB4**	438	**F703_57.7 P132 BE132S4**	**F703_57.7 P132 BX132S4**	439
28.2	1735	1.7	51.8	20000	**F603_51.8 S4 ME4SB4**	**F603_51.8 S4 MX4SB4**	434	**F603_51.8 P132 BE132S4**	**F603_51.8 P132 BX132S4**	435
30	1639	3.1	49.0	35000	**F703_49.0 S4 ME4SB4**	**F703_49.0 S4 MX4SB4**	438	**F703_49.0 P132 BE132S4**	**F703_49.0 P132 BX132S4**	439
30	1637	1.1	48.9	10300	**F513_48.9 S4 ME4SB4**	**F513_48.9 S4 MX4SB4**	430	**F513_48.9 P132 BE132S4**	**F513_48.9 P132 BX132S4**	431
31	1602	1.8	47.8	20000	**F603_47.8 S4 ME4SB4**	**F603_47.8 S4 MX4SB4**	434	**F603_47.8 P132 BE132S4**	**F603_47.8 P132 BX132S4**	435
32	1513	3.3	45.2	34300	**F703_45.2 S4 ME4SB4**	**F703_45.2 S4 MX4SB4**	438	**F703_45.2 P132 BE132S4**	**F703_45.2 P132 BX132S4**	439
35	1409	2.1	42.1	20000	**F603_42.1 S4 ME4SB4**	**F603_42.1 S4 MX4SB4**	434	**F603_42.1 P132 BE132S4**	**F603_42.1 P132 BX132S4**	435
38	1301	2.2	38.8	20000	**F603_38.8 S4 ME4SB4**	**F603_38.8 S4 MX4SB4**	434	**F603_38.8 P132 BE132S4**	**F603_38.8 P132 BX132S4**	435
39	1270	1.3	37.1	10300	**F512_37.1 S4 ME4SB4**	**F512_37.1 S4 MX4SB4**	430	**F512_37.1 P132 BE132S4**	**F512_37.1 P132 BX132S4**	431
46	1074	2.7	32.1	20000	**F603_32.1 S4 ME4SB4**	**F603_32.1 S4 MX4SB4**	434	**F603_32.1 P132 BE132S4**	**F603_32.1 P132 BX132S4**	435
48	1030	1.1	30.1	6580	**F412_30.1 S4 ME4SB4**	**F412_30.1 S4 MX4SB4**	426	**F412_30.1 P132 BE132S4**	**F412_30.1 P132 BX132S4**	427
49	1027	1.7	30.0	9950	**F512_30.0 S4 ME4SB4**	**F512_30.0 S4 MX4SB4**	430	**F512_30.0 P132 BE132S4**	**F512_30.0 P132 BX132S4**	431
49	992	2.9	29.6	20000	**F603_29.6 S4 ME4SB4**	**F603_29.6 S4 MX4SB4**	434	**F603_29.6 P132 BE132S4**	**F603_29.6 P132 BX132S4**	435
57	851	2.2	25.4	20000	**F603_25.4 S4 ME4SB4**	**F603_25.4 S4 MX4SB4**	434	**F603_25.4 P132 BE132S4**	**F603_25.4 P132 BX132S4**	435
61	825	1.3	24.1	6580	**F412_24.1 S4 ME4SB4**	**F412_24.1 S4 MX4SB4**	426	**F412_24.1 P132 BE132S4**	**F412_24.1 P132 BX132S4**	427
61	814	2.0	23.8	9560	**F512_23.8 S4 ME4SB4**	**F512_23.8 S4 MX4SB4**	430	**F512_23.8 P132 BE132S4**	**F512_23.8 P132 BX132S4**	431
62	786	2.4	23.5	20000	**F603_23.5 S4 ME4SB4**	**F603_23.5 S4 MX4SB4**	434	**F603_23.5 P132 BE132S4**	**F603_23.5 P132 BX132S4**	435
71	692	2.7	20.7	20000	**F603_20.7 S4 ME4SB4**	**F603_20.7 S4 MX4SB4**	434	**F603_20.7 P132 BE132S4**	**F603_20.7 P132 BX132S4**	435
77	638	3.0	19.1	20000	**F603_19.1 S4 ME4SB4**	**F603_19.1 S4 MX4SB4**	434	**F603_19.1 P132 BE132S4**	**F603_19.1 P132 BX132S4**	435
77	646	1.7	18.9	6480	**F412_18.9 S4 ME4SB4**	**F412_18.9 S4 MX4SB4**	426	**F412_18.9 P132 BE132S4**	**F412_18.9 P132 BX132S4**	427
78	644	2.4	18.8	9110	**F512_18.8 S4 ME4SB4**	**F512_18.8 S4 MX4SB4**	430	**F512_18.8 P132 BE132S4**	**F512_18.8 P132 BX132S4**	431
79	632	0.9	18.5	4480	**F312_18.5 S4 ME4SB4**	**F312_18.5 S4 MX4SB4**	422	**F312_18.5 P132 BE132S4**	**F312_18.5 P132 BX132S4**	423
85	585	1.8	17.1	6410	**F412_17.1 S4 ME4SB4**	**F412_17.1 S4 MX4SB4**	426	**F412_17.1 P132 BE132S4**	**F412_17.1 P132 BX132S4**	427
87	575	1.0	16.8	4300	**F312_16.8 S4 ME4SB4**	**F312_16.8 S4 MX4SB4**	422	**F312_16.8 P132 BE132S4**	**F312_16.8 P132 BX132S4**	423
100	500	2.0	14.6	6280	**F412_14.6 S4 ME4SB4**	**F412_14.6 S4 MX4SB4**	426	**F412_14.6 P132 BE132S4**	**F412_14.6 P132 BX132S4**	427
104	478	3.0	14.0	8520	**F512_14.0 S4 ME4SB4**	**F512_14.0 S4 MX4SB4**	430	**F512_14.0 P132 BE132S4**	**F512_14.0 P132 BX132S4**	431
105	477	1.3	13.9	4180	**F312_13.9 S4 ME4SB4**	**F312_13.9 S4 MX4SB4**	422	**F312_13.9 P132 BE132S4**	**F312_13.9 P132 BX132S4**	423
115	435	1.4	12.7	3980	**F312_12.7 S4 ME4SB4**	**F312_12.7 S4 MX4SB4**	422	**F312_12.7 P132 BE132S4**	**F312_12.7 P132 BX132S4**	423
131	380	3.5	11.1	8050	**F512_11.1 S4 ME4SB4**	**F512_11.1 S4 MX4SB4**	430	**F512_11.1 P132 BE132S4**	**F512_11.1 P132 BX132S4**	431
136	368	2.4	10.8	5970	**F412_10.8 S4 ME4SB4**	**F412_10.8 S4 MX4SB4**	426	**F412_10.8 P132 BE132S4**	**F412_10.8 P132 BX132S4**	427
136	368	1.6	10.7	3880	**F312_10.7 S4 ME4SB4**	**F312_10.7 S4 MX4SB4**	422	**F312_10.7 P132 BE132S4**	**F312_10.7 P132 BX132S4**	423
160	312	2.2	9.1	5810	**F412_9.1 S4 ME4SB4**	**F412_9.1 S4 MX4SB4**	426	**F412_9.1 P132 BE132S4**	**F412_9.1 P132 BX132S4**	427
161	310	3.6	9.1	7590	**F512_9.1 S4 ME4SB4**	**F512_9.1 S4 MX4SB4**	430	**F512_9.1 P132 BE132S4**	**F512_9.1 P132 BX132S4**	431
162	308	1.3	9.0	3850	**F312_9.0 S4 ME4SB4**	**F312_9.0 S4 MX4SB4**	422	**F312_9.0 P132 BE132S4**	**F312_9.0 P132 BX132S4**	423
177	281	1.4	8.2	3750	**F312_8.2 S4 ME4SB4**	**F312_8.2 S4 MX4SB4**	422	**F312_8.2 P132 BE132S4**	**F312_8.2 P132 BX132S4**	423
200	250	3.3	14.6	5510	**F412_14.6 S4 ME4SB2**		426	**F412_14.6 P132 BE132SA2**		427
210	238	1.6	6.9	3610	**F312_6.9 S4 ME4SB4**	**F312_6.9 S4 MX4SB4**	422	**F312_6.9 P132 BE132S4**	**F312_6.9 P132 BX132S4**	423
217	230	2.8	6.7	5430	**F412_6.7 S4 ME4SB4**	**F412_6.7 S4 MX4SB4**	426	**F412_6.7 P132 BE132S4**	**F412_6.7 P132 BX132S4**	427
272	184	4.0	10.8	5120	**F412_10.8 S4 ME4SB2**		426	**F412_10.8 P132 BE132SA2**		427
320	156	3.9	9.1	4930	**F412_9.1 S4 ME4SB2**		426	**F412_9.1 P132 BE132SA2**		427



7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
4.0	15957	0.9	361.8	55000	**F904_361.8 S4 ME4LA4**	**F904_361.8 S4 MX4LA4**	444	**F904_361.8 P132 BE132MA4**	**F904_361.8 P132 BX132MA4**	445
5.0	12838	1.1	291.1	55000	**F904_291.1 S4 ME4LA4**	**F904_291.1 S4 MX4LA4**	444	**F904_291.1 P132 BE132MA4**	**F904_291.1 P132 BX132MA4**	445
5.4	11851	1.2	268.7	55000	**F904_268.7 S4 ME4LA4**	**F904_268.7 S4 MX4LA4**	444	**F904_268.7 P132 BE132MA4**	**F904_268.7 P132 BX132MA4**	445
6.3	10204	1.4	231.4	55000	**F904_231.4 S4 ME4LA4**	**F904_231.4 S4 MX4LA4**	444	**F904_231.4 P132 BE132MA4**	**F904_231.4 P132 BX132MA4**	445
6.8	9419	1.5	213.6	55000	**F904_213.6 S4 ME4LA4**	**F904_213.6 S4 MX4LA4**	444	**F904_213.6 P132 BE132MA4**	**F904_213.6 P132 BX132MA4**	445
7.3	9114	0.9	200.0	45000	**F803_200.0 S4 ME4LA4**	**F803_200.0 S4 MX4LA4**	441	**F803_200.0 P132 BE132MA4**	**F803_200.0 P132 BX132MA4**	442
7.5	8848	1.6	194.2	55000	**F903_194.2 S4 ME4LA4**	**F903_194.2 S4 MX4LA4**	444	**F903_194.2 P132 BE132MA4**	**F903_194.2 P132 BX132MA4**	445
7.9	8413	1.0	184.6	45000	**F803_184.6 S4 ME4LA4**	**F803_184.6 S4 MX4LA4**	441	**F803_184.6 P132 BE132MA4**	**F803_184.6 P132 BX132MA4**	442
8.1	8167	1.7	179.2	55000	**F903_179.2 S4 ME4LA4**	**F903_179.2 S4 MX4LA4**	444	**F903_179.2 P132 BE132MA4**	**F903_179.2 P132 BX132MA4**	445
8.9	7420	1.9	162.8	55000	**F903_162.8 S4 ME4LA4**	**F903_162.8 S4 MX4LA4**	444	**F903_162.8 P132 BE132MA4**	**F903_162.8 P132 BX132MA4**	445
9.1	7302	1.1	160.2	45000	**F803_160.2 S4 ME4LA4**	**F803_160.2 S4 MX4LA4**	441	**F803_160.2 P132 BE132MA4**	**F803_160.2 P132 BX132MA4**	442
9.7	6849	2.0	150.3	55000	**F903_150.3 S4 ME4LA4**	**F903_150.3 S4 MX4LA4**	444	**F903_150.3 P132 BE132MA4**	**F903_150.3 P132 BX132MA4**	445
9.8	6740	1.2	147.9	45000	**F803_147.9 S4 ME4LA4**	**F803_147.9 S4 MX4LA4**	441	**F803_147.9 P132 BE132MA4**	**F803_147.9 P132 BX132MA4**	442
10.6	6259	2.2	137.3	55000	**F903_137.3 S4 ME4LA4**	**F903_137.3 S4 MX4LA4**	444	**F903_137.3 P132 BE132MA4**	**F903_137.3 P132 BX132MA4**	445
11.0	6047	1.3	132.7	45000	**F803_132.7 S4 ME4LA4**	**F803_132.7 S4 MX4LA4**	441	**F803_132.7 P132 BE132MA4**	**F803_132.7 P132 BX132MA4**	442
11.5	5777	2.4	126.8	55000	**F903_126.8 S4 ME4LA4**	**F903_126.8 S4 MX4LA4**	444	**F903_126.8 P132 BE132MA4**	**F903_126.8 P132 BX132MA4**	445
11.9	5593	0.9	122.7	35000	**F703_122.7 S4 ME4LA4**	**F703_122.7 S4 MX4LA4**	438	**F703_122.7 P132 BE132MA4**	**F703_122.7 P132 BX132MA4**	439
11.9	5582	1.4	122.5	45000	**F803_122.5 S4 ME4LA4**	**F803_122.5 S4 MX4LA4**	441	**F803_122.5 P132 BE132MA4**	**F803_122.5 P132 BX132MA4**	442
12.8	5184	1.5	113.8	45000	**F803_113.8 S4 ME4LA4**	**F803_113.8 S4 MX4LA4**	441	**F803_113.8 P132 BE132MA4**	**F803_113.8 P132 BX132MA4**	442
13.0	5101	2.7	111.9	55000	**F903_111.9 S4 ME4LA4**	**F903_111.9 S4 MX4LA4**	444	**F903_111.9 P132 BE132MA4**	**F903_111.9 P132 BX132MA4**	445
13.3	4995	1.0	109.6	35000	**F703_109.6 S4 ME4LA4**	**F703_109.6 S4 MX4LA4**	438	**F703_109.6 P132 BE132MA4**	**F703_109.6 P132 BX132MA4**	439
13.9	4785	1.7	105.0	45000	**F803_105.0 S4 ME4LA4**	**F803_105.0 S4 MX4LA4**	441	**F803_105.0 P132 BE132MA4**	**F803_105.0 P132 BX132MA4**	442
14.1	4709	3.0	103.3	55000	**F903_103.3 S4 ME4LA4**	**F903_103.3 S4 MX4LA4**	444	**F903_103.3 P132 BE132MA4**	**F903_103.3 P132 BX132MA4**	445
14.4	4611	1.1	101.2	35000	**F703_101.2 S4 ME4LA4**	**F703_101.2 S4 MX4LA4**	438	**F703_101.2 P132 BE132MA4**	**F703_101.2 P132 BX132MA4**	439
15.2	4364	3.2	95.8	55000	**F903_95.8 S4 ME4LA4**	**F903_95.8 S4 MX4LA4**	444	**F903_95.8 P132 BE132MA4**	**F903_95.8 P132 BX132MA4**	445
15.7	4215	1.2	92.5	35000	**F703_92.5 S4 ME4LA4**	**F703_92.5 S4 MX4LA4**	438	**F703_92.5 P132 BE132MA4**	**F703_92.5 P132 BX132MA4**	439
15.8	4206	1.9	92.3	45000	**F803_92.3 S4 ME4LA4**	**F803_92.3 S4 MX4LA4**	441	**F803_92.3 P132 BE132MA4**	**F803_92.3 P132 BX132MA4**	442
16.5	4028	3.5	88.4	55000	**F903_88.4 S4 ME4LA4**	**F903_88.4 S4 MX4LA4**	444	**F903_88.4 P132 BE132MA4**	**F903_88.4 P132 BX132MA4**	445
17.0	3891	1.3	85.4	35000	**F703_85.4 S4 ME4LA4**	**F703_85.4 S4 MX4LA4**	438	**F703_85.4 P132 BE132MA4**	**F703_85.4 P132 BX132MA4**	439
17.1	3883	2.1	85.2	45000	**F803_85.2 S4 ME4LA4**	**F803_85.2 S4 MX4LA4**	441	**F803_85.2 P132 BE132MA4**	**F803_85.2 P132 BX132MA4**	442
19.1	3475	2.3	76.3	45000	**F803_76.3 S4 ME4LA4**	**F803_76.3 S4 MX4LA4**	441	**F803_76.3 P132 BE132MA4**	**F803_76.3 P132 BX132MA4**	442
19.8	3352	1.5	73.6	35000	**F703_73.6 S4 ME4LA4**	**F703_73.6 S4 MX4LA4**	438	**F703_73.6 P132 BE132MA4**	**F703_73.6 P132 BX132MA4**	439
20.7	3207	2.5	70.4	44700	**F803_70.4 S4 ME4LA4**	**F803_70.4 S4 MX4LA4**	441	**F803_70.4 P132 BE132MA4**	**F803_70.4 P132 BX132MA4**	442
21.3	3112	0.9	68.3	20000	**F603_68.3 S4 ME4LA4**	**F603_68.3 S4 MX4LA4**	434	**F603_68.3 P132 BE132MA4**	**F603_68.3 P132 BX132MA4**	435
21.4	3094	1.6	67.9	35000	**F703_67.9 S4 ME4LA4**	**F703_67.9 S4 MX4LA4**	438	**F703_67.9 P132 BE132MA4**	**F703_67.9 P132 BX132MA4**	439
23.1	2872	1.0	63.0	20000	**F603_63.0 S4 ME4LA4**	**F603_63.0 S4 MX4LA4**	434	**F603_63.0 P132 BE132MA4**	**F603_63.0 P132 BX132MA4**	435
23.3	2848	1.8	62.5	35000	**F703_62.5 S4 ME4LA4**	**F703_62.5 S4 MX4LA4**	438	**F703_62.5 P132 BE132MA4**	**F703_62.5 P132 BX132MA4**	439
23.7	2801	2.9	61.5	43500	**F803_61.5 S4 ME4LA4**	**F803_61.5 S4 MX4LA4**	441	**F803_61.5 P132 BE132MA4**	**F803_61.5 P132 BX132MA4**	442
25.2	2629	1.9	57.7	34900	**F703_57.7 S4 ME4LA4**	**F703_57.7 S4 MX4LA4**	438	**F703_57.7 P132 BE132MA4**	**F703_57.7 P132 BX132MA4**	439
25.6	2585	3.1	56.7	42600	**F803_56.7 S4 ME4LA4**	**F803_56.7 S4 MX4LA4**	441	**F803_56.7 P132 BE132MA4**	**F803_56.7 P132 BX132MA4**	442
28.1	2362	1.2	51.8	20000	**F603_51.8 S4 ME4LA4**	**F603_51.8 S4 MX4LA4**	434	**F603_51.8 P132 BE132MA4**	**F603_51.8 P132 BX132MA4**	435
29.7	2231	2.2	49.0	33800	**F703_49.0 S4 ME4LA4**	**F703_49.0 S4 MX4LA4**	438	**F703_49.0 P132 BE132MA4**	**F703_49.0 P132 BX132MA4**	439
30	2180	1.3	47.8	20000	**F603_47.8 S4 ME4LA4**	**F603_47.8 S4 MX4LA4**	434	**F603_47.8 P132 BE132MA4**	**F603_47.8 P132 BX132MA4**	435
32	2059	2.4	45.2	33200	**F703_45.2 S4 ME4LA4**	**F703_45.2 S4 MX4LA4**	438	**F703_45.2 P132 BE132MA4**	**F703_45.2 P132 BX132MA4**	439
35	1918	1.5	42.1	20000	**F603_42.1 S4 ME4LA4**	**F603_42.1 S4 MX4LA4**	434	**F603_42.1 P132 BE132MA4**	**F603_42.1 P132 BX132MA4**	435
37	1770	1.6	38.8	20000	**F603_38.8 S4 ME4LA4**	**F603_38.8 S4 MX4LA4**	434	**F603_38.8 P132 BE132MA4**	**F603_38.8 P132 BX132MA4**	435
39	1729	1.0	37.1	9090	**F512_37.1 S4 ME4LA4**	**F512_37.1 S4 MX4LA4**	430	**F512_37.1 P132 BE132MA4**	**F512_37.1 P132 BX132MA4**	431
45	1462	2.0	32.1	20000	**F603_32.1 S4 ME4LA4**	**F603_32.1 S4 MX4LA4**	434	**F603_32.1 P132 BE132MA4**	**F603_32.1 P132 BX132MA4**	435
48	1398	1.2	30.0	9010	**F512_30.0 S4 ME4LA4**	**F512_30.0 S4 MX4LA4**	430	**F512_30.0 P132 BE132MA4**	**F512_30.0 P132 BX132MA4**	431
49	1350	2.1	29.6	20000	**F603_29.6 S4 ME4LA4**	**F603_29.6 S4 MX4LA4**	434	**F603_29.6 P132 BE132MA4**	**F603_29.6 P132 BX132MA4**	435
57	1158	1.6	25.4	20000	**F603_25.4 S4 ME4LA4**	**F603_25.4 S4 MX4LA4**	434	**F603_25.4 P132 BE132MA4**	**F603_25.4 P132 BX132MA4**	435
60	1123	1.0	24.1	5500	**F412_24.1 S4 ME4LA4**	**F412_24.1 S4 MX4LA4**	426	**F412_24.1 P132 BE132MA4**	**F412_24.1 P132 BX132MA4**	427
61	1108	1.5	23.8	8810	**F512_23.8 S4 ME4LA4**	**F512_23.8 S4 MX4LA4**	430	**F512_23.8 P132 BE132MA4**	**F512_23.8 P132 BX132MA4**	431
62	1069	1.8	23.5	20000	**F603_23.5 S4 ME4LA4**	**F603_23.5 S4 MX4LA4**	434	**F603_23.5 P132 BE132MA4**	**F603_23.5 P132 BX132MA4**	435
70	941	2.0	20.7	20000	**F603_20.7 S4 ME4LA4**	**F603_20.7 S4 MX4LA4**	434	**F603_20.7 P132 BE132MA4**	**F603_20.7 P132 BX132MA4**	435
76	869	2.2	19.1	20000	**F603_19.1 S4 ME4LA4**	**F603_19.1 S4 MX4LA4**	434	**F603_19.1 P132 BE132MA4**	**F603_19.1 P132 BX132MA4**	435
77	879	1.2	18.9	5630	**F412_18.9 S4 ME4LA4**	**F412_18.9 S4 MX4LA4**	426	**F412_18.9 P132 BE132MA4**	**F412_18.9 P132 BX132MA4**	427
77	876	1.8	18.8	8520	**F512_18.8 S4 ME4LA4**	**F512_18.8 S4 MX4LA4**	430	**F512_18.8 P132 BE132MA4**	**F512_18.8 P132 BX132MA4**	431
85	797	1.3	17.1	5650	**F412_17.1 S4 ME4LA4**	**F412_17.1 S4 MX4LA4**	426	**F412_17.1 P132 BE132MA4**	**F412_17.1 P132 BX132MA4**	427
93	715	2.7	15.7	20000	**F603_15.7 S4 ME4LA4**	**F603_15.7 S4 MX4LA4**	434	**F603_15.7 P132 BE132MA4**	**F603_15.7 P132 BX132MA4**	435
99	681	1.5	14.6	5630	**F412_14.6 S4 ME4LA4**	**F412_14.6 S4 MX4LA4**	426	**F412_14.6 P132 BE132MA4**	**F412_14.6 P132 BX132MA4**	427
101	660	2.9	14.5	20000	**F603_14.5 S4 ME4LA4**	**F603_14.5 S4 MX4LA4**	434	**F603_14.5 P132 BE132MA4**	**F603_14.5 P132 BX132MA4**	435
104	651	2.2	14.0	8080	**F512_14.0 S4 ME4LA4**	**F512_14.0 S4 MX4LA4**	430	**F512_14.0 P132 BE132MA4**	**F512_14.0 P132 BX132MA4**	431
104	649	0.9	13.9	3980	**F312_13.9 S4 ME4LA4**	**F312_13.9 S4 MX4LA4**	422	**F312_13.9 P132 BE132MA4**	**F312_13.9 P132 BX132MA4**	423
114	580	3.3	12.7	19900	**F603_12.7 S4 ME4LA4**	**F603_12.7 S4 MX4LA4**	434	**F603_12.7 P132 BE132MA4**	**F603_12.7 P132 BX132MA4**	435

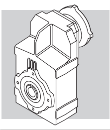


7.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
114	592	1.0	12.7	3880	**F312_12.7 S4 ME4LA4**	**F312_12.7 S4 MX4LA4**	422	**F312_12.7 P132 BE132MA4**	**F312_12.7 P132 BX132MA4**	423
124	536	3.5	11.8	19500	**F603_11.8 S4 ME4LA4**	**F603_11.8 S4 MX4LA4**	434	**F603_11.8 P132 BE132MA4**	**F603_11.8 P132 BX132MA4**	435
131	517	2.6	11.1	7700	**F512_11.1 S4 ME4LA4**	**F512_11.1 S4 MX4LA4**	430	**F512_11.1 P132 BE132MA4**	**F512_11.1 P132 BX132MA4**	431
135	501	1.8	10.8	5490	**F412_10.8 S4 ME4LA4**	**F412_10.8 S4 MX4LA4**	426	**F412_10.8 P132 BE132MA4**	**F412_10.8 P132 BX132MA4**	427
135	500	1.2	10.7	3730	**F312_10.7 S4 ME4LA4**	**F312_10.7 S4 MX4LA4**	422	**F312_10.7 P132 BE132MA4**	**F312_10.7 P132 BX132MA4**	423
159	425	1.6	9.1	5410	**F412_9.1 S4 ME4LA4**	**F412_9.1 S4 MX4LA4**	426	**F412_9.1 P132 BE132MA4**	**F412_9.1 P132 BX132MA4**	427
161	421	2.6	9.1	7290	**F512_9.1 S4 ME4LA4**	**F512_9.1 S4 MX4LA4**	430	**F512_9.1 P132 BE132MA4**	**F512_9.1 P132 BX132MA4**	431
161	420	0.9	9.0	3770	**F312_9.0 S4 ME4LA4**	**F312_9.0 S4 MX4LA4**	422	**F312_9.0 P132 BE132MA4**	**F312_9.0 P132 BX132MA4**	423
177	383	1.0	8.2	3680	**F312_8.2 S4 ME4LA4**	**F312_8.2 S4 MX4LA4**	422	**F312_8.2 P132 BE132MA4**	**F312_8.2 P132 BX132MA4**	423
202	335	2.9	7.2	6900	**F512_7.2 S4 ME4LA4**	**F512_7.2 S4 MX4LA4**	430	**F512_7.2 P132 BE132MA4**	**F512_7.2 P132 BX132MA4**	431
209	323	1.2	6.9	3520	**F312_6.9 S4 ME4LA4**	**F312_6.9 S4 MX4LA4**	422	**F312_6.9 P132 BE132MA4**	**F312_6.9 P132 BX132MA4**	423
216	313	2.0	6.7	5140	**F412_6.7 S4 ME4LA4**	**F412_6.7 S4 MX4LA4**	426	**F412_6.7 P132 BE132MA4**	**F412_6.7 P132 BX132MA4**	427
272	251	2.9	10.8	4880	**F412_10.8 S4 ME4LA2**		426	**F412_10.8 P132 BE132SB2**		427
320	213	2.9	9.1	4730	**F412_9.1 S4 ME4LA2**		426	**F412_9.1 P132 BE132SB2**		427
435	156	3.3	6.7	4390	**F412_6.7 S4 ME4LA2**		426	**F412_6.7 P132 BE132SB2**		427

9.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
5.0	15983	0.9	291.1	55000	**F904_291.1 S4 ME4LB4**		444	**F904_291.1 P132 BE132MB4**	**F904_291.1 P160 BX160MA4**	445
5.4	14753	0.9	268.7	55000	**F904_268.7 S4 ME4LB4**		444	**F904_268.7 P132 BE132MB4**	**F904_268.7 P160 BX160MA4**	445
6.3	12703	1.1	231.4	55000	**F904_231.4 S4 ME4LB4**		444	**F904_231.4 P132 BE132MB4**	**F904_231.4 P160 BX160MA4**	445
6.8	11726	1.2	213.6	55000	**F904_213.6 S4 ME4LB4**		444	**F904_213.6 P132 BE132MB4**	**F904_213.6 P160 BX160MA4**	445
7.5	11014	1.3	194.2	55000	**F903_194.2 S4 ME4LB4**	**F903_194.2 S5 MX5SA4**	444	**F903_194.2 P132 BE132MB4**	**F903_194.2 P160 BX160MA4**	445
8.1	10167	1.4	179.2	55000	**F903_179.2 S4 ME4LB4**	**F903_179.2 S5 MX5SA4**	444	**F903_179.2 P132 BE132MB4**	**F903_179.2 P160 BX160MA4**	445
8.9	9237	1.5	162.8	55000	**F903_162.8 S4 ME4LB4**	**F903_162.8 S5 MX5SA4**	444	**F903_162.8 P132 BE132MB4**	**F903_162.8 P160 BX160MA4**	445
9.0	9090	0.9	160.2	45000	**F803_160.2 S4 ME4LB4**	**F803_160.2 S5 MX5SA4**	441	**F803_160.2 P132 BE132MB4**	**F803_160.2 P160 BX160MA4**	442
9.6	8527	1.6	150.3	55000	**F903_150.3 S4 ME4LB4**	**F903_150.3 S5 MX5SA4**	444	**F903_150.3 P132 BE132MB4**	**F903_150.3 P160 BX160MA4**	445
9.8	8390	1.0	147.9	45000	**F803_147.9 S4 ME4LB4**	**F803_147.9 S5 MX5SA4**	441	**F803_147.9 P132 BE132MB4**	**F803_147.9 P160 BX160MA4**	442
10.6	7791	1.8	137.3	55000	**F903_137.3 S4 ME4LB4**	**F903_137.3 S5 MX5SA4**	444	**F903_137.3 P132 BE132MB4**	**F903_137.3 P160 BX160MA4**	445
10.9	7528	1.1	132.7	45000	**F803_132.7 S4 ME4LB4**	**F803_132.7 S5 MX5SA4**	441	**F803_132.7 P132 BE132MB4**	**F803_132.7 P160 BX160MA4**	442
11.4	7192	1.9	126.8	55000	**F903_126.8 S4 ME4LB4**	**F903_126.8 S5 MX5SA4**	444	**F903_126.8 P132 BE132MB4**	**F903_126.8 P160 BX160MA4**	445
11.8	6949	1.2	122.5	45000	**F803_122.5 S4 ME4LB4**	**F803_122.5 S5 MX5SA4**	441	**F803_122.5 P132 BE132MB4**	**F803_122.5 P160 BX160MA4**	442
12.7	6453	1.2	113.8	45000	**F803_113.8 S4 ME4LB4**	**F803_113.8 S5 MX5SA4**	441	**F803_113.8 P132 BE132MB4**	**F803_113.8 P160 BX160MA4**	442
13.0	6351	2.2	111.9	55000	**F903_111.9 S4 ME4LB4**	**F903_111.9 S5 MX5SA4**	444	**F903_111.9 P132 BE132MB4**	**F903_111.9 P160 BX160MA4**	445
13.8	5957	1.3	105.0	45000	**F803_105.0 S4 ME4LB4**	**F803_105.0 S5 MX5SA4**	441	**F803_105.0 P132 BE132MB4**	**F803_105.0 P160 BX160MA4**	442
14.0	5862	2.4	103.3	55000	**F903_103.3 S4 ME4LB4**	**F903_103.3 S5 MX5SA4**	444	**F903_103.3 P132 BE132MB4**	**F903_103.3 P160 BX160MA4**	445
15.1	5432	2.6	95.8	55000	**F903_95.8 S4 ME4LB4**	**F903_95.8 S5 MX5SA4**	444	**F903_95.8 P132 BE132MB4**	**F903_95.8 P160 BX160MA4**	445
15.7	5248	1.0	92.5	35000	**F703_92.5 S4 ME4LB4**	**F703_92.5 S5 MX5SA4**	438	**F703_92.5 P132 BE132MB4**	**F703_92.5 P160 BX160MA4**	439
15.7	5237	1.5	92.3	45000	**F803_92.3 S4 ME4LB4**	**F803_92.3 S5 MX5SA4**	441	**F803_92.3 P132 BE132MB4**	**F803_92.3 P160 BX160MA4**	442
16.4	5015	2.8	88.4	55000	**F903_88.4 S4 ME4LB4**	**F903_88.4 S5 MX5SA4**	444	**F903_88.4 P132 BE132MB4**	**F903_88.4 P160 BX160MA4**	445
17.0	4844	1.0	85.4	35000	**F703_85.4 S4 ME4LB4**	**F703_85.4 S5 MX5SA4**	438	**F703_85.4 P132 BE132MB4**	**F703_85.4 P160 BX160MA4**	439
17.0	4834	1.7	85.2	45000	**F803_85.2 S4 ME4LB4**	**F803_85.2 S5 MX5SA4**	441	**F803_85.2 P132 BE132MB4**	**F803_85.2 P160 BX160MA4**	442
18.9	4348	3.2	76.7	55000	**F903_76.7 S4 ME4LB4**	**F903_76.7 S5 MX5SA4**	444	**F903_76.7 P132 BE132MB4**	**F903_76.7 P160 BX160MA4**	445
19.0	4326	1.8	76.3	44100	**F803_76.3 S4 ME4LB4**	**F803_76.3 S5 MX5SA4**	441	**F803_76.3 P132 BE132MB4**	**F803_76.3 P160 BX160MA4**	442
19.7	4173	1.2	73.6	35000	**F703_73.6 S4 ME4LB4**	**F703_73.6 S5 MX5SA4**	438	**F703_73.6 P132 BE132MB4**	**F703_73.6 P160 BX160MA4**	439
20.5	4014	3.5	70.8	55000	**F903_70.8 S4 ME4LB4**	**F903_70.8 S5 MX5SA4**	444	**F903_70.8 P132 BE132MB4**	**F903_70.8 P160 BX160MA4**	445
20.6	3993	2.0	70.4	43700	**F803_70.4 S4 ME4LB4**	**F803_70.4 S5 MX5SA4**	441	**F803_70.4 P132 BE132MB4**	**F803_70.4 P160 BX160MA4**	442
21.4	3852	1.3	67.9	34600	**F703_67.9 S4 ME4LB4**	**F703_67.9 S5 MX5SA4**	438	**F703_67.9 P132 BE132MB4**	**F703_67.9 P160 BX160MA4**	439
23.2	3546	1.4	62.5	34200	**F703_62.5 S4 ME4LB4**	**F703_62.5 S5 MX5SA4**	438	**F703_62.5 P132 BE132MB4**	**F703_62.5 P160 BX160MA4**	439
23.6	3487	2.3	61.5	42200	**F803_61.5 S4 ME4LB4**	**F803_61.5 S5 MX5SA4**	441	**F803_61.5 P132 BE132MB4**	**F803_61.5 P160 BX160MA4**	442
25.1	3273	1.5	57.7	33700	**F703_57.7 S4 ME4LB4**	**F703_57.7 S5 MX5SA4**	438	**F703_57.7 P132 BE132MB4**	**F703_57.7 P160 BX160MA4**	439
25.6	3218	2.5	56.7	41400	**F803_56.7 S4 ME4LB4**	**F803_56.7 S5 MX5SA4**	441	**F803_56.7 P132 BE132MB4**	**F803_56.7 P160 BX160MA4**	442
28.0	2940	1.0	51.8	20000	**F603_51.8 S4 ME4LB4**	**F603_51.8 S5 MX5SA4**	434	**F603_51.8 P132 BE132MB4**	**F603_51.8 P160 BX160MA4**	435
29.6	2777	1.8	49.0	32800	**F703_49.0 S4 ME4LB4**	**F703_49.0 S5 MX5SA4**	438	**F703_49.0 P132 BE132MB4**	**F703_49.0 P160 BX160MA4**	439
30	2714	1.1	47.8	20000	**F603_47.8 S4 ME4LB4**	**F603_47.8 S5 MX5SA4**	434	**F603_47.8 P132 BE132MB4**	**F603_47.8 P160 BX160MA4**	435
32	2564	2.0	45.2	32300	**F703_45.2 S4 ME4LB4**	**F703_45.2 S5 MX5SA4**	438	**F703_45.2 P132 BE132MB4**	**F703_45.2 P160 BX160MA4**	439
34	2387	1.2	42.1	20000	**F603_42.1 S4 ME4LB4**	**F603_42.1 S5 MX5SA4**	434	**F603_42.1 P132 BE132MB4**	**F603_42.1 P160 BX160MA4**	435
37	2204	1.3	38.8	20000	**F603_38.8 S4 ME4LB4**	**F603_38.8 S5 MX5SA4**	434	**F603_38.8 P132 BE132MB4**	**F603_38.8 P160 BX160MA4**	435

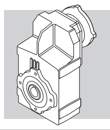


9.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
45	1820	1.6	32.1	20000	F603_32.1 S4 ME4LB4	F603_32.1 S5 MX5SA4	434	F603_32.1 P132 BE132MB4	F603_32.1 P160 BX160MA4	435
48	1741	1.0	30.0	8210	F512_30.0 S4 ME4LB4	F512_30.0 S5 MX5SA4	430	F512_30.0 P132 BE132MB4	F512_30.0 P160 BX160MA4	431
49	1680	1.7	29.6	20000	F603_29.6 S4 ME4LB4	F603_29.6 S5 MX5SA4	434	F603_29.6 P132 BE132MB4	F603_29.6 P160 BX160MA4	435
57	1442	1.3	25.4	20000	F603_25.4 S4 ME4LB4	F603_25.4 S5 MX5SA4	434	F603_25.4 P132 BE132MB4	F603_25.4 P160 BX160MA4	435
59	1393	2.9	24.6	28300	F703_24.6 S4 ME4LB4	F703_24.6 S5 MX5SA4	438	F703_24.6 P132 BE132MB4	F703_24.6 P160 BX160MA4	439
61	1379	1.2	23.8	8170	F512_23.8 S4 ME4LB4	F512_23.8 S5 MX5SA4	430	F512_23.8 P132 BE132MB4	F512_23.8 P160 BX160MA4	431
62	1331	1.4	23.5	20000	F603_23.5 S4 ME4LB4	F603_23.5 S5 MX5SA4	434	F603_23.5 P132 BE132MB4	F603_23.5 P160 BX160MA4	435
64	1282	3.4	22.6	27800	F703_22.6 S4 ME4LB4	F703_22.6 S5 MX5SA4	438	F703_22.6 P132 BE132MB4	F703_22.6 P160 BX160MA4	439
69	1184	3.4	20.9	27200	F703_20.9 S4 ME4LB4	F703_20.9 S5 MX5SA4	438	F703_20.9 P132 BE132MB4	F703_20.9 P160 BX160MA4	439
70	1172	1.6	20.7	20000	F603_20.7 S4 ME4LB4	F603_20.7 S5 MX5SA4	434	F603_20.7 P132 BE132MB4	F603_20.7 P160 BX160MA4	435
76	1082	1.8	19.1	20000	F603_19.1 S4 ME4LB4	F603_19.1 S5 MX5SA4	434	F603_19.1 P132 BE132MB4	F603_19.1 P160 BX160MA4	435
77	1095	1.0	18.9	4920	F412_18.9 S4 ME4LB4		426	F412_18.9 P132 BE132MB4		427
77	1091	1.4	18.8	8020	F512_18.8 S4 ME4LB4	F512_18.8 S5 MX5SA4	430	F512_18.8 P132 BE132MB4	F512_18.8 P160 BX160MA4	431
85	992	1.1	17.1	5000	F412_17.1 S4 ME4LB4		426	F412_17.1 P132 BE132MB4		427
92	890	2.1	15.7	20000	F603_15.7 S4 ME4LB4	F603_15.7 S5 MX5SA4	434	F603_15.7 P132 BE132MB4	F603_15.7 P160 BX160MA4	435
99	848	1.2	14.6	5070	F412_14.6 S4 ME4LB4		426	F412_14.6 P132 BE132MB4		427
100	821	2.3	14.5	20000	F603_14.5 S4 ME4LB4	F603_14.5 S5 MX5SA4	434	F603_14.5 P132 BE132MB4	F603_14.5 P160 BX160MA4	435
104	810	1.8	14.0	7700	F512_14.0 S4 ME4LB4	F512_14.0 S5 MX5SA4	430	F512_14.0 P132 BE132MB4	F512_14.0 P160 BX160MA4	431
114	722	2.6	12.7	19700	F603_12.7 S4 ME4LB4	F603_12.7 S5 MX5SA4	434	F603_12.7 P132 BE132MB4	F603_12.7 P160 BX160MA4	435
123	667	2.8	11.8	19300	F603_11.8 S4 ME4LB4	F603_11.8 S5 MX5SA4	434	F603_11.8 P132 BE132MB4	F603_11.8 P160 BX160MA4	435
131	644	2.1	11.1	7400	F512_11.1 S4 ME4LB4	F512_11.1 S5 MX5SA4	430	F512_11.1 P132 BE132MB4	F512_11.1 P160 BX160MA4	431
135	624	1.4	10.8	5080	F412_10.8 S4 ME4LB4		426	F412_10.8 P132 BE132MB4		427
135	623	1.0	10.7	3660	F312_10.7 S4 ME4LB4		422	F312_10.7 P132 BE132MB4		423
149	551	3.5	9.7	18400	F603_9.7 S4 ME4LB4	F603_9.7 S5 MX5SA4	434	F603_9.7 P132 BE132MB4	F603_9.7 P160 BX160MA4	435
159	529	1.3	9.1	5080	F412_9.1 S4 ME4LB4		426	F412_9.1 P132 BE132MB4		427
160	525	2.1	9.1	7040	F512_9.1 S4 ME4LB4	F512_9.1 S5 MX5SA4	430	F512_9.1 P132 BE132MB4	F512_9.1 P160 BX160MA4	431
202	417	2.3	7.2	6700	F512_7.2 S4 ME4LB4	F512_7.2 S5 MX5SA4	430	F512_7.2 P132 BE132MB4	F512_7.2 P160 BX160MA4	431
209	403	1.0	6.9	3450	F312_6.9 S4 ME4LB4		422	F312_6.9 P132 BE132MB4		423
216	390	1.6	6.7	4890	F412_6.7 S4 ME4LB4		426	F412_6.7 P132 BE132MB4		427
263	318	3.4	11.1	6340	F512_11.1 S4 ME4LB2		430	F512_11.1 P132 BE132MB2		431
271	308	2.4	10.8	4680	F412_10.8 S4 ME4LB2		426	F412_10.8 P132 BE132MB2		427
320	261	2.3	9.1	4560	F412_9.1 S4 ME4LB2		426	F412_9.1 P132 BE132MB2		427
323	259	3.5	9.1	5980	F512_9.1 S4 ME4LB2		430	F512_9.1 P132 BE132MB2		431
434	192	2.7	6.7	4270	F412_6.7 S4 ME4LB2		426	F412_6.7 P132 BE132MB2		427

11 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IEC IE2	IEC IE3	
6.4	14994	0.9	231.4	55000	F904_231.4 S5 ME5SA4	F904_231.4 S5 MX5SB4	444	F904_231.4 P160 BE160M4	F904_231.4 P160 BX160MB4	445
6.9	13841	1.0	213.6	55000	F904_213.6 S5 ME5SA4	F904_213.6 S5 MX5SB4	444	F904_213.6 P160 BE160M4	F904_213.6 P160 BX160MB4	445
7.6	13001	1.1	194.2	55000	F903_194.2 S5 ME5SA4	F903_194.2 S5 MX5SB4	444	F903_194.2 P160 BE160M4	F903_194.2 P160 BX160MB4	445
8.2	12001	1.2	179.2	55000	F903_179.2 S5 ME5SA4	F903_179.2 S5 MX5SB4	444	F903_179.2 P160 BE160M4	F903_179.2 P160 BX160MB4	445
9.0	10903	1.3	162.8	55000	F903_162.8 S5 ME5SA4	F903_162.8 S5 MX5SB4	444	F903_162.8 P160 BE160M4	F903_162.8 P160 BX160MB4	445
9.8	10064	1.4	150.3	55000	F903_150.3 S5 ME5SA4	F903_150.3 S5 MX5SB4	444	F903_150.3 P160 BE160M4	F903_150.3 P160 BX160MB4	445
10.7	9196	1.5	137.3	55000	F903_137.3 S5 ME5SA4	F903_137.3 S5 MX5SB4	444	F903_137.3 P160 BE160M4	F903_137.3 P160 BX160MB4	445
11.1	8885	0.9	132.7	45000	F803_132.7 S5 ME5SA4	F803_132.7 S5 MX5SB4	441	F803_132.7 P160 BE160M4	F803_132.7 P160 BX160MB4	442
11.6	8489	1.6	126.8	55000	F903_126.8 S5 ME5SA4	F903_126.8 S5 MX5SB4	444	F903_126.8 P160 BE160M4	F903_126.8 P160 BX160MB4	445
12.0	8202	1.0	122.5	45000	F803_122.5 S5 ME5SA4	F803_122.5 S5 MX5SB4	441	F803_122.5 P160 BE160M4	F803_122.5 P160 BX160MB4	442
12.9	7617	1.1	113.8	45000	F803_113.8 S5 ME5SA4	F803_113.8 S5 MX5SB4	441	F803_113.8 P160 BE160M4	F803_113.8 P160 BX160MB4	442
13.1	7496	1.9	111.9	55000	F903_111.9 S5 ME5SA4	F903_111.9 S5 MX5SB4	444	F903_111.9 P160 BE160M4	F903_111.9 P160 BX160MB4	445
14.0	7031	1.1	105.0	44400	F803_105.0 S5 ME5SA4	F803_105.0 S5 MX5SB4	441	F803_105.0 P160 BE160M4	F803_105.0 P160 BX160MB4	442
14.2	6919	2.0	103.3	55000	F903_103.3 S5 ME5SA4	F903_103.3 S5 MX5SB4	444	F903_103.3 P160 BE160M4	F903_103.3 P160 BX160MB4	445
15.4	6412	2.2	95.8	55000	F903_95.8 S5 ME5SA4	F903_95.8 S5 MX5SB4	444	F903_95.8 P160 BE160M4	F903_95.8 P160 BX160MB4	445
15.9	6181	1.3	92.3	44100	F803_92.3 S5 ME5SA4	F803_92.3 S5 MX5SB4	441	F803_92.3 P160 BE160M4	F803_92.3 P160 BX160MB4	442
16.6	5919	2.4	88.4	55000	F903_88.4 S5 ME5SA4	F903_88.4 S5 MX5SB4	444	F903_88.4 P160 BE160M4	F903_88.4 P160 BX160MB4	445
17.3	5705	1.4	85.2	44000	F803_85.2 S5 ME5SA4	F803_85.2 S5 MX5SB4	441	F803_85.2 P160 BE160M4	F803_85.2 P160 BX160MB4	442
19.2	5132	2.7	76.7	55000	F903_76.7 S5 ME5SA4	F903_76.7 S5 MX5SB4	444	F903_76.7 P160 BE160M4	F903_76.7 P160 BX160MB4	445
19.3	5106	1.6	76.3	42800	F803_76.3 S5 ME5SA4	F803_76.3 S5 MX5SB4	441	F803_76.3 P160 BE160M4	F803_76.3 P160 BX160MB4	442
20.0	4925	1.0	73.6	33500	F703_73.6 S5 ME5SA4	F703_73.6 S5 MX5SB4	438	F703_73.6 P160 BE160M4	F703_73.6 P160 BX160MB4	439

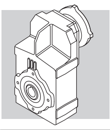


11 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
20.8	4738	3.0	70.8	55000	**F903_70.8 S5 ME5SA4**	**F903_70.8 S5 MX5SB4**	444	**F903_70.8 P160 BE160M4**	**F903_70.8 P160 BX160MB4**	445
20.9	4713	1.7	70.4	42500	**F803_70.4 S5 ME5SA4**	**F803_70.4 S5 MX5SB4**	441	**F803_70.4 P160 BE160M4**	**F803_70.4 P160 BX160MB4**	442
21.6	4547	1.1	67.9	33100	**F703_67.9 S5 ME5SA4**	**F703_67.9 S5 MX5SB4**	438	**F703_67.9 P160 BE160M4**	**F703_67.9 P160 BX160MB4**	439
23.5	4185	1.2	62.5	32900	**F703_62.5 S5 ME5SA4**	**F703_62.5 S5 MX5SB4**	438	**F703_62.5 P160 BE160M4**	**F703_62.5 P160 BX160MB4**	439
23.7	4158	3.4	62.1	55000				**F903_62.1 P160 BE160M4**	**F903_62.1 P160 BX160MB4**	445
23.9	4115	1.9	61.5	41100	**F803_61.5 S5 ME5SA4**	**F803_61.5 S5 MX5SB4**	441	**F803_61.5 P160 BE160M4**	**F803_61.5 P160 BX160MB4**	442
25.5	3863	1.3	57.7	32500	**F703_57.7 S5 ME5SA4**	**F703_57.7 S5 MX5SB4**	438	**F703_57.7 P160 BE160M4**	**F703_57.7 P160 BX160MB4**	439
25.9	3799	2.1	56.7	40800	**F803_56.7 S5 ME5SA4**	**F803_56.7 S5 MX5SB4**	441	**F803_56.7 P160 BE160M4**	**F803_56.7 P160 BX160MB4**	442
29.9	3288	2.4	49.1	39100				**F803_49.1 P160 BE160M4**	**F803_49.1 P160 BX160MB4**	442
30	3278	1.5	49.0	31800	**F703_49.0 S5 ME5SA4**	**F703_49.0 S5 MX5SB4**	438	**F703_49.0 P160 BE160M4**	**F703_49.0 P160 BX160MB4**	439
31	3203	0.9	47.8	20000	**F603_47.8 S5 ME5SA4**	**F603_47.8 S5 MX5SB4**	434	**F603_47.8 P160 BE160M4**	**F603_47.8 P160 BX160MB4**	435
32	3035	2.6	45.3	38900				**F803_45.3 P160 BE160M4**	**F803_45.3 P160 BX160MB4**	442
33	3026	1.7	45.2	31300	**F703_45.2 S5 ME5SA4**	**F703_45.2 S5 MX5SB4**	438	**F703_45.2 P160 BE160M4**	**F703_45.2 P160 BX160MB4**	439
35	2818	1.0	42.1	20000	**F603_42.1 S5 ME5SA4**	**F603_42.1 S5 MX5SB4**	434	**F603_42.1 P160 BE160M4**	**F603_42.1 P160 BX160MB4**	435
38	2611	3.1	39.0	36400				**F803_39.0 P160 BE160M4**	**F803_39.0 P160 BX160MB4**	442
38	2601	1.1	38.8	20000	**F603_38.8 S5 ME5SA4**	**F603_38.8 S5 MX5SB4**	434	**F603_38.8 P160 BE160M4**	**F603_38.8 P160 BX160MB4**	435
38	2571	1.9	38.4	30200				**F703_38.4 P160 BE160M4**	**F703_38.4 P160 BX160MB4**	439
41	2411	3.3	36.0	35600				**F803_36.0 P160 BE160M4**	**F803_36.0 P160 BX160MB4**	442
41	2373	2.1	35.4	29600				**F703_35.4 P160 BE160M4**	**F703_35.4 P160 BX160MB4**	439
46	2148	1.3	32.1	20000	**F603_32.1 S5 ME5SA4**	**F603_32.1 S5 MX5SB4**	434	**F603_32.1 P160 BE160M4**	**F603_32.1 P160 BX160MB4**	435
49	2009	2.5	30.0	29000				**F703_30.0 P160 BE160M4**	**F703_30.0 P160 BX160MB4**	439
50	1983	1.5	29.6	20000	**F603_29.6 S5 ME5SA4**	**F603_29.6 S5 MX5SB4**	434	**F603_29.6 P160 BE160M4**	**F603_29.6 P160 BX160MB4**	435
53	1854	2.5	27.7	28300				**F703_27.7 P160 BE160M4**	**F703_27.7 P160 BX160MB4**	439
58	1702	1.1	25.4	20000	**F603_25.4 S5 ME5SA4**	**F603_25.4 S5 MX5SB4**	434	**F603_25.4 P160 BE160M4**	**F603_25.4 P160 BX160MB4**	435
60	1644	2.4	24.6	27800	**F703_24.6 S5 ME5SA4**	**F703_24.6 S5 MX5SB4**	438	**F703_24.6 P160 BE160M4**	**F703_24.6 P160 BX160MB4**	439
62	1628	1.0	23.8	7500	**F512_23.8 S5 ME5SA4**	**F512_23.8 S5 MX5SB4**	430	**F512_23.8 P160 BE160M4**	**F512_23.8 P160 BX160MB4**	431
63	1571	1.2	23.5	20000	**F603_23.5 S5 ME5SA4**	**F603_23.5 S5 MX5SB4**	434	**F603_23.5 P160 BE160M4**	**F603_23.5 P160 BX160MB4**	435
65	1514	2.9	22.6	27300	**F703_22.6 S5 ME5SA4**	**F703_22.6 S5 MX5SB4**	438	**F703_22.6 P160 BE160M4**	**F703_22.6 P160 BX160MB4**	439
70	1397	2.9	20.9	26800	**F703_20.9 S5 ME5SA4**	**F703_20.9 S5 MX5SB4**	438	**F703_20.9 P160 BE160M4**	**F703_20.9 P160 BX160MB4**	439
71	1383	1.4	20.7	20000	**F603_20.7 S5 ME5SA4**	**F603_20.7 S5 MX5SB4**	434	**F603_20.7 P160 BE160M4**	**F603_20.7 P160 BX160MB4**	435
77	1277	1.5	19.1	20000	**F603_19.1 S5 ME5SA4**	**F603_19.1 S5 MX5SB4**	434	**F603_19.1 P160 BE160M4**	**F603_19.1 P160 BX160MB4**	435
78	1287	1.2	18.8	7490	**F512_18.8 S5 ME5SA4**	**F512_18.8 S5 MX5SB4**	430	**F512_18.8 P160 BE160M4**	**F512_18.8 P160 BX160MB4**	431
94	1050	1.8	15.7	20000	**F603_15.7 S5 ME5SA4**	**F603_15.7 S5 MX5SB4**	434	**F603_15.7 P160 BE160M4**	**F603_15.7 P160 BX160MB4**	435
102	969	2.0	14.5	20000	**F603_14.5 S5 ME5SA4**	**F603_14.5 S5 MX5SB4**	434	**F603_14.5 P160 BE160M4**	**F603_14.5 P160 BX160MB4**	435
105	956	1.5	14.0	7310	**F512_14.0 S5 ME5SA4**	**F512_14.0 S5 MX5SB4**	430	**F512_14.0 P160 BE160M4**	**F512_14.0 P160 BX160MB4**	431
115	853	2.2	12.7	19400	**F603_12.7 S5 ME5SA4**	**F603_12.7 S5 MX5SB4**	434	**F603_12.7 P160 BE160M4**	**F603_12.7 P160 BX160MB4**	435
125	787	2.4	11.8	19000	**F603_11.8 S5 ME5SA4**	**F603_11.8 S5 MX5SB4**	434	**F603_11.8 P160 BE160M4**	**F603_11.8 P160 BX160MB4**	435
132	760	1.8	11.1	7090	**F512_11.1 S5 ME5SA4**	**F512_11.1 S5 MX5SB4**	430	**F512_11.1 P160 BE160M4**	**F512_11.1 P160 BX160MB4**	431
151	650	2.9	9.7	18200	**F603_9.7 S5 ME5SA4**	**F603_9.7 S5 MX5SB4**	434	**F603_9.7 P160 BE160M4**	**F603_9.7 P160 BX160MB4**	435
162	619	1.8	9.1	6770	**F512_9.1 S5 ME5SA4**	**F512_9.1 S5 MX5SB4**	430	**F512_9.1 P160 BE160M4**	**F512_9.1 P160 BX160MB4**	431
164	600	3.2	9.0	17800	**F603_9.0 S5 ME5SA4**	**F603_9.0 S5 MX5SB4**	434	**F603_9.0 P160 BE160M4**	**F603_9.0 P160 BX160MB4**	435
204	492	2.0	7.2	6490	**F512_7.2 S5 ME5SA4**	**F512_7.2 S5 MX5SB4**	430	**F512_7.2 P160 BE160M4**	**F512_7.2 P160 BX160MB4**	431
265	377	2.9	11.1	6170	**F512_11.1 S5 ME5SA2**		430	**F512_11.1 P160 BE160MA2**		431
325	307	2.9	9.1	5840	**F512_9.1 S5 ME5SA2**		430	**F512_9.1 P160 BE160MA2**		431
409	244	3.3	7.2	5510	**F512_7.2 S5 ME5SA2**		430	**F512_7.2 P160 BE160MA2**		431

15 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
9.0	14840	0.9	162.8	55000	**F903_162.8 S5 ME5LA4**	**F903_162.8 S5 MX5LA4**	444	**F903_162.8 P160 BE160L4**	**F903_162.8 P160 BX160L4**	445
9.8	13699	1.0	150.3	55000	**F903_150.3 S5 ME5LA4**	**F903_150.3 S5 MX5LA4**	444	**F903_150.3 P160 BE160L4**	**F903_150.3 P160 BX160L4**	445
10.7	12517	1.1	137.3	55000	**F903_137.3 S5 ME5LA4**	**F903_137.3 S5 MX5LA4**	444	**F903_137.3 P160 BE160L4**	**F903_137.3 P160 BX160L4**	445
11.6	11554	1.2	126.8	55000	**F903_126.8 S5 ME5LA4**	**F903_126.8 S5 MX5LA4**	444	**F903_126.8 P160 BE160L4**	**F903_126.8 P160 BX160L4**	445
13.1	10203	1.4	111.9	55000	**F903_111.9 S5 ME5LA4**	**F903_111.9 S5 MX5LA4**	444	**F903_111.9 P160 BE160L4**	**F903_111.9 P160 BX160L4**	445
14.2	9418	1.5	103.3	55000	**F903_103.3 S5 ME5LA4**	**F903_103.3 S5 MX5LA4**	444	**F903_103.3 P160 BE160L4**	**F903_103.3 P160 BX160L4**	445
15.4	8728	1.6	95.8	55000	**F903_95.8 S5 ME5LA4**	**F903_95.8 S5 MX5LA4**	444	**F903_95.8 P160 BE160L4**	**F903_95.8 P160 BX160L4**	445
15.9	8413	1.0	92.3	41300	**F803_92.3 S5 ME5LA4**	**F803_92.3 S5 MX5LA4**	441	**F803_92.3 P160 BE160L4**	**F803_92.3 P160 BX160L4**	442
16.6	8056	1.7	88.4	55000	**F903_88.4 S5 ME5LA4**	**F903_88.4 S5 MX5LA4**	444	**F903_88.4 P160 BE160L4**	**F903_88.4 P160 BX160L4**	445
17.3	7766	1.0	85.2	40800	**F803_85.2 S5 ME5LA4**	**F803_85.2 S5 MX5LA4**	441	**F803_85.2 P160 BE160L4**	**F803_85.2 P160 BX160L4**	442
19.2	6986	2.0	76.7	55000	**F903_76.7 S5 ME5LA4**	**F903_76.7 S5 MX5LA4**	444	**F903_76.7 P160 BE160L4**	**F903_76.7 P160 BX160L4**	445
19.3	6949	1.2	76.3	40500	**F803_76.3 S5 ME5LA4**	**F803_76.3 S5 MX5LA4**	441	**F803_76.3 P160 BE160L4**	**F803_76.3 P160 BX160L4**	442
20.8	6449	2.2	70.8	55000	**F903_70.8 S5 ME5LA4**	**F903_70.8 S5 MX5LA4**	444	**F903_70.8 P160 BE160L4**	**F903_70.8 P160 BX160L4**	445

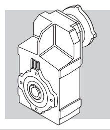


15 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IE2 (IEC)	IE3 (IEC)	
20.9	6415	1.2	70.4	39900	**F803_70.4 S5 ME5LA4**	**F803_70.4 S5 MX5LA4**	441	**F803_70.4 P160 BE160L4**	**F803_70.4 P160 BX160L4**	442
23.5	5696	0.9	62.5	31300	**F703_62.5 S5 ME5LA4**	**F703_62.5 S5 MX5LA4**	438	**F703_62.5 P160 BE160L4**	**F703_62.5 P160 BX160L4**	439
23.7	5660	2.5	62.1	55000				**F903_62.1 P160 BE160L4**	**F903_62.1 P160 BX160L4**	445
23.9	5601	1.4	61.5	38700	**F803_61.5 S5 ME5LA4**	**F803_61.5 S5 MX5LA4**	441	**F803_61.5 P160 BE160L4**	**F803_61.5 P160 BX160L4**	442
25.5	5258	1.0	57.7	29700	**F703_57.7 S5 ME5LA4**	**F703_57.7 S5 MX5LA4**	438	**F703_57.7 P160 BE160L4**	**F703_57.7 P160 BX160L4**	439
25.6	5224	2.7	57.3	55000				**F903_57.3 P160 BE160L4**	**F903_57.3 P160 BX160L4**	445
25.9	5170	1.5	56.7	38600	**F803_56.7 S5 ME5LA4**	**F803_56.7 S5 MX5LA4**	441	**F803_56.7 P160 BE160L4**	**F803_56.7 P160 BX160L4**	442
29.5	4548	3.1	49.9	54400				**F903_49.9 P160 BE160L4**	**F903_49.9 P160 BX160L4**	445
29.9	4476	1.8	49.1	37800				**F803_49.1 P160 BE160L4**	**F803_49.1 P160 BX160L4**	442
30	4462	1.1	49.0	29400	**F703_49.0 S5 ME5LA4**	**F703_49.0 S5 MX5LA4**	438	**F703_49.0 P160 BE160L4**	**F703_49.0 P160 BX160L4**	439
32	4198	3.3	46.1	53500				**F903_46.1 P160 BE160L4**	**F903_46.1 P160 BX160L4**	445
32	4131	1.9	45.3	37200				**F803_45.3 P160 BE160L4**	**F803_45.3 P160 BX160L4**	442
33	4119	1.2	45.2	29100	**F703_45.2 S5 ME5LA4**	**F703_45.2 S5 MX5LA4**	438	**F703_45.2 P160 BE160L4**	**F703_45.2 P160 BX160L4**	439
38	3554	2.3	39.0	35800				**F803_39.0 P160 BE160L4**	**F803_39.0 P160 BX160L4**	442
38	3499	1.4	38.4	28600				**F703_38.4 P160 BE160L4**	**F703_38.4 P160 BX160L4**	439
41	3281	2.4	36.0	35200				**F803_36.0 P160 BE160L4**	**F803_36.0 P160 BX160L4**	442
41	3230	1.5	35.4	28200				**F703_35.4 P160 BE160L4**	**F703_35.4 P160 BX160L4**	439
46	2924	1.0	32.1	20000	**F603_32.1 S5 ME5LA4**	**F603_32.1 S5 MX5LA4**	434	**F603_32.1 P160 BE160L4**	**F603_32.1 P160 BX160L4**	435
49	2734	1.8	30.0	27700				**F703_30.0 P160 BE160L4**	**F703_30.0 P160 BX160L4**	439
50	2699	1.1	29.6	20000	**F603_29.6 S5 ME5LA4**	**F603_29.6 S5 MX5LA4**	434	**F603_29.6 P160 BE160L4**	**F603_29.6 P160 BX160L4**	435
53	2524	1.9	27.7	27100				**F703_27.7 P160 BE160L4**	**F703_27.7 P160 BX160L4**	439
58	2299	2.7	25.2	32900	**F803_25.2 S5 ME5LA4**	**F803_25.2 S5 MX5LA4**	441	**F803_25.2 P160 BE160L4**	**F803_25.2 P160 BX160L4**	442
60	2238	1.8	24.6	26500	**F703_24.6 S5 ME5LA4**	**F703_24.6 S5 MX5LA4**	438	**F703_24.6 P160 BE160L4**	**F703_24.6 P160 BX160L4**	439
63	2138	0.9	23.5	20000	**F603_23.5 S5 ME5LA4**	**F603_23.5 S5 MX5LA4**	434	**F603_23.5 P160 BE160L4**	**F603_23.5 P160 BX160L4**	435
65	2060	2.1	22.6	26200	**F703_22.6 S5 ME5LA4**	**F703_22.6 S5 MX5LA4**	438	**F703_22.6 P160 BE160L4**	**F703_22.6 P160 BX160L4**	439
67	2008	3.3	22.0	31900	**F803_22.0 S5 ME5LA4**	**F803_22.0 S5 MX5LA4**	441	**F803_22.0 P160 BE160L4**	**F803_22.0 P160 BX160L4**	442
70	1902	2.1	20.9	25700	**F703_20.9 S5 ME5LA4**	**F703_20.9 S5 MX5LA4**	438	**F703_20.9 P160 BE160L4**	**F703_20.9 P160 BX160L4**	439
71	1883	1.0	20.7	20000	**F603_20.7 S5 ME5LA4**	**F603_20.7 S5 MX5LA4**	434	**F603_20.7 P160 BE160L4**	**F603_20.7 P160 BX160L4**	435
72	1853	3.3	20.3	31300	**F803_20.3 S5 ME5LA4**	**F803_20.3 S5 MX5LA4**	441	**F803_20.3 P160 BE160L4**	**F803_20.3 P160 BX160L4**	442
77	1738	1.1	19.1	20000	**F603_19.1 S5 ME5LA4**	**F603_19.1 S5 MX5LA4**	434	**F603_19.1 P160 BE160L4**	**F603_19.1 P160 BX160L4**	435
78	1752	0.9	18.8	6800	**F512_18.8 S5 ME5LA4**	**F512_18.8 S5 MX5LA4**	430	**F512_18.8 P160 BE160L4**	**F512_18.8 P160 BX160L4**	431
83	1614	2.7	17.7	24900	**F703_17.7 S5 ME5LA4**	**F703_17.7 S5 MX5LA4**	438	**F703_17.7 P160 BE160L4**	**F703_17.7 P160 BX160L4**	439
90	1490	2.7	16.3	24400	**F703_16.3 S5 ME5LA4**	**F703_16.3 S5 MX5LA4**	438	**F703_16.3 P160 BE160L4**	**F703_16.3 P160 BX160L4**	439
94	1429	1.3	15.7	19600	**F603_15.7 S5 ME5LA4**	**F603_15.7 S5 MX5LA4**	434	**F603_15.7 P160 BE160L4**	**F603_15.7 P160 BX160L4**	435
102	1319	1.4	14.5	19200	**F603_14.5 S5 ME5LA4**	**F603_14.5 S5 MX5LA4**	434	**F603_14.5 P160 BE160L4**	**F603_14.5 P160 BX160L4**	435
105	1301	1.1	14.0	6450	**F512_14.0 S5 ME5LA4**	**F512_14.0 S5 MX5LA4**	430	**F512_14.0 P160 BE160L4**	**F512_14.0 P160 BX160L4**	431
106	1266	3.1	13.9	23600	**F703_13.9 S5 ME5LA4**	**F703_13.9 S5 MX5LA4**	438	**F703_13.9 P160 BE160L4**	**F703_13.9 P160 BX160L4**	439
115	1168	3.1	12.8	23100	**F703_12.8 S5 ME5LA4**	**F703_12.8 S5 MX5LA4**	438	**F703_12.8 P160 BE160L4**	**F703_12.8 P160 BX160L4**	439
115	1160	1.6	12.7	18800	**F603_12.7 S5 ME5LA4**	**F603_12.7 S5 MX5LA4**	434	**F603_12.7 P160 BE160L4**	**F603_12.7 P160 BX160L4**	435
125	1071	1.8	11.8	18400	**F603_11.8 S5 ME5LA4**	**F603_11.8 S5 MX5LA4**	434	**F603_11.8 P160 BE160L4**	**F603_11.8 P160 BX160L4**	435
132	1034	1.3	11.1	6000	**F512_11.1 S5 ME5LA4**	**F512_11.1 S5 MX5LA4**	430	**F512_11.1 P160 BE160L4**	**F512_11.1 P160 BX160L4**	431
135	989	3.5	10.9	22300	**F703_10.9 S5 ME5LA4**	**F703_10.9 S5 MX5LA4**	438	**F703_10.9 P160 BE160L4**	**F703_10.9 P160 BX160L4**	439
147	913	3.5	10.0	21800	**F703_10.0 S5 ME5LA4**	**F703_10.0 S5 MX5LA4**	438	**F703_10.0 P160 BE160L4**	**F703_10.0 P160 BX160L4**	439
151	885	2.1	9.7	17700	**F603_9.7 S5 ME5LA4**	**F603_9.7 S5 MX5LA4**	434	**F603_9.7 P160 BE160L4**	**F603_9.7 P160 BX160L4**	435
162	843	1.3	9.1	5800	**F512_9.1 S5 ME5LA4**	**F512_9.1 S5 MX5LA4**	430	**F512_9.1 P160 BE160L4**	**F512_9.1 P160 BX160L4**	431
164	817	2.3	9.0	17300	**F603_9.0 S5 ME5LA4**	**F603_9.0 S5 MX5LA4**	434	**F603_9.0 P160 BE160L4**	**F603_9.0 P160 BX160L4**	435
204	670	1.5	7.2	5640	**F512_7.2 S5 ME5LA4**	**F512_7.2 S5 MX5LA4**	430	**F512_7.2 P160 BE160L4**	**F512_7.2 P160 BX160L4**	431

18.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2	IE3		IE2 (IEC)	IE3 (IEC)	
10.7	15327	0.9	137.3	55000				**F903_137.3 P180 BE180M4**	**F903_137.3 P180 BX180M4**	445
11.6	14148	1.0	126.8	55000				**F903_126.8 P180 BE180M4**	**F903_126.8 P180 BX180M4**	445
13.1	12493	1.1	111.9	55000				**F903_111.9 P180 BE180M4**	**F903_111.9 P180 BX180M4**	445
14.2	11532	1.2	103.3	55000				**F903_103.3 P180 BE180M4**	**F903_103.3 P180 BX180M4**	445
15.4	10687	1.3	95.8	55000				**F903_95.8 P180 BE180M4**	**F903_95.8 P180 BX180M4**	445
16.6	9865	1.4	88.4	55000				**F903_88.4 P180 BE180M4**	**F903_88.4 P180 BX180M4**	445
19.2	8554	1.6	76.7	55000				**F903_76.7 P180 BE180M4**	**F903_76.7 P180 BX180M4**	445
19.3	8510	0.9	76.3	38100				**F803_76.3 P180 BE180M4**	**F803_76.3 P180 BX180M4**	442
20.8	7896	1.8	70.8	55000				**F903_70.8 P180 BE180M4**	**F903_70.8 P180 BX180M4**	445

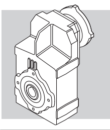


18.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IE3	
20.9	7855	1.0	70.4	37600				F803_70.4 P180 BE180M4	F803_70.4 P180 BX180M4	442
23.7	6930	2.0	62.1	55000				F903_62.1 P180 BE180M4	F903_62.1 P180 BX180M4	445
23.9	6859	1.2	61.5	37400				F803_61.5 P180 BE180M4	F803_61.5 P180 BX180M4	442
25.6	6397	2.2	57.3	55000				F903_57.3 P180 BE180M4	F903_57.3 P180 BX180M4	445
25.9	6331	1.3	56.7	36800				F803_56.7 P180 BE180M4	F803_56.7 P180 BX180M4	442
29.5	5568	2.5	49.9	55000				F903_49.9 P180 BE180M4	F903_49.9 P180 BX180M4	445
29.9	5480	1.5	49.1	35800				F803_49.1 P180 BE180M4	F803_49.1 P180 BX180M4	442
30	5464	0.9	49.0	27400				F703_49.0 P180 BE180M4	F703_49.0 P180 BX180M4	439
32	5140	2.7	46.1	55000				F903_46.1 P180 BE180M4	F903_46.1 P180 BX180M4	445
32	5059	1.6	45.3	35700				F803_45.3 P180 BE180M4	F803_45.3 P180 BX180M4	442
33	5043	1.0	45.2	27200				F703_45.2 P180 BE180M4	F703_45.2 P180 BX180M4	439
36	4520	3.1	40.5	52300				F903_40.5 P180 BE180M4	F903_40.5 P180 BX180M4	445
38	4352	1.8	39.0	35000				F803_39.0 P180 BE180M4	F803_39.0 P180 BX180M4	442
38	4285	1.2	38.4	27000				F703_38.4 P180 BE180M4	F703_38.4 P180 BX180M4	439
39	4172	3.2	37.4	51400				F903_37.4 P180 BE180M4	F903_37.4 P180 BX180M4	445
41	4018	2.0	36.0	34400				F803_36.0 P180 BE180M4	F803_36.0 P180 BX180M4	442
41	3955	1.3	35.4	26700				F703_35.4 P180 BE180M4	F703_35.4 P180 BX180M4	439
47	3488	2.3	31.3	33400				F803_31.3 P180 BE180M4	F803_31.3 P180 BX180M4	442
49	3348	1.5	30.0	26500				F703_30.0 P180 BE180M4	F703_30.0 P180 BX180M4	439
51	3219	2.5	28.8	33000				F803_28.8 P180 BE180M4	F803_28.8 P180 BX180M4	442
53	3090	1.5	27.7	26000				F703_27.7 P180 BE180M4	F703_27.7 P180 BX180M4	439
58	2815	2.2	25.2	32100				F803_25.2 P180 BE180M4	F803_25.2 P180 BX180M4	442
60	2741	1.5	24.6	25500				F703_24.6 P180 BE180M4	F703_24.6 P180 BX180M4	439
65	2523	1.7	22.6	25200				F703_22.6 P180 BE180M4	F703_22.6 P180 BX180M4	439
67	2458	2.7	22.0	31300				F803_22.0 P180 BE180M4	F803_22.0 P180 BX180M4	442
70	2329	1.7	20.9	24900				F703_20.9 P180 BE180M4	F703_20.9 P180 BX180M4	439
72	2269	2.7	20.3	30600				F803_20.3 P180 BE180M4	F803_20.3 P180 BX180M4	442
77	2128	0.9	19.1	19200				F603_19.1 P180 BE180M4	F603_19.1 P180 BX180M4	435
83	1976	2.2	17.7	24200				F703_17.7 P180 BE180M4	F703_17.7 P180 BX180M4	439
84	1964	3.4	17.6	29700				F803_17.6 P180 BE180M4	F803_17.6 P180 BX180M4	442
90	1824	2.2	16.3	23800				F703_16.3 P180 BE180M4	F703_16.3 P180 BX180M4	439
90	1813	3.4	16.2	29100				F803_16.2 P180 BE180M4	F803_16.2 P180 BX180M4	442
94	1750	1.1	15.7	18700				F603_15.7 P180 BE180M4	F603_15.7 P180 BX180M4	435
102	1615	1.2	14.5	18600				F603_14.5 P180 BE180M4	F603_14.5 P180 BX180M4	435
106	1550	2.5	13.9	23000				F703_13.9 P180 BE180M4	F703_13.9 P180 BX180M4	439
115	1430	2.5	12.8	22600				F703_12.8 P180 BE180M4	F703_12.8 P180 BX180M4	439
115	1421	1.3	12.7	18300				F603_12.7 P180 BE180M4	F603_12.7 P180 BX180M4	435
125	1312	1.4	11.8	17900				F603_11.8 P180 BE180M4	F603_11.8 P180 BX180M4	435
132	1267	1.1	11.1	5800				F512_11.1 P180 BE180M4	F512_11.1 P180 BX180M4	431
135	1211	2.8	10.9	21800				F703_10.9 P180 BE180M4	F703_10.9 P180 BX180M4	439
147	1118	2.9	10.0	21400				F703_10.0 P180 BE180M4	F703_10.0 P180 BX180M4	439
151	1083	1.8	9.7	17300				F603_9.7 P180 BE180M4	F603_9.7 P180 BX180M4	435
162	1032	1.1	9.1	5630				F512_9.1 P180 BE180M4	F512_9.1 P180 BX180M4	431
164	1000	1.9	9.0	16900				F603_9.0 P180 BE180M4	F603_9.0 P180 BX180M4	435
204	820	1.2	7.2	5400				F512_7.2 P180 BE180M4	F512_7.2 P180 BX180M4	431

22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IE3	
13.1	14888	0.9	111.9	55000				F903_111.9 P180 BE180L4	F903_111.9 P180 BX180L4	445
14.2	13743	1.0	103.3	55000				F903_103.3 P180 BE180L4	F903_103.3 P180 BX180L4	445
15.4	12735	1.1	95.8	55000				F903_95.8 P180 BE180L4	F903_95.8 P180 BX180L4	445
16.6	11755	1.2	88.4	55000				F903_88.4 P180 BE180L4	F903_88.4 P180 BX180L4	445
19.2	10194	1.4	76.7	55000				F903_76.7 P180 BE180L4	F903_76.7 P180 BX180L4	445
20.8	9410	1.5	70.8	55000				F903_70.8 P180 BE180L4	F903_70.8 P180 BX180L4	445
23.7	8259	1.7	62.1	55000				F903_62.1 P180 BE180L4	F903_62.1 P180 BX180L4	445
23.9	8173	1.0	61.5	35400				F803_61.5 P180 BE180L4	F803_61.5 P180 BX180L4	442
25.6	7623	1.8	57.3	55000				F903_57.3 P180 BE180L4	F903_57.3 P180 BX180L4	445
25.9	7545	1.1	56.7	35000				F803_56.7 P180 BE180L4	F803_56.7 P180 BX180L4	442



22 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
29.5	6636	2.1	49.9	54400				F903_49.9 P180 BE180L4	F903_49.9 P180 BX180L4	445
29.9	6531	1.2	49.1	34100				F803_49.1 P180 BE180L4	F803_49.1 P180 BX180L4	442
32	6125	2.3	46.1	53500				F903_46.1 P180 BE180L4	F903_46.1 P180 BX180L4	445
32	6028	1.3	45.3	34300				F803_45.3 P180 BE180L4	F803_45.3 P180 BX180L4	442
36	5386	2.6	40.5	52300				F903_40.5 P180 BE180L4	F903_40.5 P180 BX180L4	445
38	5187	1.5	39.0	33300				F803_39.0 P180 BE180L4	F803_39.0 P180 BX180L4	442
38	5106	1.0	38.4	25400				F703_38.4 P180 BE180L4	F703_38.4 P180 BX180L4	439
39	4972	2.7	37.4	51400				F903_37.4 P180 BE180L4	F903_37.4 P180 BX180L4	445
41	4788	1.7	36.0	33200				F803_36.0 P180 BE180L4	F803_36.0 P180 BX180L4	442
41	4713	1.1	35.4	25300				F703_35.4 P180 BE180L4	F703_35.4 P180 BX180L4	439
47	4156	1.9	31.3	32600				F803_31.3 P180 BE180L4	F803_31.3 P180 BX180L4	442
47	4122	3.2	31.0	49500				F903_31.0 P180 BE180L4	F903_31.0 P180 BX180L4	445
49	3990	1.3	30.0	25100				F703_30.0 P180 BE180L4	F703_30.0 P180 BX180L4	439
51	3836	2.1	28.8	32000				F803_28.8 P180 BE180L4	F803_28.8 P180 BX180L4	442
51	3805	3.2	28.6	48600				F903_28.6 P180 BE180L4	F903_28.6 P180 BX180L4	445
53	3683	1.3	27.7	24800				F703_27.7 P180 BE180L4	F703_27.7 P180 BX180L4	439
58	3355	1.8	25.2	31300				F803_25.2 P180 BE180L4	F803_25.2 P180 BX180L4	442
60	3266	1.2	24.6	24500				F703_24.6 P180 BE180L4	F703_24.6 P180 BX180L4	439
65	3006	1.4	22.6	24300				F703_22.6 P180 BE180L4	F703_22.6 P180 BX180L4	439
67	2929	2.3	22.0	30200				F803_22.0 P180 BE180L4	F803_22.0 P180 BX180L4	442
70	2775	1.4	20.9	24000				F703_20.9 P180 BE180L4	F703_20.9 P180 BX180L4	439
72	2704	2.3	20.3	29900				F803_20.3 P180 BE180L4	F803_20.3 P180 BX180L4	442
83	2355	1.9	17.7	23400				F703_17.7 P180 BE180L4	F703_17.7 P180 BX180L4	439
84	2341	2.9	17.6	29100				F803_17.6 P180 BE180L4	F803_17.6 P180 BX180L4	442
90	2174	1.8	16.3	23100				F703_16.3 P180 BE180L4	F703_16.3 P180 BX180L4	439
90	2161	2.9	16.2	28500				F803_16.2 P180 BE180L4	F803_16.2 P180 BX180L4	442
94	2085	0.9	15.7	18200				F603_15.7 P180 BE180L4	F603_15.7 P180 BX180L4	435
102	1925	1.0	14.5	18000				F603_14.5 P180 BE180L4	F603_14.5 P180 BX180L4	435
106	1847	2.1	13.9	22400				F703_13.9 P180 BE180L4	F703_13.9 P180 BX180L4	439
115	1705	2.1	12.8	22100				F703_12.8 P180 BE180L4	F703_12.8 P180 BX180L4	439
115	1693	1.1	12.7	17700				F603_12.7 P180 BE180L4	F603_12.7 P180 BX180L4	435
125	1563	1.2	11.8	17400				F603_11.8 P180 BE180L4	F603_11.8 P180 BX180L4	435
135	1443	2.4	10.9	21400				F703_10.9 P180 BE180L4	F703_10.9 P180 BX180L4	439
147	1332	2.4	10.0	21000				F703_10.0 P180 BE180L4	F703_10.0 P180 BX180L4	439
151	1291	1.5	9.7	16900				F603_9.7 P180 BE180L4	F603_9.7 P180 BX180L4	435
164	1192	1.6	9.0	16500				F603_9.0 P180 BE180L4	F603_9.0 P180 BX180L4	435
204	977	1.0	7.2	5250				F512_7.2 P180 BE180L4	F512_7.2 P180 BX180L4	431

30 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE...		IEC IE...	
16.6	16022	0.9	88.4	52200			F903_88.4 P200 IEC200L4	X451
19.2	13893	1.0	76.7	52400			F903_76.7 P200 IEC200L4	X451
20.8	12825	1.1	70.8	52100			F903_70.8 P200 IEC200L4	X451
23.7	11256	1.2	62.1	51800			F903_62.1 P200 IEC200L4	X451
25.6	10390	1.3	57.3	51400			F903_57.3 P200 IEC200L4	X451
29.5	9044	1.5	49.9	50800			F903_49.9 P200 IEC200L4	X451
32	8348	1.7	46.1	50200			F903_46.1 P200 IEC200L4	X451
32	8216	1.0	45.3	30900			F803_45.3 P200 IEC200L4	X448
36	7341	1.9	40.5	49400			F903_40.5 P200 IEC200L4	X451
38	7069	1.1	39.0	31000			F803_39.0 P200 IEC200L4	X448
39	6776	2.0	37.4	48700			F903_37.4 P200 IEC200L4	X451
41	6525	1.2	36.0	30600			F803_36.0 P200 IEC200L4	X448
47	5664	1.4	31.3	29900			F803_31.3 P200 IEC200L4	X448
47	5618	2.3	31.0	47300			F903_31.0 P200 IEC200L4	X451

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.

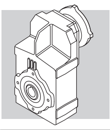
30 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
49	5438	0.9	30.0	22300			F703_30.0 P200 IEC200L4	X445
51	5229	1.5	28.8	29500			F803_28.8 P200 IEC200L4	X448
51	5186	2.3	28.6	46600			F903_28.6 P200 IEC200L4	X451
53	5019	0.9	27.7	22200			F703_27.7 P200 IEC200L4	X445
58	4601	2.6	25.4	45500			F903_25.4 P200 IEC200L4	X451
58	4572	1.2	25.2	29500			F803_25.2 P200 IEC200L4	X448
66	4039	3.0	22.3	44400			F903_22.3 P200 IEC200L4	X451
67	3992	1.7	22.0	29000			F803_22.0 P200 IEC200L4	X448
71	3728	3.0	20.6	43600			F903_20.6 P200 IEC200L4	X451
72	3685	1.7	20.3	28500			F803_20.3 P200 IEC200L4	X448
83	3209	1.4	17.7	21800			F703_17.7 P200 IEC200L4	X445
84	3190	2.1	17.6	27900			F803_17.6 P200 IEC200L4	X448
90	2963	1.4	16.3	21500			F703_16.3 P200 IEC200L4	X445
90	2945	2.1	16.2	27400			F803_16.2 P200 IEC200L4	X448
105	2534	2.7	14.0	26700			F803_14.0 P200 IEC200L4	X448
106	2517	1.5	13.9	21100			F703_13.9 P200 IEC200L4	X445
114	2339	2.7	12.9	26200			F803_12.9 P200 IEC200L4	X448
115	2323	1.5	12.8	20900			F703_12.8 P200 IEC200L4	X445
135	1967	1.8	10.9	20300			F703_10.9 P200 IEC200L4	X445
142	1874	3.0	10.3	24900			F803_10.3 P200 IEC200L4	X448
147	1815	1.8	10.0	20000			F703_10.0 P200 IEC200L4	X445

37 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
20.9	15710	0.9	70.8	47600			F903_70.8 P225 IEC225S4	X451
25.8	12728	1.1	57.3	47700			F903_57.3 P225 IEC225S4	X451
29.7	11079	1.3	49.9	47600			F903_49.9 P225 IEC225S4	X451
32	10227	1.4	46.1	47200			F903_46.1 P225 IEC225S4	X451
37	8993	1.6	40.5	46800			F903_40.5 P225 IEC225S4	X451
38	8659	0.9	39.0	28500			F803_39.0 P225 IEC225S4	X448
40	8301	1.6	37.4	46300			F903_37.4 P225 IEC225S4	X451
41	7993	1.0	36.0	28300			F803_36.0 P225 IEC225S4	X448
47	6939	1.2	31.3	28400			F803_31.3 P225 IEC225S4	X448
48	6882	1.9	31.0	45300			F903_31.0 P225 IEC225S4	X451
51	6405	1.2	28.8	28100			F803_28.8 P225 IEC225S4	X448
52	6353	1.9	28.6	44700			F903_28.6 P225 IEC225S4	X451
58	5637	2.1	25.4	43900			F903_25.4 P225 IEC225S4	X451
59	5601	1.1	25.2	27800			F803_25.2 P225 IEC225S4	X448
66	4947	2.4	22.3	43000			F903_22.3 P225 IEC225S4	X451
67	4891	1.1	22.0	27600			F803_22.0 P225 IEC225S4	X448
72	4567	2.5	20.6	42300			F903_20.6 P225 IEC225S4	X451
73	4515	1.1	20.3	27200			F803_20.3 P225 IEC225S4	X448
83	3975	2.8	17.9	41200			F903_17.9 P225 IEC225S4	X451
84	3908	1.7	17.6	26800			F803_17.6 P225 IEC225S4	X448
90	3669	2.8	16.5	40500			F903_16.5 P225 IEC225S4	X451
91	3607	1.7	16.2	26300			F803_16.2 P225 IEC225S4	X448
102	3226	3.1	14.5	39500			F903_14.5 P225 IEC225S4	X451
106	3104	2.2	14.0	25800			F803_14.0 P225 IEC225S4	X448
110	2978	3.1	13.4	38700			F903_13.4 P225 IEC225S4	X451
115	2865	2.2	12.9	25300			F803_12.9 P225 IEC225S4	X448
132	2487	2.4	11.2	24500			F803_11.2 P225 IEC225S4	X448
143	2296	2.4	10.3	24300			F803_10.3 P225 IEC225S4	X448

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.



45 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
32	12438	1.1	46.1	43900			**F903_46.1 P225 IEC225M4**	X451
37	10937	1.3	40.5	43900			**F903_40.5 P225 IEC225M4**	X451
40	10096	1.3	37.4	43600			**F903_37.4 P225 IEC225M4**	X451
47	8439	0.9	31.3	26100			**F803_31.3 P225 IEC225M4**	X448
48	8370	1.6	31.0	43100			**F903_31.0 P225 IEC225M4**	X451
51	7790	1.0	28.8	26000			**F803_28.8 P225 IEC225M4**	X448
52	7726	1.6	28.6	42600			**F903_28.6 P225 IEC225M4**	X451
58	6855	1.8	25.4	42000			**F903_25.4 P225 IEC225M4**	X451
66	6017	2.0	22.3	41400			**F903_22.3 P225 IEC225M4**	X451
67	5948	1.1	22.0	26000			**F803_22.0 P225 IEC225M4**	X448
72	5554	2.0	20.6	40800			**F903_20.6 P225 IEC225M4**	X451
73	5491	1.1	20.3	25700			**F803_20.3 P225 IEC225M4**	X448
83	4834	2.3	17.9	39900			**F903_17.9 P225 IEC225M4**	X451
84	4753	1.4	17.6	25500			**F803_17.6 P225 IEC225M4**	X448
90	4463	2.3	16.5	39300			**F903_16.5 P225 IEC225M4**	X451
91	4387	1.4	16.2	25200			**F803_16.2 P225 IEC225M4**	X448
102	3924	2.5	14.5	38400			**F903_14.5 P225 IEC225M4**	X451
106	3775	1.8	14.0	24800			**F803_14.0 P225 IEC225M4**	X448
110	3622	2.6	13.4	37800			**F903_13.4 P225 IEC225M4**	X451
115	3484	1.8	12.9	24100			**F803_12.9 P225 IEC225M4**	X448
132	3025	1.5	11.2	24000			**F803_11.2 P225 IEC225M4**	X448
133	3003	2.9	11.1	36400			**F903_11.1 P225 IEC225M4**	X451
143	2792	2.0	10.3	23500			**F803_10.3 P225 IEC225M4**	X448

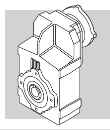
55 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE...		IEC IE...	
32	15202	0.9	46.1	39700			**F903_46.1 P250 IEC250M4**	X451
37	13367	1.0	40.5	40300			**F903_40.5 P250 IEC250M4**	X451
40	12339	1.1	37.4	40200			**F903_37.4 P250 IEC250M4**	X451
48	10230	1.3	31.0	40300			**F903_31.0 P250 IEC250M4**	X451
52	9443	1.3	28.6	40100			**F903_28.6 P250 IEC250M4**	X451
58	8379	1.4	25.4	39700			**F903_25.4 P250 IEC250M4**	X451
66	7354	1.6	22.3	39400			**F903_22.3 P250 IEC250M4**	X451
72	6788	1.7	20.6	38900			**F903_20.6 P250 IEC250M4**	X451
83	5909	1.9	17.9	38300			**F903_17.9 P250 IEC250M4**	X451
90	5454	1.9	16.5	37800			**F903_16.5 P250 IEC250M4**	X451
102	4796	2.1	14.5	37100			**F903_14.5 P250 IEC250M4**	X451
110	4427	2.1	13.4	36600			**F903_13.4 P250 IEC250M4**	X451
133	3671	2.4	11.1	35400			**F903_11.1 P250 IEC250M4**	X451
144	3388	2.4	10.3	34800			**F903_10.3 P250 IEC250M4**	X451

I dati tecnici riportati sono da considerarsi indicativi, le configurazioni dovrebbero trovare riscontro presso i produttori dei motori elettrici per le potenze superiori ai 22 kW.

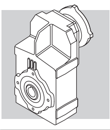
F 10 140 Nm

	i	n_1 = 2800 min-1					n_1 = 1400 min-1					
		n_2 min-1	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min-1	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 10 2_7.4	7.4	378	63	2.6	1000	1290	189	76	1.6	1290	1640	
F 10 2_8.6	8.6	326	67	2.4	980	1350	163	82	1.5	1260	1710	
F 10 2_9.8	9.8	287	73	2.3	980	1410	143	89	1.4	1250	1780	
F 10 2_11.5	11.5	243	78	2.1	950	1480	121	96	1.3	1220	1870	
F 10 2_13.0	13.0	215	85	2.0	940	1530	107	104	1.2	1210	1940	
F 10 2_14.6	14.6	191	94	2.0	1120	1590	96	119	1.3	1300	2000	
F 10 2_17.0	17.0	165	104	1.9	1090	1650	82	128	1.2	1300	2090	
F 10 2_19.3	19.3	145	108	1.7	1100	1730	72	136	1.1	1300	2180	
F 10 2_22.8	22.8	123	119	1.6	1080	1810	61	140	0.95	1300	2310	
F 10 2_25.8	25.8	109	123	1.5	1090	1890	54	140	0.84	1300	2430	
F 10 2_29.6	29.6	94	132	1.4	1060	1970	47	140	0.73	1300	2560	
F 10 2_33.0	33.0	85	137	1.3	1070	2040	42	140	0.65	1300	2670	411
F 10 2_35.3	35.3	79	140	1.2	1060	2090	40	140	0.61	1300	2740	
F 10 2_39.6	39.6	71	140	1.1	1080	2190	35	140	0.54	1300	2800	
F 10 2_44.7	44.7	63	140	0.97	1080	2290	31	140	0.48	1300	2800	
F 10 2_48.7	48.7	57	140	0.89	1090	2370	28.7	140	0.44	1300	2800	
F 10 2_56.7	56.7	49	140	0.76	1100	2520	24.7	140	0.38	1300	2800	
F 10 2_63.0	63.0	44	140	0.69	1110	2620	22.2	140	0.34	1300	2800	
F 10 2_71.1	71.1	39	140	0.61	1000	2750	19.7	140	0.30	1300	2800	
F 10 2_81.3	81.3	34	140	0.53	1110	2800	17.2	140	0.27	1300	2800	
F 10 2_91.5	91.5	31	140	0.47	1110	2800	15.3	140	0.24	1300	2800	
F 10 2_106.0	106.0	26.4	140	0.41	1120	2800	13.2	140	0.20	1300	2800	
F 10 2_127.1	127.1	22.0	140	0.34	1130	2800	11.0	140	0.17	1300	2800	



F 10 140 Nm

	i	n_1 = 900 min⁻¹					n_1 = 500 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 10 2_7.4	7.4	122	91	1.2	1300	1890	68	111	0.83	1300	2300	
F 10 2_8.6	8.6	105	94	1.1	1300	1970	58	112	0.72	1300	2430	
F 10 2_9.8	9.8	92	107	1.1	1300	2050	51	130	0.73	1300	2490	
F 10 2_11.5	11.5	78	110	0.95	1300	2180	43	131	0.63	1300	2660	
F 10 2_13.0	13.0	69	124	0.94	1300	2240	38	140	0.59	1300	2800	
F 10 2_14.6	14.6	61	138	0.93	1300	2320	34	140	0.53	1300	2800	
F 10 2_17.0	17.0	53	140	0.82	1300	2450	29.5	140	0.46	1300	2800	
F 10 2_19.3	19.3	47	140	0.72	1300	2580	25.9	140	0.40	1300	2800	
F 10 2_22.8	22.8	39	140	0.61	1300	2750	21.9	140	0.34	1300	2800	
F 10 2_25.8	25.8	35	140	0.54	1300	2800	19.4	140	0.30	1300	2800	
F 10 2_29.6	29.6	30	140	0.47	1300	2800	16.9	140	0.26	1300	2800	
F 10 2_33.0	33.0	27.3	140	0.42	1300	2800	15.2	140	0.23	1300	2800	411
F 10 2_35.3	35.3	25.5	140	0.39	1300	2800	14.1	140	0.22	1300	2800	
F 10 2_39.6	39.6	22.7	140	0.35	1300	2800	12.6	140	0.19	1300	2800	
F 10 2_44.7	44.7	20.1	140	0.31	1300	2800	11.2	140	0.17	1300	2800	
F 10 2_48.7	48.7	18.5	140	0.29	1300	2800	10.3	140	0.16	1300	2800	
F 10 2_56.7	56.7	15.9	140	0.24	1300	2800	8.8	140	0.14	1300	2800	
F 10 2_63.0	63.0	14.3	140	0.22	1300	2800	7.9	140	0.12	1300	2800	
F 10 2_71.1	71.1	12.7	140	0.20	1300	2800	7.0	140	0.11	1300	2800	
F 10 2_81.3	81.3	11.1	140	0.17	1300	2800	6.1	140	0.09	1300	2800	
F 10 2_91.5	91.5	9.8	140	0.15	1300	2800	5.5	140	0.08	1300	2800	
F 10 2_106.0	106.0	8.5	140	0.13	1300	2800	4.7	140	0.07	1300	2800	
F 10 2_127.1	127.1	7.1	140	0.11	1300	2800	3.9	140	0.06	1300	2800	



F 20 — 250 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 20 2_6.4	6.4	437	103	5.0	—	1370	218	130	3.1	—	1720	
F 20 2_7.8	7.8	357	115	4.5	—	1440	179	144	2.8	—	1820	
F 20 2_8.7	8.7	321	123	4.3	—	1490	160	155	2.7	—	1870	
F 20 2_10.0	10.0	279	131	4.0	—	1550	140	165	2.5	—	1950	
F 20 2_11.2	11.2	249	141	3.9	—	1590	125	177	2.4	—	2010	
F 20 2_14.8	14.8	189	166	3.5	760	1740	95	203	2.1	1010	2210	
F 20 2_18.1	18.1	155	175	3.0	750	1870	77	213	1.8	1020	2380	
F 20 2_20.2	20.2	139	182	2.8	810	1940	69	223	1.7	1070	2460	
F 20 2_23.1	23.1	121	190	2.5	770	2030	60	235	1.6	1000	2570	
F 20 2_25.9	25.9	108	196	2.3	830	2110	54	240	1.4	1100	2680	
F 20 2_30.4	30.4	92	205	2.1	780	2230	46	250	1.3	1050	2840	
F 20 2_33.1	33.1	85	210	2.0	800	2300	42	250	1.2	1120	2940	
F 20 2_37.9	37.9	74	220	1.8	740	2400	37	250	1.0	1130	3110	
F 20 2_41.8	41.8	67	225	1.7	780	2490	33	250	0.92	1220	3240	
F 20 2_44.8	44.8	62	235	1.6	690	2540	31	250	0.86	1200	3330	
F 20 2_50.7	50.7	55	238	1.4	780	2660	27.6	250	0.76	1320	3500	
F 20 2_56.7	56.7	49	250	1.4	730	2750	24.7	250	0.68	1360	3660	
F 20 2_61.9	61.9	45	250	1.2	750	2860	22.6	250	0.62	1370	3790	
F 20 2_69.1	69.1	40	250	1.1	760	2990	20.2	250	0.56	1370	3950	415
F 20 2_76.8	76.8	36	250	1.0	780	3130	18.2	250	0.50	1380	4000	
F 20 2_90.4	90.4	31	250	0.85	830	3340	15.5	250	0.43	1390	4000	
F 20 2_101.6	101.6	27.5	250	0.76	830	3500	13.8	250	0.38	1390	4000	
F 20 2_114.3	114.3	24.5	250	0.67	850	3670	12.2	250	0.34	1400	4000	
F 20 2_132.2	132.2	21.2	250	0.58	870	3890	10.6	250	0.29	1400	4000	
F 20 3_156.3	156.3	17.9	250	0.50	1170	4000	9.0	250	0.25	1300	4000	
F 20 3_172.6	172.6	16.2	250	0.46	1200	4000	8.1	250	0.23	1300	4000	
F 20 3_184.9	184.9	15.1	250	0.43	1210	4000	7.6	250	0.21	1300	4000	
F 20 3_209.3	209.3	13.4	250	0.38	1240	4000	6.7	250	0.19	1300	4000	
F 20 3_234.0	234.0	12.0	250	0.34	1270	4000	6.0	250	0.17	1300	4000	
F 20 3_255.3	255.3	11.0	250	0.31	1280	4000	5.5	250	0.15	1300	4000	
F 20 3_285.2	285.2	9.8	250	0.28	1300	4000	4.9	250	0.14	1300	4000	
F 20 3_316.9	316.9	8.8	250	0.25	1300	4000	4.4	250	0.12	1300	4000	
F 20 3_372.9	372.9	7.5	250	0.21	1300	4000	3.8	250	0.11	1300	4000	
F 20 3_419.3	419.3	6.7	250	0.19	1300	4000	3.3	250	0.09	1300	4000	
F 20 3_471.7	471.7	5.9	250	0.17	1300	4000	3.0	250	0.08	1300	4000	
F 20 3_545.3	545.3	5.1	250	0.14	1300	4000	2.6	250	0.07	1300	4000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)

F 20 — 250 Nm

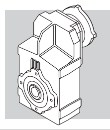
	i	n1 = 900 min-1					n1 = 500 min-1					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min-1	Nm	kW	N	N	min-1	Nm	kW	N	N	
F 20 2_6.4	6.4	140	150	2.3	—	1990	218	183	4.4	—	2420	
F 20 2_7.8	7.8	115	167	2.1	—	2110	64	189	1.3	—	2610	
F 20 2_8.7	8.7	103	180	2.0	—	2170	57	219	1.4	—	2640	
F 20 2_10.0	10.0	90	191	1.9	—	2260	50	221	1.2	—	2790	
F 20 2_11.2	11.2	80	205	1.8	—	2330	45	250	1.2	—	2830	
F 20 2_14.8	14.8	61	232	1.6	1210	2570	34	250	0.93	1790	3230	
F 20 2_18.1	18.1	50	250	1.4	1150	2740	27.7	250	0.76	1910	3500	
F 20 2_20.2	20.2	45	250	1.2	1320	2870	24.8	250	0.68	1960	3650	
F 20 2_23.1	23.1	39	250	1.1	1350	3040	21.6	250	0.60	1970	3860	
F 20 2_25.9	25.9	35	250	0.96	1500	3190	19.3	250	0.53	2010	4000	
F 20 2_30.4	30.4	29.6	250	0.82	1530	3400	16.5	250	0.45	2020	4000	
F 20 2_33.1	33.1	27.2	250	0.75	1580	3520	15.1	250	0.42	2040	4000	
F 20 2_37.9	37.9	23.8	250	0.65	1590	3720	13.2	250	0.36	2040	4000	
F 20 2_41.8	41.8	21.5	250	0.59	1610	3870	12.0	250	0.33	2070	4000	
F 20 2_44.8	44.8	20.1	250	0.55	1610	3970	11.2	250	0.31	2060	4000	
F 20 2_50.7	50.7	17.7	250	0.49	1640	4000	9.9	250	0.27	2090	4000	
F 20 2_56.7	56.7	15.9	250	0.44	1650	4000	8.8	250	0.24	2110	4000	
F 20 2_61.9	61.9	14.5	250	0.40	1660	4000	8.1	250	0.22	2110	4000	
F 20 2_69.1	69.1	13.0	250	0.36	1660	4000	7.2	250	0.20	2110	4000	415
F 20 2_76.8	76.8	11.7	250	0.32	1670	4000	6.5	250	0.18	2120	4000	
F 20 2_90.4	90.4	10.0	250	0.27	1680	4000	5.5	250	0.15	2130	4000	
F 20 2_101.6	101.6	8.9	250	0.24	1680	4000	4.9	250	0.14	2130	4000	
F 20 2_114.3	114.3	7.9	250	0.22	1690	4000	4.4	250	0.12	2140	4000	
F 20 2_132.2	132.2	6.8	250	0.19	1690	4000	3.8	250	0.10	2150	4000	
F 20 3_156.3	156.3	5.8	250	0.16	1300	4000	3.2	250	0.09	1300	4000	
F 20 3_172.6	172.6	5.2	250	0.15	1300	4000	2.9	250	0.08	1300	4000	
F 20 3_184.9	184.9	4.9	250	0.14	1300	4000	2.7	250	0.08	1300	4000	
F 20 3_209.3	209.3	4.3	250	0.12	1300	4000	2.4	250	0.07	1300	4000	
F 20 3_234.0	234.0	3.8	250	0.11	1300	4000	2.1	250	0.06	1300	4000	
F 20 3_255.3	255.3	3.5	250	0.10	1300	4000	2.0	250	0.06	1300	4000	
F 20 3_285.2	285.2	3.2	250	0.09	1300	4000	1.8	250	0.05	1300	4000	
F 20 3_316.9	316.9	2.8	250	0.08	1300	4000	1.6	250	0.04	1300	4000	
F 20 3_372.9	372.9	2.4	250	0.07	1300	4000	1.3	250	0.04	1300	4000	
F 20 3_419.3	419.3	2.1	250	0.06	1300	4000	1.2	250	0.03	1300	4000	
F 20 3_471.7	471.7	1.9	250	0.05	1300	4000	1.1	250	0.03	1300	4000	
F 20 3_545.3	545.3	1.7	250	0.05	1300	4000	0.92	250	0.03	1300	4000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)

F 25 400 Nm

	i	n_1 = 2800 min-1					n_1 = 1400 min-1					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min-1	Nm	kW	N	N	min-1	Nm	kW	N	N	
F 25 2_6.9	6.9	408	155	7.0	—	1840	204	195	4.4	—	2320	
F 25 2_8.4	8.4	334	170	6.3	—	1950	167	215	4.0	—	2450	
F 25 2_9.4	9.4	299	180	5.9	—	2010	150	225	3.7	—	2540	
F 25 2_10.6	10.6	264	240	7.0	—	1850	132	305	4.4	—	2320	
F 25 2_13.0	13.0	216	255	6.1	—	1990	108	320	3.8	—	2510	
F 25 2_14.5	14.5	194	260	5.5	—	2080	97	330	3.5	—	2610	
F 25 2_16.6	16.6	168	270	5.0	—	2190	84	340	3.2	—	2760	
F 25 2_18.6	18.6	150	280	4.6	—	2270	75	350	2.9	—	2870	
F 25 2_21.8	21.8	128	280	4.0	—	2460	64	355	2.5	250	3090	
F 25 2_23.8	23.8	118	285	3.7	250	2540	59	360	2.3	300	3200	
F 25 2_27.2	27.2	103	290	3.3	250	2690	51	365	2.1	320	3400	
F 25 2_30.0	30.0	93	295	3.0	310	2800	47	370	1.9	410	3540	
F 25 2_32.2	32.2	87	295	2.8	310	2900	44	370	1.8	410	3660	
F 25 2_36.4	36.4	77	295	2.5	460	3070	38	370	1.6	600	3880	
F 25 2_40.7	40.7	69	295	2.2	560	3230	34	370	1.4	720	4080	
F 25 2_44.4	44.4	63	295	2.0	720	3360	32	370	1.3	720	4250	
F 25 3_45.6	45.6	61	340	2.4	1440	3100	31	400	1.4	1830	4030	
F 25 3_50.8	50.8	55	350	2.2	1450	3230	27.6	400	1.2	1850	4250	
F 25 3_58.3	58.3	48	365	2.0	1450	3390	24.0	400	1.1	1860	4530	
F 25 3_65.3	65.3	43	375	1.8	1450	3530	21.4	400	0.97	1870	4780	
F 25 3_76.6	76.6	37	395	1.6	1450	3730	18.3	400	0.82	1880	5140	
F 25 3_83.4	83.4	34	400	1.5	1450	3860	16.8	400	0.76	1880	5330	
F 25 3_95.5	95.5	29.3	400	1.3	1460	4130	14.7	400	0.66	1890	5660	
F 25 3_105.4	105.4	26.6	400	1.2	1470	4320	13.3	400	0.60	1890	5910	419
F 25 3_113.0	113.0	24.8	400	1.1	1470	4470	12.4	400	0.56	1890	6090	
F 25 3_127.8	127.8	21.9	400	0.99	1480	4730	11.0	400	0.49	1900	6430	
F 25 3_143.0	143.0	19.6	400	0.88	1480	4980	9.8	400	0.44	1910	6500	
F 25 3_155.9	155.9	18.0	400	0.81	1480	5180	9.0	400	0.40	1910	6500	
F 25 3_174.2	174.2	16.1	400	0.72	1490	5440	8.0	400	0.36	1910	6500	
F 25 3_193.6	193.6	14.5	400	0.65	1490	5700	7.2	400	0.33	1910	6500	
F 25 3_227.8	227.8	12.3	400	0.55	1490	6120	6.1	400	0.28	1920	6500	
F 25 3_256.1	256.1	10.9	400	0.49	1490	6430	5.5	400	0.25	1920	6500	
F 25 3_288.1	288.1	9.7	400	0.44	1490	6500	4.9	400	0.22	1920	6500	
F 25 3_333.1	333.1	8.4	400	0.38	1500	6500	4.2	400	0.19	1930	6500	
F 25 4_393.9	393.9	7.1	400	0.33	1270	6500	3.6	400	0.17	1300	6500	
F 25 4_434.9	434.9	6.4	400	0.30	1290	6500	3.2	400	0.15	1300	6500	
F 25 4_466.0	466.0	6.0	400	0.28	1300	6500	3.0	400	0.14	1300	6500	
F 25 4_527.3	527.3	5.3	400	0.25	1300	6500	2.7	400	0.12	1300	6500	
F 25 4_589.7	589.7	4.7	400	0.22	1300	6500	2.4	400	0.11	1300	6500	
F 25 4_643.3	643.3	4.4	400	0.20	1300	6500	2.2	400	0.10	1300	6500	
F 25 4_718.7	718.7	3.9	400	0.18	1300	6500	1.9	400	0.09	1300	6500	
F 25 4_798.5	798.5	3.5	400	0.16	1300	6500	1.8	400	0.08	1300	6500	
F 25 4_939.8	939.8	3.0	400	0.14	1300	6500	1.5	400	0.07	1300	6500	
F 25 4_1057	1057	2.7	400	0.12	1300	6500	1.3	400	0.06	1300	6500	
F 25 4_1189	1189	2.4	400	0.11	1300	6500	1.2	400	0.05	1300	6500	
F 25 4_1374	1374	2.0	400	0.09	1300	6500	1.0	400	0.05	1300	6500	

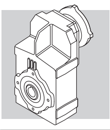
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



F 25 — 400 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 25 2_6.9	6.9	131	225	3.2	—	2690	73	255	2.0	370	3350	419
F 25 2_8.4	8.4	107	250	3.0	—	2840	60	260	1.7	590	3630	
F 25 2_9.4	9.4	96	260	2.8	—	2940	53	265	1.6	820	3780	
F 25 2_10.6	10.6	85	355	3.3	—	2680	47	395	2.0	360	3420	
F 25 2_13.0	13.0	69	370	2.8	—	2910	39	400	1.7	620	3750	
F 25 2_14.5	14.5	62	380	2.6	—	3030	35	400	1.5	940	3950	
F 25 2_16.6	16.6	54	395	2.4	—	3190	30	400	1.3	1070	4210	
F 25 2_18.6	18.6	48	400	2.1	300	3350	26.9	400	1.2	1330	4440	
F 25 2_21.8	21.8	41	400	1.8	420	3630	22.9	400	1.0	1450	4770	
F 25 2_23.8	23.8	38	400	1.7	530	3780	21.0	400	0.93	1560	4950	
F 25 2_27.2	27.2	33	400	1.5	610	4030	18.4	400	0.81	1640	5260	
F 25 2_30.0	30.0	30	400	1.3	760	4220	16.6	400	0.73	1790	5490	
F 25 2_32.2	32.2	28.0	400	1.2	760	4360	15.5	400	0.69	1790	5660	
F 25 2_36.4	36.4	24.7	400	1.1	970	4610	13.7	400	0.61	2000	5970	
F 25 2_40.7	40.7	22.1	375	0.91	1330	4950	12.3	375	0.51	2000	6360	
F 25 2_44.4	44.4	20.3	385	0.86	1230	5100	11.3	385	0.48	2000	6500	
F 25 3_45.6	45.6	19.8	400	0.89	2160	4960	11.0	400	0.49	2200	6420	
F 25 3_50.8	50.8	17.7	400	0.80	2180	5210	9.8	400	0.44	2200	6500	
F 25 3_58.3	58.3	15.4	400	0.69	2190	5540	8.6	400	0.39	2200	6500	
F 25 3_65.3	65.3	13.8	400	0.62	2200	5820	7.7	400	0.34	2200	6500	
F 25 3_76.6	76.6	11.8	400	0.53	2200	6240	6.5	400	0.29	2200	6500	
F 25 3_83.4	83.4	10.8	400	0.49	2200	6470	6.0	400	0.27	2200	6500	
F 25 3_95.5	95.5	9.4	400	0.42	2200	6500	5.2	400	0.24	2200	6500	
F 25 3_105.4	105.4	8.5	400	0.38	2200	6500	4.7	400	0.21	2200	6500	
F 25 3_113.0	113.0	8.0	400	0.36	2200	6500	4.4	400	0.20	2200	6500	
F 25 3_127.8	127.8	7.0	400	0.32	2200	6500	3.9	400	0.18	2200	6500	
F 25 3_143.0	143.0	6.3	400	0.28	2200	6500	3.5	400	0.16	2200	6500	
F 25 3_155.9	155.9	5.8	400	0.26	2200	6500	3.2	400	0.14	2200	6500	
F 25 3_174.2	174.2	5.2	400	0.23	2200	6500	2.9	400	0.13	2200	6500	
F 25 3_193.6	193.6	4.6	400	0.21	2200	6500	2.6	400	0.12	2200	6500	
F 25 3_227.8	227.8	4.0	400	0.18	2200	6500	2.2	400	0.10	2200	6500	
F 25 3_256.1	256.1	3.5	400	0.16	2200	6500	2.0	400	0.09	2200	6500	
F 25 3_288.1	288.1	3.1	400	0.14	2200	6500	1.7	400	0.08	2200	6500	
F 25 3_333.1	333.1	2.7	400	0.12	2200	6500	1.5	400	0.07	2200	6500	
F 25 4_393.9	393.9	2.3	400	0.11	1300	6500	1.3	400	0.06	1300	6500	
F 25 4_434.9	434.9	2.1	400	0.10	1300	6500	1.1	400	0.05	1300	6500	
F 25 4_466.0	466.0	1.9	400	0.09	1300	6500	1.1	400	0.05	1300	6500	
F 25 4_527.3	527.3	1.7	400	0.08	1300	6500	0.95	400	0.04	1300	6500	
F 25 4_589.7	589.7	1.5	400	0.07	1300	6500	0.85	400	0.04	1300	6500	
F 25 4_643.3	643.3	1.4	400	0.07	1300	6500	0.78	400	0.04	1300	6500	
F 25 4_718.7	718.7	1.3	400	0.06	1300	6500	0.70	400	0.03	1300	6500	
F 25 4_798.5	798.5	1.1	400	0.05	1300	6500	0.63	400	0.03	1300	6500	
F 25 4_939.8	939.8	0.96	400	0.04	1300	6500	0.53	400	0.02	1300	6500	
F 25 4_1057	1057	0.85	400	0.04	1300	6500	0.47	400	0.02	1300	6500	
F 25 4_1189	1189	0.76	400	0.04	1300	6500	0.42	400	0.02	1300	6500	
F 25 4_1374	1374	0.65	400	0.03	1300	6500	0.36	400	0.02	1300	6500	

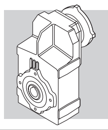
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



F 31 600 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 31 2_6.9	6.9	403	295	13.1	—	2710	201	360	8.0	—	3460	
F 31 2_8.2	8.2	340	310	11.6	—	2880	170	375	7.0	—	3690	
F 31 2_9.0	9.0	311	310	10.6	—	3000	155	385	6.6	390	3810	
F 31 2_10.7	10.7	261	450	12.9	—	2790	130	525	7.5	500	3670	
F 31 2_12.7	12.7	220	475	11.5	—	2950	110	555	6.7	490	3880	
F 31 2_13.9	13.9	201	475	10.5	290	3100	100	570	6.3	650	4010	
F 31 2_16.8	16.8	167	475	8.7	510	3410	83	595	5.5	680	4310	
F 31 2_18.5	18.5	151	475	7.9	730	3580	76	600	5.0	910	4510	
F 31 2_21.1	21.1	133	475	6.9	830	3830	66	600	4.4	1030	4820	
F 31 2_23.4	23.4	120	475	6.3	1020	4020	60	600	4.0	1270	5060	
F 31 2_27.3	27.3	103	475	5.4	1100	4330	51	600	3.4	1380	5450	
F 31 2_30.1	30.1	93	475	4.9	1270	4540	46	600	3.1	1590	5710	
F 31 2_34.4	34.4	81	475	4.3	1330	4820	41	600	2.7	1660	6070	
F 31 2_37.7	37.7	74	475	3.9	1430	5030	37	600	2.5	1800	6330	
F 31 2_40.4	40.4	69	475	3.6	1440	5190	35	600	2.3	1800	6500	
F 31 2_44.6	44.6	63	475	3.3	1540	5430	31	600	2.1	1930	6500	
F 31 3_47.5	47.5	59	475	3.1	2110	5490	29.4	580	1.9	2200	6500	
F 31 3_52.1	52.1	54	485	2.9	2120	5680	26.9	600	1.8	2200	6500	
F 31 3_62.8	62.8	45	515	2.6	2120	6040	22.3	600	1.5	2200	6500	
F 31 3_69.1	69.1	41	530	2.4	2130	6250	20.3	600	1.4	2200	6500	
F 31 3_78.9	78.9	36	550	2.2	2120	6500	17.8	600	1.2	2200	6500	
F 31 3_87.4	87.4	32	570	2.1	2130	6500	16.0	600	1.1	2200	6500	
F 31 3_101.9	101.9	27.5	595	1.8	2130	6500	13.7	600	0.93	2200	6500	
F 31 3_112.5	112.5	24.9	600	1.7	2130	6500	12.4	600	0.84	2200	6500	
F 31 3_128.4	128.4	21.8	600	1.5	2140	6500	10.9	600	0.74	2200	6500	423
F 31 3_140.7	140.7	19.9	600	1.3	2140	6500	9.9	600	0.67	2200	6500	
F 31 3_150.8	150.8	18.6	600	1.3	2140	6500	9.3	600	0.63	2200	6500	
F 31 3_166.8	166.8	16.8	600	1.1	2150	6500	8.4	600	0.57	2200	6500	
F 31 3_185.4	185.4	15.1	600	1.0	2160	6500	7.5	600	0.51	2200	6500	
F 31 3_202.3	202.3	13.8	600	0.94	2160	6500	6.9	600	0.47	2200	6500	
F 31 3_228.2	228.2	12.3	600	0.83	2160	6500	6.1	600	0.41	2200	6500	
F 31 3_253.6	253.6	11.0	600	0.75	2160	6500	5.5	600	0.37	2200	6500	
F 31 3_293.8	293.8	9.5	600	0.64	2170	6500	4.8	600	0.32	2200	6500	
F 31 3_332.8	332.8	8.4	600	0.57	2170	6500	4.2	600	0.28	2200	6500	
F 31 3_374.4	374.4	7.5	600	0.51	2170	6500	3.7	600	0.25	2200	6500	
F 31 4_418.9	418.9	6.7	600	0.47	1230	6500	3.3	600	0.23	1300	6500	
F 31 4_462.6	462.6	6.1	600	0.42	1250	6500	3.0	600	0.21	1300	6500	
F 31 4_527.8	527.8	5.3	600	0.37	1270	6500	2.7	600	0.19	1300	6500	
F 31 4_578.6	578.6	4.8	600	0.34	1290	6500	2.4	600	0.17	1300	6500	
F 31 4_619.9	619.9	4.5	600	0.32	1300	6500	2.3	600	0.16	1300	6500	
F 31 4_685.6	685.6	4.1	600	0.29	1300	6500	2.0	600	0.14	1300	6500	
F 31 4_762.3	762.3	3.7	600	0.26	1300	6500	1.8	600	0.13	1300	6500	
F 31 4_831.6	831.6	3.4	600	0.24	1300	6500	1.7	600	0.12	1300	6500	
F 31 4_938.2	938.2	3.0	600	0.21	1300	6500	1.5	600	0.10	1300	6500	
F 31 4_1042	1042	2.7	600	0.19	1300	6500	1.3	600	0.09	1300	6500	
F 31 4_1208	1208	2.3	600	0.16	1300	6500	1.2	600	0.08	1300	6500	
F 31 4_1368	1368	2.0	600	0.14	1300	6500	1.0	600	0.07	1300	6500	
F 31 4_1539	1539	1.8	600	0.13	1300	6500	0.91	600	0.06	1300	6500	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



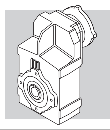
F 31 600 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 31 2_6.9	6.9	130	390	5.6	640	4120	72	390	3.1	2200	5350	
F 31 2_8.2	8.2	109	390	4.7	990	4450	61	390	2.6	2200	5760	
F 31 2_9.0	9.0	100	390	4.3	1320	4640	55	390	2.4	2200	5980	
F 31 2_10.7	10.7	84	600	5.5	670	4280	47	600	3.1	2200	5710	
F 31 2_12.7	12.7	71	600	4.7	1020	4670	39	600	2.6	2200	6170	
F 31 2_13.9	13.9	65	600	4.3	1350	4880	36	600	2.4	2200	6440	
F 31 2_16.8	16.8	54	600	3.5	1640	5340	29.8	600	2.0	2200	6500	
F 31 2_18.5	18.5	49	600	3.2	1915	5580	27.0	600	1.8	2200	6500	
F 31 2_21.1	21.1	43	600	2.8	2040	5950	23.7	600	1.6	2200	6500	
F 31 2_23.4	23.4	38	600	2.5	2200	6230	21.4	600	1.4	2200	6500	
F 31 2_27.3	27.3	33	600	2.2	2200	6500	18.3	600	1.2	2200	6500	
F 31 2_30.1	30.1	29.9	600	2.0	2200	6500	16.6	600	1.1	2200	6500	
F 31 2_34.4	34.4	26.2	600	1.7	2200	6500	14.6	600	0.96	2200	6500	
F 31 2_37.7	37.7	23.9	600	1.6	2200	6500	13.3	600	0.88	2200	6500	
F 31 2_40.4	40.4	22.3	600	1.5	2200	6500	12.4	600	0.82	2200	6500	
F 31 2_44.6	44.6	20.2	600	1.3	2200	6500	11.2	600	0.74	2200	6500	
F 31 3_47.5	47.5	18.9	600	1.3	2200	6500	10.5	600	0.71	2200	6500	
F 31 3_52.1	52.1	17.3	600	1.2	2200	6500	9.6	600	0.65	2200	6500	
F 31 3_62.8	62.8	14.3	600	0.97	2200	6500	8.0	600	0.54	2200	6500	
F 31 3_69.1	69.1	13.0	600	0.88	2200	6500	7.2	600	0.49	2200	6500	
F 31 3_78.9	78.9	11.4	600	0.77	2200	6500	6.3	600	0.43	2200	6500	
F 31 3_87.4	87.4	10.3	600	0.70	2200	6500	5.7	600	0.39	2200	6500	
F 31 3_101.9	101.9	8.8	600	0.60	2200	6500	4.9	600	0.33	2200	6500	
F 31 3_112.5	112.5	8.0	600	0.54	2200	6500	4.4	600	0.30	2200	6500	
F 31 3_128.4	128.4	7.0	600	0.47	2200	6500	3.9	600	0.26	2200	6500	423
F 31 3_140.7	140.7	6.4	600	0.43	2200	6500	3.6	600	0.24	2200	6500	
F 31 3_150.8	150.8	6.0	600	0.40	2200	6500	3.3	600	0.22	2200	6500	
F 31 3_166.8	166.8	5.4	600	0.36	2200	6500	3.0	600	0.20	2200	6500	
F 31 3_185.4	185.4	4.9	600	0.33	2200	6500	2.7	600	0.18	2200	6500	
F 31 3_202.3	202.3	4.4	600	0.30	2200	6500	2.5	600	0.17	2200	6500	
F 31 3_228.2	228.2	3.9	600	0.27	2200	6500	2.2	600	0.15	2200	6500	
F 31 3_253.6	253.6	3.5	600	0.24	2200	6500	2.0	600	0.13	2200	6500	
F 31 3_293.8	293.8	3.1	600	0.21	2200	6500	1.7	600	0.11	2200	6500	
F 31 3_332.8	332.8	2.7	600	0.18	2200	6500	1.5	600	0.10	2200	6500	
F 31 3_374.4	374.4	2.4	600	0.16	2200	6500	1.3	600	0.09	2200	6500	
F 31 4_418.9	418.9	2.1	600	0.15	1300	6500	1.2	600	0.08	1300	6500	
F 31 4_462.6	462.6	1.9	600	0.14	1300	6500	1.1	600	0.08	1300	6500	
F 31 4_527.8	527.8	1.7	600	0.12	1300	6500	0.95	600	0.07	1300	6500	
F 31 4_578.6	578.6	1.6	600	0.11	1300	6500	0.86	600	0.06	1300	6500	
F 31 4_619.9	619.9	1.5	600	0.10	1300	6500	0.81	600	0.06	1300	6500	
F 31 4_685.6	685.6	1.3	600	0.09	1300	6500	0.73	600	0.05	1300	6500	
F 31 4_762.3	762.3	1.2	600	0.08	1300	6500	0.66	600	0.05	1300	6500	
F 31 4_831.6	831.6	1.1	600	0.08	1300	6500	0.60	600	0.04	1300	6500	
F 31 4_938.2	938.2	0.96	600	0.07	1300	6500	0.53	600	0.04	1300	6500	
F 31 4_1042	1042	0.86	600	0.06	1300	6500	0.48	600	0.03	1300	6500	
F 31 4_1208	1208	0.75	600	0.05	1300	6500	0.41	600	0.03	1300	6500	
F 31 4_1368	1368	0.66	600	0.05	1300	6500	0.37	600	0.03	1300	6500	
F 31 4_1539	1539	0.58	600	0.04	1300	6500	0.32	600	0.02	1300	6500	

F 41 1100 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 41 2_6.7	6.7	416	460	21	—	3410	208	580	13.3	—	4290	
F 41 2_9.1	9.1	306	515	17.4	—	3750	153	650	11.0	—	4730	
F 41 2_10.8	10.8	260	715	21	—	3310	130	900	12.9	—	4170	
F 41 2_14.6	14.6	191	805	17.0	—	3620	96	1015	10.7	—	4560	
F 41 2_17.1	17.1	164	835	15.1	—	3860	82	1055	9.5	—	4850	
F 41 2_18.9	18.9	148	860	14.0	410	4000	74	1085	8.9	500	5030	
F 41 2_24.1	24.1	116	875	11.2	650	4540	58	1100	7.0	840	5730	
F 41 2_30.1	30.1	93	875	9.0	980	5130	46	1100	5.6	1260	6470	
F 41 2_38.2	38.2	73	875	7.1	1260	5810	37	1100	4.4	1600	7330	
F 41 2_47.9	47.9	58	850	5.5	1680	6600	29.2	1070	3.4	2120	8320	
F 41 3_51.5	51.5	54	880	5.4	3030	6750	27.2	1085	3.3	3500	8500	
F 41 3_60.2	60.2	46	930	4.9	3030	7100	23.2	1100	2.9	3500	8500	
F 41 3_66.5	66.5	42	980	4.6	3030	7280	21.1	1100	2.6	3500	8500	
F 41 3_84.9	84.9	33	1065	4.0	3030	7890	16.5	1100	2.0	3500	8500	
F 41 3_106.0	106.0	26.4	1100	3.3	3040	8500	13.2	1100	1.6	3500	8500	
F 41 3_134.4	134.4	20.8	1100	2.6	3050	8500	10.4	1100	1.3	3500	8500	
F 41 3_168.7	168.7	16.6	1100	2.1	3070	8500	8.3	1100	1.0	3500	8500	
F 41 3_180.7	180.7	15.5	1100	1.9	3070	8500	7.7	1100	0.96	3500	8500	427
F 41 3_198.9	198.9	14.1	1100	1.7	3080	8500	7.0	1100	0.87	3500	8500	
F 41 3_220.1	220.1	12.7	1100	1.6	3090	8500	6.4	1100	0.79	3500	8500	
F 41 3_240.1	240.1	11.7	1100	1.4	3090	8500	5.8	1100	0.72	3500	8500	
F 41 3_266.9	266.9	10.5	1100	1.3	3090	8500	5.2	1100	0.65	3500	8500	
F 41 3_296.6	296.6	9.4	1100	1.2	3090	8500	4.7	1100	0.58	3500	8500	
F 41 3_344.8	344.8	8.1	1100	1.0	3100	8500	4.1	1100	0.50	3500	8500	
F 41 4_433.7	433.7	6.5	1100	0.83	1480	8500	3.2	1100	0.41	1910	8500	
F 41 4_549.8	549.8	5.1	1100	0.65	1520	8500	2.5	1100	0.33	1940	8500	
F 41 4_690.1	690.1	4.1	1100	0.52	1540	8500	2.0	1100	0.26	1970	8500	
F 41 4_739.4	739.4	3.8	1100	0.48	1550	8500	1.9	1100	0.24	1980	8500	
F 41 4_813.8	813.8	3.4	1100	0.44	1560	8500	1.7	1100	0.22	1990	8500	
F 41 4_900.5	900.5	3.1	1100	0.40	1570	8500	1.6	1100	0.20	2000	8500	
F 41 4_982.4	982.4	2.9	1100	0.36	1570	8500	1.4	1100	0.18	2000	8500	
F 41 4_1092	1092	2.6	1100	0.33	1580	8500	1.3	1100	0.16	2010	8500	
F 41 4_1213	1213	2.3	1100	0.30	1590	8500	1.2	1100	0.15	2020	8500	
F 41 4_1411	1411	2.0	1100	0.25	1600	8500	1.0	1100	0.13	2020	8500	

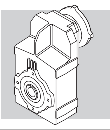
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



F 41 1100 Nm

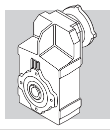
	i	n_1 = 900 min⁻¹					n_1 = 500 min⁻¹					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 41 2_6.7	6.7	134	670	9.9	—	4980	74	700	5.7	1760	6450	427
F 41 2_9.1	9.1	99	700	7.6	680	5660	55	700	4.2	2850	7410	
F 41 2_10.8	10.8	84	1025	9.4	480	4900	46	1100	5.6	1950	6480	
F 41 2_14.6	14.6	62	1100	7.5	860	5550	34	1100	4.1	3030	7590	
F 41 2_17.1	17.1	53	1100	6.4	1230	6060	29.2	1100	3.5	3400	8210	
F 41 2_18.9	18.9	48	1100	5.8	1760	6390	26.5	1100	3.2	3500	8500	
F 41 2_24.1	24.1	37	1100	4.5	2210	7260	20.7	1100	2.5	3500	8500	
F 41 2_30.1	30.1	29.9	1100	3.6	2630	8120	16.6	1100	2.0	3500	8500	
F 41 2_38.2	38.2	23.6	1100	2.9	2970	8500	13.1	1100	1.6	3500	8500	
F 41 2_47.9	47.9	18.8	1070	2.2	3490	8500	10.4	1070	1.2	3500	8500	
F 41 3_51.5	51.5	17.5	1100	2.2	3500	8500	9.7	1100	1.2	3500	8500	
F 41 3_60.2	60.2	14.9	1100	1.9	3500	8500	8.3	1100	1.0	3500	8500	
F 41 3_66.5	66.5	13.5	1100	1.7	3500	8500	7.5	1100	0.93	3500	8500	
F 41 3_84.9	84.9	10.6	1100	1.3	3500	8500	5.9	1100	0.73	3500	8500	
F 41 3_106.0	106.0	8.5	1100	1.1	3500	8500	4.7	1100	0.58	3500	8500	
F 41 3_134.4	134.4	6.7	1100	0.83	3500	8500	3.7	1100	0.46	3500	8500	
F 41 3_168.7	168.7	5.3	1100	0.66	3500	8500	3.0	1100	0.37	3500	8500	
F 41 3_180.7	180.7	5.0	1100	0.62	3500	8500	2.8	1100	0.34	3500	8500	
F 41 3_198.9	198.9	4.5	1100	0.56	3500	8500	2.5	1100	0.31	3500	8500	
F 41 3_220.1	220.1	4.1	1100	0.51	3500	8500	2.3	1100	0.28	3500	8500	
F 41 3_240.1	240.1	3.7	1100	0.46	3500	8500	2.1	1100	0.26	3500	8500	
F 41 3_266.9	266.9	3.4	1100	0.42	3500	8500	1.9	1100	0.23	3500	8500	
F 41 3_296.6	296.6	3.0	1100	0.38	3500	8500	1.7	1100	0.21	3500	8500	
F 41 3_344.8	344.8	2.6	1100	0.32	3500	8500	1.5	1100	0.18	3500	8500	
F 41 4_433.7	433.7	2.1	1100	0.27	2200	8500	1.2	1100	0.15	2200	8500	
F 41 4_549.8	549.8	1.6	1100	0.21	2200	8500	0.91	1100	0.12	2200	8500	
F 41 4_690.1	690.1	1.3	1100	0.17	2200	8500	0.72	1100	0.09	2200	8500	
F 41 4_739.4	739.4	1.2	1100	0.16	2200	8500	0.68	1100	0.09	2200	8500	
F 41 4_813.8	813.8	1.1	1100	0.14	2200	8500	0.61	1100	0.08	2200	8500	
F 41 4_900.5	900.5	1.0	1100	0.13	2200	8500	0.56	1100	0.07	2200	8500	
F 41 4_982.4	982.4	0.92	1100	0.12	2200	8500	0.51	1100	0.07	2200	8500	
F 41 4_1092	1092	0.82	1100	0.11	2200	8500	0.46	1100	0.06	2200	8500	
F 41 4_1213	1213	0.74	1100	0.09	2200	8500	0.41	1100	0.05	2200	8500	
F 41 4_1411	1411	0.64	1100	0.08	2200	8500	0.35	1100	0.05	2200	8500	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)

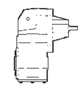


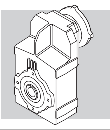
F 51 — 1800 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 51 2_7.2	7.2	389	775	33	990	4170	195	975	21	1440	5260	
F 51 2_9.1	9.1	309	875	30	890	4400	155	1100	18.8	1320	5550	
F 51 2_11.1	11.1	252	1055	29	1460	4530	126	1330	18.5	2010	5700	
F 51 2_14.0	14.0	200	1125	25	1580	4920	100	1420	15.7	2150	6200	
F 51 2_18.8	18.8	149	1225	20	1660	5480	74	1545	12.7	2240	6900	
F 51 2_23.8	23.8	118	1310	17.0	1710	5960	59	1650	10.7	2290	7520	
F 51 2_30.0	30.0	93	1350	13.9	1760	6610	47	1700	8.7	2330	8340	
F 51 2_37.1	37.1	75	1350	11.2	1910	7350	38	1700	7.1	2410	9260	
F 51 3_48.9	48.9	57	1505	9.7	2600	7800	28.6	1800	5.8	3310	10100	
F 51 3_65.8	65.8	43	1650	7.9	2610	8640	21.3	1800	4.3	3380	11600	
F 51 3_83.2	83.2	34	1770	6.7	2630	9380	16.8	1800	3.4	3440	12000	
F 51 3_105.1	105.1	26.6	1800	5.4	2650	10400	13.3	1800	2.7	3460	12000	
F 51 3_129.9	129.9	21.6	1800	4.4	2670	11600	10.8	1800	2.2	3490	12000	
F 51 3_165.6	165.6	16.9	1800	3.4	2700	12000	8.5	1800	1.7	3500	12000	
F 51 3_202.4	202.4	13.8	1800	2.8	2710	12000	6.9	1800	1.4	3500	12000	
F 51 3_216.9	216.9	12.9	1800	2.6	2710	12000	6.5	1800	1.3	3500	12000	431
F 51 3_239.8	239.8	11.7	1800	2.4	2730	12000	5.8	1800	1.2	3500	12000	
F 51 3_262.1	262.1	10.7	1800	2.2	2730	12000	5.3	1800	1.1	3500	12000	
F 51 3_285.9	285.9	9.8	1800	2.0	2730	12000	4.9	1800	0.99	3500	12000	
F 51 3_317.3	317.3	8.8	1800	1.8	2740	12000	4.4	1800	0.89	3500	12000	
F 51 3_352.5	352.5	7.9	1800	1.6	2740	12000	4.0	1800	0.80	3500	12000	
F 51 4_429.1	429.1	6.5	1800	1.4	1930	12000	3.3	1800	0.68	2200	12000	
F 51 4_530.5	530.5	5.3	1800	1.1	1970	12000	2.6	1800	0.55	2200	12000	
F 51 4_676.3	676.3	4.1	1800	0.87	2020	12000	2.1	1800	0.43	2200	12000	
F 51 4_826.4	826.4	3.4	1800	0.71	2040	12000	1.7	1800	0.35	2200	12000	
F 51 4_885.5	885.5	3.2	1800	0.66	2050	12000	1.6	1800	0.33	2200	12000	
F 51 4_979.4	979.4	2.9	1800	0.60	2060	12000	1.4	1800	0.30	2200	12000	
F 51 4_1070	1070	2.6	1800	0.55	2070	12000	1.3	1800	0.27	2200	12000	
F 51 4_1168	1168	2.4	1800	0.50	2080	12000	1.2	1800	0.25	2200	12000	
F 51 4_1296	1296	2.2	1800	0.45	2090	12000	1.1	1800	0.23	2200	12000	
F 51 4_1439	1439	1.9	1800	0.41	2100	12000	1.0	1800	0.20	2200	12000	



F 51 1800 Nm

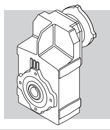
	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 51 2_7.2	7.2	125	1100	15.2	1940	6170	70	1100	8.4	3190	8140	
F 51 2_9.1	9.1	99	1100	12.1	2450	6900	55	1100	6.7	3440	9030	
F 51 2_11.1	11.1	81	1520	13.6	2450	6660	45	1700	8.4	3190	8480	
F 51 2_14.0	14.0	64	1620	11.5	2550	7250	36	1700	6.7	3440	9500	
F 51 2_18.8	18.8	48	1700	9.0	2690	8230	26.6	1700	5.0	3500	10900	
F 51 2_23.8	23.8	38	1700	7.1	2870	9250	21.0	1700	3.9	3500	12000	
F 51 2_30.0	30.0	30	1700	5.6	2960	10300	16.6	1700	3.1	3500	12000	
F 51 2_37.1	37.1	24.2	1700	4.5	3040	11400	13.5	1700	2.5	3500	12000	
F 51 3_48.9	48.9	18.4	1800	3.7	3500	12000	10.2	1800	2.1	3500	12000	
F 51 3_65.8	65.8	13.7	1800	2.8	3500	12000	7.6	1800	1.5	3500	12000	
F 51 3_83.2	83.2	10.8	1800	2.2	3500	12000	6.0	1800	1.2	3500	12000	
F 51 3_105.1	105.1	8.6	1800	1.7	3500	12000	4.8	1800	0.96	3500	12000	
F 51 3_129.9	129.9	6.9	1800	1.4	3500	12000	3.8	1800	0.78	3500	12000	
F 51 3_165.6	165.6	5.4	1800	1.1	3500	12000	3.0	1800	0.61	3500	12000	
F 51 3_202.4	202.4	4.4	1800	0.90	3500	12000	2.5	1800	0.50	3500	12000	
F 51 3_216.9	216.9	4.2	1800	0.84	3500	12000	2.3	1800	0.47	3500	12000	431
F 51 3_239.8	239.8	3.8	1800	0.76	3500	12000	2.1	1800	0.42	3500	12000	
F 51 3_262.1	262.1	3.4	1800	0.70	3500	12000	1.9	1800	0.39	3500	12000	
F 51 3_285.9	285.9	3.1	1800	0.64	3500	12000	1.7	1800	0.35	3500	12000	
F 51 3_317.3	317.3	2.8	1800	0.57	3500	12000	1.6	1800	0.32	3500	12000	
F 51 3_352.5	352.5	2.6	1800	0.52	3500	12000	1.4	1800	0.29	3500	12000	
F 51 4_429.1	429.1	2.1	1800	0.44	2200	12000	1.2	1800	0.24	2200	12000	
F 51 4_530.5	530.5	1.7	1800	0.36	2200	12000	0.94	1800	0.20	2200	12000	
F 51 4_676.3	676.3	1.3	1800	0.28	2200	12000	0.74	1800	0.15	2200	12000	
F 51 4_826.4	826.4	1.1	1800	0.23	2200	12000	0.61	1800	0.13	2200	12000	
F 51 4_885.5	885.5	1.0	1800	0.21	2200	12000	0.56	1800	0.12	2200	12000	
F 51 4_979.4	979.4	0.92	1800	0.19	2200	12000	0.51	1800	0.11	2200	12000	
F 51 4_1070	1070	0.84	1800	0.18	2200	12000	0.47	1800	0.10	2200	12000	
F 51 4_1168	1168	0.77	1800	0.16	2200	12000	0.43	1800	0.09	2200	12000	
F 51 4_1296	1296	0.69	1800	0.15	2200	12000	0.39	1800	0.08	2200	12000	
F 51 4_1439	1439	0.63	1800	0.13	2200	12000	0.35	1800	0.07	2200	12000	



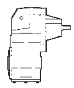
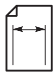
F 60 2900 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 60 3_9.0	9.0	311	920	32	—	13300	156	1160	20	—	16500	
F 60 3_9.7	9.7	289	1000	33	—	13600	144	1250	20	—	16700	
F 60 3_11.8	11.8	237	1030	28	—	14600	119	1300	17.4	—	17800	
F 60 3_12.7	12.7	220	1110	28	—	14700	110	1400	17.4	—	18000	
F 60 3_14.5	14.5	193	1110	24	—	15500	97	1400	15.3	—	19000	
F 60 3_15.7	15.7	178	1200	24	—	15600	89	1500	15.1	—	19200	
F 60 3_19.1	19.1	147	1200	19.9	—	16800	73	1500	12.4	—	20000	
F 60 3_20.7	20.7	135	1300	19.9	—	17000	68	1640	12.5	—	20000	
F 60 3_23.5	23.5	119	1260	17.0	—	17900	60	1590	10.7	—	20000	
F 60 3_25.4	25.4	110	1370	17.1	—	18100	55	1720	10.7	—	20000	
F 60 3_29.6	29.6	95	2750	29	820	15900	47	2900	15.5	2630	20000	
F 60 3_32.1	32.1	87	2800	28	1290	16200	44	2900	14.3	3260	20000	
F 60 3_38.8	38.8	72	2900	24	1260	17500	36	2900	11.8	3480	20000	
F 60 3_42.1	42.1	67	2900	22	1820	17900	33	2900	10.9	3720	20000	
F 60 3_47.8	47.8	59	2900	19.2	1770	19100	29.3	2900	9.6	3730	20000	
F 60 3_51.8	51.8	54	2900	17.7	2290	19500	27.0	2900	8.9	3830	20000	
F 60 3_63.0	63.0	44	2900	14.6	2310	20000	22.2	2900	7.3	3850	20000	
F 60 3_68.3	68.3	41	2900	13.4	2790	20000	20.5	2900	6.7	3940	20000	
F 60 3_77.6	77.6	36	2900	11.8	2620	20000	18.0	2900	5.9	3920	20000	
F 60 3_84.0	84.0	33	2900	10.9	2960	20000	16.7	2900	5.5	4010	20000	
F 60 3_98.2	98.2	28.5	2900	9.3	2910	20000	14.3	2900	4.7	3980	20000	
F 60 3_106.4	106.4	26.3	2900	8.6	3020	20000	13.2	2900	4.3	4070	20000	
F 60 3_120.5	120.5	23.2	2900	7.6	2970	20000	11.6	2900	3.8	4030	20000	
F 60 3_130.5	130.5	21.5	2900	7.0	3060	20000	10.7	2900	3.5	4110	20000	435
F 60 3_150.4	150.4	18.6	2900	6.1	3010	20000	9.3	2900	3.0	4060	20000	
F 60 3_162.9	162.9	17.2	2900	5.6	3090	20000	8.6	2900	2.8	4140	20000	
F 60 3_185.9	185.9	15.1	2900	4.9	3050	20000	7.5	2900	2.5	4100	20000	
F 60 3_201.4	201.4	13.9	2900	4.6	3130	20000	7.0	2900	2.3	4180	20000	
F 60 3_217.6	217.6	12.9	2900	4.2	3070	20000	6.4	2900	2.1	4120	20000	
F 60 3_235.8	235.8	11.9	2900	3.9	3140	20000	5.9	2900	1.9	4190	20000	
F 60 3_259.1	259.1	10.8	2900	3.5	3080	20000	5.4	2900	1.8	4130	20000	
F 60 3_280.7	280.7	10.0	2900	3.3	3150	20000	5.0	2900	1.6	4200	20000	
F 60 4_315.4	315.4	8.9	2900	3.0	3500	20000	4.4	2900	1.5	3500	20000	
F 60 4_341.7	341.7	8.2	2900	2.8	3500	20000	4.1	2900	1.4	3500	20000	
F 60 4_399.3	399.3	7.0	2900	2.4	3500	20000	3.5	2900	1.2	3500	20000	
F 60 4_432.6	432.6	6.5	2900	2.2	3500	20000	3.2	2900	1.1	3500	20000	
F 60 4_489.8	489.8	5.7	2900	1.9	3500	20000	2.9	2900	0.96	3500	20000	
F 60 4_530.7	530.7	5.3	2900	1.8	3500	20000	2.6	2900	0.89	3500	20000	
F 60 4_611.4	611.4	4.6	2900	1.5	3500	20000	2.3	2900	0.77	3500	20000	
F 60 4_662.4	662.4	4.2	2900	1.4	3500	20000	2.1	2900	0.71	3500	20000	
F 60 4_756.0	756.0	3.7	2900	1.2	3500	20000	1.9	2900	0.62	3500	20000	
F 60 4_819.0	819.0	3.4	2900	1.1	3500	20000	1.7	2900	0.57	3500	20000	
F 60 4_885.1	885.1	3.2	2900	1.1	3500	20000	1.6	2900	0.53	3500	20000	
F 60 4_958.9	958.9	2.9	2900	0.98	3500	20000	1.5	2900	0.49	3500	20000	
F 60 4_1054	1054	2.7	2900	0.89	3500	20000	1.3	2900	0.45	3500	20000	
F 60 4_1141	1141	2.5	2900	0.83	3500	20000	1.2	2900	0.41	3500	20000	

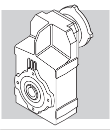
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



F 60 — 2900 Nm

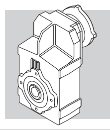
	i	n_1 = 900 min⁻¹					n_1 = 500 min⁻¹					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 60 3_9.0	9.0	100	1340	15.1	—	18800	56	1630	10.2	—	20000	
F 60 3_9.7	9.7	93	1460	15.3	—	19000	52	1780	10.4	—	20000	
F 60 3_11.8	11.8	76	1500	12.9	—	20000	42	1830	8.8	—	20000	
F 60 3_12.7	12.7	71	1620	13.0	—	20000	39	1900	8.4	600	20000	
F 60 3_14.5	14.5	62	1620	11.4	—	20000	34	1900	7.4	490	20000	
F 60 3_15.7	15.7	57	1750	11.3	—	20000	32	1900	6.8	1630	20000	
F 60 3_19.1	19.1	47	1750	9.3	—	20000	26.2	1900	5.6	1660	20000	
F 60 3_20.7	20.7	43	1900	9.3	—	20000	24.2	1900	5.2	2700	20000	
F 60 3_23.5	23.5	38	1840	8.0	—	20000	21.3	1900	4.6	2340	20000	
F 60 3_25.4	25.4	35	1900	7.6	620	20000	19.7	1900	4.2	3330	20000	
F 60 3_29.6	29.6	30	2900	10.0	4220	20000	16.9	2900	5.5	4700	20000	
F 60 3_32.1	32.1	28.0	2900	9.2	4350	20000	15.6	2900	5.1	4700	20000	
F 60 3_38.8	38.8	23.2	2900	7.6	4420	20000	12.9	2900	4.2	4700	20000	
F 60 3_42.1	42.1	21.4	2900	7.0	4530	20000	11.9	2900	3.9	4700	20000	
F 60 3_47.8	47.8	18.8	2900	6.2	4530	20000	10.5	2900	3.4	4700	20000	
F 60 3_51.8	51.8	17.4	2900	5.7	4640	20000	9.7	2900	3.2	4700	20000	
F 60 3_63.0	63.0	14.3	2900	4.7	4660	20000	7.9	2900	2.6	4700	20000	
F 60 3_68.3	68.3	13.2	2900	4.3	4700	20000	7.3	2900	2.4	4700	20000	
F 60 3_77.6	77.6	11.6	2900	3.8	4700	20000	6.4	2900	2.1	4700	20000	
F 60 3_84.0	84.0	10.7	2900	3.5	4700	20000	6.0	2900	1.9	4700	20000	
F 60 3_98.2	98.2	9.2	2900	3.0	4700	20000	5.1	2900	1.7	4700	20000	
F 60 3_106.4	106.4	8.5	2900	2.8	4700	20000	4.7	2900	1.5	4700	20000	
F 60 3_120.5	120.5	7.5	2900	2.4	4700	20000	4.1	2900	1.4	4700	20000	
F 60 3_130.5	130.5	6.9	2900	2.3	4700	20000	3.8	2900	1.3	4700	20000	435
F 60 3_150.4	150.4	6.0	2900	2.0	4700	20000	3.3	2900	1.1	4700	20000	
F 60 3_162.9	162.9	5.5	2900	1.8	4700	20000	3.1	2900	1.0	4700	20000	
F 60 3_185.9	185.9	4.8	2900	1.6	4700	20000	2.7	2900	0.88	4700	20000	
F 60 3_201.4	201.4	4.5	2900	1.5	4700	20000	2.5	2900	0.81	4700	20000	
F 60 3_217.6	217.6	4.1	2900	1.4	4700	20000	2.3	2900	0.75	4700	20000	
F 60 3_235.8	235.8	3.8	2900	1.3	4700	20000	2.1	2900	0.69	4700	20000	
F 60 3_259.1	259.1	3.5	2900	1.1	4700	20000	1.9	2900	0.63	4700	20000	
F 60 3_280.7	280.7	3.2	2900	1.1	4700	20000	1.8	2900	0.58	4700	20000	
F 60 4_315.4	315.4	2.9	2900	0.96	3500	20000	1.6	2900	0.53	3500	20000	
F 60 4_341.7	341.7	2.6	2900	0.89	3500	20000	1.5	2900	0.49	3500	20000	
F 60 4_399.3	399.3	2.3	2900	0.76	3500	20000	1.3	2900	0.42	3500	20000	
F 60 4_432.6	432.6	2.1	2900	0.70	3500	20000	1.2	2900	0.39	3500	20000	
F 60 4_489.8	489.8	1.8	2900	0.62	3500	20000	1.0	2900	0.34	3500	20000	
F 60 4_530.7	530.7	1.7	2900	0.57	3500	20000	0.94	2900	0.32	3500	20000	
F 60 4_611.4	611.4	1.5	2900	0.50	3500	20000	0.82	2900	0.28	3500	20000	
F 60 4_662.4	662.4	1.4	2900	0.46	3500	20000	0.75	2900	0.25	3500	20000	
F 60 4_756.0	756.0	1.2	2900	0.40	3500	20000	0.66	2900	0.22	3500	20000	
F 60 4_819.0	819.0	1.1	2900	0.37	3500	20000	0.61	2900	0.21	3500	20000	
F 60 4_885.1	885.1	1.0	2900	0.34	3500	20000	0.56	2900	0.19	3500	20000	
F 60 4_958.9	958.9	0.94	2900	0.32	3500	20000	0.52	2900	0.18	3500	20000	
F 60 4_1054	1054	0.85	2900	0.29	3500	20000	0.47	2900	0.16	3500	20000	
F 60 4_1141	1141	0.79	2900	0.27	3500	20000	0.44	2900	0.15	3500	20000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



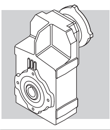
F 70 5000 Nm

	i	n_1 = 2800 min⁻¹					n_1 = 1400 min⁻¹					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 70 3_10.0	10.0	280	2600	82	1410	14800	140	3200	51	1750	18200	439
F 70 3_10.9	10.9	257	2800	81	1510	14700	128	3450	50	1840	18100	
F 70 3_12.8	12.8	219	2900	72	860	15700	109	3600	44	880	19300	
F 70 3_13.9	13.9	201	3150	72	810	15600	101	3900	44	880	19100	
F 70 3_16.3	16.3	172	3250	63	570	16600	86	4000	39	710	20500	
F 70 3_17.7	17.7	158	3550	63	430	16400	79	4350	39	630	20200	
F 70 3_20.9	20.9	134	3450	52	690	18000	67	4000	30	2090	22700	
F 70 3_22.6	22.6	124	3750	52	640	17800	62	4350	30	2010	22500	
F 70 3_24.6	24.6	114	3550	46	560	19000	57	4000	26	2510	24200	
F 70 3_27.7	27.7	101	3750	43	5070	19600	51	4650	27	6410	24100	
F 70 3_30.0	30.0	93	4050	43	5080	19400	47	5000	26	6420	23900	
F 70 3_35.4	35.4	79	4150	37	5070	20900	40	5000	22	6440	25900	
F 70 3_38.4	38.4	73	4500	37	5060	20700	36	5000	21	6540	26500	
F 70 3_45.2	45.2	62	4600	32	5080	22200	31	5000	17.5	6590	28700	
F 70 3_49.0	49.0	57	4600	30	5170	22700	28.6	5000	16.1	6680	29300	
F 70 3_57.7	57.7	49	5000	27	5090	23800	24.3	5000	13.7	6680	31600	
F 70 3_62.5	62.5	45	5000	25	5170	24300	22.4	5000	12.7	6760	32300	
F 70 3_67.9	67.9	41	5000	23	5110	25500	20.6	5000	11.6	6710	33600	
F 70 3_73.6	73.6	38	5000	21	5190	26100	19.0	5000	10.7	6790	34400	
F 70 3_85.4	85.4	33	5000	18.5	5190	28000	16.4	5000	9.3	6780	35000	
F 70 3_92.5	92.5	30	5000	17.1	5260	28700	15.1	5000	8.5	6860	35000	
F 70 3_101.2	101.2	27.7	5000	15.6	5220	30000	13.8	5000	7.8	6820	35000	
F 70 3_109.6	109.6	25.5	5000	14.4	5290	30700	12.8	5000	7.2	6890	35000	
F 70 3_122.7	122.7	22.8	5000	12.9	5250	32300	11.4	5000	6.4	6850	35000	
F 70 3_133.0	133.0	21.1	5000	11.9	5320	33100	10.5	5000	5.9	6920	35000	
F 70 3_153.8	153.8	18.2	5000	10.3	5280	35000	9.1	5000	5.1	6880	35000	
F 70 3_166.7	166.7	16.8	5000	9.5	5350	35000	8.4	5000	4.7	6950	35000	
F 70 3_180.9	180.9	15.5	5000	8.7	5310	35000	7.7	5000	4.4	6910	35000	
F 70 3_196.0	196.0	14.3	5000	8.1	5370	35000	7.1	5000	4.0	6970	35000	
F 70 4_216.5	216.5	12.9	5000	7.5	2130	35000	6.5	5000	3.7	2860	35000	
F 70 4_234.6	234.6	11.9	5000	6.9	2130	35000	6.0	5000	3.5	2860	35000	
F 70 4_280.9	280.9	10.0	5000	5.8	2200	35000	5.0	5000	2.9	2940	35000	
F 70 4_304.3	304.3	9.2	5000	5.3	2200	35000	4.6	5000	2.7	2940	35000	
F 70 4_372.5	372.5	7.5	5000	4.4	2260	35000	3.8	5000	2.2	3000	35000	
F 70 4_403.5	403.5	6.9	5000	4.0	2260	35000	3.5	5000	2.0	3000	35000	
F 70 4_471.2	471.2	5.9	5000	3.4	2300	35000	3.0	5000	1.7	3040	35000	
F 70 4_510.4	510.4	5.5	5000	3.2	2300	35000	2.7	5000	1.6	3040	35000	
F 70 4_606.8	606.8	4.6	5000	2.7	2340	35000	2.3	5000	1.3	3070	35000	
F 70 4_657.4	657.4	4.3	5000	2.5	2340	35000	2.1	5000	1.2	3070	35000	
F 70 4_759.0	759.0	3.7	5000	2.1	2360	35000	1.8	5000	1.1	3090	35000	
F 70 4_822.2	822.2	3.4	5000	2.0	2360	35000	1.7	5000	1.0	3090	35000	
F 70 4_899.4	899.4	3.1	5000	1.8	2370	35000	1.6	5000	0.90	3110	35000	
F 70 4_974.4	974.4	2.9	5000	1.7	2370	35000	1.4	5000	0.83	3110	35000	
F 70 4_1091	1091	2.6	5000	1.5	2390	35000	1.3	5000	0.74	3120	35000	
F 70 4_1182	1182	2.4	5000	1.4	2390	35000	1.2	5000	0.69	3120	35000	
F 70 4_1368	1368	2.0	5000	1.2	2400	35000	1.0	5000	0.59	3130	35000	
F 70 4_1481	1481	1.9	5000	1.1	2400	35000	0.95	5000	0.55	3130	35000	
F 70 4_1585	1585	1.8	5000	1.0	2410	35000	0.88	5000	0.51	3140	35000	
F 70 4_1717	1717	1.6	5000	0.95	2410	35000	0.82	5000	0.47	3140	35000	
F 70 4_2019	2019	1.4	5000	0.80	2420	35000	0.69	5000	0.40	3150	35000	
F 70 4_2188	2188	1.3	5000	0.74	2420	35000	0.64	5000	0.37	3150	35000	



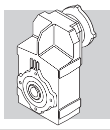
F 70 5000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 70 3_10.0	10.0	90	3200	33	4870	21700	50	3200	18.1	7000	27000	439
F 70 3_10.9	10.9	83	3450	32	4970	21700	46	3450	17.9	7000	27200	
F 70 3_12.8	12.8	70	3850	31	2540	22500	39	3600	15.9	7000	28300	
F 70 3_13.9	13.9	65	4200	31	2380	22400	36	3900	15.8	7000	28300	
F 70 3_16.3	16.3	55	4000	25	3830	24500	31	4000	13.9	7000	30700	
F 70 3_17.7	17.7	51	4350	25	3750	24400	28.2	4350	13.9	7000	30800	
F 70 3_20.9	20.9	43	4000	19.5	5210	27000	23.9	4000	10.8	7000	33700	
F 70 3_22.6	22.6	40	4350	19.6	5130	26900	22.1	4350	10.9	7000	33800	
F 70 3_24.6	24.6	37	4000	16.5	5630	28700	20.3	4000	9.2	7000	35000	
F 70 3_27.7	27.7	32	5000	18.4	7000	28100	18.1	4650	9.5	7000	35000	
F 70 3_30.0	30.0	30	5000	16.9	7000	28800	16.7	5000	9.4	7000	35000	
F 70 3_35.4	35.4	25.4	5000	14.4	7000	31000	14.1	5000	8.0	7000	35000	
F 70 3_38.4	38.4	23.4	5000	13.2	7000	31700	13.0	5000	7.4	7000	35000	
F 70 3_45.2	45.2	19.9	5000	11.2	7000	34100	11.1	5000	6.2	7000	35000	
F 70 3_49.0	49.0	18.4	5000	10.4	7000	34900	10.2	5000	5.8	7000	35000	
F 70 3_57.7	57.7	15.6	5000	8.8	7000	35000	8.7	5000	4.9	7000	35000	
F 70 3_62.5	62.5	14.4	5000	8.1	7000	35000	8.0	5000	4.5	7000	35000	
F 70 3_67.9	67.9	13.3	5000	7.5	7000	35000	7.4	5000	4.2	7000	35000	
F 70 3_73.6	73.6	12.2	5000	6.9	7000	35000	6.8	5000	3.8	7000	35000	
F 70 3_85.4	85.4	10.5	5000	6.0	7000	35000	5.9	5000	3.3	7000	35000	
F 70 3_92.5	92.5	9.7	5000	5.5	7000	35000	5.4	5000	3.1	7000	35000	
F 70 3_101.2	101.2	8.9	5000	5.0	7000	35000	4.9	5000	2.8	7000	35000	
F 70 3_109.6	109.6	8.2	5000	4.6	7000	35000	4.6	5000	2.6	7000	35000	
F 70 3_122.7	122.7	7.3	5000	4.1	7000	35000	4.1	5000	2.3	7000	35000	
F 70 3_133.0	133.0	6.8	5000	3.8	7000	35000	3.8	5000	2.1	7000	35000	
F 70 3_153.8	153.8	5.9	5000	3.3	7000	35000	3.3	5000	1.8	7000	35000	
F 70 3_166.7	166.7	5.4	5000	3.0	7000	35000	3.0	5000	1.7	7000	35000	
F 70 3_180.9	180.9	5.0	5000	2.8	7000	35000	2.8	5000	1.6	7000	35000	
F 70 3_196.0	196.0	4.6	5000	2.6	7000	35000	2.6	5000	1.4	7000	35000	
F 70 4_216.5	216.5	4.2	5000	2.4	3430	35000	2.3	5000	1.3	3500	35000	
F 70 4_234.6	234.6	3.8	5000	2.2	3430	35000	2.1	5000	1.2	3500	35000	
F 70 4_280.9	280.9	3.2	5000	1.9	3500	35000	1.8	5000	1.0	3500	35000	
F 70 4_304.3	304.3	3.0	5000	1.7	3500	35000	1.6	5000	0.95	3500	35000	
F 70 4_372.5	372.5	2.4	5000	1.4	3500	35000	1.3	5000	0.78	3500	35000	
F 70 4_403.5	403.5	2.2	5000	1.3	3500	35000	1.2	5000	0.72	3500	35000	
F 70 4_471.2	471.2	1.9	5000	1.1	3500	35000	1.1	5000	0.62	3500	35000	
F 70 4_510.4	510.4	1.8	5000	1.0	3500	35000	0.98	5000	0.57	3500	35000	
F 70 4_606.8	606.8	1.5	5000	0.86	3500	35000	0.82	5000	0.48	3500	35000	
F 70 4_657.4	657.4	1.4	5000	0.79	3500	35000	0.76	5000	0.44	3500	35000	
F 70 4_759.0	759.0	1.2	5000	0.69	3500	35000	0.66	5000	0.38	3500	35000	
F 70 4_822.2	822.2	1.1	5000	0.63	3500	35000	0.61	5000	0.35	3500	35000	
F 70 4_899.4	899.4	1.0	5000	0.58	3500	35000	0.56	5000	0.32	3500	35000	
F 70 4_974.4	974.4	0.92	5000	0.54	3500	35000	0.51	5000	0.30	3500	35000	
F 70 4_1091	1091	0.82	5000	0.48	3500	35000	0.46	5000	0.27	3500	35000	
F 70 4_1182	1182	0.76	5000	0.44	3500	35000	0.42	5000	0.25	3500	35000	
F 70 4_1368	1368	0.66	5000	0.38	3500	35000	0.37	5000	0.21	3500	35000	
F 70 4_1481	1481	0.61	5000	0.35	3500	35000	0.34	5000	0.20	3500	35000	
F 70 4_1585	1585	0.57	5000	0.33	3500	35000	0.32	5000	0.18	3500	35000	
F 70 4_1717	1717	0.52	5000	0.30	3500	35000	0.29	5000	0.17	3500	35000	
F 70 4_2019	2019	0.45	5000	0.26	3500	35000	0.25	5000	0.14	3500	35000	
F 70 4_2188	2188	0.41	5000	0.24	3500	35000	0.23	5000	0.13	3500	35000	



F 80 8000 Nm

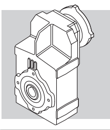
	i	n_1 = 2800 min-1					n_1 = 1400 min-1					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min-1	Nm	kW	N	N	min-1	Nm	kW	N	N	
F 80 3_10.3	10.3	272	3250	100	610	17200	136	4100	63	220	21800	
F 80 3_11.2	11.2	250	3520	99	620	17800	125	4440	63	230	21700	
F 80 3_12.9	12.9	217	3560	87	670	18900	109	4480	55	350	23100	
F 80 3_14.0	14.0	200	3850	87	700	18800	100	4860	55	310	23000	
F 80 3_16.2	16.2	173	3760	73	760	20300	86	4740	46	430	24800	
F 80 3_17.6	17.6	159	4000	72	730	20300	80	5140	46	410	24700	
F 80 3_20.3	20.3	138	4060	63	780	21700	69	5120	40	440	26500	
F 80 3_22.0	22.0	127	4400	63	780	21600	64	5540	40	470	26400	
F 80 3_25.2	25.2	111	4230	53	700	23300	56	5330	33	360	28500	
F 80 3_28.8	28.8	97	6550	72	4590	20500	49	8000	44	5890	25400	
F 80 3_31.3	31.3	89	7100	72	4590	20000	45	8000	40	6040	26000	
F 80 3_36.0	36.0	78	7250	64	4560	21500	39	8000	35	6110	28100	
F 80 3_39.0	39.0	72	6700	54	4890	23000	36	8000	32	6240	28800	
F 80 3_45.3	45.3	62	7900	55	4440	22700	31	8000	28	6240	31100	
F 80 3_49.1	49.1	57	8000	52	4750	23200	28.5	8000	26	6360	31900	
F 80 3_56.7	56.7	49	8000	45	4780	25200	24.7	8000	22	6390	34300	
F 80 3_61.5	61.5	46	8000	41	4890	25800	22.8	8000	21	6500	35100	
F 80 3_70.4	70.4	40	8000	36	4850	27800	19.9	8000	18.0	6460	37500	
F 80 3_76.3	76.3	37	8000	33	4950	28500	18.3	8000	16.6	6560	38400	
F 80 3_85.2	85.2	33	8000	30	4940	30300	16.4	8000	14.8	6550	40500	
F 80 3_92.3	92.3	30	8000	27	5040	31000	15.2	8000	13.7	6640	41500	
F 80 3_105.0	105.0	26.7	8000	24	5000	33200	13.3	8000	12.0	6610	44000	
F 80 3_113.8	113.8	24.6	8000	22	5090	34000	12.3	8000	11.1	6700	45000	
F 80 3_122.5	122.5	22.9	8000	21	5020	35400	11.4	8000	10.3	6630	45000	
F 80 3_132.7	132.7	21.1	8000	19.1	5110	36200	10.6	8000	9.5	6720	45000	
F 80 3_147.9	147.9	18.9	8000	17.1	5060	38200	9.5	8000	8.6	6660	45000	442
F 80 3_160.2	160.2	17.5	8000	15.8	5140	39100	8.7	8000	7.9	6750	45000	
F 80 3_184.6	184.6	15.2	8000	13.7	5090	41800	7.6	8000	6.9	6700	45000	
F 80 3_200.0	200.0	14.0	8000	12.7	5180	42800	7.0	8000	6.3	6780	45000	
F 80 4_218.5	218.5	12.8	8000	11.9	1020	45000	6.4	8000	5.9	2400	45000	
F 80 4_273.9	273.9	10.2	8000	9.5	1470	45000	5.1	8000	4.7	2680	45000	
F 80 4_296.7	296.7	9.4	8000	8.8	1470	45000	4.7	8000	4.4	2680	45000	
F 80 4_353.7	353.7	7.9	8000	7.3	1850	45000	4.0	8000	3.7	2770	45000	
F 80 4_383.2	383.2	7.3	8000	6.8	1850	45000	3.7	8000	3.4	2770	45000	
F 80 4_451.5	451.5	6.2	8000	5.8	2040	45000	3.1	8000	2.9	2820	45000	
F 80 4_489.1	489.1	5.7	8000	5.3	2040	45000	2.9	8000	2.7	2820	45000	
F 80 4_563.9	563.9	5.0	8000	4.6	2130	45000	2.5	8000	2.3	2860	45000	
F 80 4_610.9	610.9	4.6	8000	4.3	2130	45000	2.3	8000	2.1	2860	45000	
F 80 4_714.9	714.9	3.9	8000	3.6	2160	45000	2.0	8000	1.8	2890	45000	
F 80 4_774.4	774.4	3.6	8000	3.4	2160	45000	1.8	8000	1.7	2890	45000	
F 80 4_897.3	897.3	3.1	8000	2.9	2200	45000	1.6	8000	1.4	2930	45000	
F 80 4_972.0	972.0	2.9	8000	2.7	2200	45000	1.4	8000	1.3	2930	45000	
F 80 4_1058	1058	2.6	8000	2.5	2210	45000	1.3	8000	1.2	2950	45000	
F 80 4_1146	1146	2.4	8000	2.3	2210	45000	1.2	8000	1.1	2950	45000	
F 80 4_1277	1277	2.2	8000	2.0	2230	45000	1.1	8000	1.0	2960	45000	
F 80 4_1384	1384	2.0	8000	1.9	2230	45000	1.0	8000	0.94	2960	45000	
F 80 4_1578	1578	1.8	8000	1.6	2240	45000	0.89	8000	0.82	2970	45000	
F 80 4_1709	1709	1.6	8000	1.5	2240	45000	0.82	8000	0.76	2970	45000	
F 80 4_1834	1834	1.5	8000	1.4	2250	45000	0.76	8000	0.71	2980	45000	
F 80 4_1987	1987	1.4	8000	1.3	2250	45000	0.70	8000	0.65	2980	45000	



F 80 8000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
F 80 3_10.3	10.3	87	4740	47	—	24700	49	5770	32	—	29300	
F 80 3_11.2	11.2	80	5140	47	—	24600	45	6250	32	—	29200	
F 80 3_12.9	12.9	70	5200	41	—	26200	39	6320	28	—	31100	
F 80 3_14.0	14.0	64	5620	41	—	26100	36	6800	27	—	31000	
F 80 3_16.2	16.2	56	5490	34	—	28200	31	6250	22	1540	34200	
F 80 3_17.6	17.6	51	5960	34	—	28100	28.4	6800	22	1410	30000	
F 80 3_20.3	20.3	44	5930	30	—	30100	24.6	6250	17.4	3710	37300	
F 80 3_22.0	22.0	41	6420	30	—	30000	22.7	6800	17.5	3590	37200	
F 80 3_25.2	25.2	36	6175	25	—	32400	19.8	6250	14.0	4660	40500	
F 80 3_28.8	28.8	31	8000	28	7000	31000	17.4	8000	15.7	7000	39600	
F 80 3_31.3	31.3	28.8	8000	26	7000	31700	16.0	8000	14.4	7000	40600	
F 80 3_36.0	36.0	25.0	8000	23	7000	34100	13.9	8000	12.6	7000	43300	
F 80 3_39.0	39.0	23.1	8000	21	7000	34900	12.8	8000	11.6	7000	44300	
F 80 3_45.3	45.3	19.9	8000	18.0	7000	37500	11.0	8000	10.0	7000	45000	
F 80 3_49.1	49.1	18.3	8000	16.6	7000	38400	10.2	8000	9.2	7000	45000	
F 80 3_56.7	56.7	15.9	8000	14.3	7000	41100	8.8	8000	8.0	7000	45000	
F 80 3_61.5	61.5	14.6	8000	13.2	7000	42000	8.1	8000	7.3	7000	45000	
F 80 3_70.4	70.4	12.8	8000	11.6	7000	44700	7.1	8000	6.4	7000	45000	
F 80 3_76.3	76.3	11.8	8000	10.7	7000	45000	6.6	8000	5.9	7000	45000	
F 80 3_85.2	85.2	10.6	8000	9.5	7000	45000	5.9	8000	5.3	7000	45000	
F 80 3_92.3	92.3	9.8	8000	8.8	7000	45000	5.4	8000	4.9	7000	45000	
F 80 3_105.0	105.0	8.6	8000	7.7	7000	45000	4.8	8000	4.3	7000	45000	
F 80 3_113.8	113.8	7.9	8000	7.1	7000	45000	4.4	8000	4.0	7000	45000	
F 80 3_122.5	122.5	7.3	8000	6.6	7000	45000	4.1	8000	3.7	7000	45000	
F 80 3_132.7	132.7	6.8	8000	6.1	7000	45000	3.8	8000	3.4	7000	45000	
F 80 3_147.9	147.9	6.1	8000	5.5	7000	45000	3.4	8000	3.1	7000	45000	442
F 80 3_160.2	160.2	5.6	8000	5.1	7000	45000	3.1	8000	2.8	7000	45000	
F 80 3_184.6	184.6	4.9	8000	4.4	7000	45000	2.7	8000	2.4	7000	45000	
F 80 3_200.0	200.0	4.5	8000	4.1	7000	45000	2.5	8000	2.3	7000	45000	
F 80 4_218.5	218.5	4.1	8000	3.8	3130	45000	2.3	8000	2.1	3500	45000	
F 80 4_273.9	273.9	3.3	8000	3.0	3240	45000	1.8	8000	1.7	3500	45000	
F 80 4_296.7	296.7	3.0	8000	2.8	3240	45000	1.7	8000	1.6	3500	45000	
F 80 4_353.7	353.7	2.5	8000	2.4	3330	45000	1.4	8000	1.3	3500	45000	
F 80 4_383.2	383.2	2.3	8000	2.2	3330	45000	1.3	8000	1.2	3500	45000	
F 80 4_451.5	451.5	2.0	8000	1.8	3380	45000	1.1	8000	1.0	3500	45000	
F 80 4_489.1	489.1	1.8	8000	1.7	3380	45000	1.0	8000	0.95	3500	45000	
F 80 4_563.9	563.9	1.6	8000	1.5	3420	45000	0.89	8000	0.82	3500	45000	
F 80 4_610.9	610.9	1.5	8000	1.4	3420	45000	0.82	8000	0.76	3500	45000	
F 80 4_714.9	714.9	1.3	8000	1.2	3460	45000	0.70	8000	0.65	3500	45000	
F 80 4_774.4	774.4	1.2	8000	1.1	3460	45000	0.65	8000	0.60	3500	45000	
F 80 4_897.3	897.3	1.0	8000	0.93	3490	45000	0.56	8000	0.52	3500	45000	
F 80 4_972.0	972.0	0.93	8000	0.86	3490	45000	0.51	8000	0.48	3500	45000	
F 80 4_1058	1058	0.85	8000	0.79	3500	45000	0.47	8000	0.44	3500	45000	
F 80 4_1146	1146	0.79	8000	0.73	3500	45000	0.44	8000	0.40	3500	45000	
F 80 4_1277	1277	0.70	8000	0.65	3500	45000	0.39	8000	0.36	3500	45000	
F 80 4_1384	1384	0.65	8000	0.60	3500	45000	0.36	8000	0.34	3500	45000	
F 80 4_1578	1578	0.57	8000	0.53	3500	45000	0.32	8000	0.29	3500	45000	
F 80 4_1709	1709	0.53	8000	0.49	3500	45000	0.29	8000	0.27	3500	45000	
F 80 4_1834	1834	0.49	8000	0.46	3500	45000	0.27	8000	0.25	3500	45000	
F 80 4_1987	1987	0.45	8000	0.42	3500	45000	0.25	8000	0.23	3500	45000	

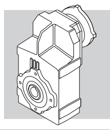
(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



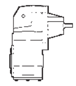
F 90 14000 Nm

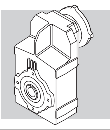
	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 90 3_10.3	10.3	272	6500	200	5480	23800	136	8000	123	8000	29300	
F 90 3_11.1	11.1	252	7150	204	5280	23300	126	8800	125	7770	28700	
F 90 3_13.4	13.4	209	7550	178	4880	25000	104	9300	110	7280	30700	
F 90 3_14.5	14.5	193	8100	177	5000	24700	97	10000	109	7400	30300	
F 90 3_16.5	16.5	170	8400	161	4540	26000	85	10300	99	6960	32000	
F 90 3_17.9	17.9	156	8950	158	4560	25700	78	11000	97	7180	31700	
F 90 3_20.6	20.6	136	9200	141	3980	27400	68	11300	87	6260	33700	
F 90 3_22.3	22.3	126	9750	138	4280	27100	63	12000	85	6590	33400	
F 90 3_25.4	25.4	110	10050	125	3620	28700	55	12000	75	6310	36000	
F 90 3_28.6	28.6	98	9750	108	9800	30900	49	12000	66	12400	38000	
F 90 3_31.0	31.0	90	10550	108	9800	30300	45	13000	66	12400	37300	
F 90 3_37.4	37.4	75	10950	93	9820	32800	37	13500	57	12400	40400	
F 90 3_40.5	40.5	69	11900	93	9820	32100	35	14000	55	12500	40600	
F 90 3_46.1	46.1	61	12050	83	9840	34300	30	14000	48	12600	43600	
F 90 3_49.9	49.9	56	13050	83	9840	33500	28.1	14000	44	12700	44700	
F 90 3_57.3	57.3	49	13050	72	9810	36300	24.4	14000	39	12700	48100	
F 90 3_62.1	62.1	45	14000	71	9830	35600	22.5	14000	36	12800	49300	
F 90 3_70.8	70.8	40	14000	63	9830	38500	19.8	14000	31	12800	52700	
F 90 3_76.7	76.7	37	14000	58	9960	39500	18.3	14000	29	13000	54000	
F 90 3_88.4	88.4	32	14000	50	9930	42800	15.8	14000	25	12900	55000	
F 90 3_95.8	95.8	29.2	14000	46	10100	43800	14.6	14000	23	13100	55000	
F 90 3_103.3	103.3	27.1	14000	43	9960	45900	13.6	14000	21	13000	55000	
F 90 3_111.9	111.9	25.0	14000	40	10100	47100	12.5	14000	19.8	13100	55000	
F 90 3_126.8	126.8	22.1	14000	35	10000	50300	11.0	14000	17.5	13000	55000	
F 90 3_137.3	137.3	20.4	14000	32	10100	51500	10.2	14000	16.1	13100	55000	
F 90 3_150.3	150.3	18.6	14000	29	10100	54000	9.3	14000	14.7	13100	55000	
F 90 3_162.8	162.8	17.2	14000	27	10200	55000	8.6	14000	13.6	13200	55000	445
F 90 3_179.2	179.2	15.6	14000	25	10200	55000	7.8	14000	12.4	13100	55000	
F 90 3_194.2	194.2	14.4	14000	23	10200	55000	7.2	14000	11.4	13200	55000	
F 90 4_213.6	213.6	13.1	14000	21	—	55000	6.6	14000	10.6	—	55000	
F 90 4_231.4	231.4	12.1	14000	19.6	—	55000	6.1	14000	9.8	—	55000	
F 90 4_268.7	268.7	10.4	14000	16.9	—	55000	5.2	14000	8.5	420	55000	
F 90 4_291.1	291.1	9.6	14000	15.6	—	55000	4.8	14000	7.8	420	55000	
F 90 4_361.8	361.8	7.7	14000	12.6	—	55000	3.9	14000	6.3	990	55000	
F 90 4_392.0	392.0	7.1	14000	11.6	—	55000	3.6	14000	5.8	990	55000	
F 90 4_457.5	457.5	6.1	14000	9.9	—	55000	3.1	14000	5.0	1390	55000	
F 90 4_495.6	495.6	5.6	14000	9.2	—	55000	2.8	14000	4.6	1390	55000	
F 90 4_577.5	577.5	4.8	14000	7.9	—	55000	2.4	14000	3.9	1600	55000	
F 90 4_625.6	625.6	4.5	14000	7.3	—	55000	2.2	14000	3.6	1600	55000	
F 90 4_714.0	714.0	3.9	14000	6.4	—	55000	2.0	14000	3.2	1800	55000	
F 90 4_773.4	773.4	3.6	14000	5.9	—	55000	1.8	14000	2.9	1800	55000	
F 90 4_910.2	910.2	3.1	14000	5.0	—	55000	1.5	14000	2.5	2020	55000	
F 90 4_986.0	986.0	2.8	14000	4.6	—	55000	1.4	14000	2.3	2020	55000	
F 90 4_1112	1112	2.5	14000	4.1	—	55000	1.3	14000	2.0	2110	55000	
F 90 4_1205	1205	2.3	14000	3.8	—	55000	1.2	14000	1.9	2110	55000	
F 90 4_1318	1318	2.1	14000	3.4	—	55000	1.1	14000	1.7	2220	55000	
F 90 4_1428	1428	2.0	14000	3.2	—	55000	0.98	14000	1.6	2220	55000	
F 90 4_1571	1571	1.8	14000	2.9	—	55000	0.89	14000	1.4	2260	55000	
F 90 4_1702	1702	1.6	14000	2.7	—	55000	0.82	14000	1.3	2260	55000	
F 90 4_1937	1937	1.4	14000	2.3	—	55000	0.72	14000	1.2	2300	55000	
F 90 4_2099	2099	1.3	14000	2.2	—	55000	0.67	14000	1.1	2300	55000	

(—) Interpellare il ns. servizio tecnico comunicando i dati relativi al carico radiale (senso di rotazione, orientamento, posizione)



F 90 14000 Nm

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
F 90 3_10.3	10.3	87	9150	90	10000	33400	49	9600	53	15000	41900	445
F 90 3_11.1	11.1	81	10050	92	9780	32700	45	10400	53	15000	41600	
F 90 3_13.4	13.4	67	10600	80	9270	35100	37	12500	53	12700	42100	
F 90 3_14.5	14.5	62	11400	80	9390	34600	34	13550	53	12700	41400	
F 90 3_16.5	16.5	55	11750	72	8890	36600	30	12300	42	14600	46400	
F 90 3_17.9	17.9	50	12550	71	9140	36200	27.9	13150	41	14800	46200	
F 90 3_20.6	20.6	44	12200	60	9100	39700	24.3	12200	33	15000	51000	
F 90 3_22.3	22.3	40	13200	60	9120	39000	22.4	13200	33	15000	50700	
F 90 3_25.4	25.4	35	12000	48	10400	43800	19.7	12000	27	15000	55000	
F 90 3_28.6	28.6	31	13700	49	14400	43400	17.5	14000	28	15000	55000	
F 90 3_31.0	31.0	29.0	14000	46	14500	44000	16.1	14000	26	15000	55000	
F 90 3_37.4	37.4	24.1	14000	38	14700	48400	13.4	14000	21	15000	55000	
F 90 3_40.5	40.5	22.2	14000	35	14800	49600	12.3	14000	19.5	15000	55000	
F 90 3_46.1	46.1	19.5	14000	31	14900	53000	10.8	14000	17.2	15000	55000	
F 90 3_49.9	49.9	18.0	14000	29	15000	54200	10.0	14000	15.8	15000	55000	
F 90 3_57.3	57.3	15.7	14000	25	15000	55000	8.7	14000	13.8	15000	55000	
F 90 3_62.1	62.1	14.5	14000	23	15000	55000	8.1	14000	12.7	15000	55000	
F 90 3_70.8	70.8	12.7	14000	20	15000	55000	7.1	14000	11.2	15000	55000	
F 90 3_76.7	76.7	11.7	14000	18.6	15000	55000	6.5	14000	10.3	15000	55000	
F 90 3_88.4	88.4	10.2	14000	16.1	15000	55000	5.7	14000	8.9	15000	55000	
F 90 3_95.8	95.8	9.4	14000	14.9	15000	55000	5.2	14000	8.3	15000	55000	
F 90 3_103.3	103.3	8.7	14000	13.8	15000	55000	4.8	14000	7.7	15000	55000	
F 90 3_111.9	111.9	8.0	14000	12.7	15000	55000	4.5	14000	7.1	15000	55000	
F 90 3_126.8	126.8	7.1	14000	11.2	15000	55000	3.9	14000	6.2	15000	55000	
F 90 3_137.3	137.3	6.6	14000	10.4	15000	55000	3.6	14000	5.8	15000	55000	
F 90 3_150.3	150.3	6.0	14000	9.5	15000	55000	3.3	14000	5.3	15000	55000	
F 90 3_162.8	162.8	5.5	14000	8.7	15000	55000	3.1	14000	4.9	15000	55000	
F 90 3_179.2	179.2	5.0	14000	7.9	15000	55000	2.8	14000	4.4	15000	55000	
F 90 3_194.2	194.2	4.6	14000	7.3	15000	55000	2.6	14000	4.1	15000	55000	
F 90 4_213.6	213.6	4.2	14000	6.8	810	55000	2.3	14000	3.8	2350	55000	
F 90 4_231.4	231.4	3.9	14000	6.3	810	55000	2.2	14000	3.5	2350	55000	
F 90 4_268.7	268.7	3.3	14000	5.4	1390	55000	1.9	14000	3.0	2920	55000	
F 90 4_291.1	291.1	3.1	14000	5.0	1390	55000	1.7	14000	2.8	2920	55000	
F 90 4_361.8	361.8	2.5	14000	4.0	1960	55000	1.4	14000	2.2	3390	55000	
F 90 4_392.0	392.0	2.3	14000	3.7	1960	55000	1.3	14000	2.1	3390	55000	
F 90 4_457.5	457.5	2.0	14000	3.2	2360	55000	1.1	14000	1.8	3490	55000	
F 90 4_495.6	495.6	1.8	14000	2.9	2360	55000	1.0	14000	1.6	3490	55000	
F 90 4_577.5	577.5	1.6	14000	2.5	2570	55000	0.87	14000	1.4	3500	55000	
F 90 4_625.6	625.6	1.4	14000	2.3	2570	55000	0.80	14000	1.3	3500	55000	
F 90 4_714.0	714.0	1.3	14000	2.0	2770	55000	0.70	14000	1.1	3500	55000	
F 90 4_773.4	773.4	1.2	14000	1.9	2770	55000	0.65	14000	1.0	3500	55000	
F 90 4_910.2	910.2	0.99	14000	1.6	2840	55000	0.55	14000	0.89	3500	55000	
F 90 4_986.0	986.0	0.91	14000	1.5	2840	55000	0.51	14000	0.82	3500	55000	
F 90 4_1112	1112	0.81	14000	1.3	2860	55000	0.45	14000	0.73	3500	55000	
F 90 4_1205	1205	0.75	14000	1.2	2860	55000	0.41	14000	0.67	3500	55000	
F 90 4_1318	1318	0.68	14000	1.1	2890	55000	0.38	14000	0.62	3500	55000	
F 90 4_1428	1428	0.63	14000	1.0	2890	55000	0.35	14000	0.57	3500	55000	
F 90 4_1571	1571	0.57	14000	0.93	2900	55000	0.32	14000	0.52	3500	55000	
F 90 4_1702	1702	0.53	14000	0.86	2900	55000	0.29	14000	0.48	3500	55000	
F 90 4_1937	1937	0.46	14000	0.75	2910	55000	0.26	14000	0.42	3500	55000	
F 90 4_2099	2099	0.43	14000	0.70	2910	55000	0.24	14000	0.39	3500	55000	



64 PREDISPOSIZIONI MOTORE

Nelle tabelle (D55) e (D56) vengono riportati gli abbinamenti motore possibili in termini puramente geometrici.

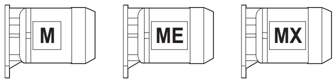
La scelta del motoriduttore deve essere effettuata seguendo le istruzioni specificate al paragrafo 11, rispettando in particolare la condizione S ≥ f_s.

(D 55)

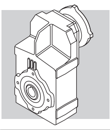
<table>
<tr><td colspan="2" rowspan="2"></td><td colspan="22">IEC_ BN BE BX (IM B5)</td></tr>
<tr><td colspan="2">BN</td><td>BN</td><td>BE</td><td>BN</td><td>BE</td><td>BN</td><td>BE</td><td>BN</td><td>BE</td><td>BN</td><td>BE</td><td>BX</td><td>BN</td><td>BE</td><td>BX</td><td>BN</td><td>BE</td><td>BX</td><td>BN</td><td>IEC</td><td>IEC</td></tr>
<tr><td rowspan="3">P_{n1}(#) [kW]</td><td>2p</td><td>0.37</td><td>0.75</td><td>1.5</td><td>1.1</td><td>2.2</td><td>2.2</td><td>4</td><td>3</td><td>4</td><td>4</td><td>9.2</td><td>9.2</td><td>—</td><td>18.5</td><td>18.5</td><td>—</td><td>22</td><td>—</td><td>—</td><td>30</td><td>45</td><td>55</td></tr>
<tr><td>4p</td><td>0.25</td><td>0.55</td><td>1.1</td><td>0.75</td><td>1.85</td><td>1.5</td><td>3</td><td>3</td><td>4</td><td>4</td><td>9.2</td><td>9.2</td><td>7.5</td><td>15</td><td>15</td><td>15</td><td>22</td><td>22</td><td>22</td><td>30</td><td>47</td><td>55</td></tr>
<tr><td>6p</td><td>0.12</td><td>0.37</td><td>0.75</td><td>—</td><td>1.1</td><td>0.75</td><td>1.85</td><td>1.5</td><td>2.2</td><td>2.2</td><td>5.5</td><td>4</td><td>—</td><td>11</td><td>7.5</td><td>—</td><td>15</td><td>—</td><td>—</td><td>18.5</td><td>30</td><td>37</td></tr>
<tr><td colspan="2"></td><td>P63</td><td>P71</td><td colspan="2">P80</td><td colspan="2">P90</td><td colspan="2">P100</td><td colspan="2">P112</td><td colspan="3">P132</td><td colspan="3">P160</td><td colspan="3">P180</td><td>P200</td><td>P225</td><td>P250</td></tr>
<tr><td>F 10 2</td><td rowspan="24">i =</td><td colspan="2">7.4_127.1</td><td colspan="4">7.4_91.5</td><td colspan="4">7.4_91.5</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 20 2</td><td colspan="2">8.7_132.2
⊖ (14.8_18.1)</td><td colspan="4">6.4_114.3</td><td colspan="4">6.4_114.3</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 20 3</td><td colspan="2">156.3_545.3</td><td colspan="4">156.3_545.3</td><td colspan="4">156.3_545.3</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 25 2</td><td colspan="2">9.4_44.4
⊖ (10.6_13.0)</td><td colspan="4">6.9_44.4</td><td colspan="4">6.9_44.4</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 25 3</td><td colspan="2">50.8_333.1</td><td colspan="4">45.6_288.1</td><td colspan="4">45.6_288.1</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 25 4</td><td colspan="2">393.9_1374</td><td colspan="4">393.9_1374</td><td colspan="4">393.9_1374</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 31 2</td><td colspan="2">18.5_44.6</td><td colspan="4">6.9_44.6</td><td colspan="4">6.9_44.6</td><td colspan="3">6.9_37.7</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 31 3</td><td colspan="2">69.1_374.4</td><td colspan="4">47.5_374.4</td><td colspan="4">47.5_374.4</td><td colspan="3">47.5_140.7</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 31 4</td><td colspan="2">418.9_1539</td><td colspan="4">418.9_1539</td><td colspan="4">418.9_1539</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 41 2</td><td colspan="2">24.1_47.9</td><td colspan="4">6.7_47.9</td><td colspan="4">6.7_47.9</td><td colspan="3">6.7_47.9</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 41 3</td><td colspan="2">84.9_344.8</td><td colspan="4">51.5_344.8</td><td colspan="4">51.5_344.8</td><td colspan="3">51.5_168.7</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 41 4</td><td colspan="2">433.7_1411</td><td colspan="4">433.7_1411</td><td colspan="4">433.7_1411</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 51 2</td><td colspan="2">30.0_37.1</td><td colspan="4">7.2_37.1</td><td colspan="4">7.2_37.1</td><td colspan="3">7.2_37.1</td><td colspan="3">7.2_37.1</td><td colspan="3">7.2_37.1</td><td></td><td></td><td></td></tr>
<tr><td>F 51 3</td><td colspan="2">105.1_352.5</td><td colspan="4">48.9_352.5</td><td colspan="4">48.9_352.5</td><td colspan="3">48.9_202.4</td><td colspan="3">48.9_202.4</td><td colspan="3">48.9_202.4</td><td></td><td></td><td></td></tr>
<tr><td>F 51 4</td><td colspan="2">429.1_1439</td><td colspan="4">429.1_1439</td><td colspan="4">429.1_1439</td><td colspan="3">429.1_826.4</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 60 3</td><td colspan="2">98.2_280.7</td><td colspan="4">11.8_280.7
⊖ (29.6_32.1)</td><td colspan="4">11.8_280.7
⊖ (29.6_32.1)</td><td colspan="3">9.0_201.4</td><td colspan="3">9.0_201.4</td><td colspan="3">9.0_201.4</td><td></td><td></td><td></td></tr>
<tr><td>F 60 4</td><td colspan="2">315.4_1141</td><td colspan="4">315.4_1141</td><td colspan="4">315.4_1141</td><td colspan="3"></td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 70 3</td><td colspan="2"></td><td colspan="4">85.4_196.0</td><td colspan="4">85.4_196.0</td><td colspan="3">16.3_196.0
⊖ (27.7_38.4)</td><td colspan="3">10.0_196.0</td><td colspan="3">10.0_196.0</td><td>10.0_49.0
⊖ (20.9_24.6)</td><td></td><td></td></tr>
<tr><td>F 70 4</td><td colspan="2">372.5_2188</td><td colspan="4">216.5_2188</td><td colspan="4">216.5_2188</td><td colspan="3">216.5_822.2</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 80 3</td><td colspan="2"></td><td colspan="4">105.0_200.0</td><td colspan="4">105.0_200.0</td><td colspan="3">20.3_200.0
⊖ (28.8_49.1)</td><td colspan="3">12.9_200.0
⊖ (28.8_31.3)</td><td colspan="3">10.3_200.0</td><td>10.3_132.7</td><td>10.3_132.7</td><td></td></tr>
<tr><td>F 80 4</td><td colspan="2">451.5_1987</td><td colspan="4">218.5_1987</td><td colspan="4">218.5_1987</td><td colspan="3">218.5_972.0</td><td colspan="3"></td><td colspan="3"></td><td></td><td></td><td></td></tr>
<tr><td>F 90 3</td><td colspan="2"></td><td colspan="4">126.8_194.2</td><td colspan="4">126.8_194.2</td><td colspan="3">25.4_194.2
⊖ (28.6_62.1)</td><td colspan="3">20.6_194.2
⊖ (28.6_49.9)</td><td colspan="3">10.3_194.2</td><td>10.3_162.8</td><td>10.3_162.8</td><td>10.3_162.8</td></tr>
<tr><td>F 90 4</td><td colspan="2">577.5_2099</td><td colspan="4">213.6_2099</td><td colspan="4">213.6_2099</td><td colspan="3">213.6_1205</td><td colspan="3">213.6_1205</td><td colspan="3">213.6_1205</td><td></td><td></td><td></td></tr>
</table>

(#) P_{n1} = massima potenza installabile sull'ingresso P_

(D 56)



		M05	M1	M2 - ME2	ME3	ME4 - MX4	ME5 - MX5
F 10 2		7.4_127.1	7.4_71.1	7.4_91.5	7.4_91.5		
F 20 2		8.7_132.2 ⊖ (14.8_18.1)	8.7_90.4 ⊖ (14.8_18.1)	6.4_114.3	6.4_114.3		
F 20 3		156.3_545.3	156.3_545.3	156.3_545.3	156.3_545.3		
F 25 2		9.4_44.4 ⊖ (10.6_13.0)	9.4_44.4 ⊖ (10.6_13.0)	6.9_44.4	6.9_44.4		
F 25 3		50.8_333.1	50.8_227.8	45.6_288.1	45.6_288.1		
F 25 4		393.9_1374	393.9_1374	393.9_1374	393.9_1374		
F 31 2			18.5_44.6	6.9_44.6	6.9_44.6	6.9_37.7	
F 31 3			69.1_293.8	47.5_374.4	47.5_374.4	47.5_140.7	
F 31 4		418.9_1539	418.9_1539	418.9_1539	418.9_1539		
F 41 2			24.1_47.9	6.7_47.9	6.7_47.9	6.7_47.9	
F 41 3			84.9_344.8	51.5_344.8	51.5_344.8	51.5_168.7	
F 41 4	**i =**	433.7_1411	433.7_1411	433.7_1411	433.7_1411		
F 51 2			30.0_37.1	7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1
F 51 3			105.1_352.5	48.9_352.5	48.9_352.5	48.9_202.4	48.9_202.4
F 51 4			429.1_1439	429.1_1439	429.1_1439	429.1_826.4	
F 60 3				11.8_280.7 ⊖ (29.6_32.1)	11.8_280.7 ⊖ (29.6_32.1)	9_201.4	9_201.4
F 60 4			315.4_1141	315.4_1141	315.4_1141		
F 70 3				85.4_196.0	85.4_196.0	16.3_196.0 ⊖ (27.7_38.4)	16.3_196.0 ⊖ (27.7_38.4)
F 70 4			372.5_2188	216.5_2188	216.5_2188	216.5_822.2	
F 80 3					105.0_200.0	20.3_200.0 ⊖ (28.8_49.1)	20.3_200.0 ⊖ (28.8_49.1)
F 80 4			451.5_1987	218.5_1987	218.5_1987	218.5_972.0	
F 90 3					126.8_194.2	25.4_194.2 ⊖ (28.6_62.1)	25.4_194.2 ⊖ (28.6_62.1)
F 90 4				213.6_2099	213.6_2099	213.6_1205	



Predisposizioni motore sono disponibili per l’abbinamento dei riduttori F 10 … F 60 con i servomotori delle tipologie più diffuse.
Le dimensioni delle flange sono reperibili nella sezione dimensionale di ogni singolo riduttore. La sigla **SK** identifica calettamenti con l’albero motore dotati di sede per chiavetta, mentre la sigla **SC** corrisponde al calettamento mediante morsetto di serraggio (fornito).

(D 57)

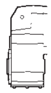
		SERVO INPUT							
		SK60A	**SK60B**	**SK80A**	**SK80B**	**SK80C**	**SK95A**	**SK95B**	**SK95C**
		SC60A	**SC60B**	**SC80A**	**SC80B**	**SC80C**	**SC95A**	**SC95B**	**SC95C**
F 10 2		7.4_127.1	7.4_71.1	7.4_71.1		7.4_91.5	7.4_71.1	7.4_91.5	7.4_91.5
F 20 2		8.7_132.2 ⊖ (14.8_18.1)	8.7_90.4 ⊖ (14.8_18.1)	8.7_90.4 ⊖ (14.8_18.1)		6.4_114.3	8.7_90.4 ⊖ (14.8_18.1)	6.4_114.3	6.4_114.3
F 20 3		156.3_545.3	156.3_545.3	156.3_545.3		156.3_545.3	156.3_545.3	156.3_545.3	156.3_545.3
F 25 2		9.4_44.4 ⊖ (10.6_13.0)	9.4_44.4 ⊖ (10.6_13.0)	9.4_44.4 ⊖ (10.6_13.0)		6.9_44.4	9.4_44.4 ⊖ (10.6_13.0)	6.9_44.4	6.9_44.4
F 25 3		45.6_333.1	45.6_227.8	45.6_227.8		45.6_288.1	45.6_227.8	45.6_288.1	45.6_288.1
F 25 4		393.9_1374	393.9_1374	393.9_1374		393.9_1374	393.9_1374	393.9_1374	393.9_1374
F 31 2		18.5_44.6	18.5_44.6	18.5_44.6		6.9_44.6	18.5_44.6	6.9_44.6	6.9_44.6
F 31 3		69.1_374.4	69.1_293.8	69.1_293.8		47.5_374.4	69.1_293.8	47.5_374.4	47.5_374.4
F 31 4	**i =**	418.9_1539	418.9_1539	418.9_1539		418.9_1539	418.9_1539	418.9_1539	418.9_1539
F 41 2					24.1_47.9	6.7_47.9	24.1_47.9	6.7_47.9	6.7_47.9
F 41 3					84.9_344.8	51.5_344.8	84.9_344.8	51.5_344.8	51.5_344.8
F 41 4		433.7_1411	433.7_1411	433.7_1411		433.7_1411	433.7_1411	433.7_1411	433.7_1411
F 51 2					30.0_37.1	7.2_37.1	30.0_37.1	7.2_37.1	7.2_37.1
F 51 3					105.1_352.5	48.9_352.5	105.1_352.5	48.9_352.5	48.9_352.5
F 51 4						429.1_1439	429.1_1439	429.1_1439	429.1_1439
F 60 3						11.8_280.7 ⊖ (29.6_32.1)	106.4_280.7	11.8_280.7 ⊖ (29.6_32.1)	11.8_280.7 ⊖ (29.6_32.1)
F 60 4					315.4_1141	315.4_1141	315.4_1141	315.4_1141	315.4_1141

(D 58)

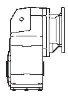
		SERVO INPUT					
		SK110A	**SK110B**	**SK130A**	**SK130B**	**SK180A**	**SK180B**
		SC110A	**SC110B**	**SC130A**	**SC130B**	**SC180A**	**SC180B**
F 10 2		7.4_91.5	7.4_91.5				
F 20 2		6.4_114.3	6.4_114.3				
F 20 3		156.3_545.3	156.3_545.3				
F 25 2		6.9_44.4	6.9_44.4				
F 25 3		45.6_288.1	45.6_288.1				
F 25 4		393.9_1374	393.9_1374				
F 31 2		6.9_44.6	6.9_44.6	6.9_44.6			
F 31 3		47.5_374.4	47.5_374.4	47.5_374.4			
F 31 4	**i =**	418.9_1539	418.9_1539				
F 41 2		6.7_47.9	6.7_47.9	6.7_47.9	6.7_47.9	6.7_47.9	6.7_47.9
F 41 3		51.5_344.8	51.5_344.8	51.5_344.8	51.5_168.7	51.5_168.7	51.5_168.7
F 41 4		433.7_1411	433.7_1411				
F 51 2		7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1	7.2_37.1
F 51 3		48.9_352.5	48.9_352.5	48.9_352.5	48.9_202.4	48.9_202.4	48.9_202.4
F 51 4		429.1_1439	429.1_1439	429.1_1439			
F 60 3		11.8_280.7 ⊖ (29.6_32.1)	11.8_280.7 ⊖ (29.6_32.1)	11.8_280.7 ⊖ (29.6_32.1)	9.0_201.4	9.0_201.4	9.0_201.4
F 60 4		315.4_1141	315.4_1141	315.4_1141			

65 MOMENTO D’INERZIA

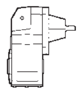
Le tabelle seguenti indicano i valori del momento d’inerzia J_r [kgm^2] riferiti all’asse veloce del riduttore; per una migliore facilità di lettura riportiamo le definizioni dei simboli usati.



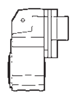
I valori riferiti a questo simbolo sono da attribuire al riduttore compatto senza motore. In questo caso, per avere il momento d’inerzia complessivo del motoriduttore, si dovrà sommare il valore corrispondente al riduttore compatto, a quello del motore da applicare (dato reperibile nelle tabelle delle caratteristiche tecniche dei motori elettrici).


IEC

I valori relativi a questi simboli sono da attribuire al riduttore predisposto per attacco motore (grandezza IEC...).

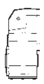
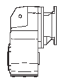
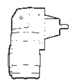


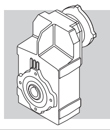
I valori attribuiti al riduttore sono riferiti a questo simbolo.


SERVO

I valori relativi a questi simboli sono da attribuire al riduttore predisposto per accoppiamento a servomotore.

F 10

	i	J (•10-4) [kgm^2]							
			 IEC						
			63	71	80	90	100	112	
F 10 2_7.4	7.4	1.0	1.8	1.8	3.8	3.7	4.9	4.9	1.7
F 10 2_8.6	8.6	0.77	1.5	1.5	3.6	3.5	4.7	4.7	1.5
F 10 2_9.8	9.8	0.64	1.4	1.4	3.4	3.3	4.5	4.5	1.3
F 10 2_11.5	11.5	0.48	1.2	1.2	3.3	3.2	4.4	4.4	1.2
F 10 2_13.0	13.0	0.38	1.1	1.1	3.2	3.1	4.3	4.3	1.1
F 10 2_14.6	14.6	0.61	1.4	1.4	3.4	3.3	4.5	4.5	1.3
F 10 2_17.0	17.0	0.48	1.3	1.2	3.3	3.2	4.4	4.4	1.2
F 10 2_19.3	19.3	0.41	1.2	1.2	3.2	3.1	4.3	4.3	1.1
F 10 2_22.8	22.8	0.32	1.1	1.1	3.1	3.0	4.2	4.2	1.0
F 10 2_25.8	25.8	0.25	1.0	1.0	3.1	2.9	4.1	4.1	0.93
F 10 2_29.6	29.6	0.19	1.0	0.95	3.0	2.9	4.1	4.1	0.87
F 10 2_33.0	33.0	0.16	0.93	0.92	3.0	2.8	4.1	4.1	0.84
F 10 2_35.3	35.3	0.14	0.92	0.90	3.0	2.8	4.0	4.0	0.83
F 10 2_39.6	39.6	0.12	0.90	0.88	2.9	2.8	4.0	4.0	0.80
F 10 2_44.7	44.7	0.10	0.88	0.86	2.9	2.8	4.0	4.0	0.79
F 10 2_48.7	48.7	0.09	0.86	0.85	2.9	2.8	4.0	4.0	0.77
F 10 2_56.7	56.7	0.07	0.84	0.83	2.9	2.7	4.0	4.0	0.75
F 10 2_63.0	63.0	0.06	0.83	0.82	2.9	2.7	3.9	3.9	0.74
F 10 2_71.1	71.1	0.05	0.82	0.81	2.8	2.7	3.9	3.9	0.73
F 10 2_81.3	81.3	0.04	0.78	0.77	2.8	2.7	3.9	3.9	0.67
F 10 2_91.5	91.5	0.03	0.78	0.76	2.8	2.7	3.9	3.9	0.66
F 10 2_106.0	106.0	0.03	0.77	0.76	—	—	—	—	0.66
F 10 2_127.1	127.1	0.02	0.76	0.75	—	—	—	—	0.65

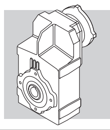


F 10

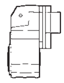
	i	J (•10-4) [kgm2] SERVO 60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
F 10 2_7.4	7.4	1.3	1.5	1.3	1.7	3.8	4.3	3.8	4.3	3.7	4.7
F 10 2_8.6	8.6	1.0	1.3	1.1	1.5	3.6	4.0	3.6	4.1	3.5	4.5
F 10 2_9.8	9.8	0.91	1.2	0.93	1.4	3.5	3.9	3.4	3.9	3.3	4.3
F 10 2_11.5	11.5	0.75	1.0	0.77	1.2	3.3	3.7	3.3	3.8	3.2	4.2
F 10 2_13.0	13.0	0.65	0.91	0.67	1.1	3.2	3.6	3.2	3.7	3.1	4.1
F 10 2_14.6	14.6	0.88	1.1	0.91	1.3	3.4	3.9	3.4	3.9	3.3	4.3
F 10 2_17.0	17.0	0.75	1.0	0.77	1.2	3.3	3.7	3.3	3.8	3.2	4.2
F 10 2_19.3	19.3	0.68	0.94	0.70	1.1	3.2	3.7	3.2	3.7	3.1	4.1
F 10 2_22.8	22.8	0.59	0.85	0.61	1.0	3.1	3.6	3.1	3.6	3.0	4.0
F 10 2_25.8	25.8	0.52	0.78	0.54	0.98	3.1	3.5	3.1	3.6	2.9	3.9
F 10 2_29.6	29.6	0.46	0.72	0.48	0.92	3.0	3.4	3.0	3.5	2.9	3.9
F 10 2_33.0	33.0	0.43	0.69	0.45	0.89	3.0	3.4	3.0	3.5	2.8	3.8
F 10 2_35.3	35.3	0.41	0.67	0.43	0.87	3.0	3.4	3.0	3.5	2.8	3.8
F 10 2_39.6	39.6	0.39	0.65	0.41	0.85	2.9	3.3	2.9	3.4	2.8	3.8
F 10 2_44.7	44.7	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.8	3.8
F 10 2_48.7	48.7	0.36	0.62	0.38	0.82	2.9	3.3	2.9	3.4	2.8	3.8
F 10 2_56.7	56.7	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7
F 10 2_63.0	63.0	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.7	3.7
F 10 2_71.1	71.1	0.32	0.58	0.34	0.78	2.9	3.3	2.8	3.3	2.7	3.7
F 10 2_81.3	81.3	0.31	0.57	—	—	—	—	2.8	3.3	2.7	3.7
F 10 2_91.5	91.5	0.30	0.56	—	—	—	—	2.8	3.3	2.7	3.7
F 10 2_106.0	106.0	0.30	0.56	—	—	—	—	—	—	—	—
F 10 2_127.1	127.1	0.29	0.55	—	—	—	—	—	—	—	—

F 20

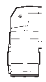
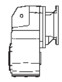
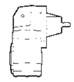
	i	J (•10-4) [kgm2]							
			IEC 63	IEC 71	IEC 80	IEC 90	IEC 100	IEC 112	
F 20 2_6.4	6.4	2.2	—	—	5.0	4.8	6.0	6.0	3.9
F 20 2_7.8	7.8	1.5	—	—	4.3	4.2	5.4	5.4	3.3
F 20 2_8.7	8.7	1.3	2.0	2.0	4.1	3.9	5.2	5.2	3.0
F 20 2_10.0	10.0	1.0	1.8	1.7	3.8	3.7	4.9	4.9	2.7
F 20 2_11.2	11.2	0.88	1.6	1.6	3.6	3.5	4.7	4.7	2.6
F 20 2_14.8	14.8	1.2	—	—	4.0	3.9	5.1	5.1	2.9
F 20 2_18.1	18.1	0.90	—	—	3.7	3.5	4.7	4.7	2.6
F 20 2_20.2	20.2	0.78	1.5	1.5	3.5	3.4	4.6	4.6	2.5
F 20 2_23.1	23.1	0.64	1.4	1.3	3.4	3.3	4.5	4.5	2.4
F 20 2_25.9	25.9	0.57	1.3	1.3	3.3	3.2	4.4	4.4	2.3
F 20 2_30.4	30.4	0.41	1.1	1.1	3.2	3.0	4.3	4.3	2.1
F 20 2_33.1	33.1	0.36	1.1	1.1	3.1	3.0	4.2	4.2	2.1
F 20 2_37.9	37.9	0.30	1.0	1.0	3.1	2.9	4.1	4.1	2.0
F 20 2_41.8	41.8	0.27	1.0	1.0	3.0	2.9	4.1	4.1	2.0
F 20 2_44.8	44.8	0.24	1.0	1.0	3.0	2.9	4.1	4.1	2.0
F 20 2_50.7	50.7	0.21	0.93	0.92	3.0	2.8	4.1	4.1	1.9
F 20 2_56.7	56.7	0.18	0.91	0.90	2.9	2.8	4.0	4.0	1.9
F 20 2_61.9	61.9	0.16	0.89	0.88	2.9	2.8	4.0	4.0	1.9
F 20 2_69.1	69.1	0.14	0.87	0.86	2.9	2.8	4.0	4.0	1.8
F 20 2_76.8	76.8	0.12	0.86	0.85	2.9	2.8	4.0	4.0	1.8
F 20 2_90.4	90.4	0.10	0.84	0.82	2.9	2.7	3.9	3.9	1.8
F 20 2_101.6	101.6	0.09	0.80	0.79	2.8	2.7	3.9	3.9	1.8
F 20 2_114.3	114.3	0.08	0.79	0.77	2.8	2.7	3.9	3.9	1.8
F 20 2_132.2	132.2	0.03	0.78	0.77	—	—	—	—	1.8
F 20 3_156.3	156.3	0.04	0.81	0.80	2.8	2.7	3.9	3.9	0.72
F 20 3_172.6	172.6	0.04	0.81	0.80	2.8	2.7	3.9	3.9	0.72
F 20 3_184.9	184.9	0.04	0.81	0.80	2.8	2.7	3.9	3.9	0.72
F 20 3_209.3	209.3	0.03	0.81	0.79	2.8	2.7	3.9	3.9	0.72
F 20 3_234.0	234.0	0.03	0.81	0.79	2.8	2.7	3.9	3.9	0.71
F 20 3_255.3	255.3	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.71
F 20 3_285.2	285.2	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.71
F 20 3_316.9	316.9	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.71
F 20 3_372.9	372.9	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.71
F 20 3_419.3	419.3	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.66
F 20 3_471.7	471.7	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.66
F 20 3_545.3	545.3	0.03	0.80	0.79	2.8	2.7	3.9	3.9	0.66

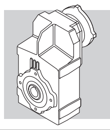


F 20

	i	J (•10-4) [kgm2]									
		 SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
F 20 2_6.4	6.4	—	—	—	—	—	—	5.0	5.5	4.8	5.8
F 20 2_7.8	7.8	—	—	—	—	—	—	4.3	4.8	4.2	5.2
F 20 2_8.7	8.7	1.6	1.8	1.6	2.0	4.1	4.6	4.1	4.6	3.9	4.9
F 20 2_10.0	10.0	1.3	1.5	1.3	1.7	3.8	4.3	3.8	4.3	3.7	4.7
F 20 2_11.2	11.2	1.2	1.4	1.2	1.6	3.7	4.1	3.6	4.1	3.5	4.5
F 20 2_14.8	14.8	—	—	—	—	—	—	4.0	4.5	3.9	4.9
F 20 2_18.1	18.1	—	—	—	—	—	—	3.7	4.2	3.5	4.5
F 20 2_20.2	20.2	1.1	1.3	1.1	1.5	3.6	4.0	3.5	4.0	3.4	4.4
F 20 2_23.1	23.1	0.91	1.2	0.93	1.4	3.5	3.9	3.4	3.9	3.3	4.3
F 20 2_25.9	25.9	0.84	1.1	0.86	1.3	3.4	3.8	3.3	3.8	3.2	4.2
F 20 2_30.4	30.4	0.68	0.94	0.70	1.1	3.2	3.7	3.2	3.7	3.0	4.0
F 20 2_33.1	33.1	0.63	0.89	0.65	1.1	3.2	3.6	3.1	3.6	3.0	4.0
F 20 2_37.9	37.9	0.47	0.83	0.59	1.0	3.1	3.6	3.1	3.6	2.9	3.9
F 20 2_41.8	41.8	0.44	0.80	0.56	1.0	3.1	3.5	3.0	3.5	2.9	3.9
F 20 2_44.8	44.8	0.41	0.77	0.53	0.97	3.1	3.5	3.0	3.5	2.9	3.9
F 20 2_50.7	50.7	0.48	0.74	0.50	0.94	3.0	3.5	3.0	3.5	2.8	3.8
F 20 2_56.7	56.7	0.45	0.71	0.47	0.91	3.0	3.4	2.9	3.4	2.8	3.8
F 20 2_61.9	61.9	0.43	0.69	0.45	0.89	3.0	3.4	2.9	3.4	2.8	3.8
F 20 2_69.1	69.1	0.41	0.67	0.43	0.87	3.0	3.4	2.9	3.4	2.8	3.8
F 20 2_76.8	76.8	0.39	0.65	0.41	0.85	2.9	3.4	2.9	3.4	2.8	3.8
F 20 2_90.4	90.4	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.7	3.7
F 20 2_101.6	101.6	0.36	0.62	—	—	—	—	2.8	3.3	2.7	3.7
F 20 2_114.3	114.3	0.35	0.61	—	—	—	—	2.8	3.3	2.7	3.7
F 20 2_132.2	132.2	0.30	0.56	—	—	—	—	—	—	—	—
F 20 3_156.3	156.3	0.31	0.57	0.33	0.77	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_172.6	172.6	0.31	0.57	0.33	0.77	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_184.9	184.9	0.31	0.57	0.33	0.77	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_209.3	209.3	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_234.0	234.0	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_255.3	255.3	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_285.2	285.2	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_316.9	316.9	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_372.9	372.9	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_419.3	419.3	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_471.7	471.7	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7
F 20 3_545.3	545.3	0.30	0.56	0.32	0.76	2.9	3.3	2.8	3.3	2.7	3.7

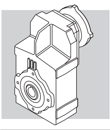
F 25

	i	J (•10-4) [kgm2]							
			 IEC						
			63	71	80	90	100	112	
F 25 2_6.9	6.9	2.7	—	—	5.4	5.3	6.5	6.5	4.4
F 25 2_8.4	8.4	1.9	—	—	4.6	4.5	5.7	5.7	3.6
F 25 2_9.4	9.4	1.6	2.3	2.3	4.3	4.2	5.4	5.4	3.3
F 25 2_10.6	10.6	1.9	—	—	4.6	4.5	5.7	5.7	3.6
F 25 2_13.0	13.0	1.3	—	—	4.1	4.0	5.2	5.2	3.0
F 25 2_14.5	14.5	1.1	1.8	1.8	3.9	3.8	5.0	5.0	2.8
F 25 2_16.6	16.6	0.90	1.6	1.6	3.7	3.5	4.7	4.7	2.6
F 25 2_18.6	18.6	0.77	1.5	1.5	3.5	3.4	4.6	4.6	2.5
F 25 2_21.8	21.8	0.57	1.3	1.3	3.3	3.2	4.4	4.4	2.3
F 25 2_23.8	23.8	0.48	1.2	1.2	3.2	3.1	4.3	4.3	2.2
F 25 2_27.2	27.2	0.40	1.1	1.1	3.2	3.0	4.2	4.2	2.1
F 25 2_30.0	30.0	0.35	1.1	1.1	3.1	3.0	4.2	4.2	2.1
F 25 2_32.2	32.2	0.31	1.0	1.0	3.1	2.9	4.2	4.2	2.0
F 25 2_36.4	36.4	0.26	1.0	1.0	3.0	2.9	4.1	4.1	2.0
F 25 2_40.7	40.7	0.22	1.0	0.94	3.0	2.9	4.1	4.1	1.9
F 25 2_44.4	44.4	0.20	0.93	0.92	3.0	2.8	4.0	4.0	1.9
F 25 3_45.6	45.6	0.79	—	—	3.6	3.4	4.6	4.6	2.5
F 25 3_50.8	50.8	0.70	1.4	1.4	3.5	3.3	4.5	4.5	2.4
F 25 3_58.3	58.3	0.58	1.3	1.3	3.3	3.2	4.4	4.4	2.3
F 25 3_65.3	65.3	0.52	1.2	1.2	3.3	3.1	4.4	4.4	2.2
F 25 3_76.6	76.6	0.38	1.1	1.1	3.1	3.0	4.2	4.2	2.1
F 25 3_83.4	83.4	0.32	1.0	1.0	3.1	3.0	4.2	4.2	2.0
F 25 3_95.5	95.5	0.28	1.0	1.0	3.0	2.9	4.1	4.1	2.0
F 25 3_105.4	105.4	0.25	1.0	1.0	3.0	2.9	4.1	4.1	2.0
F 25 3_113.0	113.0	0.23	0.95	0.94	3.0	2.9	4.1	4.1	1.9
F 25 3_127.8	127.8	0.20	0.92	0.91	3.0	2.8	4.0	4.0	1.9
F 25 3_143.0	143.0	0.17	0.90	0.89	2.9	2.8	4.0	4.0	1.9
F 25 3_155.9	155.9	0.15	0.88	0.87	2.9	2.8	4.0	4.0	1.9
F 25 3_174.2	174.2	0.13	0.87	0.86	2.9	2.8	4.0	4.0	1.8
F 25 3_193.6	193.6	0.12	0.85	0.84	2.9	2.7	4.0	4.0	1.8
F 25 3_227.8	227.8	0.10	0.83	0.82	2.9	2.7	3.9	3.9	1.8
F 25 3_256.1	256.1	0.09	0.79	0.78	2.8	2.7	3.9	3.9	1.8
F 25 3_288.1	288.1	0.08	0.78	0.77	2.8	2.7	3.9	3.9	1.8
F 25 3_333.1	333.1	0.03	0.78	0.76	—	—	—	—	1.8
F 25 4_393.9	393.9	0.02	0.80	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_434.9	434.9	0.02	0.79	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_466.0	466.0	0.02	0.79	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_527.3	527.3	0.02	0.79	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_589.7	589.7	0.02	0.79	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_643.3	643.3	0.02	0.79	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_718.7	718.7	0.02	0.79	0.78	2.8	2.7	3.9	3.9	0.70
F 25 4_798.5	798.5	0.01	0.79	0.77	2.8	2.7	3.9	3.9	0.70
F 25 4_939.8	939.8	0.01	0.79	0.77	2.8	2.7	3.9	3.9	0.69
F 25 4_1057	1057	0.01	0.79	0.77	2.8	2.7	3.9	3.9	0.64
F 25 4_1189	1189	0.01	0.78	0.77	2.8	2.7	3.9	3.9	0.64
F 25 4_1374	1374	0.01	0.78	0.77	2.8	2.7	3.9	3.9	0.64



F 25

	i	J (•10-4) [kgm2] SERVO									
		60A		60B 80A		95A		80C 95B 110A		95C 110B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
F 25 2_6.9	6.9	—	—	—	—	—	—	5.4	5.9	5.3	6.3
F 25 2_8.4	8.4	—	—	—	—	—	—	4.6	5.1	4.5	5.5
F 25 2_9.4	9.4	1.9	2.1	1.9	2.3	4.4	4.9	4.3	4.8	4.2	5.2
F 25 2_10.6	10.6	—	—	—	—	—	—	4.6	5.1	4.5	5.5
F 25 2_13.0	13.0	—	—	—	—	—	—	4.1	4.6	4.0	5.0
F 25 2_14.5	14.5	1.4	1.6	1.4	1.8	3.9	4.4	3.9	4.4	3.8	4.8
F 25 2_16.6	16.6	1.2	1.4	1.2	1.6	3.7	4.2	3.7	4.2	3.5	4.5
F 25 2_18.6	18.6	1.0	1.3	1.1	1.5	3.6	4.0	3.5	4.0	3.4	4.4
F 25 2_21.8	21.8	0.84	1.1	0.86	1.3	3.4	3.8	3.3	3.8	3.2	4.2
F 25 2_23.8	23.8	0.75	1.0	0.77	1.2	3.3	3.7	3.2	3.7	3.1	4.1
F 25 2_27.2	27.2	0.67	0.93	0.69	1.1	3.2	3.7	3.2	3.7	3.0	4.0
F 25 2_30.0	30.0	0.62	0.88	0.64	1.1	3.2	3.6	3.1	3.6	3.0	4.0
F 25 2_32.2	32.2	0.58	0.84	1.4	1.8	3.1	3.6	3.1	3.6	2.9	3.9
F 25 2_36.4	36.4	0.53	0.79	0.55	0.99	3.1	3.5	3.0	3.5	2.9	3.9
F 25 2_40.7	40.7	0.49	0.75	0.51	0.95	3.0	3.5	3.0	3.5	2.9	3.9
F 25 2_44.4	44.4	0.47	0.73	0.49	0.93	3.0	3.5	3.0	3.5	2.8	3.8
F 25 3_45.6	45.6	1.1	1.3	1.1	1.5	3.6	4.0	3.6	4.1	3.4	4.4
F 25 3_50.8	50.8	0.97	1.2	0.99	1.4	3.5	4.0	3.5	4.0	3.3	4.3
F 25 3_58.3	58.3	0.85	1.1	0.87	1.3	3.4	3.8	3.3	3.8	3.2	4.2
F 25 3_65.3	65.3	0.79	1.1	0.84	1.2	3.3	3.8	3.3	3.8	3.1	4.1
F 25 3_76.6	76.6	0.65	0.91	0.67	1.1	3.2	3.6	3.1	3.6	3.0	4.0
F 25 3_83.4	83.4	0.59	0.85	0.61	1.0	3.1	3.6	3.1	3.6	3.0	4.0
F 25 3_95.5	95.5	0.55	0.81	0.57	1.0	3.1	3.5	3.0	3.5	2.9	3.9
F 25 3_105.4	105.4	0.52	0.78	0.54	0.98	3.1	3.5	3.0	3.5	2.9	3.9
F 25 3_113.0	113.0	0.50	0.76	0.52	0.96	3.1	3.5	3.0	3.5	2.9	3.9
F 25 3_127.8	127.8	0.47	0.73	0.49	0.93	3.0	3.5	3.0	3.5	2.8	3.8
F 25 3_143.0	143.0	0.44	0.70	0.46	0.90	3.0	3.4	2.9	3.4	2.8	3.8
F 25 3_155.9	155.9	0.42	0.68	0.44	0.88	3.0	3.4	2.9	3.4	2.8	3.8
F 25 3_174.2	174.2	0.40	0.66	0.42	0.86	3.0	3.4	2.9	3.4	2.8	3.8
F 25 3_193.6	193.6	0.39	0.65	0.41	0.85	2.9	3.4	2.9	3.4	2.7	3.7
F 25 3_227.8	227.8	0.37	0.63	0.39	0.83	2.9	3.4	2.9	3.4	2.7	3.7
F 25 3_256.1	256.1	0.36	0.62	—	—	—	—	2.8	3.3	2.7	3.7
F 25 3_288.1	288.1	0.35	0.61	—	—	—	—	2.8	3.3	2.7	3.7
F 25 3_333.1	333.1	0.30	0.56	—	—	—	—	—	—	—	—
F 25 4_393.9	393.9	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_434.9	434.9	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_466.0	466.0	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_527.3	527.3	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_589.7	589.7	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_643.3	643.3	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_718.7	718.7	0.29	0.55	0.31	0.75	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_798.5	798.5	0.28	0.54	0.30	0.74	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_939.8	939.8	0.28	0.54	0.30	0.74	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_1057	1057	0.28	0.54	0.30	0.74	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_1189	1189	0.28	0.54	0.30	0.74	2.8	3.3	2.8	3.3	2.7	3.7
F 25 4_1374	1374	0.28	0.54	0.30	0.74	2.8	3.3	2.8	3.3	2.7	3.7

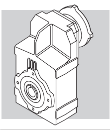


F 31

	i	J (•10^{-4}) [kgm^2]								
			IEC							
			63	71	80	90	100	112	132	
F 31 2_6.9	6.9	5.0	—	—	7.8	7.6	8.9	8.9	22	7.1
F 31 2_8.2	8.2	3.7	—	—	6.5	6.3	7.5	7.5	20	5.8
F 31 2_9.0	9.0	3.2	—	—	6.0	5.8	7.0	7.0	20	5.3
F 31 2_10.7	10.7	3.5	—	—	6.3	6.2	7.4	7.4	20	5.6
F 31 2_12.7	12.7	2.6	—	—	5.4	5.3	6.5	6.5	19	4.7
F 31 2_13.9	13.9	2.3	—	—	5.1	4.9	6.2	6.2	19	4.4
F 31 2_16.8	16.8	1.8	—	—	4.6	4.4	5.6	5.6	18	3.9
F 31 2_18.5	18.5	1.5	2.2	2.2	4.2	4.1	5.3	5.3	18	3.5
F 31 2_21.1	21.1	1.1	1.8	1.8	3.9	3.7	5.0	5.0	18	3.2
F 31 2_23.4	23.4	1.0	1.7	1.7	3.7	3.6	4.8	4.8	18	3.0
F 31 2_27.3	27.3	0.78	1.5	1.5	3.5	3.4	4.6	4.6	17	2.8
F 31 2_30.1	30.1	0.65	1.4	1.4	3.4	3.3	4.5	4.5	17	2.7
F 31 2_34.4	34.4	0.53	1.3	1.2	3.3	3.2	4.4	4.4	17	2.6
F 31 2_37.7	37.7	0.47	1.2	1.2	3.2	3.1	4.3	4.3	17	2.5
F 31 2_40.4	40.4	0.42	1.1	1.1	3.2	3.0	4.3	4.3	—	2.5
F 31 2_44.6	44.6	0.37	1.1	1.1	3.1	3.0	4.2	4.2	—	2.4
F 31 3_47.5	47.5	1.6	—	—	4.3	4.2	5.4	5.4	18	3.6
F 31 3_52.1	52.1	1.4	—	—	4.2	4.0	5.3	5.3	18	3.5
F 31 3_62.8	62.8	1.2	—	—	3.9	3.8	5.0	5.0	18	3.2
F 31 3_69.1	69.1	1.0	1.7	1.7	3.7	3.6	4.8	4.8	18	3.0
F 31 3_78.9	78.9	0.72	1.4	1.4	3.5	3.4	4.6	4.6	17	2.8
F 31 3_87.4	87.4	0.66	1.4	1.4	3.4	3.3	4.5	4.5	17	2.7
F 31 3_101.9	101.9	0.54	1.3	1.2	3.3	3.2	4.4	4.4	17	2.6
F 31 3_112.5	112.5	0.46	1.2	1.2	3.2	3.1	4.3	4.3	17	2.5
F 31 3_128.4	128.4	0.38	1.1	1.1	3.1	3.0	4.2	4.2	17	2.4
F 31 3_140.7	140.7	0.35	1.1	1.1	3.1	3.0	4.2	4.2	17	2.4
F 31 3_150.8	150.8	0.31	1.0	1.0	3.1	2.9	4.2	4.2	—	2.4
F 31 3_166.8	166.8	0.28	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
F 31 3_185.4	185.4	0.24	1.0	1.0	3.0	2.9	4.1	4.1	—	2.3
F 31 3_202.3	202.3	0.21	0.94	0.93	3.0	2.8	4.1	4.1	—	2.3
F 31 3_228.2	228.2	0.18	0.92	0.90	2.9	2.8	4.0	4.0	—	2.2
F 31 3_253.6	253.6	0.16	0.89	0.88	2.9	2.8	4.0	4.0	—	2.2
F 31 3_293.8	293.8	0.13	0.86	0.85	2.9	2.8	4.0	4.0	—	2.2
F 31 3_332.8	332.8	0.11	0.82	0.81	2.9	2.7	4.0	4.0	—	2.2
F 31 3_374.4	374.4	0.10	0.81	0.79	2.9	2.7	3.9	3.9	—	2.2
F 31 4_418.9	418.9	0.09	0.86	0.85	2.9	2.8	3.9	3.9	—	0.77
F 31 4_462.6	462.6	0.08	0.86	0.84	2.9	2.7	3.9	3.9	—	0.77
F 31 4_527.8	527.8	0.08	0.85	0.84	2.9	2.7	3.9	3.9	—	0.76
F 31 4_578.6	578.6	0.08	0.85	0.84	2.9	2.7	3.9	3.9	—	0.76
F 31 4_619.9	619.9	0.07	0.85	0.83	2.9	2.7	3.9	3.9	—	0.76
F 31 4_685.6	685.6	0.07	0.85	0.83	2.9	2.7	3.9	3.9	—	0.76
F 31 4_762.3	762.3	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75
F 31 4_831.6	831.6	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75
F 31 4_938.2	938.2	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75
F 31 4_1042	1042	0.07	0.84	0.83	2.9	2.7	3.9	3.9	—	0.75
F 31 4_1208	1208	0.06	0.84	0.82	2.9	2.7	3.9	3.9	—	0.75
F 31 4_1368	1368	0.06	0.84	0.82	2.9	2.7	3.9	3.9	—	0.75
F 31 4_1539	1539	0.06	0.84	0.82	2.9	2.7	3.9	3.9	—	0.75

F 31

	i	J (•10-4) [kgm2] SERVO											
		60A		60B 80A		95A		80C 95B 110A		95C 110B		130A	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
F 31 2_6.9	6.9	—	—	—	—	—	—	7.8	8.3	7.6	8.6	7.6	8.6
F 31 2_8.2	8.2	—	—	—	—	—	—	6.5	7.0	6.3	7.3	6.3	7.3
F 31 2_9.0	9.0	—	—	—	—	—	—	6.0	6.5	5.8	6.8	5.8	6.8
F 31 2_10.7	10.7	—	—	—	—	—	—	6.3	6.8	6.2	7.2	6.2	7.2
F 31 2_12.7	12.7	—	—	—	—	—	—	5.4	5.9	5.3	6.3	5.3	6.3
F 31 2_13.9	13.9	—	—	—	—	—	—	5.1	5.6	4.9	5.9	4.9	5.9
F 31 2_16.8	16.8	—	—	—	—	—	—	4.6	5.1	4.4	5.4	4.4	5.4
F 31 2_18.5	18.5	1.8	2.0	1.8	2.2	4.3	4.8	4.2	4.7	4.1	5.1	4.1	5.1
F 31 2_21.1	21.1	1.4	1.6	1.4	1.8	3.9	4.3	3.9	4.4	3.7	4.7	3.7	4.7
F 31 2_23.4	23.4	1.3	1.5	1.3	1.7	3.8	4.3	3.7	4.2	3.6	4.6	3.6	4.6
F 31 2_27.3	27.3	1.1	1.3	1.1	1.5	3.6	4.0	3.5	4.0	3.4	4.4	3.4	4.4
F 31 2_30.1	30.1	0.92	1.2	0.94	1.4	3.5	3.9	3.4	3.9	3.3	4.3	3.3	4.3
F 31 2_34.4	34.4	0.80	1.1	0.82	1.3	3.4	3.8	3.3	3.8	3.2	4.2	3.2	4.2
F 31 2_37.7	37.7	0.74	1.0	0.76	1.2	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1
F 31 2_40.4	40.4	0.69	0.95	0.71	1.1	3.2	3.7	3.2	3.7	3.0	4.0	3.0	4.0
F 31 2_44.6	44.6	0.64	0.90	0.66	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
F 31 3_47.5	47.5	—	—	—	—	—	—	4.3	4.8	4.2	5.2	4.2	5.2
F 31 3_52.1	52.1	—	—	—	—	—	—	4.2	4.7	4.0	5.0	4.0	5.0
F 31 3_62.8	62.8	—	—	—	—	—	—	3.9	4.4	3.8	4.8	3.8	4.8
F 31 3_69.1	69.1	1.3	1.5	1.3	1.7	3.8	4.3	3.7	4.2	3.6	4.6	3.6	4.6
F 31 3_78.9	78.9	0.99	1.3	1.0	1.4	3.5	4.0	3.5	4.0	3.4	4.4	3.4	4.4
F 31 3_87.4	87.4	0.93	1.2	0.95	1.4	3.5	3.9	3.4	3.9	3.3	4.3	3.3	4.3
F 31 3_101.9	101.9	0.81	1.1	0.83	1.3	3.4	3.8	3.3	3.8	3.2	4.2	3.2	4.2
F 31 3_112.5	112.5	0.73	0.99	0.75	1.2	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1
F 31 3_128.4	128.4	0.65	0.91	0.67	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
F 31 3_140.7	140.7	0.62	0.88	0.64	1.1	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0
F 31 3_150.8	150.8	0.58	0.84	0.60	1.0	3.1	3.6	3.1	3.6	2.9	3.9	2.9	3.9
F 31 3_166.8	166.8	0.55	0.81	0.57	1.0	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
F 31 3_185.4	185.4	0.51	0.77	0.53	0.97	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9
F 31 3_202.3	202.3	0.48	0.74	0.50	0.93	3.0	3.5	3.0	3.5	2.8	3.8	2.8	3.8
F 31 3_228.2	228.2	0.45	0.71	0.47	0.91	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
F 31 3_253.6	253.6	0.43	0.69	0.45	0.89	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
F 31 3_293.8	293.8	0.40	0.66	0.42	0.86	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8
F 31 3_332.8	332.8	0.38	0.64	—	—	—	—	2.9	3.4	2.7	3.7	2.7	3.7
F 31 3_374.4	374.4	0.37	0.63	—	—	—	—	2.9	3.4	2.7	3.7	2.7	3.7
F 31 4_418.9	418.9	0.36	0.62	0.38	0.82	2.9	3.3	2.9	3.4	2.8	3.8	—	—
F 31 4_462.6	462.6	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_527.8	527.8	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_578.6	578.6	0.35	0.61	0.37	0.81	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_619.9	619.9	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_685.6	685.6	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_762.3	762.3	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_831.6	831.6	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_938.2	938.2	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_1042	1042	0.34	0.60	0.36	0.80	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_1208	1208	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_1368	1368	0.33	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.7	3.7	—	—
F 31 4_1539	1539	0.83	0.59	0.35	0.79	2.9	3.3	2.9	3.4	2.7	3.7	—	—

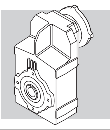


F 41

	i	J (•10-4) [kgm2]								
			IEC 63	71	80	90	100	112	132	
F 41 2_6.7	6.7	12	—	—	15	15	18	18	29	21
F 41 2_9.1	9.1	7.2	—	—	10	9.8	13	13	24	16
F 41 2_10.8	10.8	8.0	—	—	11	11	13	13	25	17
F 41 2_14.6	14.6	5.0	—	—	7.7	7.6	10	10	21	14
F 41 2_17.1	17.1	3.5	—	—	6.3	6.2	8.9	8.9	20	12
F 41 2_18.9	18.9	3.1	—	—	5.8	5.7	8.5	8.5	20	12
F 41 2_24.1	24.1	2.1	2.8	2.8	4.9	4.8	7.5	7.5	19	11
F 41 2_30.1	30.1	1.5	2.2	2.2	4.3	4.2	6.9	6.9	18	10
F 41 2_38.2	38.2	0.95	1.7	1.7	3.7	3.6	6.3	6.3	17	9.7
F 41 2_47.9	47.9	0.67	1.4	1.4	3.4	3.3	6.0	6.0	17	9.5
F 41 3_51.5	51.5	3.0	—	—	5.7	5.6	8.4	8.4	19	12
F 41 3_60.2	60.2	2.1	—	—	4.9	4.7	7.5	7.5	19	11
F 41 3_66.5	66.5	1.9	—	—	4.7	4.5	7.3	7.3	18	11
F 41 3_84.9	84.9	1.4	2.1	2.1	4.2	4.0	6.8	6.8	18	10
F 41 3_106.0	106.0	1.1	1.8	1.7	3.8	3.7	6.4	6.4	18	9.8
F 41 3_134.4	134.4	0.66	1.4	1.4	3.4	3.3	6.0	6.0	17	9.4
F 41 3_168.7	168.7	0.49	1.2	1.2	3.2	3.1	5.9	5.9	17	9.3
F 41 3_180.7	180.7	0.43	1.1	1.1	3.2	3.1	5.8	5.8	—	9.2
F 41 3_198.9	198.9	0.39	1.1	1.1	3.1	3.0	5.8	5.8	—	9.2
F 41 3_220.1	220.1	0.36	1.1	1.1	3.1	3.0	5.7	5.7	—	9.1
F 41 3_240.1	240.1	0.31	1.0	1.0	3.1	2.9	5.7	5.7	—	9.1
F 41 3_266.9	266.9	0.28	1.0	1.0	3.0	2.9	5.7	5.7	—	9.1
F 41 3_296.6	296.6	0.23	1.0	1.0	3.0	2.9	5.6	5.6	—	9.0
F 41 3_344.8	344.8	0.19	0.92	0.91	2.9	2.8	5.6	5.6	—	9.0
F 41 4_433.7	433.7	0.21	0.94	0.93	3.0	2.8	4.1	4.1	—	1.9
F 41 4_549.8	549.8	0.19	0.92	0.90	2.9	2.8	4.0	4.0	—	1.9
F 41 4_690.1	690.1	0.18	0.91	0.89	2.9	2.8	4.0	4.0	—	1.9
F 41 4_739.4	739.4	0.17	0.90	0.89	2.9	2.8	4.0	4.0	—	1.9
F 41 4_813.8	813.8	0.17	0.90	0.89	2.9	2.8	4.0	4.0	—	1.9
F 41 4_900.5	900.5	0.17	0.90	0.89	2.9	2.8	4.0	4.0	—	1.9
F 41 4_982.4	982.4	0.17	0.90	0.88	2.9	2.8	4.0	4.0	—	1.9
F 41 4_1092	1092	0.16	0.89	0.88	2.9	2.8	4.0	4.0	—	1.9
F 41 4_1213	1213	0.16	0.89	0.88	2.9	2.8	4.0	4.0	—	1.9
F 41 4_1411	1411	0.16	0.89	0.88	2.9	2.8	4.0	4.0	—	1.9

F 41

	i	J (•10-4) [kgm²] SERVO																	
		60A		60B 80A		80B		95A		80C 95B 110A		95C 110B		130A		130B 180A		180B	
		SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC	SK	SC
F 41 2_6.7	6.7	—	—	—	—	—	—	—	—	15	16	15	16	15	16	29	31	29	34
F 41 2_9.1	9.1	—	—	—	—	—	—	—	—	10	11	9.8	11	9.8	11	24	27	24	29
F 41 2_10.8	10.8	—	—	—	—	—	—	—	—	11	12	11	12	11	12	25	27	25	30
F 41 2_14.6	14.6	—	—	—	—	—	—	—	—	7.7	8.2	7.6	8.6	7.6	8.6	22	24	21	26
F 41 2_17.1	17.1	—	—	—	—	—	—	—	—	6.3	6.8	6.2	7.2	6.2	7.2	20	23	20	25
F 41 2_18.9	18.9	—	—	—	—	—	—	—	—	5.8	6.3	5.7	6.7	5.7	6.7	20	23	20	25
F 41 2_24.1	24.1	—	—	—	—	4.9	5.4	4.9	5.4	4.9	5.4	4.8	5.8	4.8	5.8	19	22	19	24
F 41 2_30.1	30.1	—	—	—	—	4.3	4.8	4.3	4.8	4.3	4.8	4.2	5.2	4.2	5.2	18	21	18	23
F 41 2_38.2	38.2	—	—	—	—	3.8	4.2	3.8	4.2	3.7	4.2	3.6	4.6	3.6	4.6	18	20	17	22
F 41 2_47.9	47.9	—	—	—	—	3.5	3.9	3.5	3.9	3.4	3.9	3.3	4.3	3.3	4.3	18	20	17	22
F 41 3_51.5	51.5	—	—	—	—	—	—	—	—	5.7	6.2	5.6	6.6	5.6	6.6	20	22	19	24
F 41 3_60.2	60.2	—	—	—	—	—	—	—	—	4.9	5.4	4.7	5.7	4.7	5.7	19	22	19	24
F 41 3_66.5	66.5	—	—	—	—	—	—	—	—	4.7	5.2	4.5	5.5	4.5	5.5	19	21	18	23
F 41 3_84.9	84.9	—	—	—	—	4.2	4.7	4.2	4.7	4.2	4.7	4.0	5.0	4.0	5.0	18	21	18	23
F 41 3_106.0	106.0	—	—	—	—	3.9	4.4	3.9	4.4	3.8	4.3	3.7	4.7	3.7	4.7	18	21	18	23
F 41 3_134.4	134.4	—	—	—	—	3.5	3.9	3.5	3.9	3.4	3.9	3.3	4.3	3.3	4.3	18	20	17	22
F 41 3_168.7	168.7	—	—	—	—	3.3	3.7	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1	17	20	17	22
F 41 3_180.7	180.7	—	—	—	—	3.3	3.7	3.3	3.7	3.2	3.7	3.1	4.1	3.1	4.1	—	—	—	—
F 41 3_198.9	198.9	—	—	—	—	3.2	3.6	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0	—	—	—	—
F 41 3_220.1	220.1	—	—	—	—	3.2	3.6	3.2	3.6	3.1	3.6	3.0	4.0	3.0	4.0	—	—	—	—
F 41 3_240.1	240.1	—	—	—	—	3.1	3.6	3.1	3.6	3.1	3.6	2.9	3.9	2.9	3.9	—	—	—	—
F 41 3_266.9	266.9	—	—	—	—	3.1	3.5	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9	—	—	—	—
F 41 3_296.6	296.6	—	—	—	—	3.1	3.5	3.1	3.5	3.0	3.5	2.9	3.9	2.9	3.9	—	—	—	—
F 41 3_344.8	344.8	—	—	—	—	3.0	3.4	3.0	3.4	2.9	3.4	2.8	3.8	2.8	3.8	—	—	—	—
F 41 4_433.7	433.7	0.48	0.74	0.50	0.94	—	—	3.0	3.5	3.0	3.5	2.8	3.8	—	—	—	—	—	—
F 41 4_549.8	549.8	0.46	0.72	0.48	0.92	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_690.1	690.1	0.45	0.71	0.47	0.91	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_739.4	739.4	0.44	0.70	0.46	0.90	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_813.8	813.8	0.44	0.70	0.46	0.90	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_900.5	900.5	0.44	0.70	0.46	0.90	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_982.4	982.4	0.44	0.70	0.46	0.90	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_1092	1092	0.43	0.69	0.45	0.89	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_1213	1213	0.43	0.69	0.45	0.89	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—
F 41 4_1411	1411	0.43	0.69	0.45	0.89	—	—	3.0	3.4	2.9	3.4	2.8	3.8	—	—	—	—	—	—



F 51

	i		J (•10^{-4}) [kgm^2]									
			IEC 63	71	80	90	100	112	132	160	180	
F 51 2_7.2	7.2	25	—	—	28	28	30	30	42	101	103	34
F 51 2_9.1	9.1	17	—	—	20	19	22	22	33	92	94	26
F 51 2_11.1	11.1	16	—	—	19	19	22	22	33	92	94	25
F 51 2_14.0	14.0	11	—	—	14	14	17	17	28	87	89	20
F 51 2_18.8	18.8	7.0	—	—	9.8	9.6	12	12	24	83	85	16
F 51 2_23.8	23.8	4.5	—	—	7.3	7.2	9.9	9.9	21	80	82	13
F 51 2_30.0	30.0	3.1	3.8	3.8	5.9	5.8	8.5	8.5	20	79	81	12
F 51 2_37.1	37.1	2.2	3.0	3.0	5.0	4.9	7.6	7.6	19	78	80	11
F 51 3_48.9	48.9	6.2	—	—	8.9	8.8	12	12	23	82	84	15
F 51 3_65.8	65.8	4.2	—	—	6.9	6.8	9.6	9.6	21	80	82	13
F 51 3_83.2	83.2	2.7	—	—	5.5	5.4	8.1	8.1	19	78	80	12
F 51 3_105.1	105.1	2.0	2.7	2.7	4.8	4.6	7.4	7.4	19	78	80	11
F 51 3_129.9	129.9	1.5	2.2	2.2	4.3	4.1	6.9	6.9	18	77	79	10
F 51 3_165.6	165.6	0.95	1.7	1.7	3.7	3.6	6.3	6.3	17	76	78	9.7
F 51 3_202.4	202.4	0.72	1.4	1.4	3.5	3.3	6.1	6.1	17	76	78	9.5
F 51 3_216.9	216.9	0.64	1.4	1.3	3.4	3.3	6.0	6.0	—	—	—	9.4
F 51 3_239.8	239.8	0.60	1.3	1.3	3.4	3.2	6.0	6.0	—	—	—	9.4
F 51 3_262.1	262.1	0.53	1.3	1.3	3.3	3.2	5.9	5.9	—	—	—	9.3
F 51 3_285.9	285.9	0.46	1.2	1.2	3.2	3.1	5.8	5.8	—	—	—	9.2
F 51 3_317.3	317.3	0.39	1.1	1.1	3.2	3.0	5.8	5.8	—	—	—	9.2
F 51 3_352.5	352.5	0.28	1.1	1.1	3.1	3.0	5.7	5.7	—	—	—	9.1
F 51 4_429.1	429.1	0.36	1.1	1.1	3.1	3.0	5.7	5.7	18	—	—	2.4
F 51 4_530.5	530.5	0.33	1.1	1.0	3.1	3.0	5.7	5.7	18	—	—	2.4
F 51 4_676.3	676.3	0.30	1.0	1.0	3.1	2.9	5.7	5.7	18	—	—	2.4
F 51 4_826.4	826.4	0.28	1.0	1.0	3.0	2.9	5.7	5.7	18	—	—	2.3
F 51 4_885.5	885.5	0.28	1.0	1.0	3.0	2.9	5.7	5.7	—	—	—	2.3
F 51 4_979.4	979.4	0.28	1.0	1.0	3.0	2.9	5.7	5.7	—	—	—	2.3
F 51 4_1070	1070	0.27	1.0	1.0	3.0	2.9	5.6	5.6	—	—	—	2.3
F 51 4_1168	1168	0.27	1.0	1.0	3.0	2.9	5.6	5.6	—	—	—	2.3
F 51 4_1296	1296	0.26	1.0	1.0	3.0	2.9	5.6	5.6	—	—	—	2.3
F 51 4_1439	1439	0.26	1.0	1.0	3.0	2.9	5.6	5.6	—	—	—	2.3

F 51

	i	**J** (•10^{-4}) [kgm^2] SERVO											
		80B		**95A**		**80C 95B 110A**		**95C 110B 130A**		**130B 180A**		**180B**	
		SK	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**
F 51 2_7.2	7.2	—	—	—	—	28	29	28	23	42	44	42	47
F 51 2_9.1	9.1	—	—	—	—	20	21	19	20	34	36	33	38
F 51 2_11.1	11.1	—	—	—	—	19	20	19	20	33	35	33	38
F 51 2_14.0	14.0	—	—	—	—	14	15	14	15	28	30	28	33
F 51 2_18.8	18.8	—	—	—	—	9.8	10	9.6	11	24	26	24	29
F 51 2_23.8	23.8	—	—	—	—	7.3	7.8	7.2	8.2	21	24	21	26
F 51 2_30.0	30.0	5.9	6.4	5.9	6.4	5.9	6.4	5.8	6.8	20	23	20	25
F 51 2_37.1	37.1	5.0	5.5	5.0	5.5	5.0	5.5	4.9	5.9	19	22	19	24
F 51 3_48.9	48.9	—	—	—	—	8.9	9.4	8.8	9.8	23	26	23	28
F 51 3_65.8	65.8	—	—	—	—	6.9	7.4	6.8	7.8	21	24	21	26
F 51 3_83.2	83.2	—	—	—	—	5.5	6.0	5.4	6.4	20	22	19	24
F 51 3_105.1	105.1	4.8	5.3	4.8	5.3	4.8	5.3	4.6	5.6	19	21	19	24
F 51 3_129.9	129.9	4.3	4.8	4.3	4.8	4.3	4.8	4.1	5.1	18	21	18	23
F 51 3_165.6	165.6	3.8	4.2	3.8	4.2	3.7	4.2	3.6	4.6	18	20	17	22
F 51 3_202.4	202.4	3.5	4.0	3.5	4.0	3.5	4.0	3.3	4.3	18	20	17	22
F 51 3_216.9	216.9	3.5	3.9	3.5	3.9	3.4	3.9	3.3	4.3	—	—	—	—
F 51 3_239.8	239.8	3.4	3.9	3.4	3.9	3.4	3.9	3.2	4.2	—	—	—	—
F 51 3_262.1	262.1	3.4	3.8	3.4	3.8	3.3	3.8	3.2	4.2	—	—	—	—
F 51 3_285.9	285.9	3.3	3.7	3.3	3.7	3.2	3.7	3.1	4.1	—	—	—	—
F 51 3_317.3	317.3	3.2	3.6	3.2	3.6	3.2	3.7	3.0	4.0	—	—	—	—
F 51 3_352.5	352.5	3.1	3.5	3.1	3.5	3.1	3.6	3.0	4.0	—	—	—	—
F 51 4_429.1	429.1	—	—	3.2	3.6	3.1	3.6	3.0	4.0	—	—	—	—
F 51 4_530.5	530.5	—	—	3.2	3.6	3.1	3.6	3.0	4.0	—	—	—	—
F 51 4_676.3	676.3	—	—	3.1	3.6	3.1	3.6	2.9	3.9	—	—	—	—
F 51 4_826.4	826.4	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—
F 51 4_885.5	885.5	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—
F 51 4_979.4	979.4	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—
F 51 4_1070	1070	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—
F 51 4_1168	1168	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—
F 51 4_1296	1296	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—
F 51 4_1439	1439	—	—	3.1	3.5	3.0	3.5	2.9	3.9	—	—	—	—

F 60

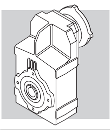
	i	**J** ($\cdot 10^{-4}$) [kgm^2]										
			IEC									
			63	**71**	**80**	**90**	**100**	**112**	**132**	**160**	**180**	
F 60 3_9.0	9.0	40	—	—	—	—	—	—	59	118	116	61
F 60 3_9.7	9.7	38	—	—	—	—	—	—	57	116	114	59
F 60 3_11.8	11.8	25	—	—	28	28	29	29	44	103	101	46
F 60 3_12.7	12.7	24	—	—	27	27	28	28	43	102	100	45
F 60 3_14.5	14.5	18	—	—	21	20	22	22	37	96	94	39
F 60 3_15.7	15.7	17	—	—	20	20	21	21	36	95	93	38
F 60 3_19.1	19.1	10	—	—	13	13	14	14	29	89	86	31
F 60 3_20.7	20.7	9.9	—	—	13	13	14	14	29	88	86	31
F 60 3_23.5	23.5	7.3	—	—	10	10	11	11	26	86	83	28
F 60 3_25.4	25.4	7.1	—	—	9.9	9.9	11	11	26	85	83	28
F 60 3_29.6	29.6	15	—	—	—	—	—	—	34	93	91	36
F 60 3_32.1	32.1	15	—	—	—	—	—	—	34	93	91	36
F 60 3_38.8	38.8	11	—	—	14	13	15	15	30	89	87	32
F 60 3_42.1	42.1	11	—	—	13	13	15	15	29	89	87	31
F 60 3_47.8	47.8	8.2	—	—	11	11	12	12	27	86	84	29
F 60 3_51.8	51.8	8.1	—	—	11	11	12	12	27	86	84	29
F 60 3_63.0	63.0	4.9	—	—	7.7	7.6	8.9	8.9	24	83	81	26
F 60 3_68.3	68.3	4.8	—	—	7.7	7.6	8.9	8.9	24	83	81	26
F 60 3_77.6	77.6	3.7	—	—	6.6	6.5	7.8	7.8	23	82	80	25
F 60 3_84.0	84.0	3.7	—	—	6.5	6.5	7.8	7.8	23	82	80	25
F 60 3_98.2	98.2	2.7	4.2	4.2	5.6	5.5	6.8	6.8	22	81	79	24
F 60 3_106.4	106.4	2.7	4.2	4.2	5.5	5.4	6.8	6.8	22	81	79	24
F 60 3_120.5	120.5	1.8	3.2	3.2	4.6	4.6	5.9	5.9	21	80	78	23
F 60 3_130.5	130.5	1.8	3.2	3.2	4.6	4.6	5.8	5.8	21	80	78	23
F 60 3_150.4	150.4	1.3	2.7	2.7	4.1	4.1	5.4	5.4	20	80	77	22
F 60 3_162.9	162.9	1.3	2.7	2.7	4.1	4.1	5.4	5.4	20	80	77	22
F 60 3_185.9	185.9	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	79	77	22
F 60 3_201.4	201.4	0.90	2.4	2.4	3.8	3.7	5.0	5.0	20	79	77	22
F 60 3_217.6	217.6	0.70	2.2	2.2	3.6	3.5	4.8	4.8	—	—	—	22
F 60 3_235.8	235.8	0.70	2.2	2.2	3.6	3.5	4.8	4.8	—	—	—	22
F 60 3_259.1	259.1	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	22
F 60 3_280.7	280.7	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	22

Per i valori dei momenti d'inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

F 60

	i	**J** ($\cdot 10^{-4}$) [kgm^2] SERVO									
		95A		**80C 95B 110A**		**95C 110B 130A**		**130B 180A**		**180B**	
		SK	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**	**SK**	**SC**
F 60 3_9.0	9.0	—	—	—	—	—	—	57	59	59	64
F 60 3_9.7	9.7	—	—	—	—	—	—	55	57	57	62
F 60 3_11.8	11.8	—	—	28	29	28	29	42	44	44	49
F 60 3_12.7	12.7	—	—	27	28	27	28	41	43	43	48
F 60 3_14.5	14.5	—	—	21	22	20	21	35	37	37	42
F 60 3_15.7	15.7	—	—	20	21	20	21	34	36	36	41
F 60 3_19.1	19.1	—	—	13	14	13	14	27	29	29	34
F 60 3_20.7	20.7	—	—	13	14	13	14	27	29	29	34
F 60 3_23.5	23.5	—	—	10	11	10	11	24	27	26	31
F 60 3_25.4	25.4	—	—	9.9	10	9.9	11	24	27	26	31
F 60 3_29.6	29.6	—	—	—	—	—	—	32	34	34	39
F 60 3_32.1	32.1	—	—	—	—	—	—	32	34	34	39
F 60 3_38.8	38.8	—	—	14	15	13	14	28	30	30	35
F 60 3_42.1	42.1	—	—	13	14	13	14	28	30	29	34
F 60 3_47.8	47.8	—	—	11	12	11	12	25	28	27	32
F 60 3_51.8	51.8	—	—	11	12	11	12	25	28	27	32
F 60 3_63.0	63.0	—	—	7.7	8.2	7.6	8.6	22	24	24	29
F 60 3_68.3	68.3	—	—	7.7	8.2	7.6	8.6	22	24	24	29
F 60 3_77.6	77.6	—	—	6.6	7.1	6.5	7.5	21	23	23	28
F 60 3_84.0	84.0	—	—	6.5	7.0	6.5	7.5	21	23	23	28
F 60 3_98.2	98.2	—	—	5.6	6.1	5.5	6.5	20	22	22	27
F 60 3_106.4	106.4	5.5	6.0	5.5	6.0	5.4	6.4	20	22	22	27
F 60 3_120.5	120.5	2.2	2.7	4.6	5.1	4.6	5.6	19	21	21	26
F 60 3_130.5	130.5	2.2	2.7	4.6	5.1	4.6	5.6	19	21	21	26
F 60 3_150.4	150.4	4.1	4.6	4.1	4.6	4.1	5.1	18	21	20	25
F 60 3_162.9	162.9	4.1	4.6	4.1	4.6	4.1	5.1	18	21	20	25
F 60 3_185.9	185.9	3.7	4.2	3.8	4.3	3.7	4.7	18	20	20	25
F 60 3_201.4	201.4	3.7	4.2	3.8	4.3	3.7	4.7	18	20	20	25
F 60 3_217.6	217.6	3.5	4.0	3.6	4.1	3.5	4.5	—	—	—	—
F 60 3_235.8	235.8	3.5	4.0	3.6	4.1	3.5	4.5	—	—	—	—
F 60 3_259.1	259.1	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—
F 60 3_280.7	280.7	3.3	3.8	3.4	3.9	3.3	4.3	—	—	—	—

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.



F 70

	i	J (•10-4) [kgm2]									
			IEC								
			80	90	100	112	132	160	180	200	
F 70 3_10.0	10.0	—	—	—	—	—	—	169	167	176	133
F 70 3_10.9	10.9	—	—	—	—	—	—	166	163	173	129
F 70 3_12.8	12.8	—	—	—	—	—	—	139	137	146	102
F 70 3_13.9	13.9	—	—	—	—	—	—	137	135	144	100
F 70 3_16.3	16.3	39	—	—	—	—	58	117	115	124	80
F 70 3_17.7	17.7	37	—	—	—	—	56	116	113	123	79
F 70 3_20.9	20.9	26	—	—	—	—	45	105	102	—	68
F 70 3_22.6	22.6	26	—	—	—	—	44	104	102	—	67
F 70 3_24.6	24.6	21	—	—	—	—	40	99	97	—	62
F 70 3_27.7	27.7	—	—	—	—	—	—	128	126	135	73
F 70 3_30.0	30.0	—	—	—	—	—	—	127	125	134	73
F 70 3_35.4	35.4	—	—	—	—	—	—	114	112	121	77
F 70 3_38.4	38.4	—	—	—	—	—	—	114	111	121	77
F 70 3_45.2	45.2	23	—	—	—	—	42	101	99	108	65
F 70 3_49.0	49.0	23	—	—	—	—	42	101	99	108	65
F 70 3_57.7	57.7	17	—	—	—	—	36	95	93	—	58
F 70 3_62.5	62.5	17	—	—	—	—	36	95	93	—	58
F 70 3_67.9	67.9	14	—	—	—	—	33	92	90	—	55
F 70 3_73.6	73.6	14	—	—	—	—	33	92	90	—	55
F 70 3_85.4	85.4	9.0	11	11	13	13	28	87	85	—	50
F 70 3_92.5	92.5	9.0	11	11	13	13	28	87	85	—	50
F 70 3_101.2	101.2	6.3	8.9	8.8	10	10	25	85	82	—	47
F 70 3_109.6	109.6	6.3	8.9	8.8	10	10	25	85	82	—	47
F 70 3_122.7	122.7	5.1	7.9	7.8	9.1	9.1	24	83	81	—	46
F 70 3_133.0	133.0	5.1	7.9	7.8	9.1	9.1	24	83	81	—	46
F 70 3_153.8	153.8	3.2	6.0	6.0	7.3	7.3	22	81	79	—	44
F 70 3_166.7	166.7	3.2	6.0	6.0	7.3	7.3	22	81	79	—	44
F 70 3_180.9	180.9	2.3	5.1	5.1	6.3	6.3	21	81	78	—	43
F 70 3_196.0	196.0	2.3	5.1	5.0	6.3	6.3	21	81	78	—	43

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

F 80

	i	J (•10-4) [kgm2]										
			IEC									
			80	90	100	112	132	160	180	200	225	
F 80 3_10.3	10.3	—	—	—	—	—	—	—	286	300	578	252
F 80 3_11.2	11.2	—	—	—	—	—	—	—	277	291	569	244
F 80 3_12.9	12.9	—	—	—	—	—	—	217	218	231	509	184
F 80 3_14.0	14.0	—	—	—	—	—	—	212	212	226	504	178
F 80 3_16.2	16.2	—	—	—	—	—	—	173	171	180	464	136
F 80 3_17.6	17.6	—	—	—	—	—	—	170	167	177	461	133
F 80 3_20.3	20.3	60	—	—	—	—	79	139	136	146	431	102
F 80 3_22.0	22.0	58	—	—	—	—	77	136	134	143	429	100
F 80 3_25.2	25.2	43	—	—	—	—	62	121	119	150	413	84
F 80 3_28.8	28.8	—	—	—	—	—	—	—	189	203	480	155
F 80 3_31.3	31.3	—	—	—	—	—	—	—	188	201	479	154
F 80 3_36.0	36.0	—	—	—	—	—	—	155	155	169	447	121
F 80 3_39.0	39.0	—	—	—	—	—	—	154	154	168	446	121
F 80 3_45.3	45.3	—	—	—	—	—	—	133	132	141	425	97
F 80 3_49.1	49.1	—	—	—	—	—	—	133	131	140	425	97
F 80 3_56.7	56.7	35	—	—	—	—	54	113	111	120	406	77
F 80 3_61.5	61.5	35	—	—	—	—	54	113	111	120	406	76
F 80 3_70.4	70.4	27	—	—	—	—	46	105	103	133	397	68
F 80 3_76.3	76.3	27	—	—	—	—	45	105	103	133	396	68
F 80 3_85.2	85.2	20	—	—	—	—	39	99	96	126	389	62
F 80 3_92.3	92.3	20	—	—	—	—	39	99	96	126	389	61
F 80 3_105.0	105.0	14	16	16	17	17	32	92	90	119	383	55
F 80 3_113.8	113.8	14	16	16	17	17	32	92	90	119	382	55
F 80 3_122.5	122.5	13	15	15	17	17	32	91	89	118	381	54
F 80 3_132.7	132.7	13	15	15	16	16	31	91	89	118	381	54
F 80 3_147.9	147.9	8.5	11	11	13	13	27	87	85	114	377	50
F 80 3_160.2	160.2	8.5	11	11	13	13	27	87	84	—	—	50
F 80 3_184.6	184.6	5.1	7.9	7.8	9.1	9.1	24	83	81	—	—	46
F 80 3_200.0	200.0	5.0	7.9	7.8	9.1	9.1	24	83	81	—	—	46

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

F 90

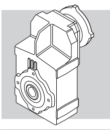
	i	J (•10-4) [kgm2]											
			IEC										
			80	90	100	112	132	160	180	200	225	250	
F 90 3_10.3	10.3	—	—	—	—	—	—	—	549	559	843	870	850
F 90 3_11.1	11.1	—	—	—	—	—	—	—	529	539	823	850	830
F 90 3_13.4	13.4	—	—	—	—	—	—	—	373	383	667	694	674
F 90 3_14.5	14.5	—	—	—	—	—	—	—	361	371	655	682	662
F 90 3_16.5	16.5	—	—	—	—	—	—	—	286	296	580	607	587
F 90 3_17.9	17.9	—	—	—	—	—	—	—	278	288	572	599	579
F 90 3_20.6	20.6	—	—	—	—	—	—	224	222	232	516	542	513
F 90 3_22.3	22.3	—	—	—	—	—	—	220	217	227	511	537	508
F 90 3_25.4	25.4	103	—	—	—	—	122	181	179	188	474	500	471
F 90 3_28.6	28.6	—	—	—	—	—	—	—	291	301	585	613	593
F 90 3_31.0	31.0	—	—	—	—	—	—	—	289	299	583	610	590
F 90 3_37.4	37.4	—	—	—	—	—	—	—	222	232	516	543	523
F 90 3_40.5	40.5	—	—	—	—	—	—	—	220	230	514	541	521
F 90 3_46.1	46.1	—	—	—	—	—	—	—	186	196	480	507	487
F 90 3_49.9	49.9	—	—	—	—	—	—	—	185	195	479	506	486
F 90 3_57.3	57.3	—	—	—	—	—	—	161	158	168	452	479	450
F 90 3_62.1	62.1	—	—	—	—	—	—	160	158	167	451	478	449
F 90 3_70.8	70.8	61	—	—	—	—	80	139	137	146	432	458	429
F 90 3_76.7	76.7	60	—	—	—	—	79	139	136	146	431	458	429
F 90 3_88.4	88.4	44	—	—	—	—	63	123	120	151	414	441	412
F 90 3_95.8	95.8	44	—	—	—	—	63	122	120	151	414	441	412
F 90 3_103.3	103.3	41	—	—	—	—	59	119	117	146	410	436	408
F 90 3_111.9	111.9	40	—	—	—	—	59	119	116	146	409	436	407
F 90 3_126.8	126.8	26	29	29	30	30	45	105	102	132	395	422	393
F 90 3_137.3	137.3	26	29	29	30	30	45	104	102	132	395	422	393
F 90 3_150.3	150.3	21	24	24	25	25	40	100	97	127	390	417	388
F 90 3_162.8	162.8	21	24	24	25	25	40	100	97	127	390	417	388
F 90 3_179.2	179.2	14	16	16	18	18	33	92	90	—	—	—	381
F 90 3_194.2	194.2	14	16	16	17	17	33	92	90	—	—	—	381

Per i valori dei momenti d’inerzia relativi ai riduttori a 4 stadi, consultare il ns. Servizio Tecnico.

66 RAPPORTI ESATTI

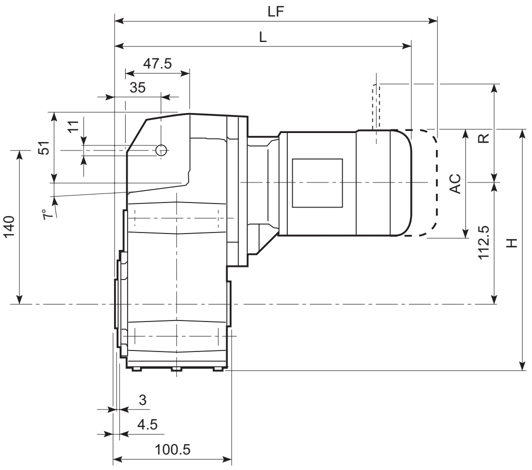
i_N	F 10	F 20	F 25	F 31	F 41	F 51	F 60	F 70	F 80	F 90
6.3		6.41210								
7.1	7.40443		6.86957	6.94907	6.72727	7.19408				
8.0		7.83478	8.39375	8.22917						
9.0	8.58204	8.73227	9.35526	9.01630	9.13580	9.05114	8.96000			
10.0	9.76974	10.03069	10.62451	10.74747			9.70667	10.01538	10.33846	10.26577
11.2	11.53759	11.23370			10.77273	11.11005	11.75320	10.85000	11.20000	11.12125
12.5	13.02632		12.98182	12.72727		13.97796	12.73263	12.81731	12.90240	13.41346
14.0	14.64777	14.79842	14.46890	13.94466	14.62963		14.47385	13.88542	13.97760	14.53125
16.0	16.97738		16.62032	16.80000	17.11667		15.68000	16.34455	16.24615	16.52538
18.0		18.08182	18.61364	18.48804	18.89130	18.82155	19.06872	17.70660	17.60000	17.90250
20.0	19.32692	20.15311	21.81818	21.11230			20.65778	20.86538	20.33231	20.56731
22.4	22.82418	23.14973	23.75758	23.38636		23.79447	23.46381	22.60417	22.02667	22.28125
25.0	25.76923	25.92614	27.20455	27.27273	24.11579		25.41913	24.55695	25.22585	25.38622
28.0	29.63462	30.38961	30.03636	30.12121	30.11875	30.03828	29.61538	27.69231	28.84615	28.61169
31.5	32.98462	33.09091	32.18182	34.36364			32.08333	30.00000	31.25000	30.99600
35.5	35.34066	37.89205	36.41958	37.67273	38.18333	37.13636	38.84771	35.43956	36.00000	37.38462
40.0	39.64497	41.83636	40.72727	40.36364			42.08502	38.39286	39.00000	40.50000
45.0	44.66667	44.82468	45.56607	44.64336	47.92667		47.84024	45.19231	45.32967	46.05785
50.0	48.72727	50.72727	50.78571	47.54630	51.49270	48.89965	51.82692	48.95833	49.10714	49.89600
56.0	56.69231	56.72727	58.33718	52.09420	60.24646		63.02761	57.69231	56.73077	57.32308
63.0	62.99145	61.88430	65.33371	62.76111	66.49275	65.84416	68.27991	62.50000	61.45833	62.10000
71.0	71.12308	69.13636	76.58163	69.06725			77.55467	73.55769	70.38462	70.75385
80.0	81.31624	76.81818	83.38889	78.87092	84.88166	83.24111	84.01756	85.38462	76.25000	76.65000
90.0	91.48077	90.40909	95.48772	87.36632			98.19838	92.50000	92.30769	88.39385
100.0	106.02198	101.63636	105.42738	101.88492	106.01061	105.08407	106.38158	101.18343	105.00000	103.33491
112.2		114.34091	112.95791	112.52623			120.45488	109.61538	113.75000	111.94615
125.5	127.12821	132.19481	127.83242	128.37500	134.39596	129.91558	130.49279	122.72727	122.48521	126.77538
140.0		156.30469	142.95238	140.73704			150.35503	132.95455	132.69231	150.30533
160.0		172.57500	155.94805	166.77778	168.69010	165.62338	162.88462	166.66667	160.22727	162.83077
180.0		184.90179	174.22321	185.43056	180.73939	202.39481	185.89349	180.94406	184.61538	179.21958
200.0		209.25000	193.58135	202.28788	198.92028	216.85158	201.38462	196.02273	200.00000	194.15455
225.0		234.00000	227.83036	228.22222	220.13131	239.84416	217.64679	216.52422	218.49174	213.59178
250.0		255.27273	256.12302	253.58025	240.14325	262.11039	259.08284	234.56790	273.89277	231.39109
280.0		285.18750	288.13839	293.83611	266.93818	285.93861	280.67308	280.93645	296.71717	268.72770
315.0		316.87500	333.13010	332.82407	296.59798	317.26753	315.38899	304.34783	353.67893	291.12168
355.0		372.93750		374.42708	344.79515	352.51948	341.67140	372.46964	383.15217	361.84615
400.0		419.25000	393.88686	418.86023		429.09330	399.34008	403.50877	451.49061	392.00000
450.0		471.65625	434.88795	462.60785	433.67975		432.61842	471.15385	489.11483	457.45099
500.0			465.95137	527.76389			489.84985	510.41667	563.87675	495.57191
560.0		545.30357	527.30872	578.58560	549.80165	530.48864	530.67067	606.83761	610.86648	577.48888
630.0			589.67857	619.91314	690.09587	676.29545	611.44379	657.40741	714.86014	625.61296
710.0			643.28571	685.64198	739.38843	826.44545	755.96686	758.97436	774.43182	713.95030
800.0			718.67076	762.32562	813.76478	885.47727	818.96410	822.22222	897.27273	773.44615
900.0			798.52307	831.62795	900.53719	979.36364	885.09695	899.40828	972.04545	910.18225
1000.0			939.80022	938.24691	982.40421	1070.28409	958.85503	974.35897	1058.06885	986.03077
1125.0			1056.50744	1042.49657	1092.01983	1167.58264	1053.60355	1090.90909	1146.24126	1112.25941
1250.0			1188.57087	1207.99290	1213.35537	1295.50909	1141.40385	1181.81818	1277.33630	1204.94769
1400.0			1374.16167	1368.27675	1410.52562	1439.45455		1367.52137	1383.78099	1427.90059
1600.0				1539.31134				1584.61538	1577.62238	1571.37386
1800.0								1716.66667	1709.09091	1702.32168
2000.0								2019.23077	1833.98601	1937.26864
2250.0								2187.50000	1986.81818	2098.70769

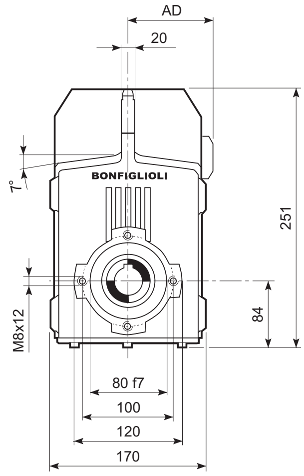
2x 3x 4x



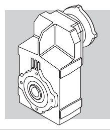
67 DIMENSIONI

F 10...M/ME

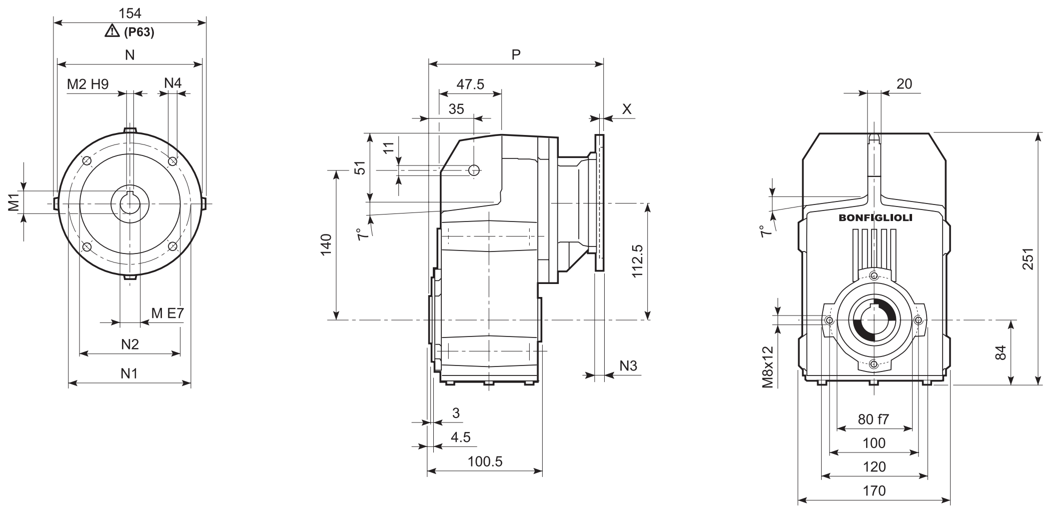




								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 10 2	**S05**	**M05**	121	220.5	311.5	95	12	377.5	13	96	122	116	95
F 10 2	**S1**	**M1**	138	265.5	340.5	108	14	401.5	17	103	135	124	108
F 10 2	**S2**	**ME2S**	156	274.5	369.5	119	18	—	—	—	—	—	—
F 10 2	**S3**	**ME3S**	195	294	412.5	142	22	—	—	—	—	—	—
F 10 2	**S3**	**ME3L**	195	294	444.5	142	24	—	—	—	—	—	—

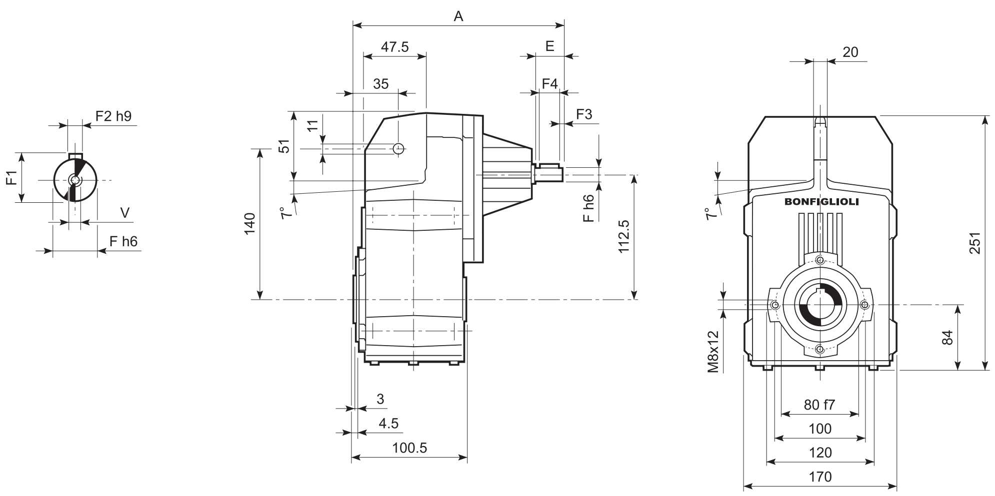


F 10...P(IEC)

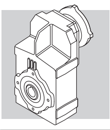


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 10 2	P63	11	12.8	4	140	115	95	—	M8x19	4	185.5	8
F 10 2	P71	14	16.3	5	160	130	110	—	M8x16	4.5	185.5	8
F 10 2	P80	19	21.8	6	200	165	130	—	M10x12	4	205	9
F 10 2	P90	24	27.3	8	200	165	130	—	M10x12	4	205	9
F 10 2	P100	28	31.3	8	250	215	180	—	M12x16	4.5	215	13
F 10 2	P112	28	31.3	8	250	215	180	—	M12x16	4.5	215	13

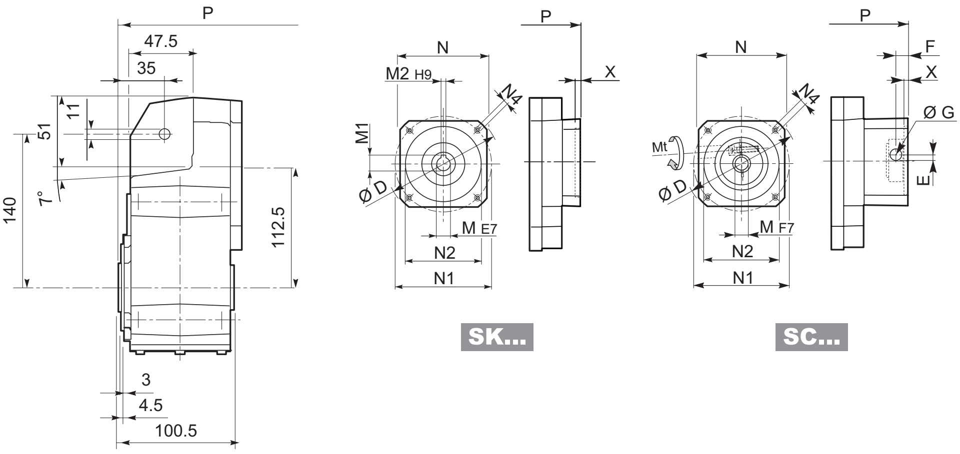
F 10...HS



		A	E	F	F1	F2	F3	F4	V	Kg
F 10 2	HS	192	40	16	18	5	2.5	35	M6x16	7.5



F 10...SK / SC

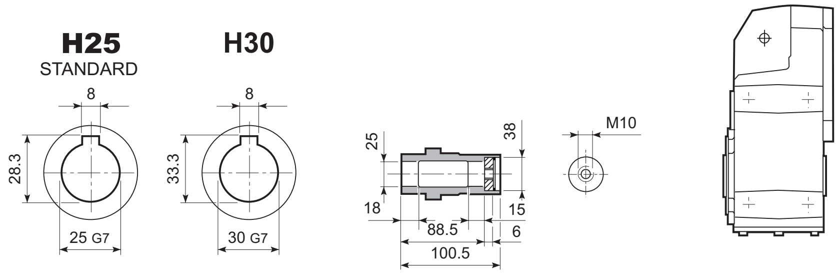


		D	M	M1	M2	N	N1	N2	N4	X	P	Kg
F 10 2	**SK 60A**	102	11	12.8	4	82	75	60	M5x10	3.5	157	8
F 10 2	**SK 60B**	102	14	16.3	5	82	75	60	M5x10	4	164	8
F 10 2	**SK 80A**	115	14	16.3	5	90	100	80	M6x12	4	164	8
F 10 2	**SK 80C**	120	19	21.8	6	96	100	80	M6x12	4	205	9
F 10 2	**SK 95A**	130	14	16.3	5	102	115	95	M8x12	4	205	9
F 10 2	**SK 95B**	130	19	21.8	6	102	115	95	M8x12	4	205	9
F 10 2	**SK 95C**	130	24	27.3	8	102	115	95	M8x12	4	205	9
F 10 2	**SK 110A**	150	19	21.8	6	120	130	110	M8x12	5	205	9
F 10 2	**SK 110B**	150	24	27.3	8	120	130	110	M8x12	5	205	9

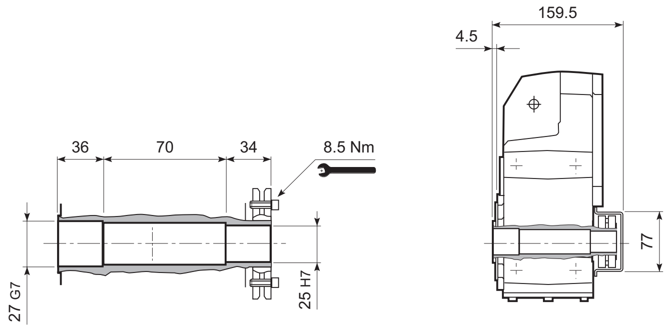
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	P	Kg
F 10 2	**SC 60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	184	8
F 10 2	**SC 60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	184	9
F 10 2	**SC 80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	184	9
F 10 2	**SC 80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	228.5	10
F 10 2	**SC 95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	228.5	10
F 10 2	**SC 95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	228.5	10
F 10 2	**SC 95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	228.5	10
F 10 2	**SC 110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	228.5	11
F 10 2	**SC 110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	228.5	11

F 10

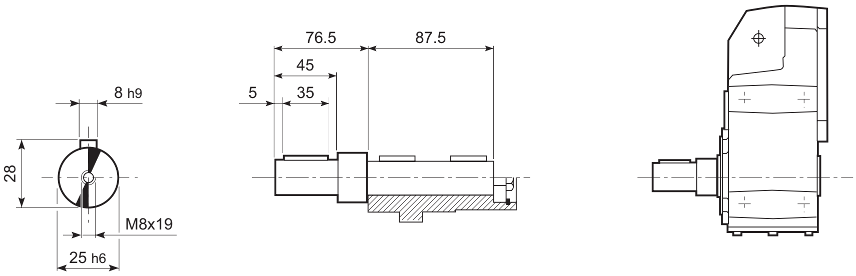
F 10...H



F 10...S

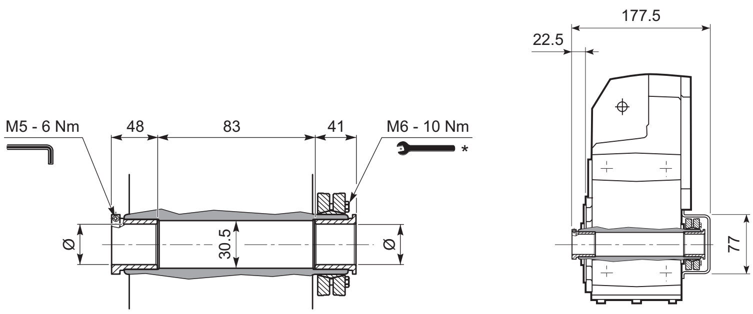


F 10...R

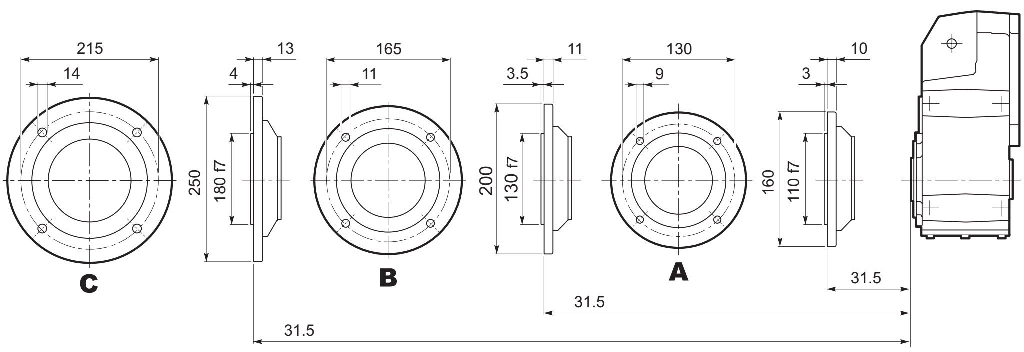


F 10...QF

	Ø
QF25	25
QF30	30

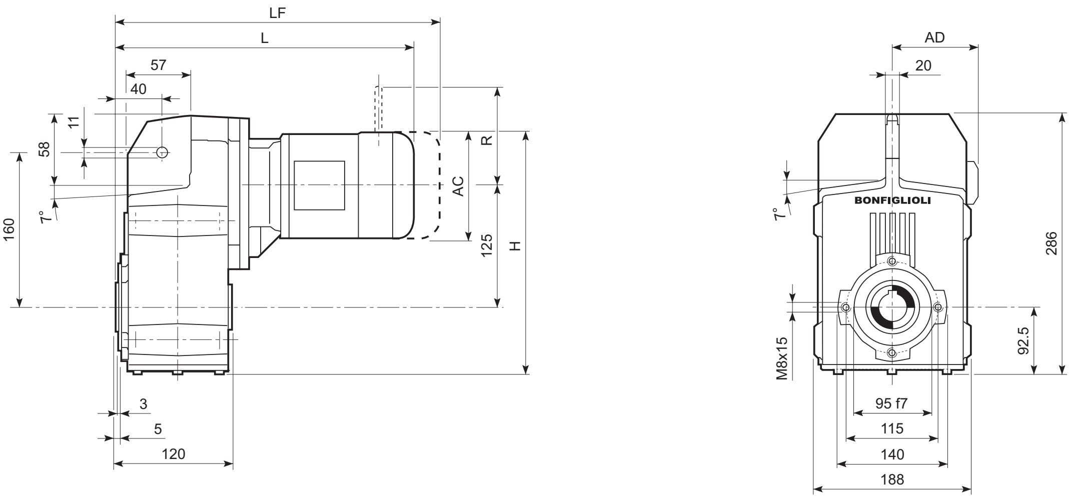


F 10...F...

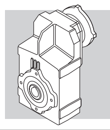


* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

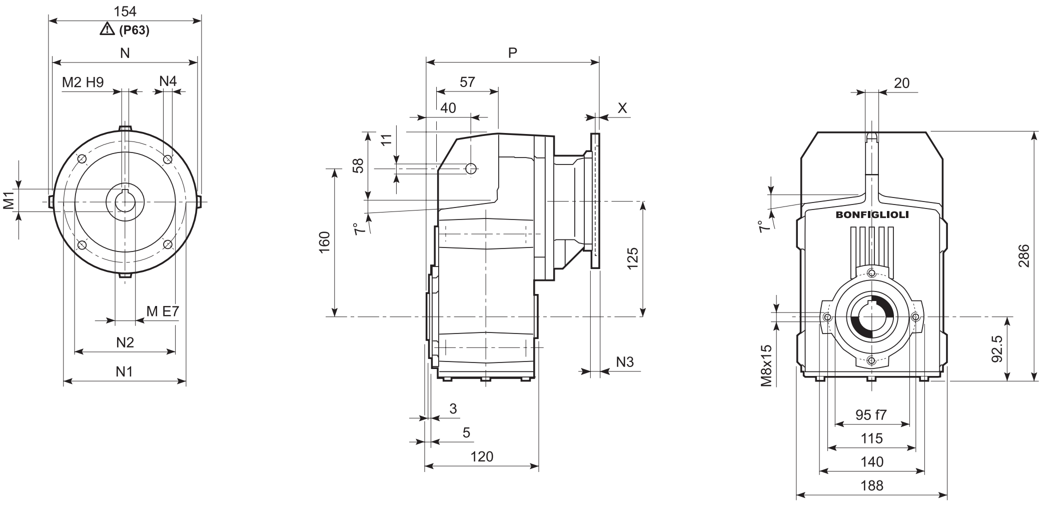
F 20...M/ME



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 20 2	S05	M05	121	278.2	323.5	95	15	389.5	17	96	122	116	95
F 20 2	S1	M1	138	286.7	352.5	108	17	413.5	20	103	135	124	108
F 20 2	S2	ME2S	156	295.7	381.5	119	21	—	—	—	—	—	—
F 20 2	S3	ME3S	195	315.2	424.5	142	26	—	—	—	—	—	—
F 20 2	S3	ME3L	195	315.2	456.5	142	33	—	—	—	—	—	—
F 20 3	S05	M05	121	278.2	379	95	17	445	18	96	122	116	95
F 20 3	S1	M1	138	286.7	408	108	19	469	21	103	135	124	108
F 20 3	S2	ME2S	156	295.7	437	119	22	—	—	—	—	—	—
F 20 3	S3	ME3S	195	315.2	480	142	27	—	—	—	—	—	—
F 20 3	S3	ME3L	195	315.2	512	142	34	—	—	—	—	—	—

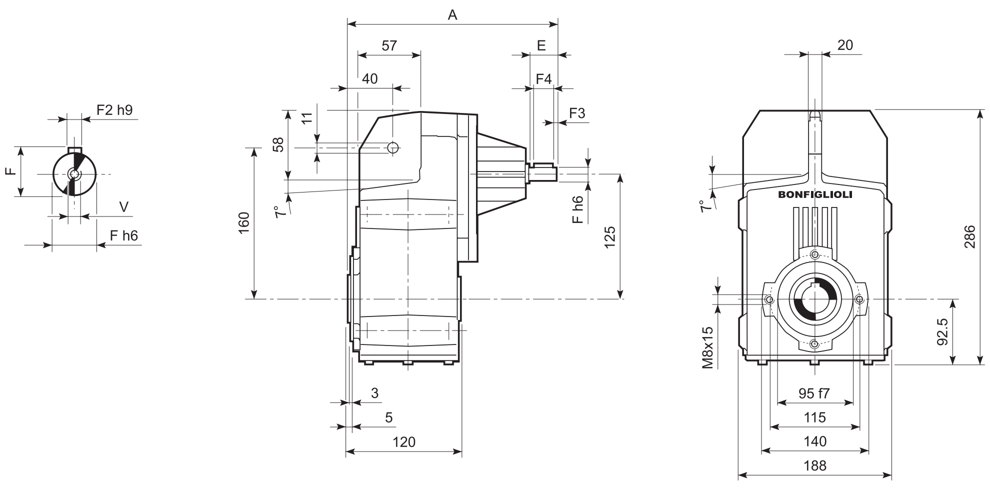


F 20...P(IEC)

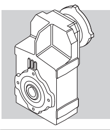


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 20 2	P63	11	12.8	4	140	115	95	—	M8x19	4	197.5	12
F 20 2	P71	14	16.3	5	160	130	110	—	M8x16	4.5	197.5	12
F 20 2	P80	19	21.8	6	200	165	130	—	M10x12	4	217	13
F 20 2	P90	24	27.3	8	200	165	130	—	M10x12	4	217	12
F 20 2	P100	28	31.3	8	250	215	180	—	M12x16	4.5	227	16
F 20 2	P112	28	31.3	8	250	215	180	—	M12x16	4.5	227	16
F 20 3	P63	11	12.8	4	140	115	95	—	M8x19	4	253	13
F 20 3	P71	14	16.3	5	160	130	110	—	M8x16	4.5	253	13
F 20 3	P80	19	21.8	6	200	165	130	—	M10x12	4	272.5	14
F 20 3	P90	24	27.3	8	200	165	130	—	M10x12	4	272.5	14
F 20 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	282.5	18
F 20 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	282.5	18

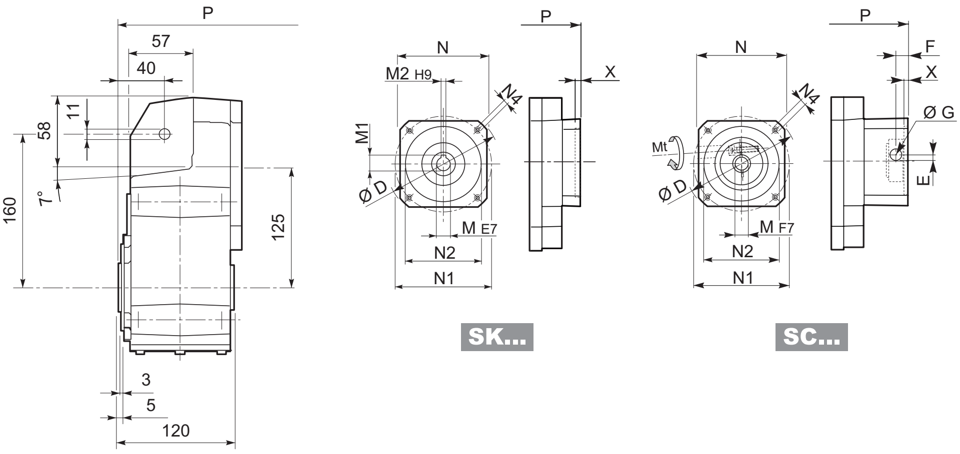
F 20...HS



		A	E	F	F1	F2	F3	F4	V	Kg
F 20 2	HS	247.5	40	19	21.5	6	2.5	35	M6x16	11.5
F 20 3		260	40	16	18	5	2.5	35	M6x16	12.4



F 20...SK / SC

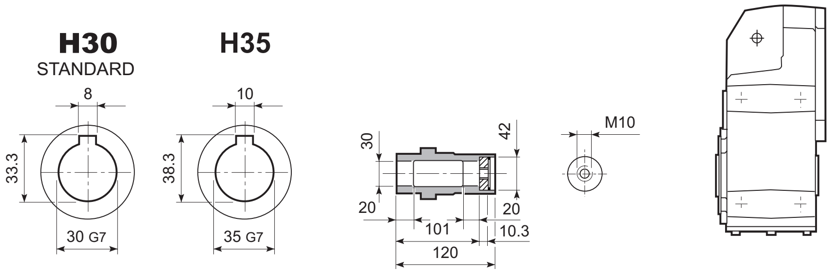


		D	M	M1	M2	N	N1	N2	N4	X	2x P	2x Kg	3x P	3x Kg
F 20 2/3	SK 60A	102	11	12.8	4	82	75	60	M5x10	3.5	169	11	224.5	12
F 20 2/3	SK 60B	102	14	16.3	5	82	75	60	M5x10	4	176	12	231.5	13
F 20 2/3	SK 80A	115	14	16.3	5	90	100	80	M6x12	4	217	12	231.5	13
F 20 2/3	SK 80C	120	19	21.8	6	96	100	80	M6x12	4	217	13	272.5	14
F 20 2/3	SK 95A	130	14	16.3	5	102	115	95	M8x12	4	217	13	272.5	14
F 20 2/3	SK 95B	130	19	21.8	6	102	115	95	M8x12	4	217	13	272.5	14
F 20 2/3	SK 95C	130	24	27.3	8	102	115	95	M8x12	4	217	13	272.5	14
F 20 2/3	SK 110A	150	19	21.8	6	120	130	110	M8x12	5	217	13	272.5	14
F 20 2/3	SK 110B	150	24	27.3	8	120	130	110	M8x12	5	217	13	272.5	14

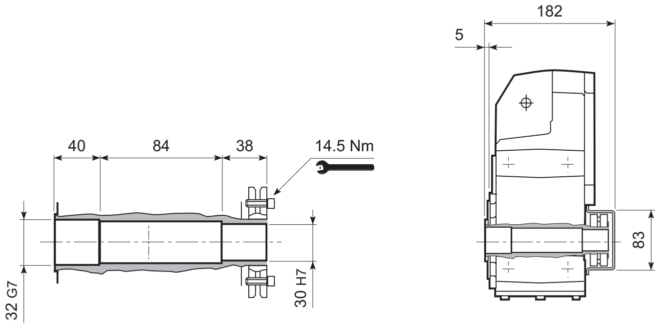
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	2x P	2x Kg	3x P	3x Kg
F 20 2/3	SC 60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	196	12	251.5	13
F 20 2/3	SC 60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	196	13	251.5	14
F 20 2/3	SC 80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	196	13	251.5	14
F 20 2/3	SC 80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	240.5	14	296	15
F 20 2/3	SC 95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	240.5	14	296	15
F 20 2/3	SC 95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	240.5	14	296	15
F 20 2/3	SC 95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	240.5	14	296	15
F 20 2/3	SC 110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	240.5	15	296	16
F 20 2/3	SC 110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	240.5	15	296	16

F 20

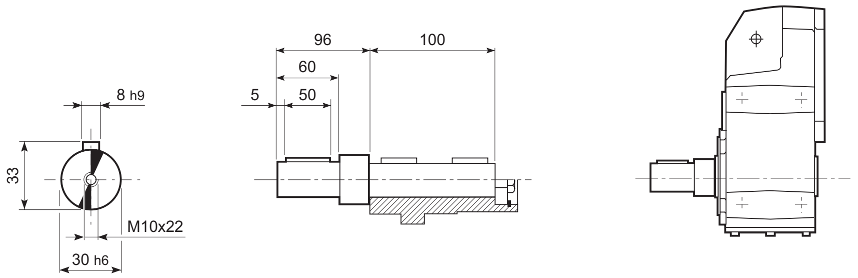
F 20...H



F 20...S

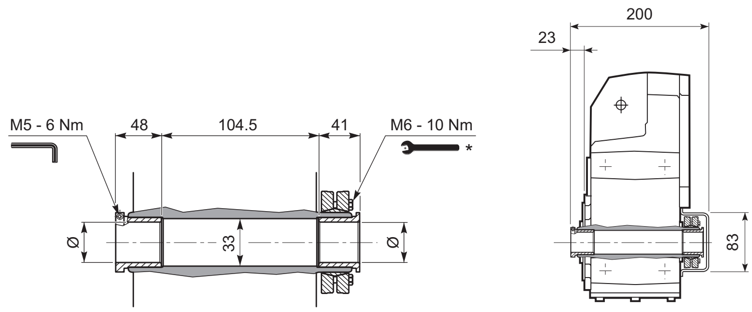


F 20...R

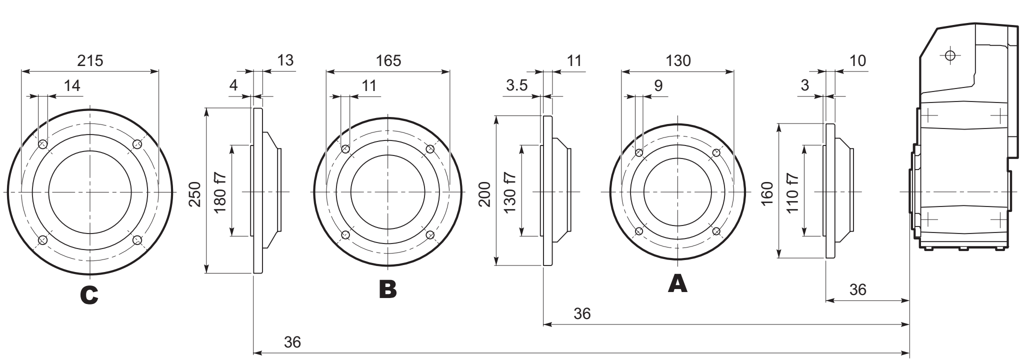


F 20...QF

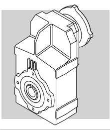
	Ø
QF25	25
QF30	30



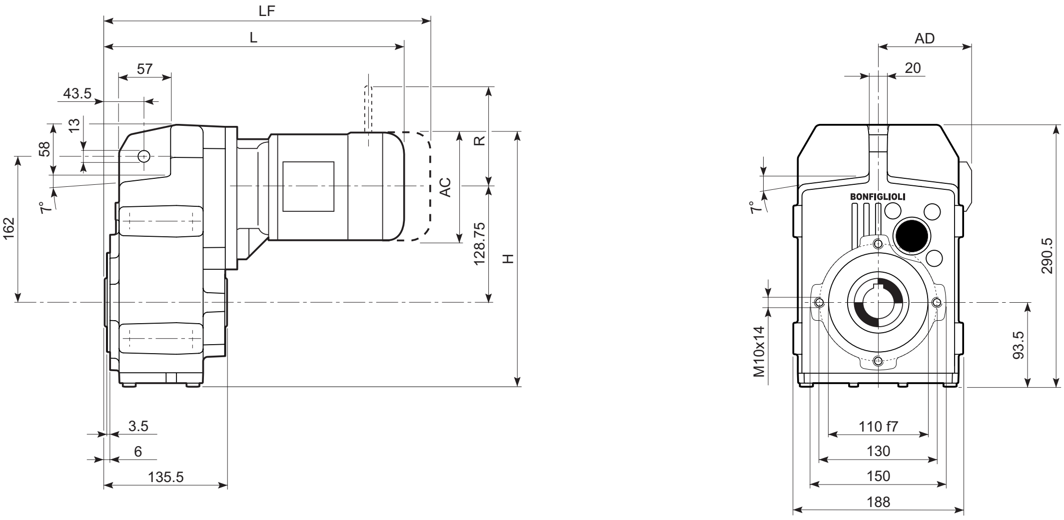
F 20...F...



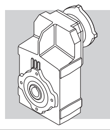
* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.



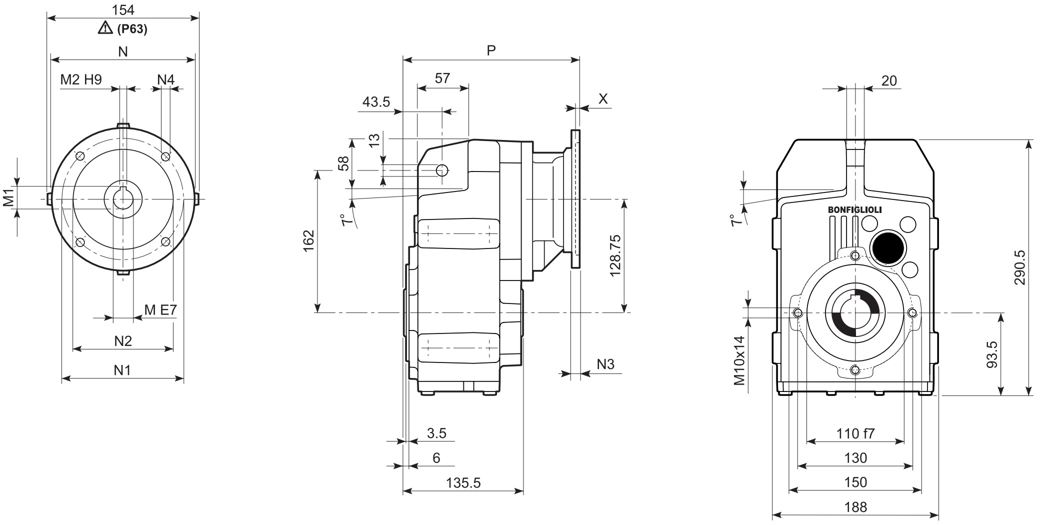
F 25...M/ME



								M...FD M...FA		M...FD		M...FA	
			AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 25 2/3	**S05**	**M05**	121	283	339	95	15	405	17	96	122	116	95
F 25 2/3	**S1**	**M1**	138	291.5	368	108	17	429	20	103	135	124	108
F 25 2/3	**S2**	**ME2S**	156	300.5	397	119	21	—	—	—	—	—	—
F 25 2/3	**S3**	**ME3S**	195	320	440	142	26	—	—	—	—	—	—
F 25 2/3	**S3**	**ME3L**	195	320	472	142	33	—	—	—	—	—	—
F 25 4	**S05**	**M05**	121	283	394.5	95	17	460.5	18	96	122	116	95
F 25 4	**S1**	**M1**	138	291.5	423.5	108	19	484.5	21	103	135	124	108
F 25 4	**S2**	**ME2S**	156	300.5	452.5	119	22	—	—	—	—	—	—
F 25 4	**S3**	**ME3S**	195	320	495.5	142	27	—	—	—	—	—	—
F 25 4	**S3**	**ME3L**	195	320	527.5	142	34	—	—	—	—	—	—

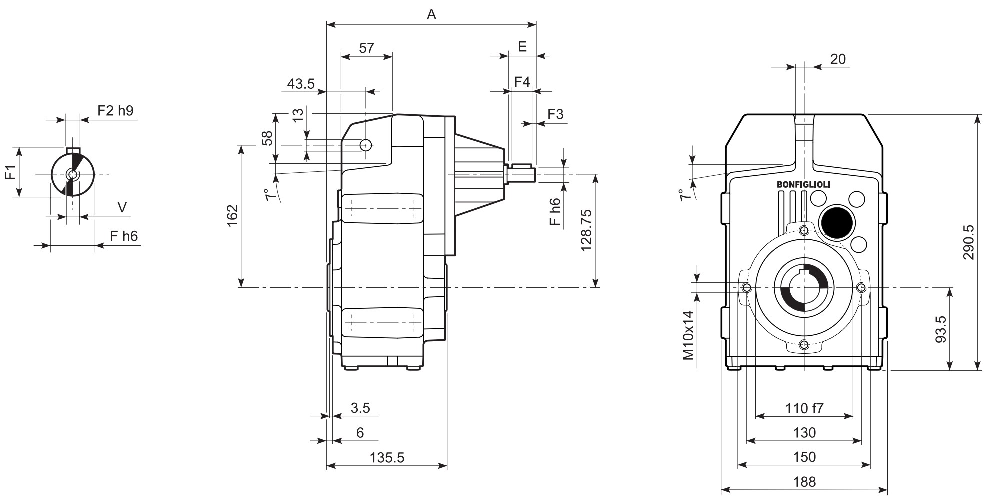


F 25...P(IEC)

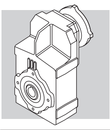


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 25 2/3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	213	12
F 25 2/3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	213	12
F 25 2/3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	232.5	13
F 25 2/3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	232.5	13
F 25 2/3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	242.5	16
F 25 2/3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	242.5	16
F 25 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	268.5	13
F 25 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	268.5	13
F 25 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	288	14
F 25 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	288	14
F 25 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	298	18
F 25 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	298	18

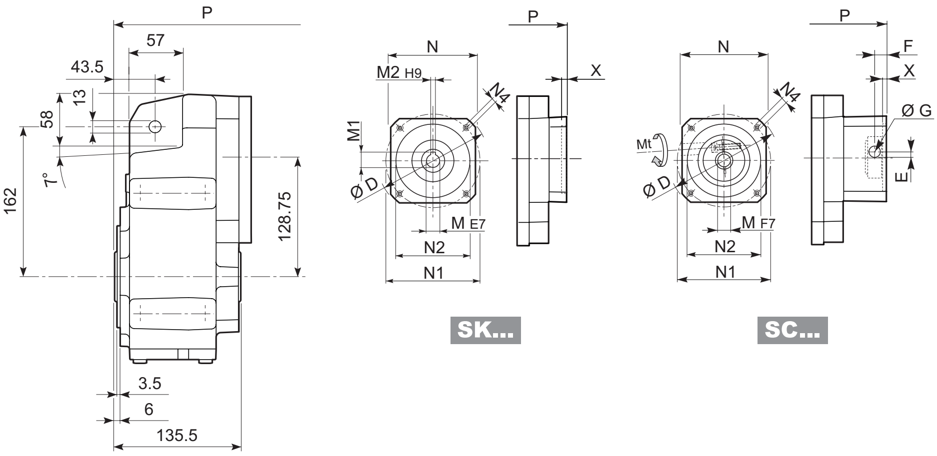
F 25...HS



		A	E	F	F1	F2	F3	F4	V	Kg
F 25 2		263	40	19	21.5	6	2.5	35	M6x16	11.5
F 25 3	**HS**	263	40	19	21.5	6	2.5	35	M6x16	11.5
F 25 4		275.5	40	16	18	5	2.5	35	M6x16	12.5

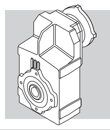


F 25...SK / SC



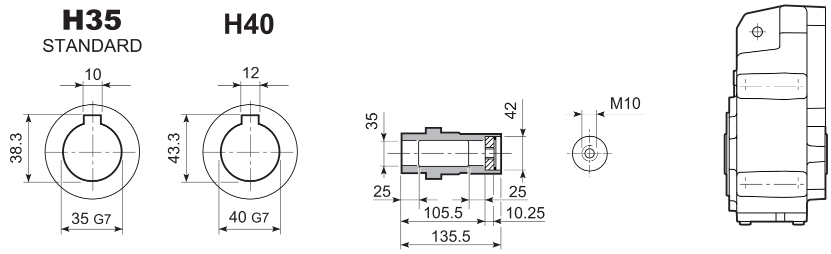
		D	M	M1	M2	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 25 2/3/4	SK 60A	102	11	12.8	4	82	75	60	M5x10	3.5	184.5	11	240	12
F 25 2/3/4	SK 60B	102	14	16.3	5	82	75	60	M5x10	4	191.5	12	247	13
F 25 2/3/4	SK 80A	115	14	16.3	5	90	100	80	M6x12	4	191.5	12	247	13
F 25 2/3/4	SK 80C	120	19	21.8	6	96	100	80	M6x12	4	232.5	13	288	14
F 25 2/3/4	SK 95A	130	14	16.3	5	102	115	95	M8x12	4	232.5	13	288	14
F 25 2/3/4	SK 95B	130	19	21.8	6	102	115	95	M8x12	4	232.5	13	288	14
F 25 2/3/4	SK 95C	130	24	27.3	8	102	115	95	M8x12	4	232.5	13	288	14
F 25 2/3/4	SK 110A	150	19	21.8	6	120	130	110	M8x12	5	232.5	13	288	14
F 25 2/3/4	SK 110B	150	24	27.3	8	120	130	110	M8x12	5	232.5	13	288	14

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 25 2/3/4	SC 60A	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	211.5	12	267	13
F 25 2/3/4	SC 60B	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	211.5	13	267	14
F 25 2/3/4	SC 80A	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	211.5	13	267	14
F 25 2/3/4	SC 80C	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	256	14	311.5	15
F 25 2/3/4	SC 95A	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	256	14	311.5	15
F 25 2/3/4	SC 95B	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	256	14	311.5	15
F 25 2/3/4	SC 95C	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	256	14	311.5	15
F 25 2/3/4	SC 110A	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	256	15	311.5	16
F 25 2/3/4	SC 110B	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	256	15	311.5	16

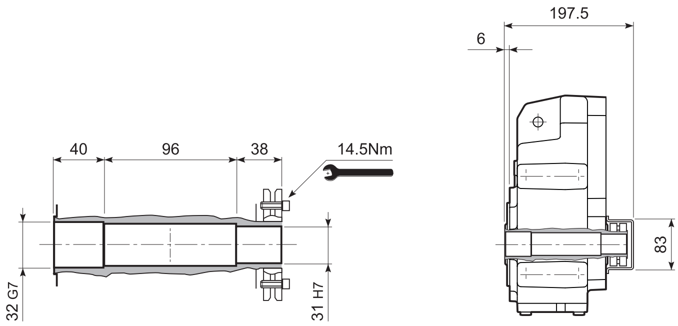


F 25

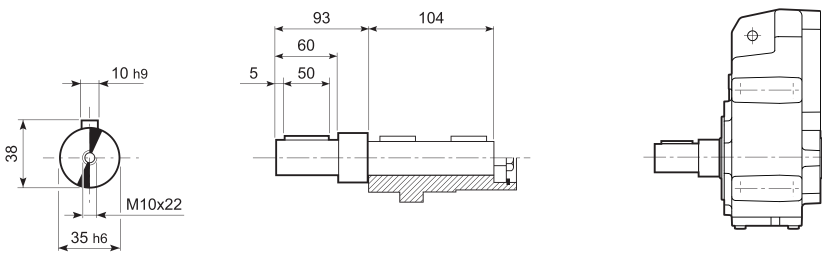
F 25...H



F 25...S



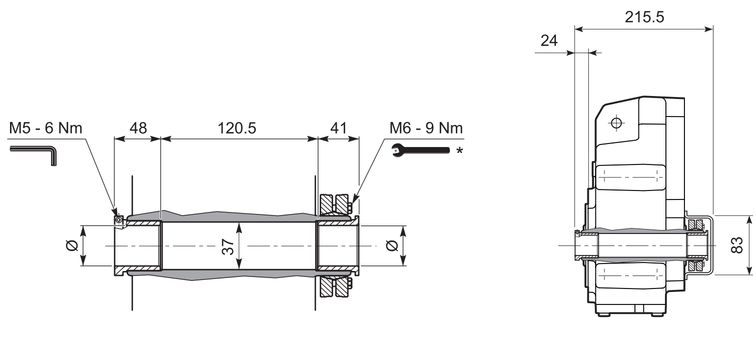
F 25...R



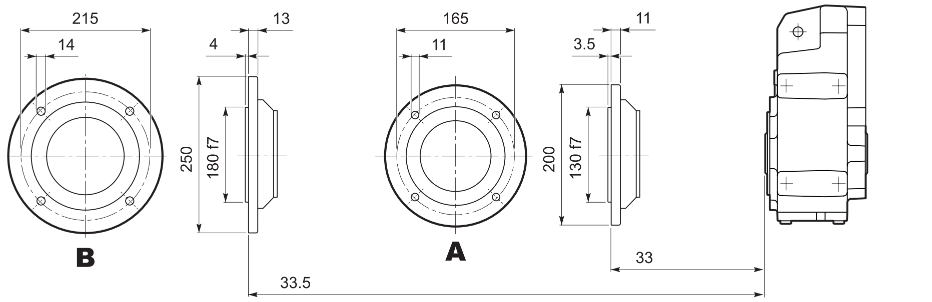
F 25...QF

	Ø
QF30	30
QF32	32

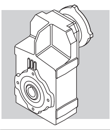
$M_{n2\ max}$ [Nm]	
F 25 QF30	350



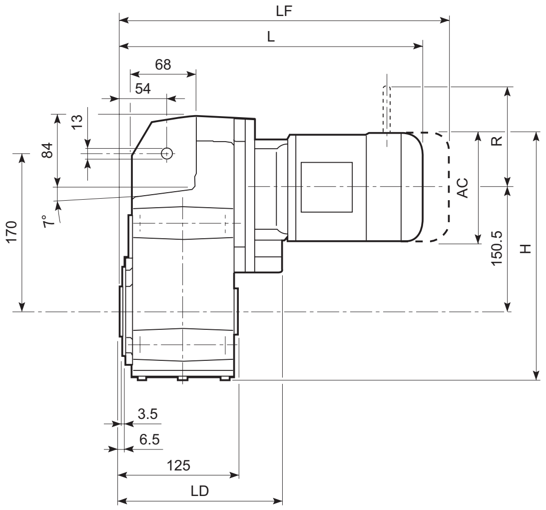
F 25...F...

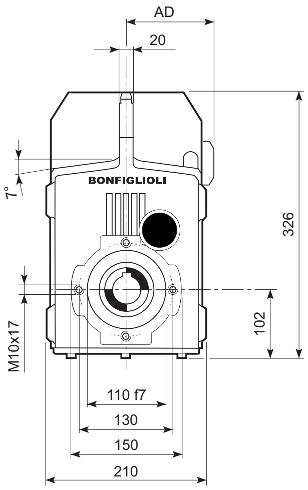


* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

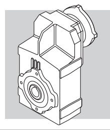


F 31...M/ME/MX

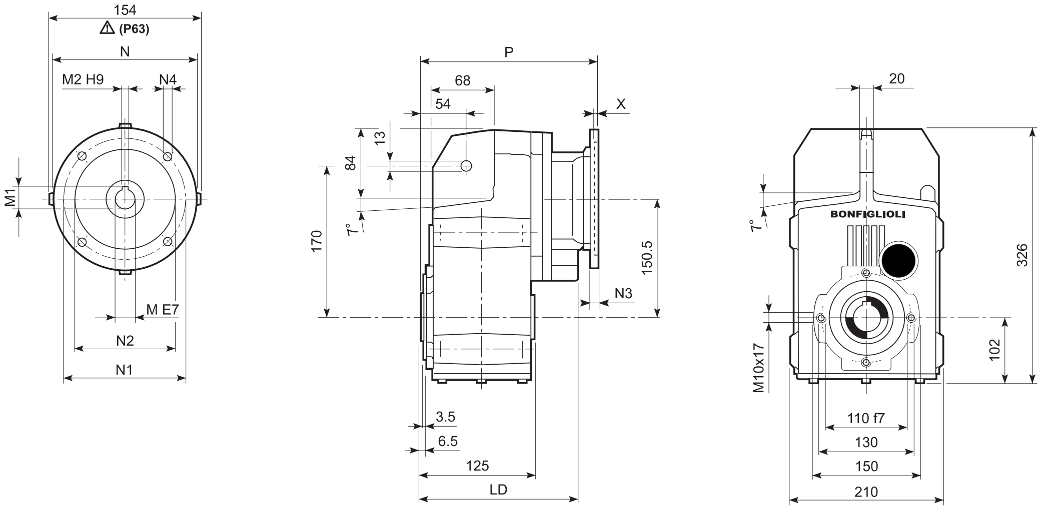




										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
F 31 2/3	**S1**	**M1**		138	321.3	380.5	183.5	108	22	441.5	25	103	135	124	108
F 31 2/3	**S2**	**ME2S**		156	330.3	409.5	195.5	119	26	—	—	—	—	—	—
F 31 2/3	**S3**	**ME3S**		195	349.8	452.5	205.5	142	31	—	—	—	—	—	—
F 31 2/3	**S3**	**ME3L**		195	349.8	484.5	205.5	142	40	—	—	—	—	—	—
F 31 2/3	**S4**	**ME4**	**MX4**	258	381.3	592.5	—	193	72	—	—	—	—	—	—
F 31 2/3	**S4**	**ME4LA**	**MX4LA**	258	381.3	592.5	—	193	78	—	—	—	—	—	—
F 31 4	**S05**	**M05**		121	312.8	409	—	95	20	475	22	96	122	116	95
F 31 4	**S1**	**M1**		138	321.3	438	—	108	22	499	25	103	135	124	108
F 31 4	**S2**	**ME2S**		156	330.3	467	—	119	26	—	—	—	—	—	—
F 31 4	**S3**	**ME3S**		195	349.8	510	—	142	31	—	—	—	—	—	—
F 31 4	**S3**	**ME3L**		195	349.8	542	—	142	41	—	—	—	—	—	—

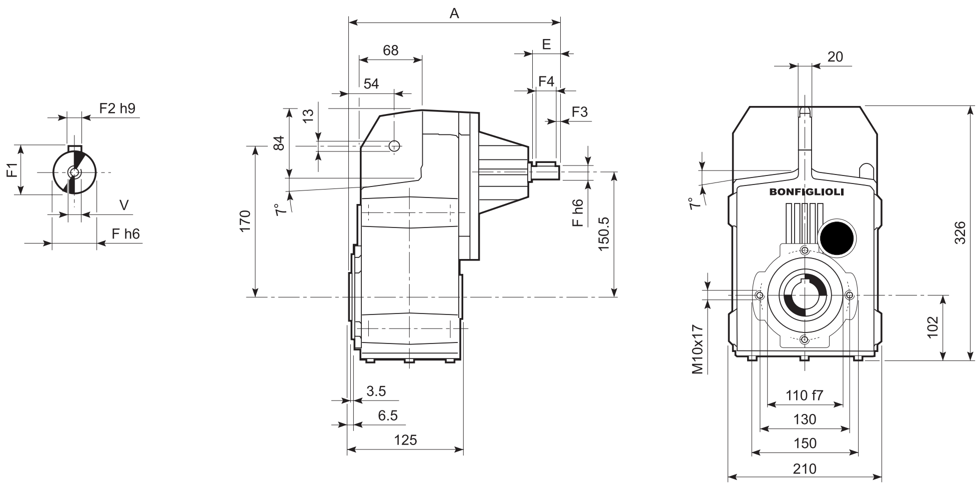


F 31...P(IEC)

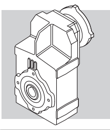


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 31 2/3	**P63**	195.5	11	12.8	4	140	115	95	—	M8x19	4	225.5	17
F 31 2/3	**P71**	195.5	14	16.3	5	160	130	110	—	M8x16	4.5	225.5	17
F 31 2/3	**P80**	205.5	19	21.8	6	200	165	130	—	M10x12	4	245	18
F 31 2/3	**P90**	205.5	24	27.3	8	200	165	130	—	M10x12	4	245	17
F 31 2/3	**P100**	205.5	28	31.3	8	250	215	180	—	M12x16	4.5	255	21
F 31 2/3	**P112**	205.5	28	31.3	8	250	215	180	—	M12x16	4.5	255	21
F 31 2/3	**P132**	—	38	41.3	10	300	265	230	—	14	5	291.5	24
F 31 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	283	17
F 31 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	283	17
F 31 4	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	302.5	18
F 31 4	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	302.5	18
F 31 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	312.5	22
F 31 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	312.5	22

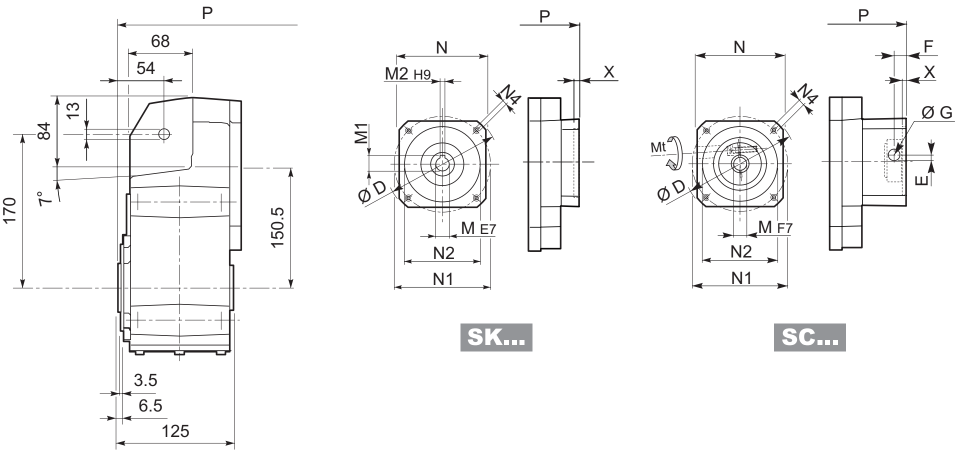
F 31...HS



		A	E	F	F1	F2	F3	F4	V	Kg
F 31 2	**HS**	275.5	40	19	21.5	6	2.5	35	M6x16	16.7
F 31 3	**HS**	275.5	40	19	21.5	6	2.5	35	M6x16	16.7
F 31 4	**HS**	290	40	16	18	5	2.5	35	M6x16	16.5

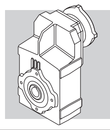


F 31...SK / SC



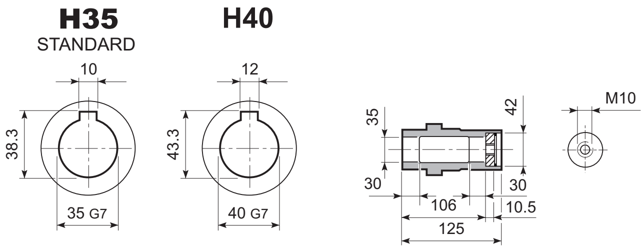
		D	M	M1	M2	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 31 2/3/4	**SK 60A**	102	11	12.8	4	82	75	60	M5x10	3.5	197	16	254.5	16
F 31 2/3/4	**SK 60B**	102	14	16.3	5	82	75	60	M5x10	4	204	17	261.5	17
F 31 2/3/4	**SK 80A**	115	14	16.3	5	90	100	80	M6x12	4	204	17	261.5	17
F 31 2/3/4	**SK 80C**	120	19	21.8	6	96	100	80	M6x12	4	245	18	302.5	18
F 31 2/3/4	**SK 95A**	130	14	16.3	5	102	115	95	M8x12	4	245	18	302.5	18
F 31 2/3/4	**SK 95B**	130	19	21.8	6	102	115	95	M8x12	4	245	18	302.5	18
F 31 2/3/4	**SK 95C**	130	24	27.3	8	102	115	95	M8x12	4	245	18	302.5	18
F 31 2/3/4	**SK 110A**	150	19	21.8	6	120	130	110	M8x12	5	245	18	302.5	18
F 31 2/3/4	**SK 110B**	150	24	27.3	8	120	130	110	M8x12	5	245	18	302.5	18
F 31 2/3	**SK 130A**	188	24	27.3	8	142	165	130	M10x20	5	245	18	—	—

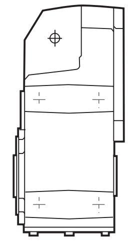
			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 31 2/3/4	**SC 60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	224	17	281.5	17
F 31 2/3/4	**SC 60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	224	18	281.5	18
F 31 2/3/4	**SC 80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	224	18	281.5	18
F 31 2/3/4	**SC 80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	268.5	19	326	19
F 31 2/3/4	**SC 95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	268.5	19	326	19
F 31 2/3/4	**SC 95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	268.5	19	326	19
F 31 2/3/4	**SC 95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	268.5	19	326	19
F 31 2/3/4	**SC 110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	268.5	20	326	20
F 31 2/3/4	**SC 110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	268.5	20	326	20
F 31 2/3	**SC 130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	268.5	21	—	—



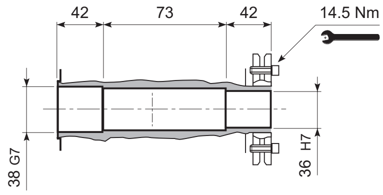
F 31

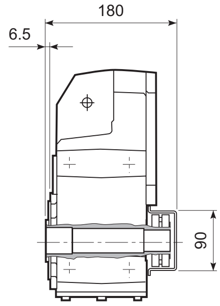
F 31...H



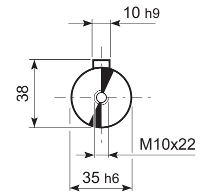


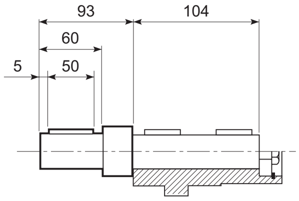
F 31...S

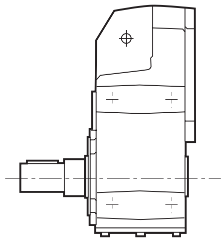




F 31...R

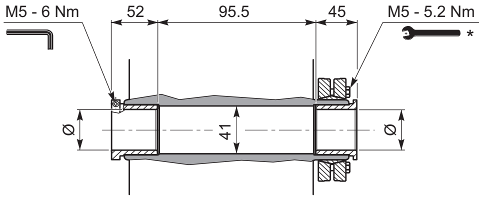


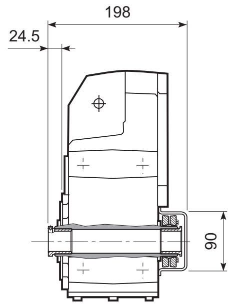




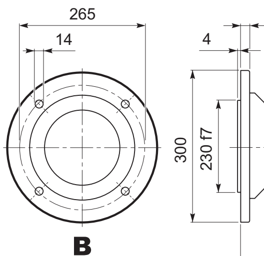
F 31...QF

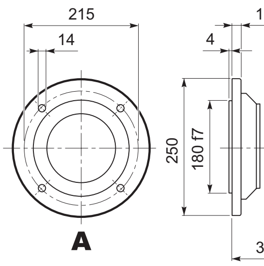
	Ø
QF35	35
QF40	40

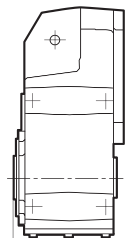




F 31...F...

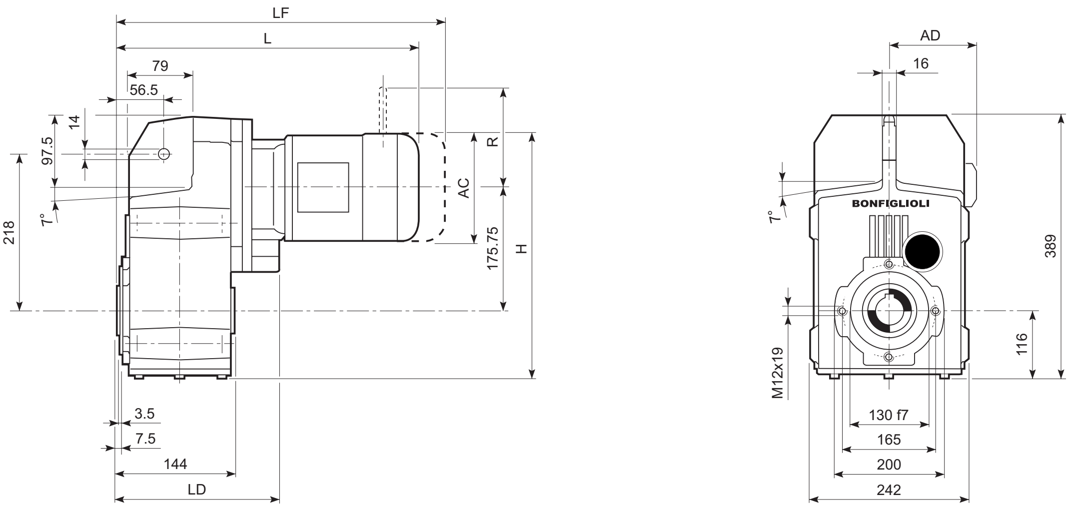




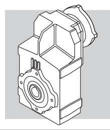


* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

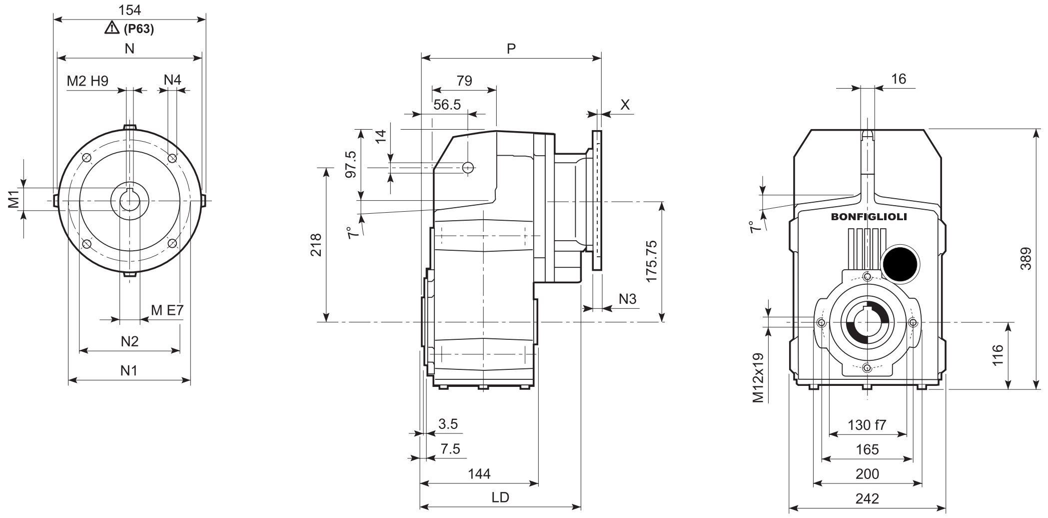
F 41...M/ME/MX



										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
F 41 2/3	**S1**	**M1**		138	360.8	401	199.5	108	46	462	48	103	135	124	108
F 41 2/3	**S2**	**ME2S**		156	369.8	430	215	119	49	—	—	—	—	—	—
F 41 2/3	**S3**	**ME3S**		195	389.3	473	231	142	54	—	—	—	—	—	—
F 41 2/3	**S3**	**ME3L**		195	389.3	505	231	142	64	—	—	—	—	—	—
F 41 2/3	**S4**	**ME4**	**MX4**	258	420.8	613	—	193	96	—	—	—	—	—	—
F 41 2/3	**S4**	**ME4LB**	**MX4LA**	258	420.8	648	—	193	104	—	—	—	—	—	—
F 41 4	**S05**	**M05**		231	352.3	433.5	—	95	45	499.5	46	96	122	116	95
F 41 4	**S1**	**M1**		138	360.8	462.5	—	108	47	523.5	49	103	135	124	108
F 41 4	**S2**	**ME2S**		156	369.8	491.5	—	119	50	—	—	—	—	—	—
F 41 4	**S3**	**ME3S**		195	389.3	534.5	—	142	55	—	—	—	—	—	—
F 41 4	**S3**	**ME3L**		195	389.3	566.5	—	142	65	—	—	—	—	—	—

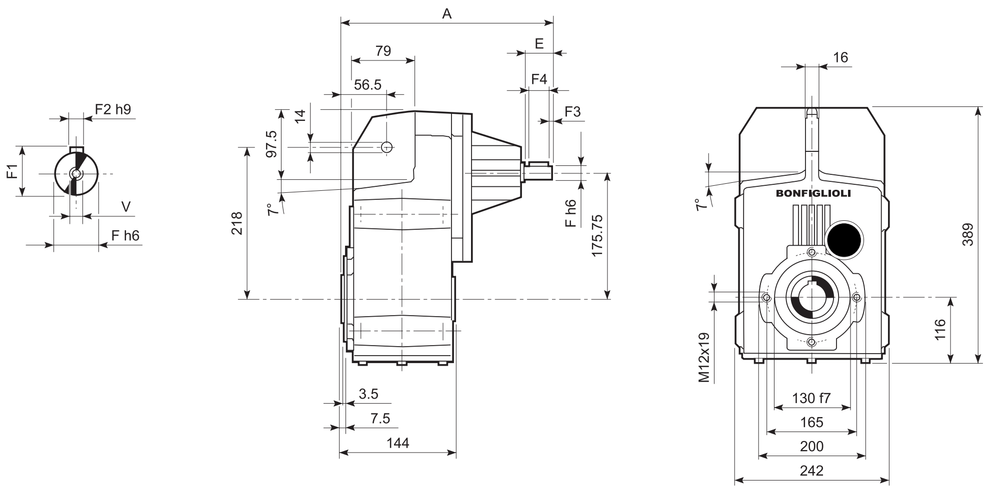


F 41...P(IEC)

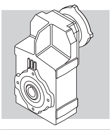


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 41 2/3	**P63**	215	11	12.8	4	140	115	95	—	M8x19	4	246	42
F 41 2/3	**P71**	215	14	16.3	5	160	130	110	—	M8x16	4.5	246	42
F 41 2/3	**P80**	231	19	21.8	6	200	165	130	—	M10x12	4	265.5	43
F 41 2/3	**P90**	231	24	27.3	8	200	165	130	—	M10x12	4	265.5	43
F 41 2/3	**P100**	231	28	31.3	8	250	215	180	—	M12x16	4.5	275.5	47
F 41 2/3	**P112**	231	28	31.3	8	250	215	180	—	M12x16	4.5	275.5	47
F 41 2/3	**P132**	—	38	41.3	10	300	265	230	16	14	5	312	50
F 41 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	307.5	44
F 41 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	307.5	44
F 41 4	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	327	45
F 41 4	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	327	45
F 41 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	337	49
F 41 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	337	49

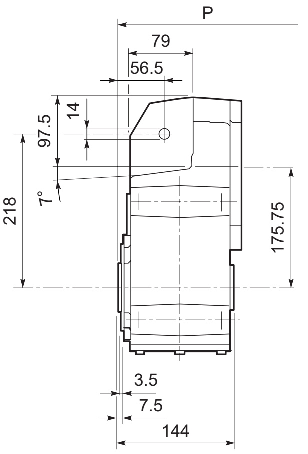
F 41...HS

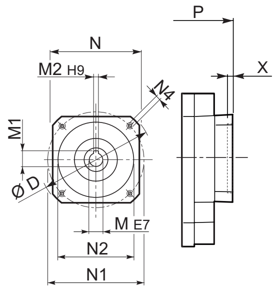


		A	E	F	F1	F2	F3	F4	V	Kg
F 41 2		335.5	50	24	27	8	2.5	45	M8x19	44.9
F 41 3	**HS**	335.5	50	24	27	8	2.5	45	M8x19	46.4
F 41 4		357.5	40	19	21.5	6	2.5	35	M6x16	43.5

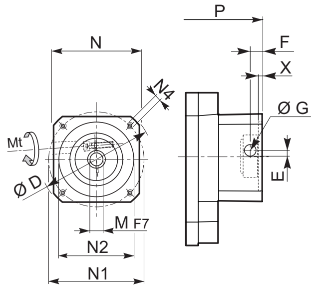


F 41...SK / SC





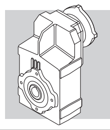
SK...



SC...

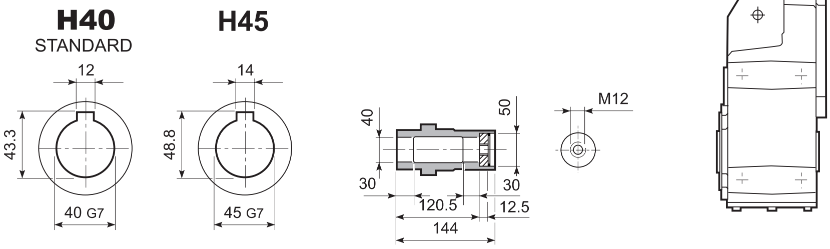
		D	M	M1	M2	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 41 4	**SK 60A**	102	11	12.8	4	82	75	60	M5x10	3.5	—	—	279	43
F 41 4	**SK 60B**	102	14	16.3	5	82	75	60	M5x10	4	—	—	286	44
F 41 4	**SK 80A**	115	14	16.3	5	90	100	80	M6x12	4	—	—	286	44
F 41 2/3	**SK 80B**	120	14	16.3	5	96	100	80	M6x12	4	265.5	43	—	—
F 41 2/3/4	**SK 80C**	120	19	21.8	6	96	100	80	M6x12	4	265.5	43	327	45
F 41 2/3/4	**SK 95A**	130	14	16.3	5	102	115	95	M8x12	4	265.5	43	327	45
F 41 2/3/4	**SK 95B**	130	19	21.8	6	102	115	95	M8x12	4	265.5	43	327	45
F 41 2/3/4	**SK 95C**	130	24	27.3	8	102	115	95	M8x12	4	265.5	43	327	45
F 41 2/3/4	**SK 110A**	150	19	21.8	6	120	130	110	M8x12	5	265.5	43	327	45
F 41 2/3/4	**SK 110B**	150	24	27.3	8	120	130	110	M8x12	5	265.5	43	327	45
F 41 2/3	**SK 130A**	188	24	27.3	8	142	165	130	M10x20	5	265.5	45	—	—
F 41 2/3	**SK 130B**	189	32	35.3	10	160	165	130	M10x20	5	312	47	—	—
F 41 2/3	**SK 180A**	240	32	35.3	10	192	215	180	M12x19	5	312	47	—	—
F 41 2/3	**SK 180B**	240	38	41.3	10	192	215	180	M12x19	5	312	47	—	—

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 41 4	**SC 60A**	M6	15	102	7	12.5	12.5	11	82	75	60	M5x10	4	—	—	306	44
F 41 4	**SC 60B**	M6	15	102	7	12.5	12.5	14	82	75	60	M5x10	4	—	—	306	45
F 41 4	**SC 80A**	M6	15	115	6	12.5	12.5	14	90	100	80	M6x12	4	—	—	306	45
F 41 2/3	**SC 80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	289	44	—	—
F 41 2/3/4	**SC 80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	289	44	350.5	46
F 41 2/3/4	**SC 95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	289	44	350.5	46
F 41 2/3/4	**SC 95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	289	44	350.5	46
F 41 2/3/4	**SC 95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	289	44	350.5	46
F 41 2/3/4	**SC 110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	289	45	350.5	47
F 41 2/3/4	**SC 110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	289	45	350.5	47
F 41 2/3	**SC 130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	289	46	—	—
F 41 2/3	**SC 130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	335	50	—	—
F 41 2/3	**SC 180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	339	50	—	—
F 41 2/3	**SC 180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	339	50	—	—

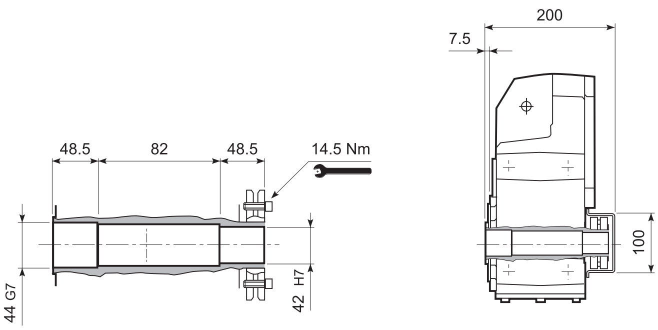


F 41

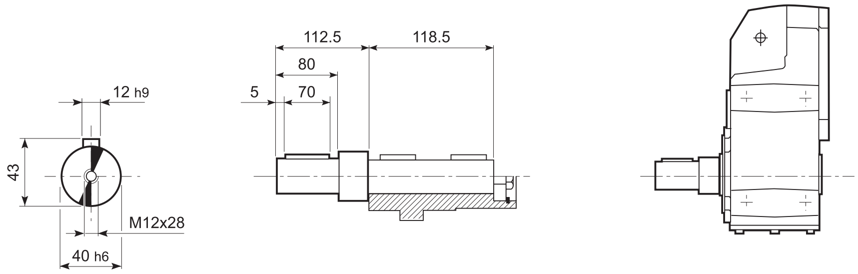
F 41...H



F 41...S



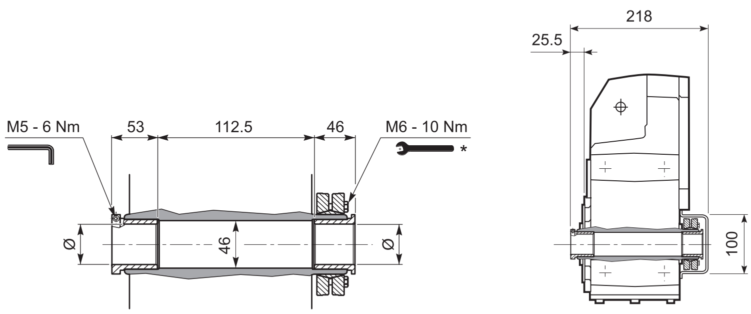
F 41...R



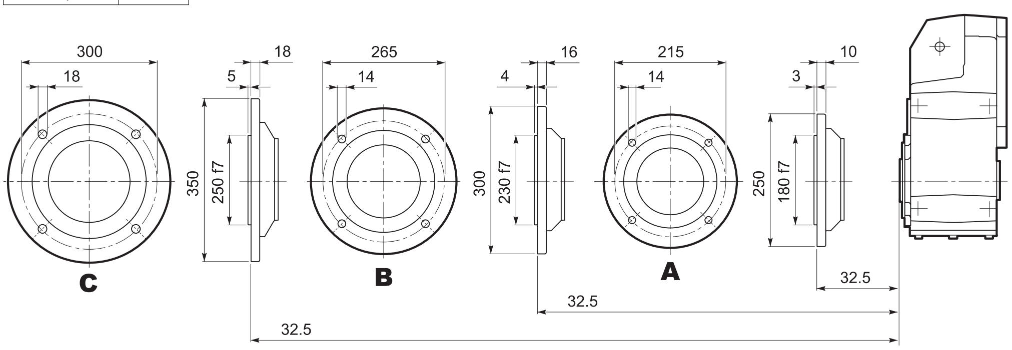
F 41...QF

	Ø
QF42	42
QF45	45

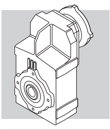
$M_{n2\ max}$	[Nm]
F 41 QF42	850
F 41 QF45	1000



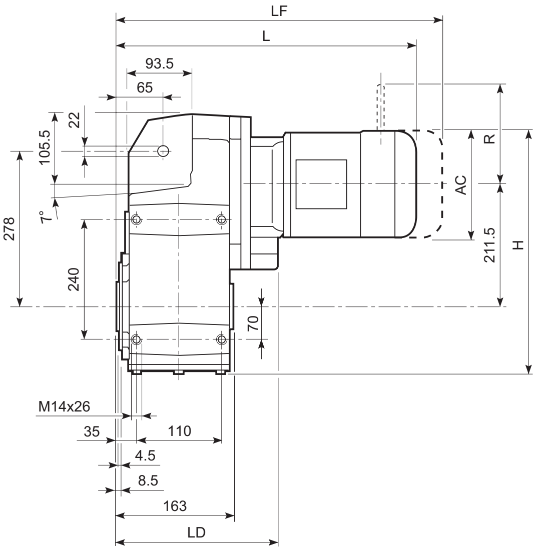
F 41...F...

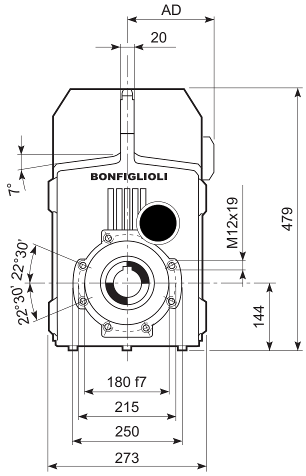


* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

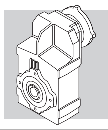


F 51...M/ME/MX

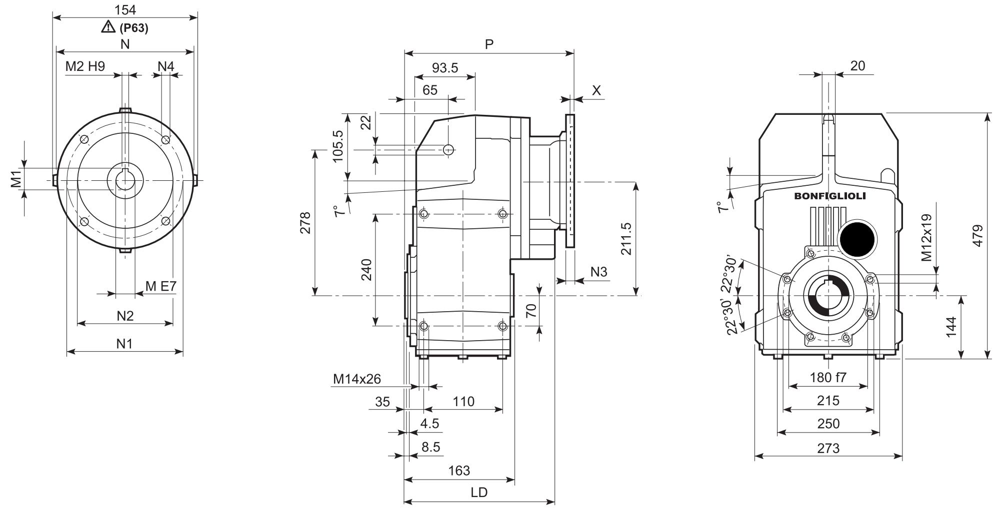




										M...FD M...FA		M...FD		M...FA	
				AC	H	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
F 51 2/3	**S1**	**M1**		138	424	423	—	108	73	484	76	103	135	124	108
F 51 2/3	**S2**	**ME2S**		156	433	452	238	119	73	—	—	—	—	—	—
F 51 2/3	**S3**	**ME3S**		195	452.5	495	253	142	77	—	—	—	—	—	—
F 51 2/3	**S3**	**ME3L**		195	452.5	527	253	142	87	—	—	—	—	—	—
F 51 2/3	**S4**	**ME4**	**MX4**	258	484	635	238	193	119	—	—	—	—	—	—
F 51 2/3	**S4**	**ME4LB**	**MX4LA**	258	484	670	238	193	127	—	—	—	—	—	—
F 51 2/3	**S5**	**ME5S**	**ME5S**	310	510	721.5	—	245	153	—	—	—	—	—	—
F 51 2/3	**S5**	**ME5L**	**ME5L**	310	510	765.5	—	245	169	—	—	—	—	—	—
F 51 4	**S1**	**M1**		138	424	494.5	—	108	75	555.5	78	103	135	124	108
F 51 4	**S2**	**ME2S**		156	433	523.5	—	119	79	—	—	—	—	—	—
F 51 4	**S3**	**ME3S**		195	452.5	566.5	—	142	84	—	—	—	—	—	—
F 51 4	**S3**	**ME3L**		195	452.5	598.5	—	142	93	—	—	—	—	—	—

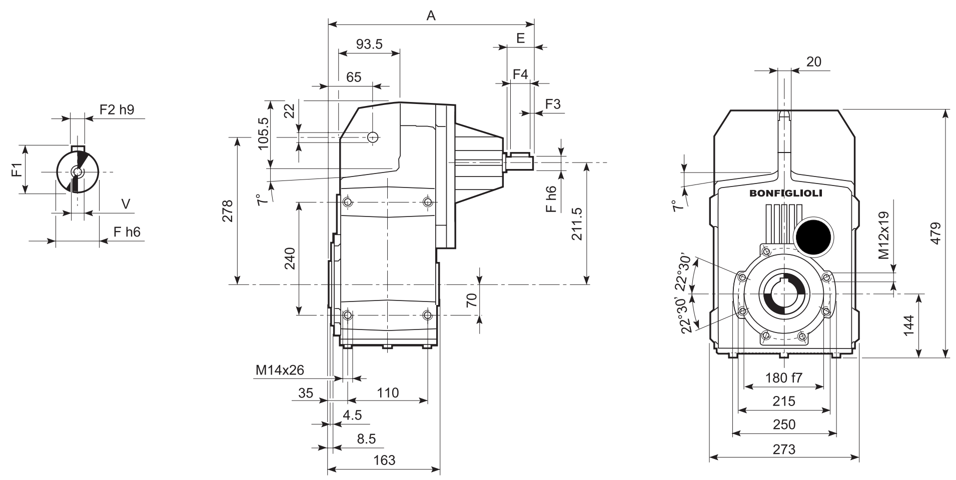


F 51...P(IEC)

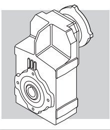


		LD	M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 51 2/3	**P63**	238	11	12.8	4	140	115	95	—	M8x19	4	268	65
F 51 2/3	**P71**	238	14	16.3	5	160	130	110	—	M8x16	4.5	268	65
F 51 2/3	**P80**	253	19	21.8	6	200	165	130	—	M10x12	4	287.5	67
F 51 2/3	**P90**	253	24	27.3	8	200	165	130	—	M10x12	4	287.5	67
F 51 2/3	**P100**	238	28	31.3	8	250	215	180	—	M12x16	4.5	297.5	71
F 51 2/3	**P112**	238	28	31.3	8	250	215	180	—	M12x16	4.5	297.5	71
F 51 2/3	**P132**	238	38	41.3	10	300	265	230	16	14	5	334	74
F 51 2/3	**P160**	—	42	45.3	12	350	300	250	23	18	5.5	384.5	78
F 51 2/3	**P180**	—	48	51.8	14	350	300	250	23	18	5.5	384.5	78
F 51 4	**P63**	—	11	12.8	4	140	115	95	—	M8x19	4	339.5	70
F 51 4	**P71**	—	14	16.3	5	160	130	110	—	M8x16	4.5	339.5	70
F 51 4	**P80**	—	19	21.8	6	200	165	130	—	M10x12	4	359	71
F 51 4	**P90**	—	24	27.3	8	200	165	130	—	M10x12	4	359	71
F 51 4	**P100**	—	28	31.3	8	250	215	180	—	M12x16	4.5	369	75
F 51 4	**P112**	—	28	31.3	8	250	215	180	—	M12x16	4.5	369	75
F 51 4	**P132**	—	38	41.3	10	300	265	230	16	14	5	405.5	78

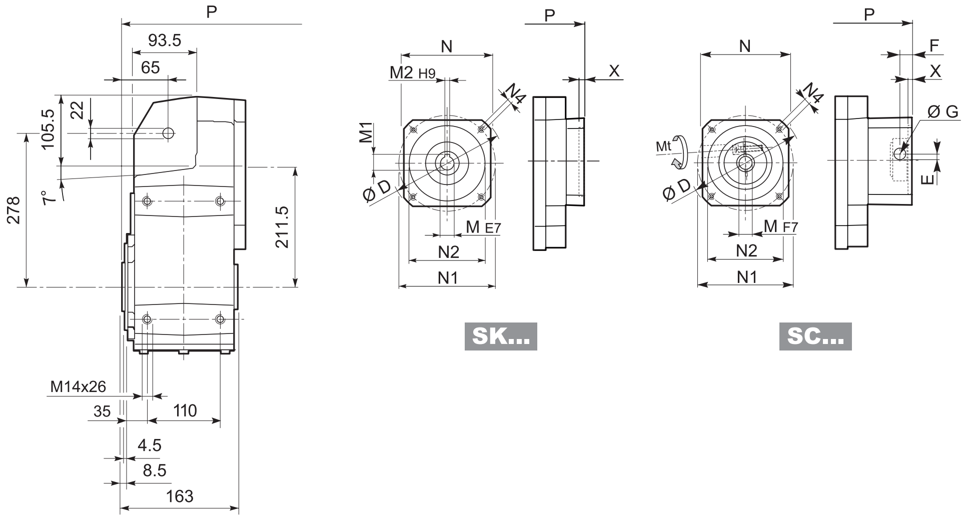
F 51...HS



		A	E	F	F1	F2	F3	F4	V	Kg
F 51 2		357.5	50	24	27	8	2.5	45	M8x19	65
F 51 3	**HS**	357.5	50	24	27	8	2.5	45	M8x19	68
F 51 4		389.5	40	19	21.5	6	2.5	35	M6x16	70

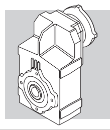


F 51...SK / SC



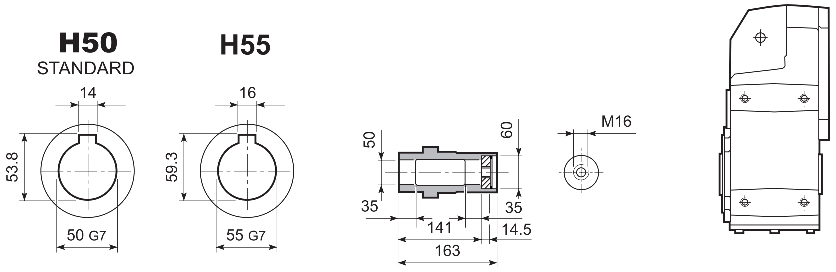
		D	M	M1	M2	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 51 2/3	**SK 80B**	120	14	16.3	5	96	100	80	M6x12	4	287.5	67	—	—
F 51 2/3/4	**SK 80C**	120	19	21.8	6	96	100	80	M6x12	4	287.5	67	359	71
F 51 2/3/4	**SK 95A**	130	14	16.3	5	102	115	95	M8x12	4	287.5	67	359	71
F 51 2/3/4	**SK 95B**	130	19	21.8	6	102	115	95	M8x12	4	287.5	67	359	71
F 51 2/3/4	**SK 95C**	130	24	27.3	8	102	115	95	M8x12	4	287.5	67	359	71
F 51 2/3/4	**SK 110A**	150	19	21.8	6	120	130	110	M8x12	5	287.5	67	359	71
F 51 2/3/4	**SK 110B**	150	24	27.3	8	120	130	110	M8x12	5	287.5	67	359	71
F 51 2/3/4	**SK 130A**	188	24	27.3	8	142	165	130	M10x20	5	287.5	69	359	73
F 51 2/3	**SK 130B**	189	32	35.3	10	160	165	130	M10x20	5	334	75	—	—
F 51 2/3	**SK 180A**	240	32	35.3	10	192	215	180	M12x19	5	334	75	—	—
F 51 2/3	**SK 180B**	240	38	41.3	10	192	215	180	M12x19	5	334	75	—	—

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 51 2/3	**SC 80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	311	70	—	—
F 51 2/3/4	**SC 80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	311	70	382.5	74
F 51 2/3/4	**SC 95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	311	70	382.5	74
F 51 2/3/4	**SC 95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	311	70	382.5	74
F 51 2/3/4	**SC 95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	311	70	382.5	74
F 51 2/3/4	**SC 110A**	M6	15	150	16.5	16	17.75	19	120	130	110	M8x16	5	311	71	382.5	75
F 51 2/3/4	**SC 110B**	M6	15	150	16.5	16	17.75	24	120	130	110	M8x16	5	311	71	382.5	75
F 51 2/3/4	**SC 130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	311	72	382.5	76
F 51 2/3	**SC 130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	357	75	—	—
F 51 2/3	**SC 180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	361	75	—	—
F 51 2/3	**SC 180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	361	75	—	—

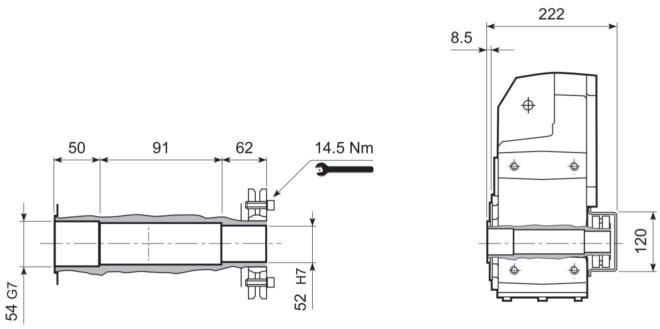


F 51

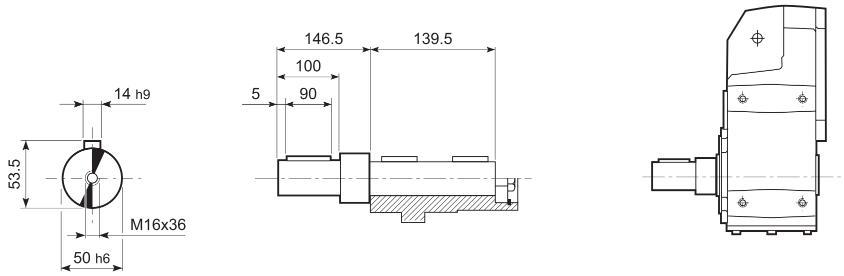
F 51...H



F 51...S



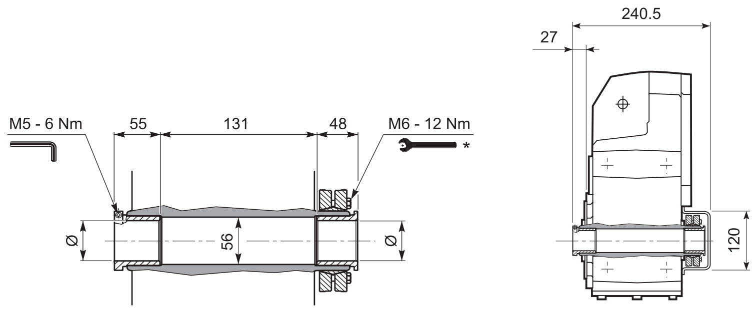
F 51...R



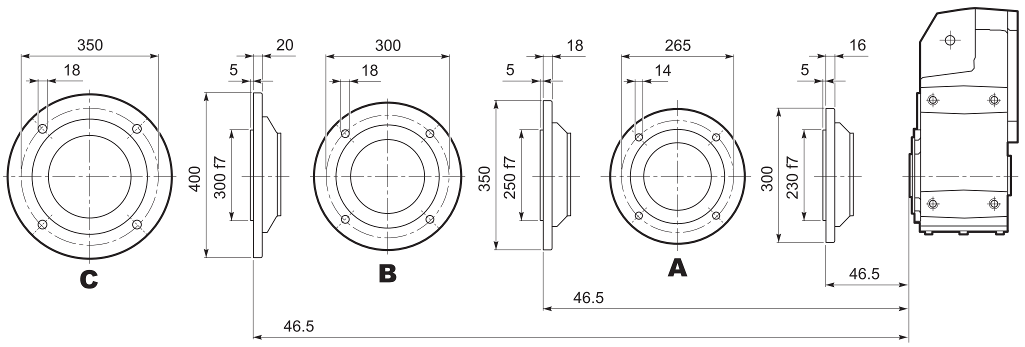
F 51...QF

	Ø
QF50	50
QF55	55

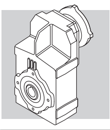
$M_{n2\ max}$	[Nm]
F 51 QF50	1750



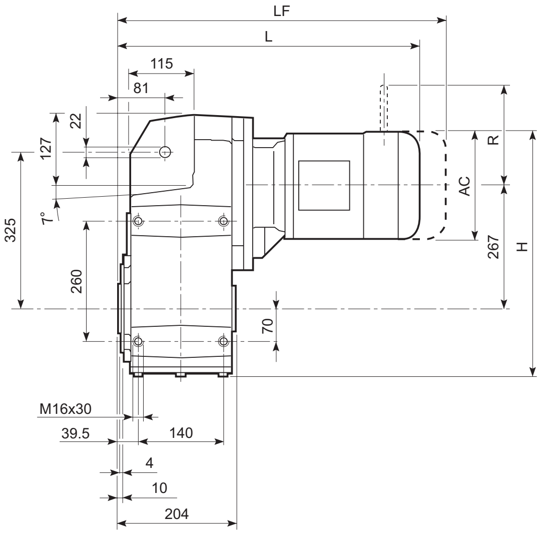
F 51...F...

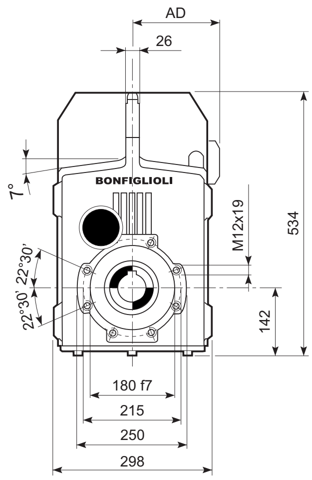


* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

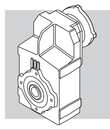


F 60...M/ME/MX

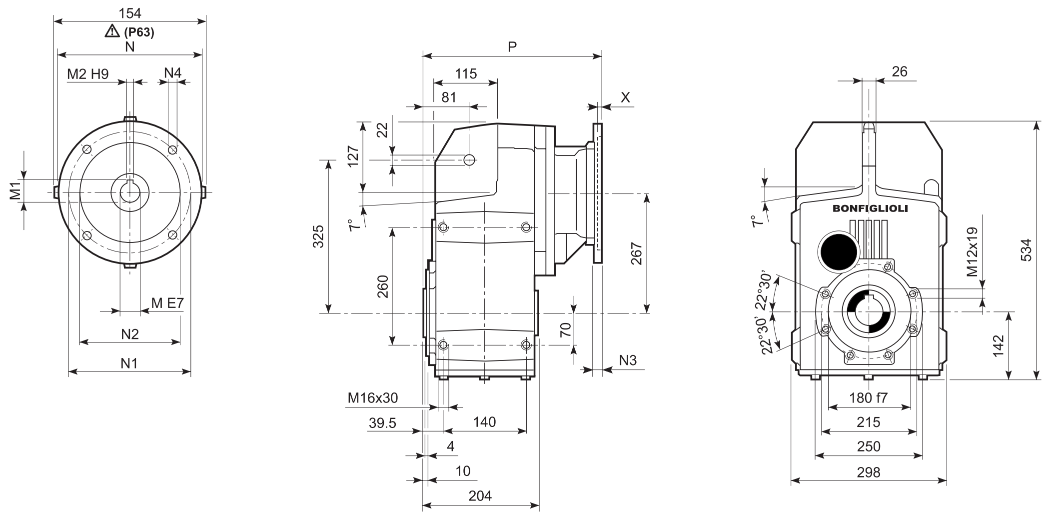




									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 60 3	S2	ME2S		156	487	486.5	119	114	—	—	—	—	—	—
F 60 3	S3	ME3S		195	506.5	529.5	142	114	—	—	—	—	—	—
F 60 3	S3	ME3L		195	506.5	561.5	142	124	—	—	—	—	—	—
F 60 3	S4	ME4	MX4	258	538	669.5	193	156	—	—	—	—	—	—
F 60 3	S4	ME4LB	MX4LA	258	538	704.5	193	164	—	—	—	—	—	—
F 60 3	S5	ME5S	MX5S	310	564	756	245	184	—	—	—	—	—	—
F 60 3	S5	ME5L	MX5L	310	564	800	245	200	—	—	—	—	—	—
F 60 4	S1	M1		138	478	528	108	113	589	116	103	135	124	108
F 60 4	S2	ME2S		156	487	557	119	117	—	—	—	—	—	—
F 60 4	S3	ME3S		195	506.5	600	142	122	—	—	—	—	—	—
F 60 4	S3	ME3L		195	506.5	632	142	131	—	—	—	—	—	—
F 60 4	S4	ME4	MX4	258	538	740	193	156	—	—	—	—	—	—
F 60 4	S4	ME4LB	MX4LA	258	538	775	193	164	—	—	—	—	—	—

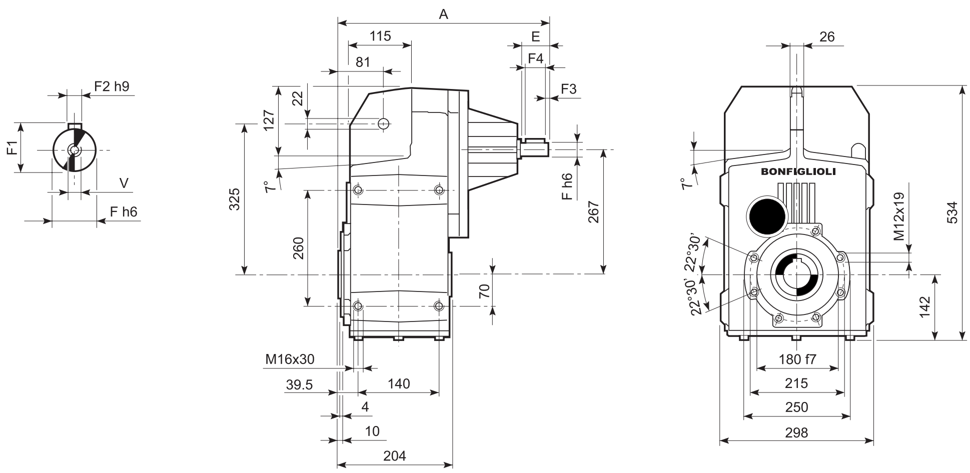


F 60...P(IEC)

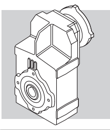


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 60 3	**P63**	11	12.8	4	140	115	95	—	M8x19	4	302.5	103
F 60 3	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	302.5	103
F 60 3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	322	104
F 60 3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	322	104
F 60 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	331	108
F 60 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	331	108
F 60 3	**P132**	38	41.3	10	300	265	230	16	14	5	367.5	111
F 60 3	**P160**	42	45.3	12	350	300	250	23	18	5.5	419	116
F 60 3	**P180**	48	51.8	14	350	300	250	23	18	5.5	419	116
F 60 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	373	108
F 60 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	373	108
F 60 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	392.5	110
F 60 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	392.5	110
F 60 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	402.5	114
F 60 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	402.5	114

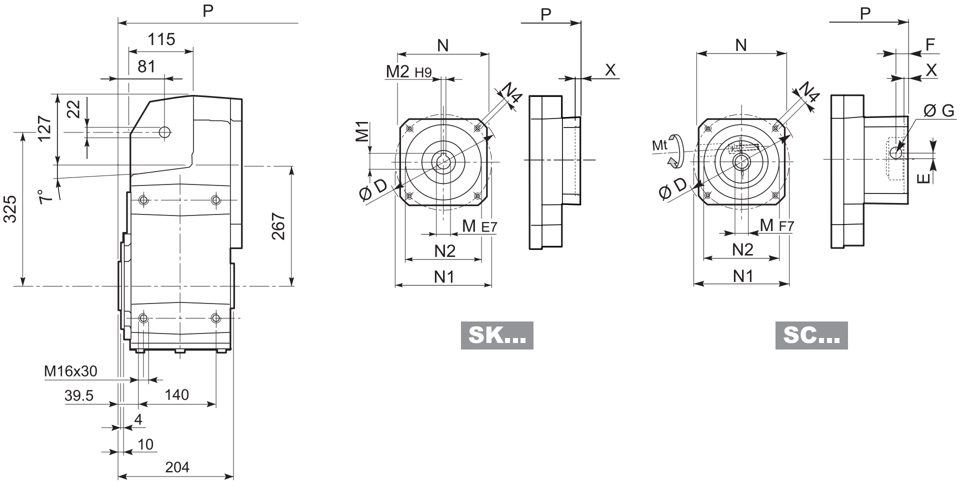
F 60...HS



		A	E	F	F1	F2	F3	F4	V	Kg
F 60 3	**HS**	419	60	28	31	8	5.0	50	M10x22	108
F 60 4		462.5	50	24	27	8	2.5	45	M8x19	105



F 60...SK / SC

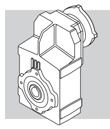


SK...

SC...

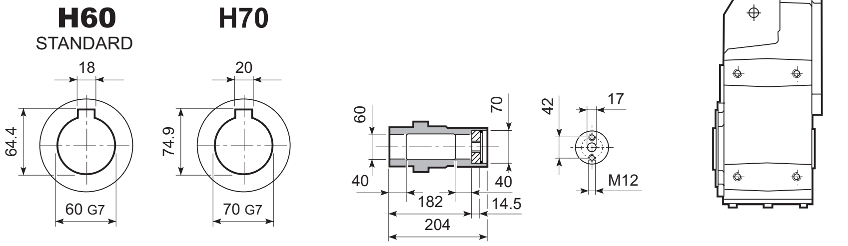
		D	M	M1	M2	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 60 4	**SK 80B**	120	14	16.3	5	96	100	80	M6x12	4	—	—	392.5	109
F 60 3/4	**SK 80C**	120	19	21.8	6	96	100	80	M6x12	4	322	106	392.5	112
F 60 3/4	**SK 95A**	130	14	16.3	5	102	115	95	M8x12	4	322	106	392.5	112
F 60 3/4	**SK 95B**	130	19	21.8	6	102	115	95	M8x12	4	322	106	392.5	112
F 60 3/4	**SK 95C**	130	24	27.3	8	102	115	95	M8x12	4	322	106	392.5	112
F 60 3/4	**SK 110A**	140	19	21.8	6	120	130	110	M8x12	5	322	106	392.5	112
F 60 3/4	**SK 110B**	140	24	27.3	8	120	130	110	M8x12	5	322	106	392.5	112
F 60 3/4	**SK 130A**	188	24	27.3	8	142	165	130	M10x20	5	322	108	392.5	112
F 60 3	**SK 130B**	189	32	35.3	10	160	165	130	M10x20	5	368.5	109	—	—
F 60 3	**SK 180A**	240	32	35.3	10	192	215	180	M12x19	5	368.5	109	—	—
F 60 3	**SK 180B**	240	38	41.3	10	192	215	180	M12x19	5	368.5	109	—	—

			Mt [Nm]	D	E	F	G	M	N	N1	N2	N4	X	2/3x P	2/3x Kg	4x P	4x Kg
F 60 4	**SC 80B**	M6	15	120	15.5	14.5	17.75	14	96	100	80	M6x12	4	—	—	416	113
F 60 3/4	**SC 80C**	M6	15	120	15.5	14.5	17.75	19	96	100	80	M6x12	4	345.5	107	416	113
F 60 3/4	**SC 95A**	M6	15	130	16.5	15	17.75	14	102	115	95	M8x16	4	345.5	107	416	113
F 60 3/4	**SC 95B**	M6	15	130	16.5	15	17.75	19	102	115	95	M8x16	4	345.5	107	416	113
F 60 3/4	**SC 95C**	M6	15	130	16.5	15	17.75	24	102	115	95	M8x16	4	345.5	107	416	113
F 60 3/4	**SC 110A**	M6	15	140	16.5	16	17.75	19	120	130	110	M8x16	5	345.5	108	416	113
F 60 3/4	**SC 110B**	M6	15	140	16.5	16	17.75	24	120	130	110	M8x16	5	345.5	108	416	113
F 60 3/4	**SC 130A**	M6	15	188	19	16	17.75	24	142	165	130	M10x20	5	345.5	109	416	115
F 60 3	**SC 130B**	M8	36	189	20	17	17.75	32	160	165	130	M10x20	5	390.5	112	—	—
F 60 3	**SC 180A**	M8	36	240	20	17.5	17.75	32	192	215	180	M12x24	5	394.5	112	—	—
F 60 3	**SC 180B**	M8	36	240	20	17.5	17.75	38	192	215	180	M12x24	5	394.5	112	—	—

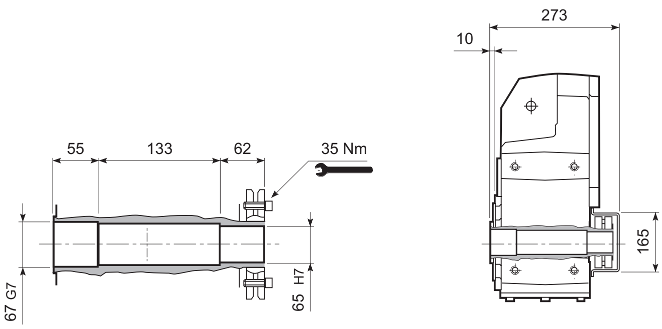


F 60

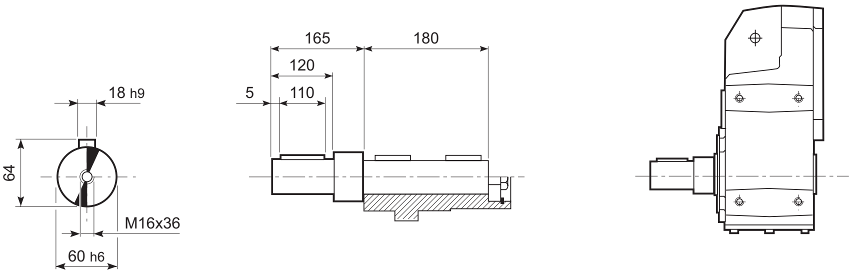
F 60...H



F 60...S

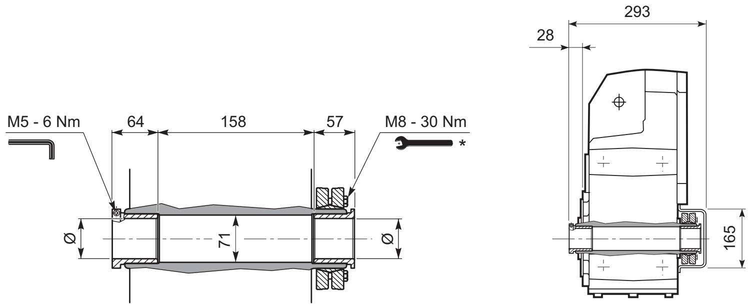


F 60...R

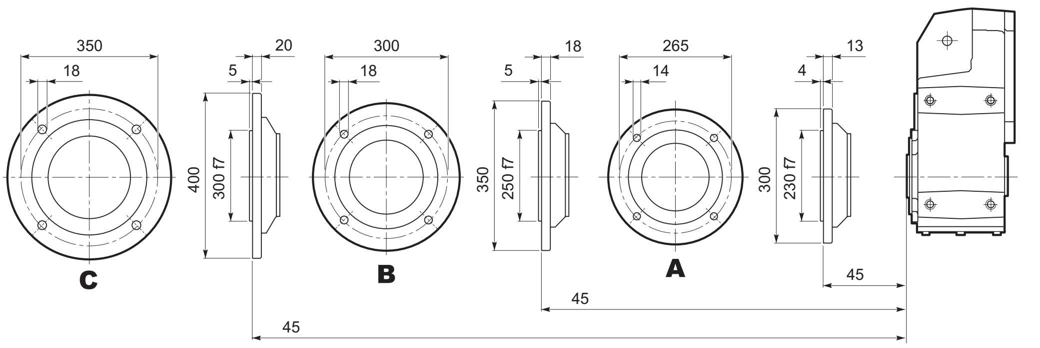


F 60...QF

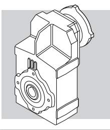
	Ø
QF60	60
QF65	65
QF70	70



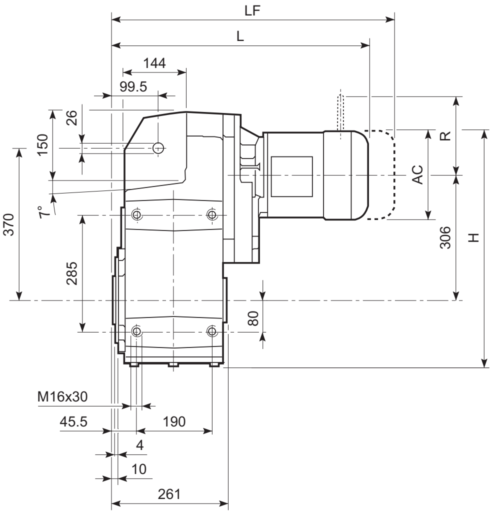
F 60...F...

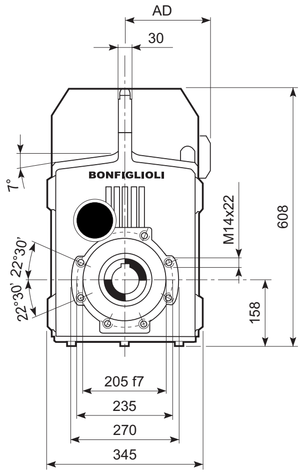


* Attenersi alle ISTRUZIONI PER IL MONTAGGIO fornite con il riduttore.

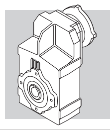


F 70...M/ME/MX

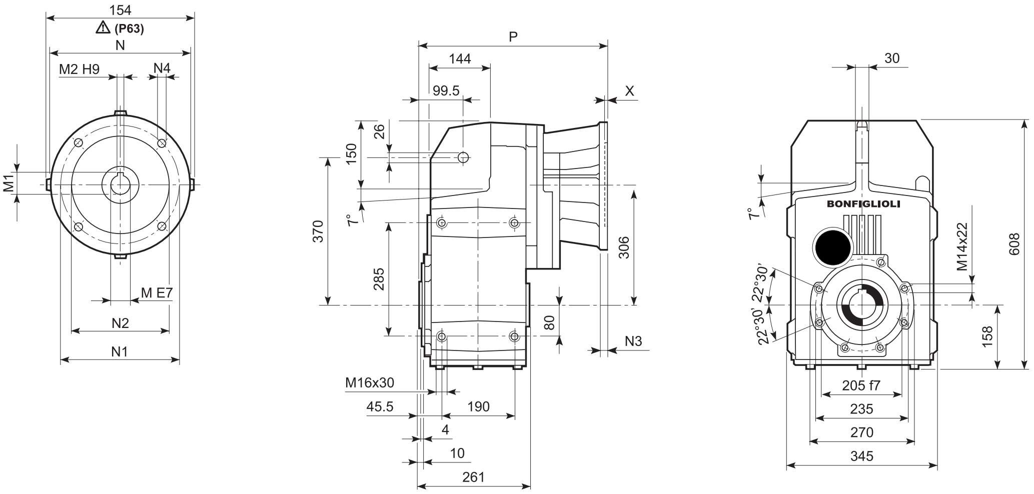




									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 70 3	**S2**	**ME2S**		156	542	552	119	173	—	—	—	—	—	—
F 70 3	**S3**	**ME3S**		195	561.5	595	142	178	—	—	—	—	—	—
F 70 3	**S3**	**ME3L**		195	561.5	627	142	188	—	—	—	—	—	—
F 70 3	**S4**	**ME4**	**MX4**	258	593	735	193	220	—	—	—	—	—	—
F 70 3	**S4**	**ME4LB**	**MX4LA**	258	593	770	193	228	—	—	—	—	—	—
F 70 3	**S5**	**ME5S**	**MX5S**	310	619	821.5	245	248	—	—	—	—	—	—
F 70 3	**S5**	**ME5L**	**MX5L**	310	619	865.5	245	264	—	—	—	—	—	—
F 70 4	**S1**	**M1**		138	533	574	108	173	635	176	103	135	124	108
F 70 4	**S2**	**ME2S**		156	542	603	119	177	—	—	—	—	—	—
F 70 4	**S3**	**ME3S**		195	561.5	646	142	181	—	—	—	—	—	—
F 70 4	**S3**	**ME3L**		195	561.5	678	142	191	—	—	—	—	—	—
F 70 4	**S4**	**ME4**	**MX4**	258	593	786	193	223	—	—	—	—	—	—
F 70 4	**S4**	**ME4LB**	**MX4LA**	258	593	821	193	231	—	—	—	—	—	—

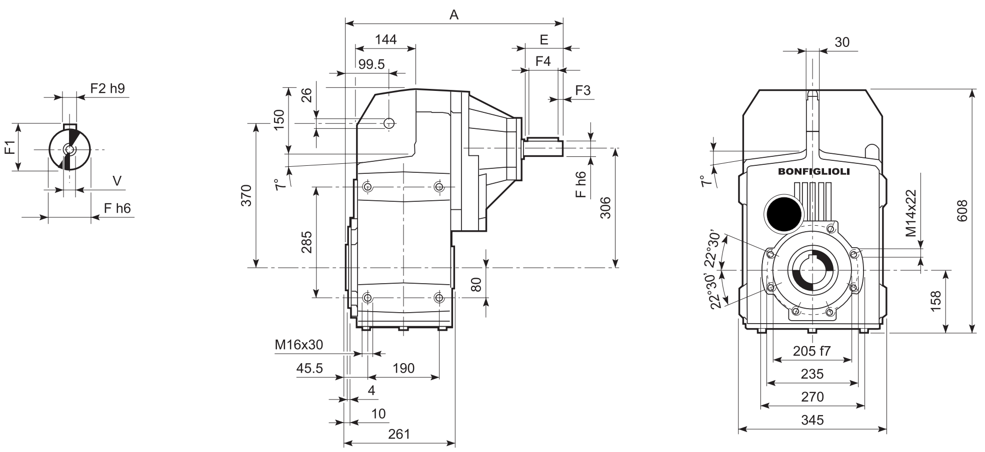


F 70...P(IEC)

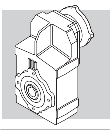


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 70 3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	387.5	167
F 70 3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	387.5	167
F 70 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	397.5	171
F 70 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	397.5	171
F 70 3	**P132**	38	41.3	10	300	265	230	16	14	5	434	173
F 70 3	**P160**	42	45.3	12	350	300	250	23	18	6	489.5	185
F 70 3	**P180**	48	51.8	14	350	300	250	23	18	6	489.5	185
F 70 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	514.5	206
F 70 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	419	168
F 70 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	419	168
F 70 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	438.5	170
F 70 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	438.5	170
F 70 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	174
F 70 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	446.5	174
F 70 4	**P132**	38	41.3	10	300	265	230	16	14	5	482	176

F 70...HS

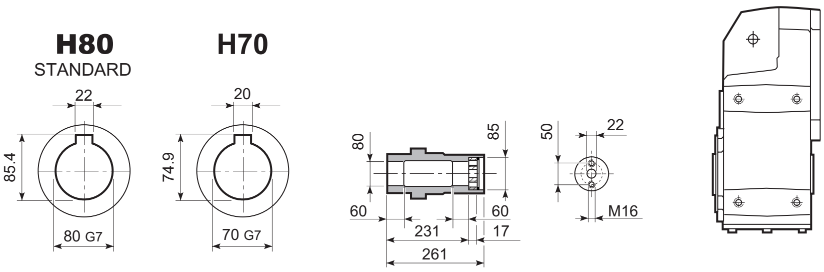


		A	E	F	F1	F2	F3	F4	V	Kg
F 70 3	**HS**	572	110	42	45	12	10	90	M12x28	186
F 70 4		508.5	50	24	27	8	2.5	45	M8x19	174

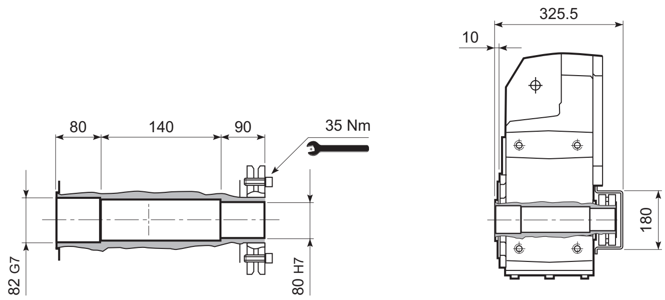


F 70

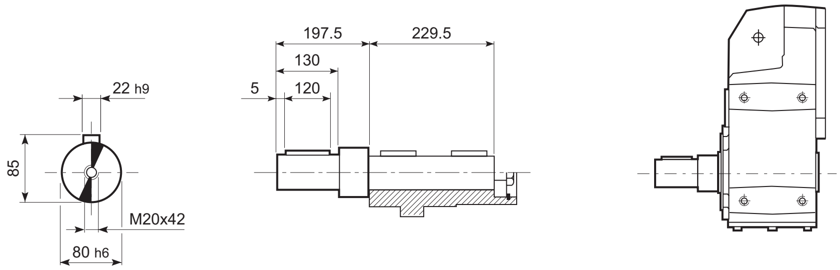
F 70...H



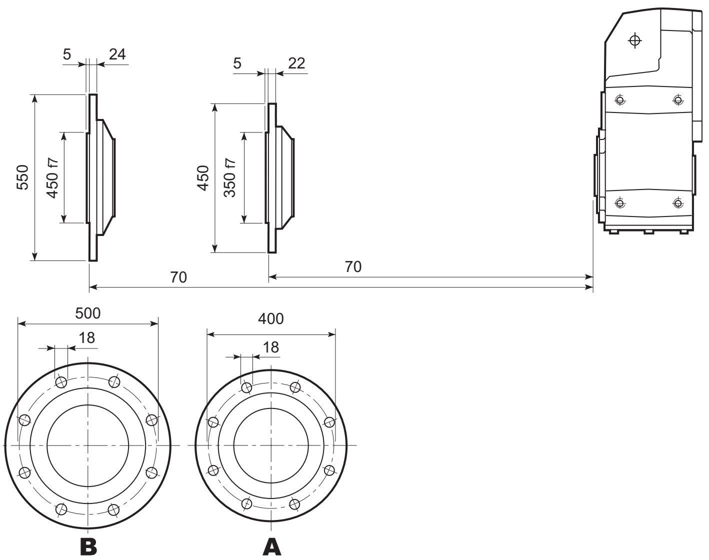
F 70...S

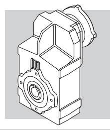


F 70...R

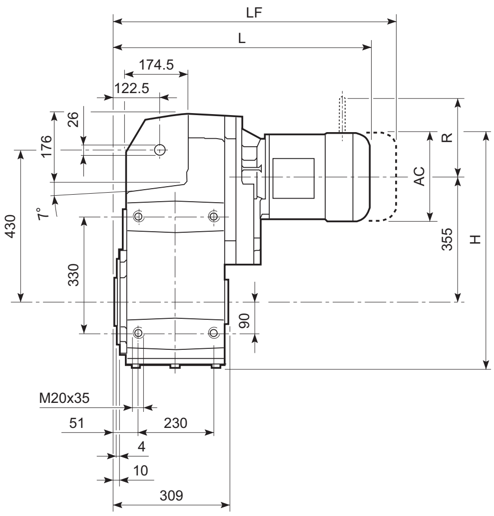


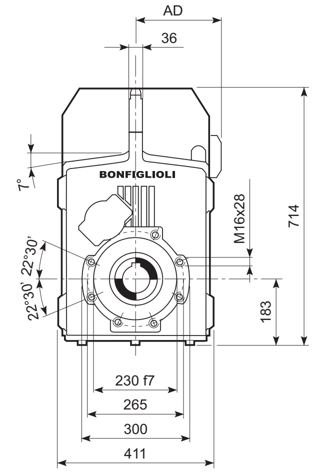
F 70...F...





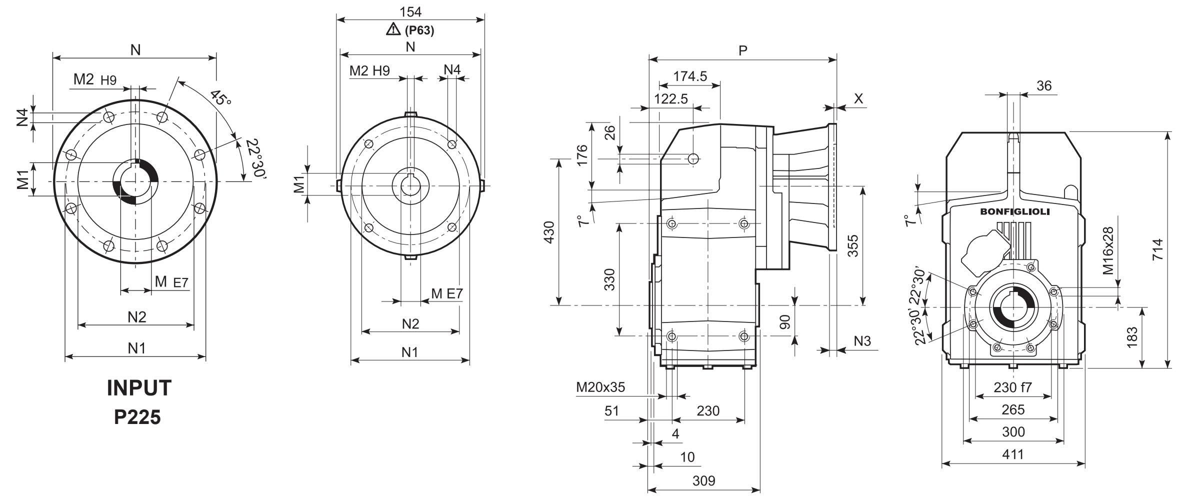
F 80...M/ME/MX





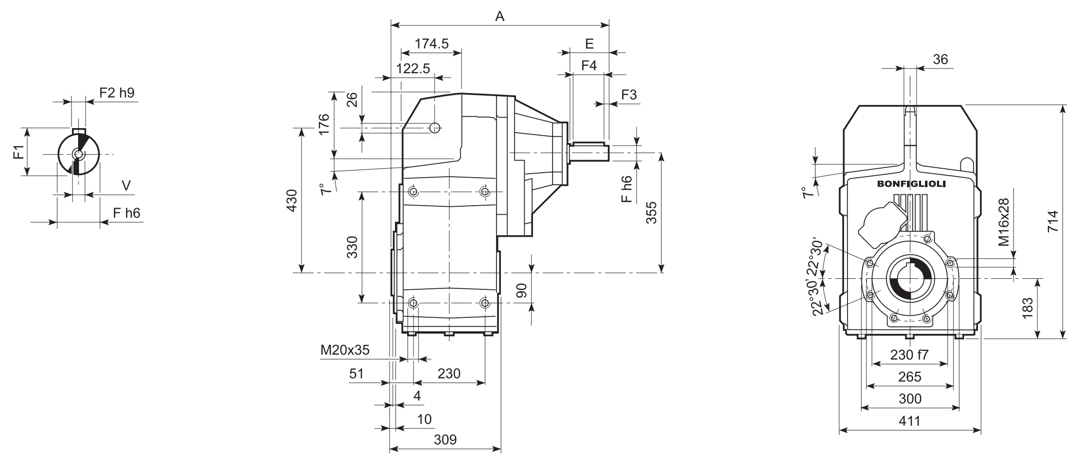
									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 80 3	S3	ME3S		195	635.5	653	142	266	—	—	—	—	—	—
F 80 3	S3	ME3L		195	635.5	685	142	275	—	—	—	—	—	—
F 80 3	S4	ME4	MX4	258	667	793	193	307	—	—	—	—	—	—
F 80 3	S4	ME4LB	MX4LA	258	667	828	193	315	—	—	—	—	—	—
F 80 3	S5	ME5S	MX5S	310	693	879.5	245	335	—	—	—	—	—	—
F 80 3	S5	ME5L	MX5L	310	693	923.5	245	351	—	—	—	—	—	—
F 80 4	S1	M1		138	607	644	108	262	705	265	103	135	124	108
F 80 4	S2	M2S		156	616	673	119	266	743	269	129	146	134	119
F 80 4	S2	ME2S		156	616	673	119	266	—	—	—	—	—	—
F 80 4	S3	ME3S		195	635.5	716	142	271	—	—	—	—	—	—
F 80 4	S3	ME3L		195	635.5	748	142	280	—	—	—	—	—	—
F 80 4	S4	ME4	MX4	258	667	856	193	312	—	—	—	—	—	—
F 80 4	S4	ME4LB	MX4LA	258	667	891	193	320	—	—	—	—	—	—

F 80...P(IEC)

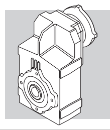


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 80 3	P80	19	21.8	6	200	165	130	—	M10x12	4	445.5	255
F 80 3	P90	24	27.3	8	200	165	130	—	M10x12	4	445.5	255
F 80 3	P100	28	31.3	8	250	215	180	—	M12x16	4.5	455.5	259
F 80 3	P112	28	31.3	8	250	215	180	—	M12x16	4.5	455.5	259
F 80 3	P132	38	41.3	10	300	265	230	16	14	5	492	261
F 80 3	P160	42	45.3	12	350	300	250	23	18	6	547.5	276
F 80 3	P180	48	51.8	14	350	300	250	23	18	6	547.5	276
F 80 3	P200	55	59.3	16	400	350	300	—	M16x25	7	572.5	298
F 80 3	P225	60	64.4	18	450	400	350	25	18	6	618	298
F 80 4	P63	11	12.8	4	140	115	95	—	M8x19	4	489	258
F 80 4	P71	14	16.3	5	160	130	110	—	M8x16	4.5	489	258
F 80 4	P80	19	21.8	6	200	165	130	—	M10x12	4	508.5	260
F 80 4	P90	24	27.3	8	200	165	130	—	M10x12	4	508.5	260
F 80 4	P100	28	31.3	8	250	215	180	—	M12x16	4.5	518.5	264
F 80 4	P112	28	31.3	8	250	215	180	—	M12x16	4.5	518.5	264
F 80 4	P132	38	41.3	10	300	265	230	16	14	5	552	266

F 80...HS

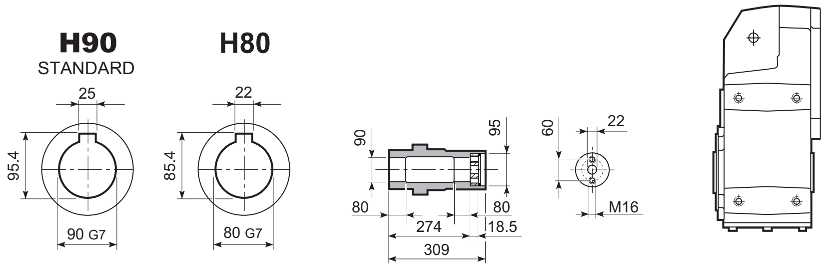


		A	E	F	F1	F2	F3	F4	V	Kg
F 80 3	HS	630	110	42	45	12	10	90	M12x28	273
F 80 4		575.5	50	24	27	8	2.5	45	M8x19	263

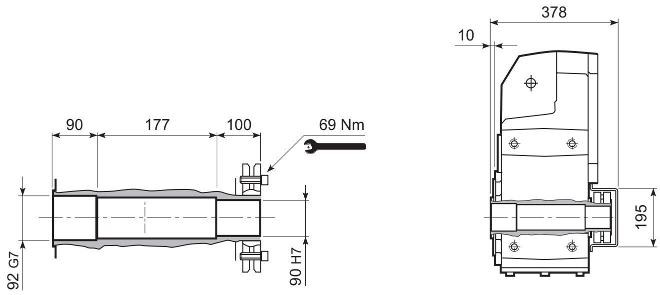


F 80

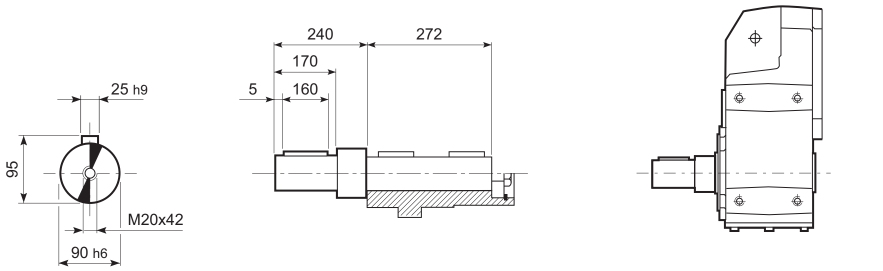
F 80...H



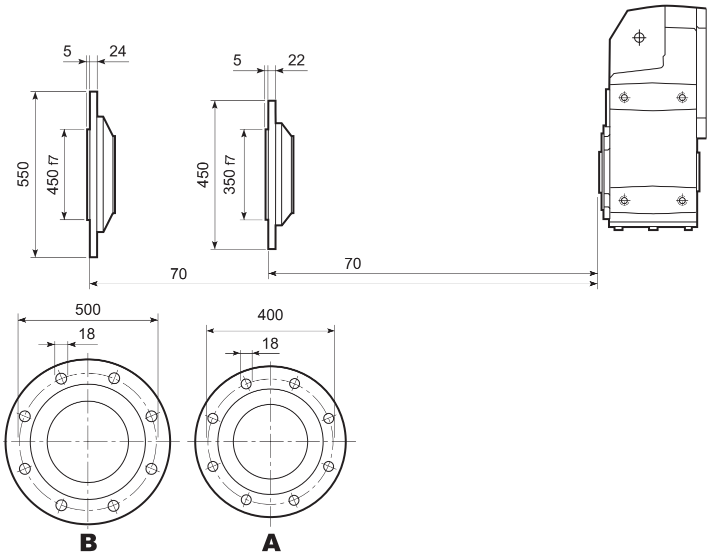
F 80...S

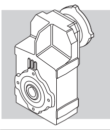


F 80...R

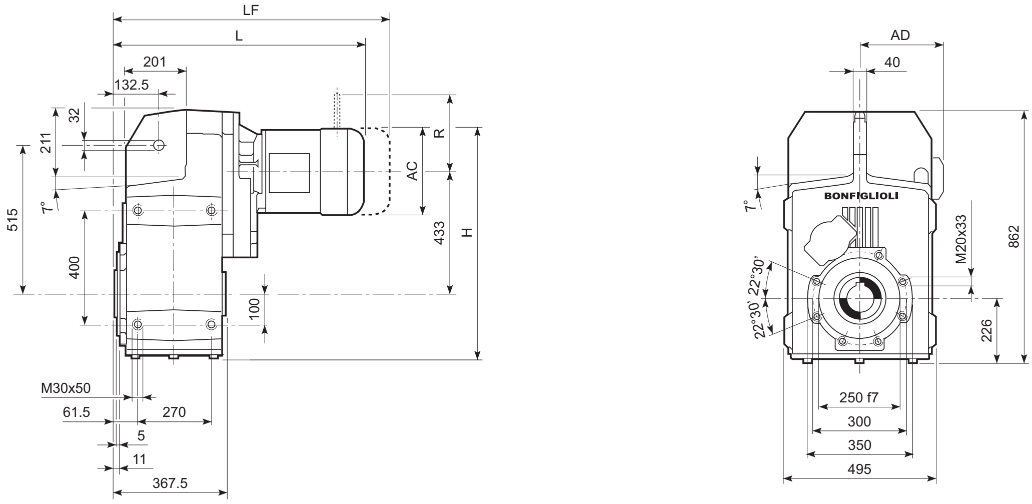


F 80...F...

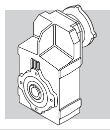




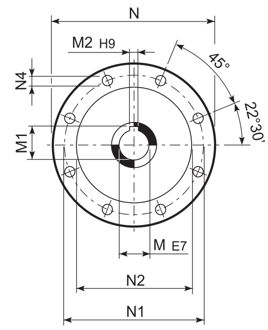
F 90...M/ME/MX



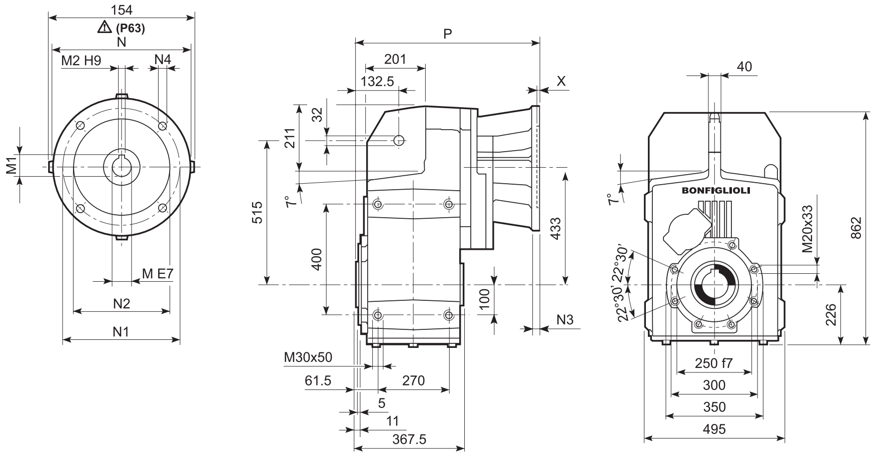
									M...FD M...FA		M...FD		M...FA	
				AC	H	L	AD	Kg	LF	Kg	R	AD	R	AD
F 90 3	**S3**	**ME3S**		195	756	728	142	453	—	—	—	—	—	—
F 90 3	**S3**	**ME3L**		195	756	760	142	462	—	—	—	—	—	—
F 90 3	**S4**	**ME4**	**MX4**	258	787.5	868	193	494	—	—	—	—	—	—
F 90 3	**S5**	**ME5L**	**MX5L**	310	813.5	998.5	245	538	—	—	—	—	—	—
F 90 4	**S2**	**M2S**		156	736.5	768	119	456	838	460	129	146	134	119
F 90 4	**S2**	**ME2S**		156	736.5	768	119	456	—	—	—	—	—	—
F 90 4	**S3**	**ME3S**		195	756	811	142	460	—	—	—	—	—	—
F 90 4	**S3**	**ME3L**		195	756	843	142	470	—	—	—	—	—	—
F 90 4	**S4**	**ME4**	**MX4**	258	787.5	951	193	502	—	—	—	—	—	—
F 90 4	**S4**	**ME4LB**	**MX4LA**	258	787.5	986	193	510	—	—	—	—	—	—



F 90...P(IEC)

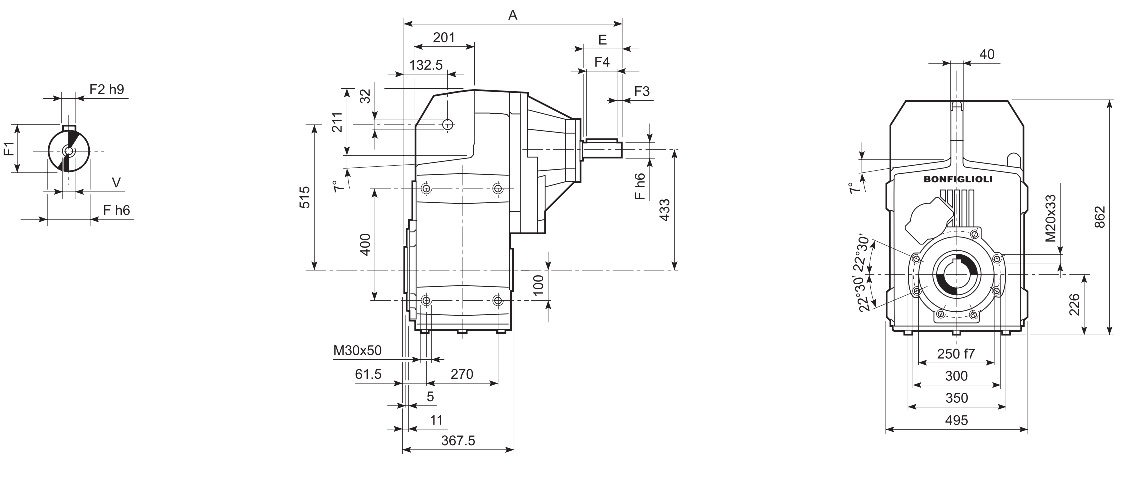


INPUT
P225...P250

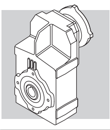


		M	M1	M2	N	N1	N2	N3	N4	X	P	Kg
F 90 3	**P80**	19	21.8	6	200	165	130	—	M10x12	4	520.5	442
F 90 3	**P90**	24	27.3	8	200	165	130	—	M10x12	4	520.5	442
F 90 3	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	530.5	446
F 90 3	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	530.5	446
F 90 3	**P132**	38	41.3	10	300	265	230	16	14	5	567	449
F 90 3	**P160**	42	45.3	12	350	300	250	23	18	6	622.5	463
F 90 3	**P180**	48	51.8	14	350	300	250	23	18	6	622.5	463
F 90 3	**P200**	55	59.3	16	400	350	300	—	M16x25	7	647.5	485
F 90 3	**P225**	60	64.4	18	450	400	350	30	18	6	693	485
F 90 3	**P250**	65	69.4	18	550	500	450	30	18	6	723	507
F 90 4	**P63**	11	12.8	4	140	115	95	—	M8x19	4	584	448
F 90 4	**P71**	14	16.3	5	160	130	110	—	M8x16	4.5	584	448
F 90 4	**P80**	19	21.8	6	200	165	130	—	M10x12	4	603.5	450
F 90 4	**P90**	24	27.3	8	200	165	130	—	M10x12	4	603.5	450
F 90 4	**P100**	28	31.3	8	250	215	180	—	M12x16	4.5	613.5	454
F 90 4	**P112**	28	31.3	8	250	215	180	—	M12x16	4.5	613.5	454
F 90 4	**P132**	38	41.3	10	300	265	230	16	14	5	650	455
F 90 4	**P160**	42	45.3	12	350	300	250	23	18	5.5	700.5	461
F 90 4	**P180**	48	51.8	14	350	300	250	23	18	5.5	700.5	461

F 90...HS

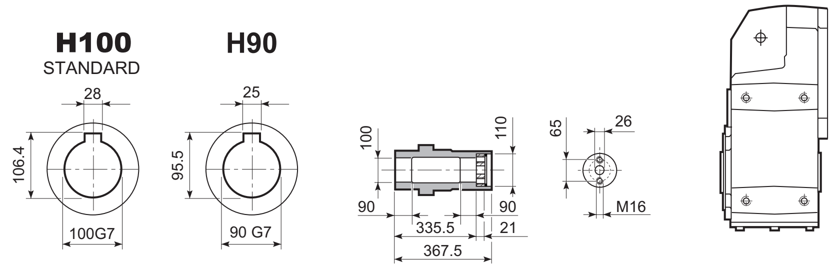


		A	E	F	F1	F2	F3	F4	V	Kg
F 90 3	**HS**	806.5	140	60	64	18	10	120	M16x36	485
F 90 4		673.5	50	24	27	8	2.5	45	M8x19	452

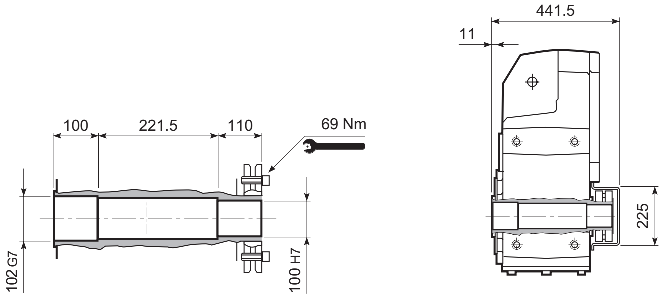


F 90

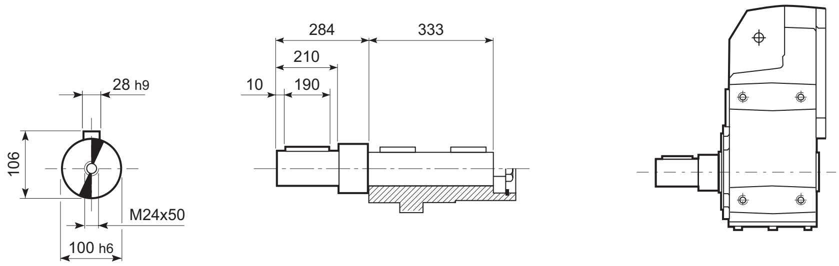
F 90...H



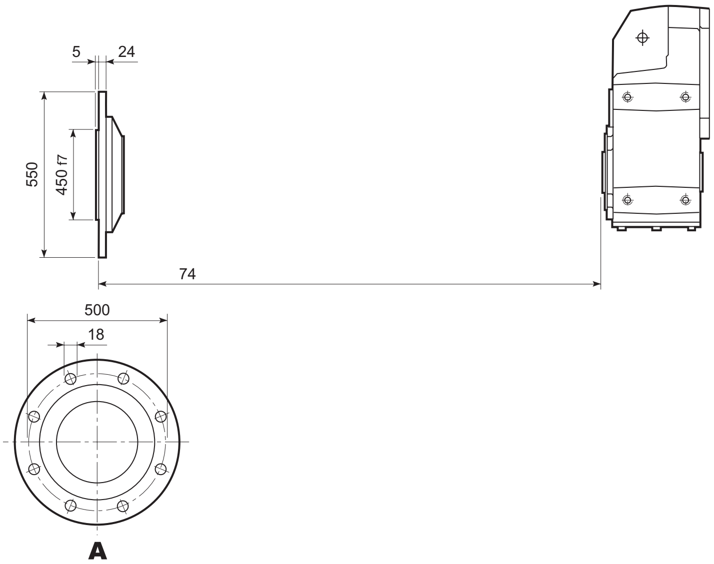
F 90...S



F 90...R



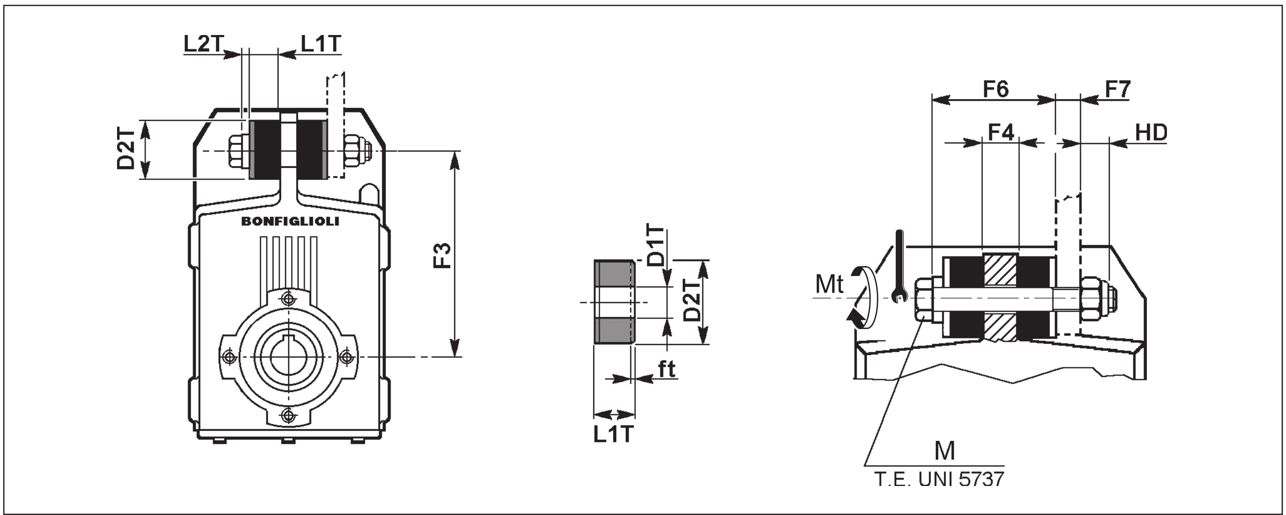
F 90...F...



68 ACCESSORI

Kit antivibrante

I riduttori serie F possono essere corredati, a richiesta, di un kit antivibrante che comprende i componenti necessari per il fissaggio pendolare (braccio di reazione escluso).
Le dimensioni sono riportate nella tabella seguente.



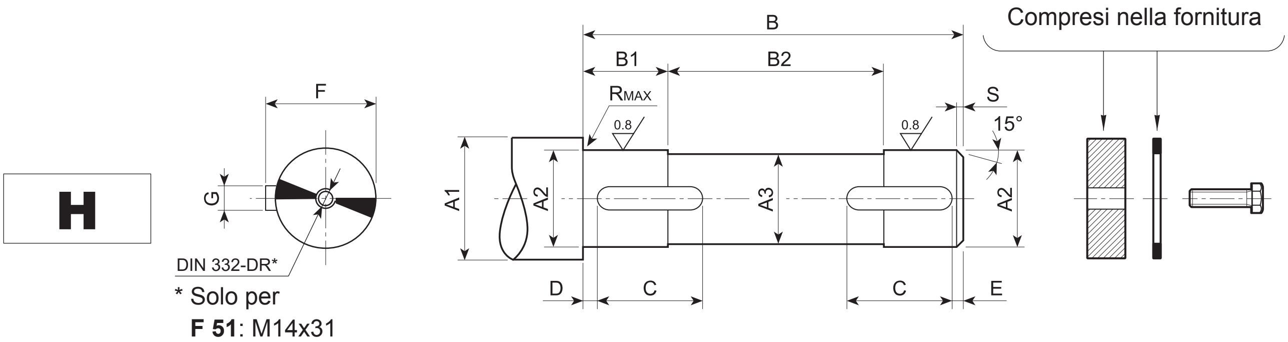
	F3	F4	F6	F7 (max.)	HD	L1T	L2T	D1T	D2T	M	Mt [Nm] []	ft
F 10	140	20	55	10	12.3	15	5	11	30	M10x80	10	1.5
F 20	160	20	55	10	12.3	15	5	11	30	M10x80	10	1.5
F 25	162	20	65	20	14.8	20	5	12.5	40	M12x100	20	1.5
F 31	170	20	65	20	14.8	20	5	12.5	40	M12x100	20	1.5
F 41	218	16	61	24	14.8	20	5	12.5	40	M12x100	20	2.3
F 51	278	20	90	47	23	30	10	21	60	M20x160	50	3.0
F 60	325	26	96	41	23	30	10	21	60	M20x160	50	4.0
F 70	370	30	122	50	28	40	12	25	80	M24x200	100	4.0
F 80	430	36	128	44	28	40	12	25	80	M24x200	100	6.0
F 90	515	40	175	40	33.2	60	15	32	100	M30x260	200	9.0

f_t = variazione dimensionale del tampone di gomma antivibrante.

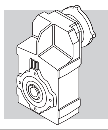
69 ALBERO MACCHINA

Si consiglia di realizzare l'albero condotto che si accoppierà con il riduttore con un acciaio di buona qualità, rispettando le dimensioni riportate in tabella.

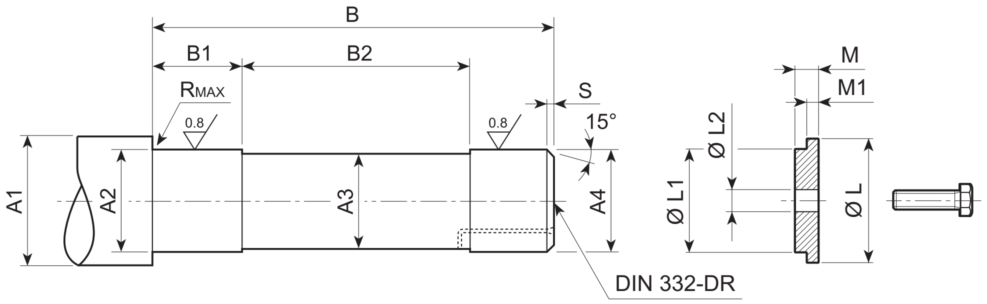
Si suggerisce inoltre di completare il montaggio con un dispositivo di bloccaggio assiale dell'albero, ad esempio come illustrato nel seguito, avendo cura di verificare e dimensionare i vari componenti in funzione delle diverse esigenze applicative.



	A1	A2	A3	B	B1	B2	C	D	E	F	G	R	S	UNI 6604	UNI 5739
F 10	≥ 35	30 h7	29	87.5	15.5	56.5	20	2	2	33	8 h9	0.5	1.5	8x7x20 A	M8x25
	≥ 30	25 h7	24	87.5	15.5	56.5	20	2	2	28	8 h9	0.5	1.5	8x7x20 A	
F 20	≥ 42	35 h7	34	99	18	63	22	2	2	38	10 h9	0.5	1.5	10x8x22 A	M8x30
	≥ 35	30 h7	29	99	18	63	22	2	2	33	8 h9	0.5	1.5	8x7x22 A	
F 25	≥ 47	40 h7	39	104	23	58	30	2	2	43	12 h9	0.5	1.5	12x8x30 A	M8x30
	≥ 42	35 h7	34	104	23	58	30	2	2	38	10 h9	0.5	1.5	10x8x30 A	
F 31	≥ 47	40 h7	39	104	28	48	30	2	2	43	12 h9	0.5	1.5	12x8x30 A	M8x30
	≥ 42	35 h7	34	104	28	48	30	2	2	38	10 h9	0.5	1.5	10x8x30 A	
F 41	≥ 52	45 h7	44	118	27.5	63	45	2.5	2.5	49.5	14 h9	1	2.0	14x9x45 A	M10x30
	≥ 47	40 h7	39	118	27.5	63	45	2.5	2.5	43	12 h9	1	2.0	12x8x45 A	
F 51	≥ 63	55 h7	54	139	33	73	50	2.5	2.5	59	16 h9	1	2.0	16x10x50 A	M14x45
	≥ 57	50 h7	49	139	33	73	50	2.5	2.5	53.5	14 h9	1	2.0	14x9x50 A	
F 60	≥ 78	70 h7	69	180	38	104	70	2.5	2.5	74.5	20 h9	1	2.0	20x12x70 A	M16x45
	≥ 68	60 h7	59	180	38	104	70	2.5	2.5	64	18 h9	1	2.0	18x11x70 A	
F 70	≥ 89	80 h7	79	229	58	113	75	3	3	85	22 h9	2.5	2.5	22x14x75 A	M20x55
	≥ 78	70 h7	69	229	58	113	75	3	3	74.5	20 h9	2.5	2.5	20x12x75 A	
F 80	≥ 99	90 h7	89	272	78	116	100	3	3	95	25 h9	2.5	2.5	25x14x100 A	M20x55
	v 89	80 h7	79	272	78	116	100	3	3	85	22 h9	2.5	2.5	22x14x100 A	
F 90	≥ 111	100 h7	99	333	87.5	158	110	3	3	106	28 h9	2.5	2.5	28x16x110 A	M24x65
	≥ 99	90 h7	89	333	87.5	158	110	3	3	95	25 h9	2.5	2.5	25x14x110 A	

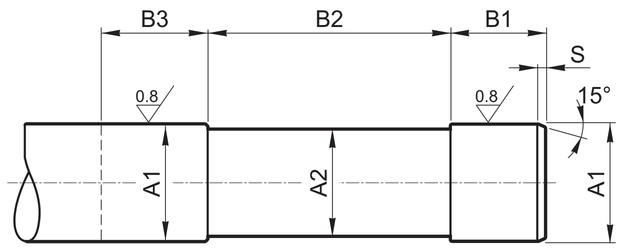


S



	A1	A2	A3	A4	B	B1	B2	R	S	L	L1	L2	M	M1	UNI 5739
F 10	≥ 36	27 h7	24	25 h6	138	34	70	0.5	1.5	29.5	25 d9	9	7	5.5	M8x25
F 20	≥ 42	32 h7	29	30 h6	160	38	84	0.5	1.5	35.5	30 d9	9	7	5.5	M8x25
F 25	≥ 42	32 h7	30	31 h6	172	38	96	0.5	1.5	35.5	31 d9	9	7	5.5	M8x25
F 31	≥ 50	38 h7	35	36 h6	155	40	73	1	2	43	36 d9	9	7	5.5	M8x25
F 41	≥ 58	44 h7	41	42 h6	177	46.5	82	1	2	49	42 d9	11	8.5	7	M10x30
F 51	≥ 68	54 h7	51	52 g6	201	48	91	1	2	61	52 d9	18	9	7.5	M16x45
F 60	≥ 84	67 h7	64	65 g6	248	53	133	1.5	2	80	65 d9	18	9	7.5	M16x45
F 70	≥ 104	82 h7	79	80 g6	308	78	140	2.5	2.5	95	80 d9	22	13.5	12	M20x55
F 80	≥ 114	92 h7	89	90 g6	365	88	177	2.5	2.5	105	90 d9	22	13.5	12	M20x55
F 90	≥ 126	102 h7	99	100 g6	429.5	98	221.5	2.5	2.5	120	100 d9	26	20	18.5	M24x70

QF



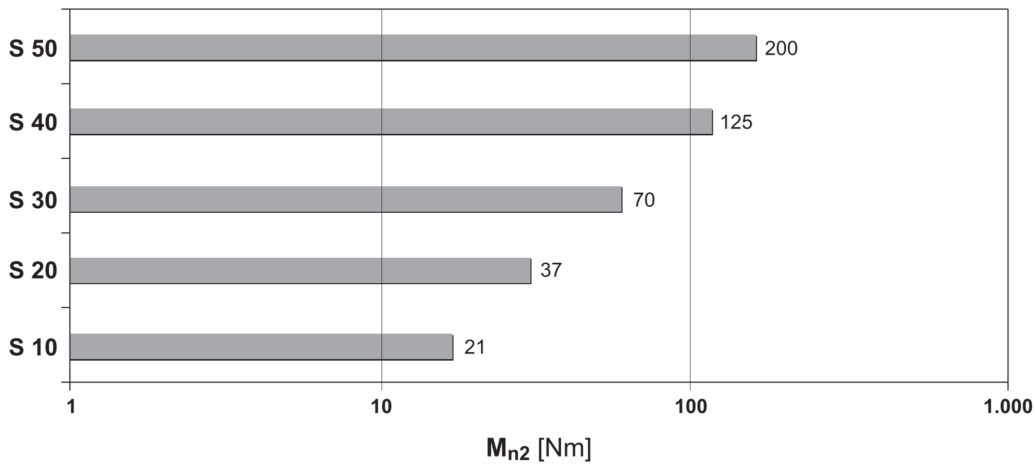
		A1	A2	B1	B2	B3	S
F 10	**QF25**	25 h6	24	41	83	≥ 50	1.5
	QF30	30 h6	29				
F 20	**QF25**	25 h6	24	41	104.5	≥ 50	1.5
	QF30	30 h6	29				
F 25	**QF30**	30 h6	29	41	120.5	≥ 50	1.5
	QF32	32 h6	31				
F 31	**QF35**	35 h6	34	45	95.5	≥ 54	1.5
	QF40	40 h6	39				
F 41	**QF42**	42 h6	41	46	112.5	≥ 55	2
	QF45	45 h6	44				
F 51	**QF50**	50 h6	49	48	131	≥ 57	2
	QF55	55 h6	54				
F 60	**QF60**	60 h6	59	57	158	≥ 66	2.5
	QF65	65 h6	64				
	QF70	70 h6	69				

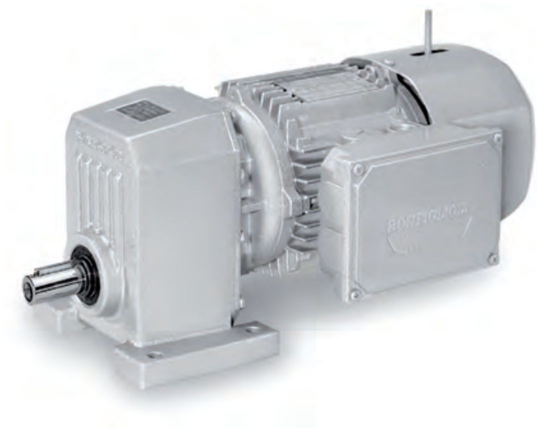
RIDUTTORI MONOSTADIO SERIE S

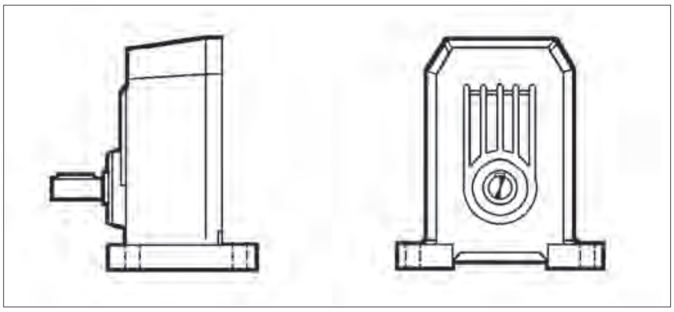
70 CARATTERISTICHE COSTRUTTIVE

Le caratteristiche costruttive salienti sono:
• modularità
• compattezza
• rendimenti elevati
• basso livello di rumorosità
• ingranaggi in acciaio legato cementati e temprati
• casse in alluminio non verniciate nelle grandezze 10, 20, 30,
  casse in ghisa ad alta resistenza, verniciate, nelle altre grandezze
• alberi in entrata e uscita in acciaio ad alta resistenza.

(E 59)



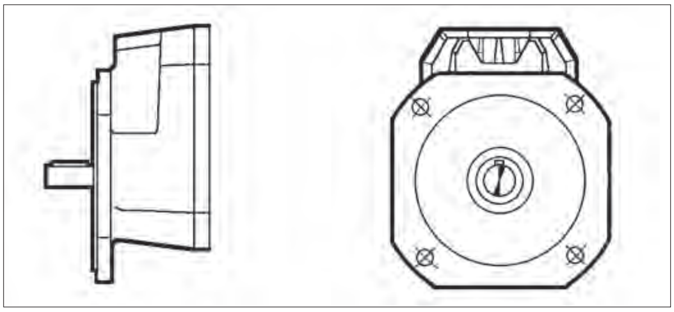




P

Piedi integrali

S 10 ... S 50



F

Flangia integrale

S 10 ... S 50

72 DESIGNAZIONE

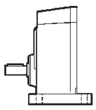
RIDUTTORE

S	10	1	P	1.4	S1	B3	.....

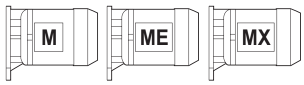
OPZIONI

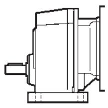
POSIZIONE DI MONTAGGIO
S...P: **B3** (Standard), **B6**, **B7**, **B8**, **V5**, **V6**
S...F: **B5** (Standard), **B51**, **B52**, **B53**, **V1**, **V3**

DESIGNAZIONE INGRESSO



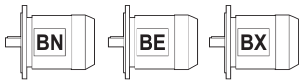
S05	**S3**
S1	**S4**
S2	**S5**

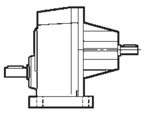




IEC_

P63	**P112**
P71	**P132**
P80	**P160**
P90	**P180**
P100	

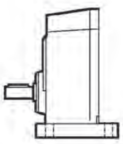




HS

RAPPORTO DI RIDUZIONE

FORMA COSTRUTTIVA



P

F

STADI DI RIDUZIONE
1

GRANDEZZA RIDUTTORE
10, **20**, **30**, **40**, **50**

TIPO RIDUTTORE: **S** = riduttori monostadio

MOTORE — FRENO

M 1LA 4 230/400-50 IP54 CLF ..... **W FD** 7.5 R SB 220 SA .....

OPZIONI

ALIMENTAZIONE FRENO

TIPO RADDRIZZATORE AC/DC
NB, **SB**, **NBR**, **SBR**

LEVA DI SBLOCCO FRENO
R, **RM**

COPPIA FRENANTE

TIPO FRENO
FD (freno c.c.)
FA (freno c.a.)

POSIZIONE MORSETTIERA
W (default), **N**, **E**, **S**

FORMA COSTRUTTIVA
— (motore integrato)
B5 (motore IEC)

CLASSE ISOLAMENTO
CL F standard
CL H option

GRADO DI PROTEZIONE
IP55 standard (IP54 - motore autofrenante)

TENSIONE - FREQUENZA

NUMERO DI POLI
2, **4**, **6**, **2/4**, **2/6**, **2/8**, **2/12**, **4/6**, **4/8**

GRANDEZZA MOTORE
0B ... 5LA (motore integrato)
63A ... 280M (motore IEC)

TIPO MOTORE

MX = trifase integrato, classe IE3	**ME** = trifase integrato, classe IE2	**M** = trifase integrato
BX = trifase IEC, classe IE3	**BE** = trifase IEC, classe IE2	**BN** = trifase IEC

72.1 Opzioni riduttori

SO
I riduttori S10, S20, S30, S40, solitamente forniti con lubrificante dalla BONFIGLIOLI RIDUTTORI, sono forniti privi di lubrificante.

LO
Il riduttore S50 solitamente sprovvisto di lubrificante, è richiesto con olio sintetico del tipo correntemente utilizzato dalla BONFIGLIOLI RIDUTTORI e riempito in accordo alla posizione di montaggio richiesta.

DV
2 Anelli di tenuta sull'albero veloce. (Disponibile solo sui motoriduttori compatti).

VV
Anello di tenuta in fluoro-elastomero sull'albero veloce.

PV
Tutti gli anelli di tenuta in fluoro-elastomero.

PROTEZIONE SUPERFICIALE

I riduttori, che laddove non viene richiesta una classe di protezione specifica, nelle zone verniciate (ferrose) rispettano come requisito minimo la classe di protezione C2 (UNI EN ISO 12944-2), sono forniti con protezione superficiale **C3** e **C4** per una migliore resistenza alla corrosione atmosferica, ottenute mediante verniciatura del gruppo completo.

(E 60)

PROTEZIONE SUPERFICIALE	Ambienti tipici	Temperatura superficiale max.	Classe di corrosività secondo UNI EN ISO 12944-2
C3	Ambienti urbani ed industriali, con umidità relativa dell'aria max.100% (inquinamento ambientale medio)	120°C	C3
C4	Aree industriali, zone costiere, impianti chimici, con umidità relativa dell'aria max.100% (inquinamento ambientale alto)	120°C	C4

I riduttori previsti con le protezioni opzionali **C3** e **C4** sono disponibili in diverse tinte.
Se non specificata nessuna tinta (vedere opzione "VERNICIATURA") la fornitura viene eseguita con la tinta RAL7042.
A richiesta sono fornibili riduttori per classe di corrosività **C5** secondo UNI EN ISO 12944-2, contattando il ns. Servizio tecnico-Commerciale.

VERNICIATURA

I riduttori previsti con le protezioni opzionali C3 e C4 sono disponibili in diverse tinte, secondo la tabella seguente.

(E 61)

VERNICIATURA	Colore	Catalogazione RAL
RAL7042*	Grigio traffico A	7042
RAL5010	Blu genziana	5010
RAL9005	Nero intenso	9005
RAL9006	Alluminio brillante	9006
RAL9010	Bianco puro	9010

* Colore di fornitura standard se non specificato diversamente

NOTA - L'opzione "VERNICIATURA" è configurabile esclusivamente in abbinamento con l'opzione "PROTEZIONE SUPERFICIALE".

PROVE DOCUMENTALI

AC - Attestato di conformità
Documento il cui rilascio attesta la conformità del prodotto all'ordinativo e la costruzione dello stesso in conformità alle procedure standard di processo e di controllo previste dal sistema di Qualità Bonfiglioli Riduttori.

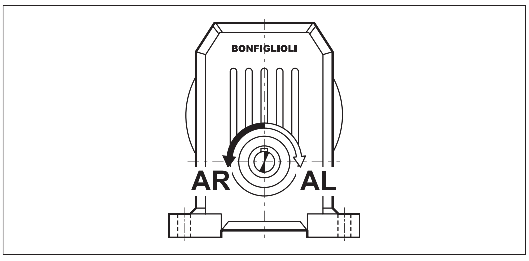
CC - Certificato di collaudo
La specifica comporta la conduzione di verifiche di conformità all'ordine, controlli visivi generali e verifiche strumentali delle dimensioni di accoppiamento. Sono inoltre condotti controlli generali di funzionamento a vuoto e verifiche della funzionalità delle guarnizioni di tenuta in modalità statica e in funzionamento. Il collaudo si applica ad un campione statistico del lotto di spedizione.

72.2 Opzioni motori

AA, AC, AD
Posizione angolare leva di sblocco freno rispetto alla posizione morsettiera visto lato ventola.
Posizione standard = 90° orari. AA = 0°, AC = 180°, AD = 90° antiorari.

AL, AR
Per i motoriduttori equipaggiati con motore integrale serie M o ME, è disponibile l'opzione antiretro collocata sul motore stesso e descritta nella sezione motori elettrici di questo catalogo. La tabella seguente mostra il senso di rotazione libera del riduttore in base alla quale dovrà essere effettuata la scelta dell'opzione.

(E 62)



CF
Filtro capacitivo.

D3
No. 3 sonde bimetalliche negli avvolgimenti con temperatura 150°C.

E3
No. 3 termistori negli avvolgimenti con temperatura 150°C.

F1
Volano per avviamento progressivo.

H1
Riscaldatori anticondensa. Alimentazione standard 1~ 230V ±10%.

PN
Potenza a 60 Hz corrispondente alla potenza normalizzata a 50 Hz.

PS
Doppia estremità d'albero (esclude opzione RC e U1).

RC
Tettuccio parapioggia (esclude opzione PS).

RV
Bilanciamento rotore in grado di vibrazione B.

TC
La variante del tettuccio tipo TC è da specificare quando il motore è installato in ambienti dell'industria tessile.
L'opzione esclude le varianti EN_ .

TP
Tropicalizzazione.

U1
Servoventilazione (esclude opzioni PS e CUS).

U2
Servoventilatore privo di scatola morsettiera, dotato di cavi precablati internamente. Esclude le opzioni PS e CUS. Disponibile per motori: BN 71, BE 80 ... BE 132, M1, ME2 ... ME4.

Per ulteriori informazioni sulle opzioni, consultare i relativi capitoli nella sezione motori elettrici.

73 LUBRIFICAZIONE

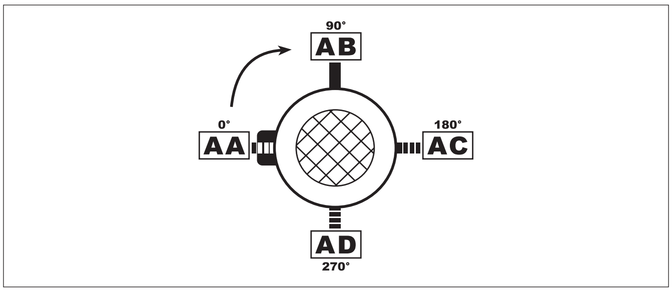
Gli organi interni dei riduttori Bonfiglioli sono lubrificati con un sistema misto di immersione e sbattimento dell'olio.
I gruppi S10, S20, S30 e S40 sono normalmente consegnati con carica di lubrificante dalla fabbrica, o dalla rete di vendita ufficiale.
I gruppi di grandezza S50 sono normalmente forniti privi di lubrificante, e sarà cura dell'utilizzatore riempirli di olio prima della messa in servizio.
In entrambi i casi, a seconda delle versioni, prima della messa in esercizio del riduttore potrebbe essere necessario sostituire il tappo chiuso usato per il trasporto con il tappo di sfiato fornito a corredo.
Per le tavole di riferimento della collocazione dei tappi di servizio e delle quantità di lubrificante, riferirsi al Manuale Uso e Manutenzione (disponibilie su www.bonfiglioli.com).
Il lubrificante "long life" fornito di serie è di natura sintetica e, a meno di contaminazione dall'esterno, non richiede sostituzioni periodiche per tutto l'arco di vita del riduttore.
Il funzionamento dei riduttori è ammesso per temperature ambiente comprese fra -20°C e +40°C. Per temperature ambiente comprese fra -20°C e -10°C l'avviamento del riduttore potrà avvenire solo dopo aver effettuato un pre-riscaldamento progressivo ed omogeneo del gruppo, oppure con funzionamento "a vuoto", senza carico collegato.
Il carico potrà poi essere applicato all'albero del riduttore quando la temperatura dello stesso avrà raggiunto la temperatura di -10°C, o superiore.

74 POSIZIONI DI MONTAGGIO E ORIENTAMENTO MORSETTIERA

Gli orientamenti delle morsettiere dei motori sono identificati osservando il motore dal lato ventola; l'orientamento standard è evidenziato in nero (W).

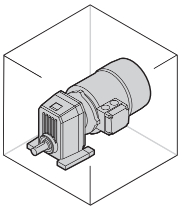
Posizione angolare leva di sblocco freno.
Nei motori autofrenanti, la leva di sblocco freno (se richiesta) ha l'orientamento standard a 90° rispetto alla morsettiera (posizione AB); specificare con relative opzioni qualora l'orientamento desiderato sia diverso.

(E 63)



S ... P

B3



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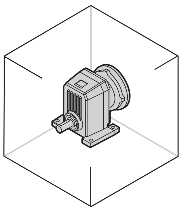

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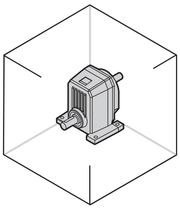

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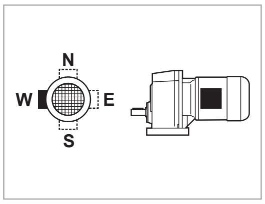

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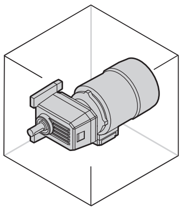

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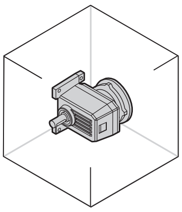

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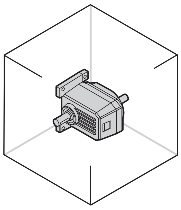

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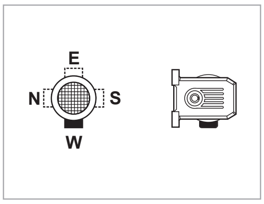

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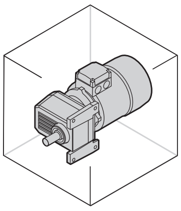

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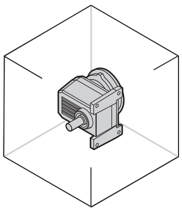

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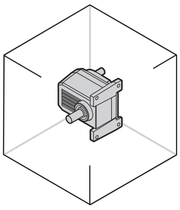

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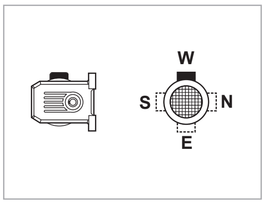

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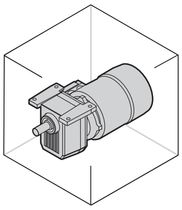

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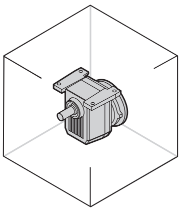

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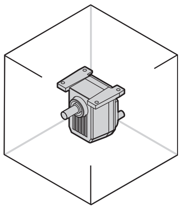

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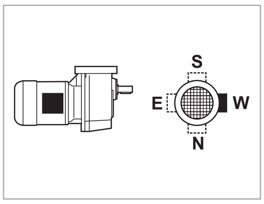

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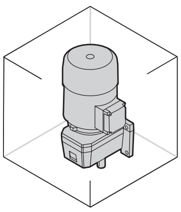

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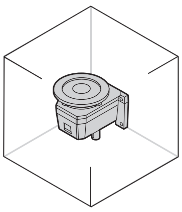

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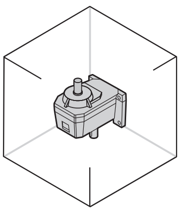

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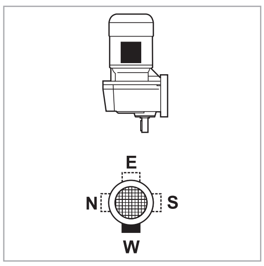

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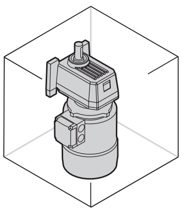

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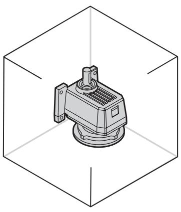

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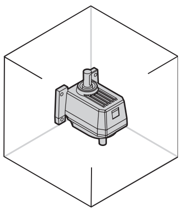

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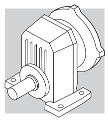
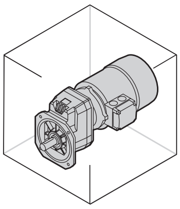


S ... F

B5



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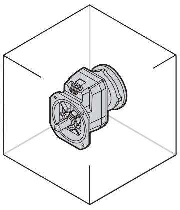

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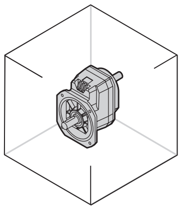

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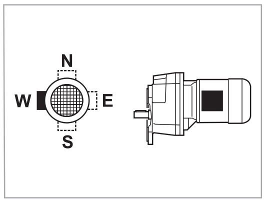

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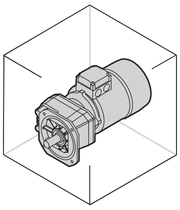

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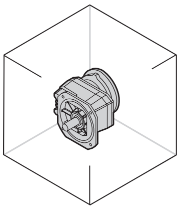

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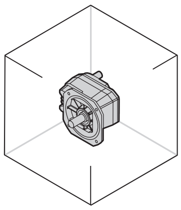

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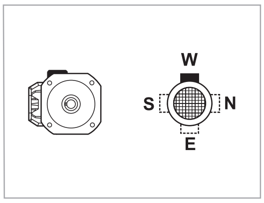

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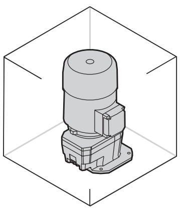

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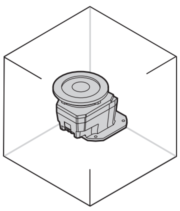

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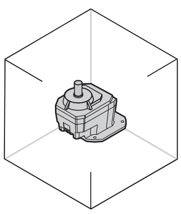

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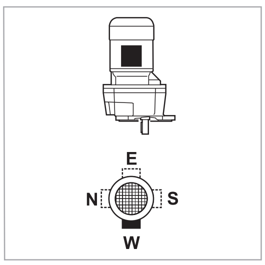

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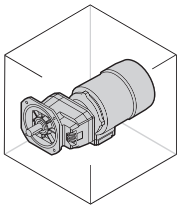

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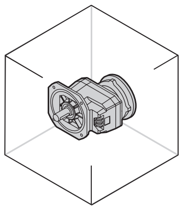

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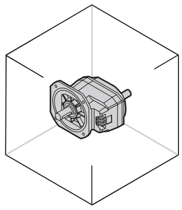

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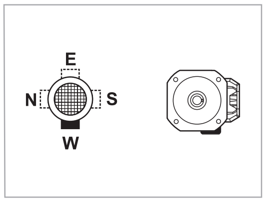

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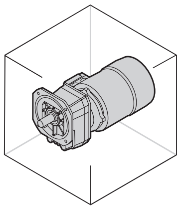

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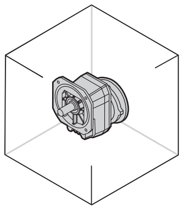

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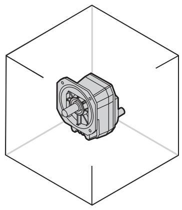

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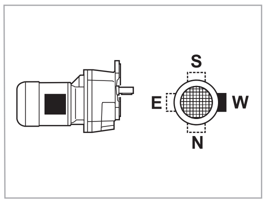

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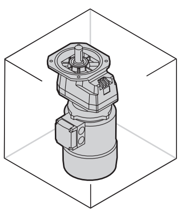

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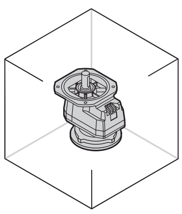

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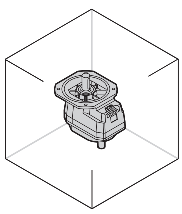

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75 CARICHI RADIALI

Organi di trasmissione calettati sugli alberi di ingresso e/o di uscita del riduttore generano forze la cui risultante agisce in senso radiale sull'albero stesso.
L'entità di questi carichi deve essere compatibile con la capacità di sopportazione del sistema albero-cuscinetti del riduttore, in particolare il valore assoluto del carico applicato (R_{c1} per albero di ingresso, R_{c2} per albero di uscita) deve essere inferiore al valore nominale (R_{n1} per albero di ingresso, R_{n2} per albero di uscita) riportato nelle tabelle dati tecnici.
Nelle formule che seguono l'indice (1) si riferisce a grandezze relative all'albero veloce, l'indice (2) all'albero lento.
Il carico generato da una trasmissione esterna può essere calcolato, con buona approssimazione, tramite la formula seguente:

$$R_{c1}\left[N\right]=\frac{2000\cdot M_1\left[Nm\right]\cdot K_r}{d\left[mm\right]} \quad ; \quad R_{c2}\left[N\right]=\frac{2000\cdot M_2\left[Nm\right]\cdot K_r}{d\left[mm\right]} \qquad (44)$$

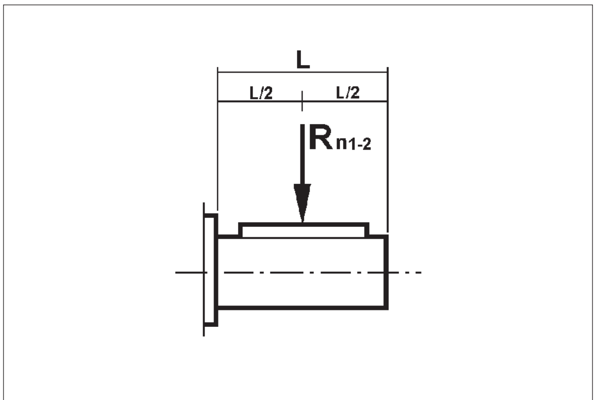
(E 64)

M_1 [Nm]	Coppia applicata all'albero veloce
M_2 [Nm]	Coppia erogata all'albero lento
d [mm]	Diametro primitivo dell'organo calettato sull'albero
K_r = 1	Trasmissione con catena

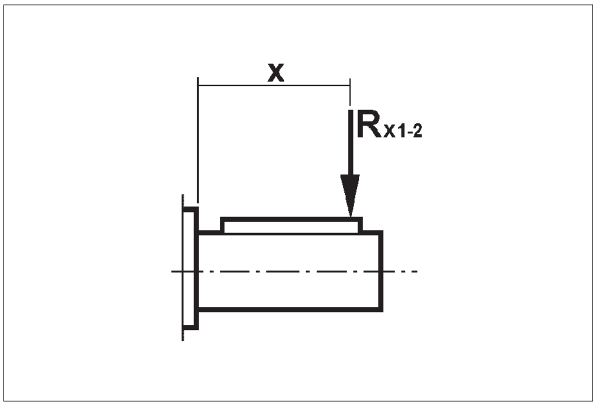
K_r = 1,25	Trasmissione con ingranaggio
K_r = 1,5	Trasmissione a cinghia trapezoidale
K_r = 2,0	Trasmissione a cinghia piatta

In base al punto di applicazione del carico sull'albero la verifica di compatibilità procederà in modi diversi e in particolare:

(E 65)



(E 66)



a) Applicazione in mezzeria, tab. (E65)

Il carico precedentemente calcolato si dovrà confrontare con il corrispondente valore nominale esposto a catalogo e dovrà verificarsi:

$R_{c1} \leq R_{n1}$ [albero veloce]

oppure

$R_{c2} \leq R_{n2}$ [albero lento]

b) Applicazione spostata dalla mezzeria, tab. (E66)

L'applicazione del carico ad una distanza "x" dalla battuta dell'albero comporta il ricalcolo del valore ammissibile a detta distanza.
Il nuovo valore è individuato con i simboli R_{x1} (ingresso) e R_{x2} (uscita) e si ricava dai valori di catalogo, rispettivamente R_{n1} e R_{n2}, tramite l'elaborazione del fattore:

$$\frac{a}{b+x} \tag{45}$$

(E 67)

	Costanti del riduttore					
	Albero lento			Albero veloce		
	a	**b**	**c**	**a**	**b**	**c**
S 10 1	61	46	200	21	1	300
S 20 1	73.5	53.5	270	40	20	350
S 30 1	91.5	66.5	380	38.5	18.5	350
S 40 1	126.5	96.5	600	49.5	24.5	450
S 50 1	153.5	113.5	680	49.5	24.5	450

La procedura di verifica comporta passi successivi che sono qui descritti.

ALBERO VELOCE

1. Calcolo di:

$$R_{x1} = R_{n1} \cdot \frac{a}{b+x} \tag{46}$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \tag{47}$$

Infine si dovrà verificare che:

$$R_{c1} \leq R_{x1} \quad (48)$$

ALBERO LENTO

1. Calcolo di:

$$R_{x2} = R_{n2} \cdot \frac{a}{b+x} \quad (49)$$

N.B. A condizione che:

$$\frac{L}{2} \leq x \leq c \quad (50)$$

Infine si dovrà verificare che:

$$R_{c2} \leq R_{x2} \quad (51)$$

76 CARICHI ASSIALI, A_{n1}, A_{n2}

I valori di carico assiale ammissibile sugli alberi veloce [A_{n1}] e lento [A_{n2}] si possono ricavare con riferimento al corrispondente valore di carico radiale [R_{n1}] e [R_{n2}] tramite le espressioni che seguono:

$$A_{n1} = R_{n1} \cdot 0.2$$
$$A_{n2} = R_{n2} \cdot 0.2 \quad (52)$$

I valori di carico assiale ammissibile così calcolati si riferiscono al caso di forze assiali agenti contemporaneamente ai carichi radiali nominali.
Nel solo caso in cui il valore del carico radiale agente sull’albero del riduttore sia nullo, si può considerare il carico assiale ammissibile [A_n] pari al 50% del valore di carico radiale ammissibile [R_n] sullo stesso albero.
In presenza di carichi assiali eccedenti il valore ammissibile, o di forze assiali fortemente prevalenti sui carichi radiali, è consigliabile contattare il Servizio Tecnico di Bonfiglioli Riduttori per una verifica puntuale.

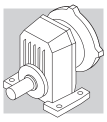
La selezione dei motori senza freno tiene conto delle prescrizioni del Regolamento CE 640/2009 (si veda sezione **M** di questo catalogo). Per potenze nominali inferiori a 0.75kW, possono essere previsti i motori BN/M.
Il Regolamento CE 640/2009 non si applica ai motori autofrenanti, pertanto la selezione dei motori autofrenanti tiene conto dei motori BN/M, a prescindere dal valore della potenza nominale. I motori BX, BE, MX e ME autofrenanti sono disponibili a richiesta.

0.09 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
69	12.1	2.9	13.1	2400			**S301_13.1 P63 BN63A6**	491
73	11.5	1.7	12.4	1500	**S201_12.4 S05 M05A6**	488	**S201_12.4 P63 BN63A6**	489
74	11.4	1.1	12.3	1160	**S101_12.3 S05 M05A6**	486	**S101_12.3 P63 BN63A6**	487
85	10.0	2.0	10.8	1500	**S201_10.8 S05 M05A6**	488	**S201_10.8 P63 BN63A6**	489
88	9.5	1.3	10.3	1100	**S101_10.3 S05 M05A6**	486	**S101_10.3 P63 BN63A6**	487
103	8.2	1.5	8.9	1060	**S101_8.9 S05 M05A6**	486	**S101_8.9 P63 BN63A6**	487
107	7.9	2.5	8.5	1500	**S201_8.5 S05 M05A6**	488	**S201_8.5 P63 BN63A6**	489
132	6.4	2.7	6.9	990	**S101_6.9 S05 M05A6**	486	**S101_6.9 P63 BN63A6**	487
149	5.7	3.0	6.1	960	**S101_6.1 S05 M05A6**	486	**S101_6.1 P63 BN63A6**	487
193	4.4	3.2	4.7	890	**S101_4.7 S05 M05A6**	486	**S101_4.7 P63 BN63A6**	487
237	3.6	3.9	3.8	830	**S101_3.8 S05 M05A6**	486	**S101_3.8 P63 BN63A6**	487
284	3.0	4.7	3.2	790	**S101_3.2 S05 M05A6**	486	**S101_3.2 P63 BN63A6**	487
364	2.3	5.2	2.5	730	**S101_2.5 S05 M05A6**	486	**S101_2.5 P63 BN63A6**	487
485	1.7	6.9	1.9	670	**S101_1.9 S05 M05A6**	486	**S101_1.9 P63 BN63A6**	487
640	1.3	9.1	1.4	610	**S101_1.4 S05 M05A6**	486	**S101_1.4 P63 BN63A6**	487

0.12 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
69	16.2	2.2	13.1	2400			**S301_13.1 P63 BN63A4**	491
73	15.3	1.3	12.4	1500	**S201_12.4 S05 M05B6**	488	**S201_12.4 P63 BN63B6**	489
85	13.3	1.5	10.8	1500	**S201_10.8 S05 M05B6**	488	**S201_10.8 P63 BN63B6**	489
88	12.7	2.8	10.3	2400			**S301_10.3 P63 BN63B6**	491
88	12.7	0.9	10.3	1060	**S101_10.3 S05 M05B6**	486	**S101_10.3 P63 BN63B6**	487
102	11.0	3.2	8.9	2400			**S301_8.9 P63 BN63B6**	491
103	11.0	1.1	8.9	1030	**S101_8.9 S05 M05B6**	486	**S101_8.9 P63 BN63B6**	487
107	10.5	2.8	13.1	2400			**S301_13.1 P63 BN63B6**	491
107	10.5	1.9	8.5	1500	**S201_8.5 S05 M05B6**	488	**S201_8.5 P63 BN63B6**	489
113	10.0	1.7	12.4	1500	**S201_12.4 S05 M05A4**	488	**S201_12.4 P63 BN63A4**	489
114	9.9	1.0	12.3	1000	**S101_12.3 S05 M05A4**	486	**S101_12.3 P63 BN63A4**	487
126	8.9	3.4	7.2	1500	**S201_7.2 S05 M05B6**	488	**S201_7.2 P63 BN63B6**	489
130	8.6	2.0	10.8	1500	**S201_10.8 S05 M05A4**	488	**S201_10.8 P63 BN63A4**	489
132	8.5	2.0	6.9	960	**S101_6.9 S05 M05B6**	486	**S101_6.9 P63 BN63B6**	487
136	8.3	1.2	10.3	960	**S101_10.3 S05 M05A4**	486	**S101_10.3 P63 BN63A4**	487
149	7.5	2.3	6.1	940	**S101_6.1 S05 M05B6**	486	**S101_6.1 P63 BN63B6**	487



0.12 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
158	7.1	1.4	8.9	920	**S101_8.9 S05 M05A4**	486	**S101_8.9 P63 BN63A4**	487
165	6.8	2.5	8.5	1500	**S201_8.5 S05 M05A4**	488	**S201_8.5 P63 BN63A4**	489
193	5.8	2.4	4.7	870	**S101_4.7 S05 M05B6**	486	**S101_4.7 P63 BN63B6**	487
203	5.5	2.7	6.9	860	**S101_6.9 S05 M05A4**	486	**S101_6.9 P63 BN63A4**	487
229	4.9	3.1	6.1	830	**S101_6.1 S05 M05A4**	486	**S101_6.1 P63 BN63A4**	487
237	4.7	2.9	3.8	820	**S101_3.8 S05 M05B6**	486	**S101_3.8 P63 BN63B6**	487
284	3.9	3.5	3.2	780	**S101_3.2 S05 M05B6**	486	**S101_3.2 P63 BN63B6**	487
296	3.8	3.2	4.7	770	**S101_4.7 S05 M05A4**	486	**S101_4.7 P63 BN63A4**	487
364	3.1	3.9	3.8	720	**S101_3.8 S05 M05A4**	486	**S101_3.8 P63 BN63A4**	487
364	3.1	3.9	2.5	720	**S101_2.5 S05 M05B6**	486	**S101_2.5 P63 BN63B6**	487
438	2.6	4.7	3.2	680	**S101_3.2 S05 M05A4**	486	**S101_3.2 P63 BN63A4**	487
485	2.3	5.2	1.9	660	**S101_1.9 S05 M05B6**	486	**S101_1.9 P63 BN63B6**	487
560	2.0	5.0	2.5	630	**S101_2.5 S05 M05A4**	486	**S101_2.5 P63 BN63A4**	487
640	1.8	6.8	1.4	600	**S101_1.4 S05 M05B6**	486	**S101_1.4 P63 BN63B6**	487
747	1.5	6.6	1.9	580	**S101_1.9 S05 M05A4**	486	**S101_1.9 P63 BN63A4**	487
985	1.1	8.8	1.4	530	**S101_1.4 S05 M05A4**	486	**S101_1.4 P63 BN63A4**	487

0.18 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
69	24.6	1.4	13.1	2400			**S301_13.1 P71 BN71A6**	491
73	23.2	2.5	12.4	3800	**S401_12.4 S1 M1SC6**	492	**S401_12.4 P71 BN71A6**	493
84	20.1	1.0	10.8	1500			**S201_10.8 P71 BN71A6**	489
84	20.0	2.9	10.7	3800	**S401_10.7 S1 M1SC6**	492	**S401_10.7 P71 BN71A6**	493
87	19.3	1.8	10.3	2400	**S301_10.3 S1 M1SC6**	490	**S301_10.3 P71 BN71A6**	491
101	16.6	2.1	8.9	2400	**S301_8.9 S1 M1SC6**	490	**S301_8.9 P71 BN71A6**	491
106	15.9	1.3	8.5	1500	**S201_8.5 S1 M1SC6**	488	**S201_8.5 P71 BN71A6**	489
106	15.9	1.9	13.1	2400			**S301_13.1 P63 BN63B4**	491
112	15.1	1.1	12.4	1500	**S201_12.4 S05 M05B4**	488	**S201_12.4 P63 BN63B4**	489
112	15.0	3.3	12.4	3800			**S401_12.4 P63 BN63B4**	493
125	13.5	2.2	7.2	1500	**S201_7.2 S1 M1SC6**	488	**S201_7.2 P71 BN71A6**	489
129	13.0	1.3	10.8	1500	**S201_10.8 S05 M05B4**	488	**S201_10.8 P63 BN63B4**	489
130	12.9	1.3	6.9	910	**S101_6.9 S1 M1SC6**	486	**S101_6.9 P71 BN71A6**	487
135	12.5	2.4	10.3	2330			**S301_10.3 P63 BN63B4**	491
147	11.4	1.5	6.1	890	**S101_6.1 S1 M1SC6**	486	**S101_6.1 P71 BN71A6**	487
155	10.9	2.8	5.8	1500	**S201_5.8 S1 M1SC6**	488	**S201_5.8 P71 BN71A6**	489
156	10.8	2.8	8.9	2230			**S301_8.9 P63 BN63B4**	491
157	10.8	0.9	8.9	880	**S101_8.9 S05 M05B4**	486	**S101_8.9 P63 BN63B4**	487
164	10.3	1.7	8.5	1500	**S201_8.5 S05 M05B4**	488	**S201_8.5 P63 BN63B4**	489
189	8.9	3.4	4.8	1500	**S201_4.8 S1 M1SC6**	488	**S201_4.8 P71 BN71A6**	489
190	8.8	1.6	4.7	830	**S101_4.7 S1 M1SC6**	486	**S101_4.7 P71 BN71A6**	487
192	8.8	3.0	7.2	1500	**S201_7.2 S05 M05B4**	488	**S201_7.2 P63 BN63B4**	489
201	8.4	1.8	6.9	820	**S101_6.9 S05 M05B4**	486	**S101_6.9 P63 BN63B4**	487
214	7.9	3.1	13.1	2020			**S301_13.1 P63 BN63A2**	491
226	7.5	1.7	12.4	1480	**S201_12.4 S05 M05A2**	488	**S201_12.4 P63 BN63A2**	489
227	7.4	2.0	6.1	800	**S101_6.1 S05 M05B4**	486	**S101_6.1 P63 BN63B4**	487
228	7.4	1.1	12.3	800	**S101_12.3 S05 M05A2**	486	**S101_12.3 P63 BN63A2**	487
234	7.2	1.9	3.8	790	**S101_3.8 S1 M1SC6**	486	**S101_3.8 P71 BN71A6**	487
261	6.4	2.0	10.8	1420	**S201_10.8 S05 M05A2**	488	**S201_10.8 P63 BN63A2**	489
273	6.2	1.3	10.3	760	**S101_10.3 S05 M05A2**	486	**S101_10.3 P63 BN63A2**	487
281	6.0	2.3	3.2	750	**S101_3.2 S1 M1SC6**	486	**S101_3.2 P71 BN71A6**	487
294	5.7	2.1	4.7	750	**S101_4.7 S05 M05B4**	486	**S101_4.7 P63 BN63B4**	487
317	5.3	1.5	8.9	730	**S101_8.9 S05 M05A2**	486	**S101_8.9 P63 BN63A2**	487

0.18 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
331	5.1	2.6	8.5	1320	**S201_8.5 S05 M05A2**	488	**S201_8.5 P63 BN63A2**	489
360	4.7	2.6	2.5	700	**S101_2.5 S1 M1SC6**	486	**S101_2.5 P71 BN71A6**	487
361	4.7	2.6	3.8	700	**S101_3.8 S05 M05B4**	486	**S101_3.8 P63 BN63B4**	487
407	4.1	2.9	6.9	680	**S101_6.9 S05 M05A2**	486	**S101_6.9 P63 BN63A2**	487
434	3.9	3.1	3.2	670	**S101_3.2 S05 M05B4**	486	**S101_3.2 P63 BN63B4**	487
460	3.7	3.3	6.1	660	**S101_6.1 S05 M05A2**	486		
480	3.5	3.4	1.9	640	**S101_1.9 S1 M1SC6**	486	**S101_1.9 P71 BN71A6**	487
556	3.0	3.3	2.5	620	**S101_2.5 S05 M05B4**	486	**S101_2.5 P63 BN63B4**	487
594	2.8	3.5	4.7	610	**S101_4.7 S05 M05A2**	486	**S101_4.7 P63 BN63A2**	487
633	2.7	4.5	1.4	590	**S101_1.4 S1 M1SC6**	486	**S101_1.4 P71 BN71A6**	487
731	2.3	4.3	3.8	570	**S101_3.8 S05 M05A2**	486	**S101_3.8 P63 BN63A2**	487
741	2.3	4.4	1.9	570	**S101_1.9 S05 M05B4**	486	**S101_1.9 P63 BN63B4**	487
878	1.9	5.2	3.2	540	**S101_3.2 S05 M05A2**	486	**S101_3.2 P63 BN63A2**	487
978	1.7	5.8	1.4	520	**S101_1.4 S05 M05B4**	486	**S101_1.4 P63 BN63B4**	487
1124	1.5	5.3	2.5	500	**S101_2.5 S05 M05A2**	486	**S101_2.5 P63 BN63A2**	487
1499	1.1	7.1	1.9	460	**S101_1.9 S05 M05A2**	486	**S101_1.9 P63 BN63A2**	487
1977	0.9	9.4	1.4	420	**S101_1.4 S05 M05A2**	486	**S101_1.4 P63 BN63A2**	487

0.25 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
69	34.1	1.0	13.1	2400			**S301_13.1 P71 BN71B6**	491
70	33.5	3.0	12.9	6520	**S501_12.9 S1 M1SD6**	494	**S501_12.9 P71 BN71B6**	495
73	32.2	1.8	12.4	3800	**S401_12.4 S1 M1SD6**	492	**S401_12.4 P71 BN71B6**	493
84	27.7	2.1	10.7	3800	**S401_10.7 S1 M1SD6**	492	**S401_10.7 P71 BN71B6**	493
87	26.8	1.3	10.3	2400	**S301_10.3 S1 M1SD6**	490	**S301_10.3 P71 BN71B6**	491
101	23.1	1.5	8.9	2400	**S301_8.9 S1 M1SD6**	490	**S301_8.9 P71 BN71B6**	491
104	22.5	3.1	8.6	3800	**S401_8.6 S1 M1SD6**	492	**S401_8.6 P71 BN71B6**	493
105	22.3	1.3	13.1	2400			**S301_13.1 P71 BN71A4**	491
106	22.1	0.9	8.5	1500	**S201_8.5 S1 M1SD6**	488	**S201_8.5 P71 BN71B6**	489
111	21.1	2.4	12.4	3800			**S401_12.4 P71 BN71A4**	493
125	18.8	1.6	7.2	1500	**S201_7.2 S1 M1SD6**	488	**S201_7.2 P71 BN71B6**	489
127	18.4	3.1	7.1	2340	**S301_7.1 S1 M1SD6**	490	**S301_7.1 P71 BN71B6**	491
128	18.3	0.9	10.8	1500	**S201_10.8 S05 M05C4**	488	**S201_10.8 P71 BN71A4**	489
129	18.2	2.8	10.7	3800			**S401_10.7 P71 BN71A4**	493
130	17.9	0.9	6.9	850	**S101_6.9 S1 M1SD6**	486	**S101_6.9 P71 BN71B6**	487
133	17.5	1.7	10.3	2300			**S301_10.3 P71 BN71A4**	491
147	15.9	1.1	6.1	840	**S101_6.1 S1 M1SD6**	486	**S101_6.1 P71 BN71B6**	487
155	15.1	2.0	5.8	1500	**S201_5.8 S1 M1SD6**	488	**S201_5.8 P71 BN71B6**	489
155	15.1	2.0	8.9	2200			**S301_8.9 P71 BN71A4**	491
162	14.5	1.2	8.5	1500	**S201_8.5 S05 M05C4**	488	**S201_8.5 P71 BN71A4**	489
189	12.4	2.4	4.8	1500	**S201_4.8 S1 M1SD6**	488	**S201_4.8 P71 BN71B6**	489
190	12.3	1.1	4.7	790	**S101_4.7 S1 M1SD6**	486	**S101_4.7 P71 BN71B6**	487
190	12.3	2.1	7.2	1500	**S201_7.2 S05 M05C4**	488	**S201_7.2 P71 BN71A4**	489
199	11.7	1.3	6.9	780	**S101_6.9 S05 M05C4**	486	**S101_6.9 P71 BN71A4**	487
214	10.9	2.2	13.1	2000			**S301_13.1 P63 BN63B2**	491
225	10.4	1.4	6.1	770	**S101_6.1 S05 M05C4**	486	**S101_6.1 P71 BN71A4**	487
226	10.3	1.3	12.4	1450	**S201_12.4 S05 M05B2**	488	**S201_12.4 P63 BN63B2**	489
229	10.2	2.9	3.9	1440	**S201_3.9 S1 M1SD6**	488	**S201_3.9 P71 BN71B6**	489
234	10.0	1.4	3.8	750	**S101_3.8 S1 M1SD6**	486	**S101_3.8 P71 BN71B6**	487
236	9.9	2.6	5.8	1430	**S201_5.8 S05 M05C4**	488	**S201_5.8 P71 BN71A4**	489
261	9.0	1.5	10.8	1390	**S201_10.8 S05 M05B2**	488	**S201_10.8 P63 BN63B2**	489
273	8.6	2.8	10.3	1860			**S301_10.3 P63 BN63B2**	491

0.25 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
273	8.6	0.9	10.3	730	S101_10.3 S05 M05B2	486	S101_10.3 P63 BN63B2	487
281	8.3	1.7	3.2	720	S101_3.2 S1 M1SD6	486	S101_3.2 P71 BN71B6	487
288	8.1	3.2	4.8	1350	S201_4.8 S05 M05C4	488	S201_4.8 P71 BN71A4	489
291	8.0	1.5	4.7	720	S101_4.7 S05 M05C4	486	S101_4.7 P71 BN71A4	487
316	7.4	3.2	8.9	1770			S301_8.9 P63 BN63B2	491
317	7.4	1.1	8.9	710	S101_8.9 S05 M05B2	486	S101_8.9 P63 BN63B2	487
331	7.1	1.8	8.5	1300	S201_8.5 S05 M05B2	488	S201_8.5 P63 BN63B2	489
358	6.5	1.8	3.8	680	S101_3.8 S05 M05C4	486	S101_3.8 P71 BN71A4	487
360	6.5	1.8	2.5	680	S101_2.5 S1 M1SD6	486	S101_2.5 P71 BN71B6	487
389	6.0	3.5	7.2	1240	S201_7.2 S05 M05B2	488	S201_7.2 P63 BN63B2	489
407	5.7	2.1	6.9	660	S101_6.9 S05 M05B2	486	S101_6.9 P63 BN63B2	487
430	5.4	2.2	3.2	650	S101_3.2 S05 M05C4	486	S101_3.2 P71 BN71A4	487
460	5.1	2.4	6.1	640	S101_6.1 S05 M05B2	486	S101_6.1 P63 BN63B2	487
480	4.9	2.5	1.9	620	S101_1.9 S1 M1SD6	486	S101_1.9 P71 BN71B6	487
550	4.3	2.4	2.5	610	S101_2.5 S05 M05C4	486	S101_2.5 P71 BN71A4	487
594	3.9	2.5	4.7	600	S101_4.7 S05 M05B2	486	S101_4.7 P63 BN63B2	487
633	3.7	3.2	1.4	580	S101_1.4 S1 M1SD6	486	S101_1.4 P71 BN71B6	487
731	3.2	3.1	3.8	560	S101_3.8 S05 M05B2	486	S101_3.8 P63 BN63B2	487
733	3.2	3.1	1.9	560	S101_1.9 S05 M05C4	486	S101_1.9 P71 BN71A4	487
878	2.7	3.8	3.2	530	S101_3.2 S05 M05B2	486	S101_3.2 P63 BN63B2	487
968	2.4	4.1	1.4	510	S101_1.4 S05 M05C4	486	S101_1.4 P71 BN71A4	487
1124	2.1	3.8	2.5	500	S101_2.5 S05 M05B2	486	S101_2.5 P63 BN63B2	487
1499	1.6	5.1	1.9	450	S101_1.9 S05 M05B2	486	S101_1.9 P63 BN63B2	487
1977	1.2	6.8	1.4	420	S101_1.4 S05 M05B2	486	S101_1.4 P63 BN63B2	487

0.37 kW

n_2 min^{-1}	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
71	49.0	2.0	12.9	6420	S501_12.9 S1 M1LA6	494	S501_12.9 P80 BN80A6	495
73	47.2	1.2	12.4	3800	S401_12.4 S1 M1LA6	492	S401_12.4 P80 BN80A6	493
85	40.6	1.4	10.7	3800	S401_10.7 S1 M1LA6	492	S401_10.7 P80 BN80A6	493
87	39.8	2.9	10.5	6020	S501_10.5 S1 M1LA6	494	S501_10.5 P80 BN80A6	495
102	33.8	1.0	8.9	2400	S301_8.9 S1 M1LA6	490	S301_8.9 P80 BN80A6	491
104	33.2	0.9	13.1	2390			S301_13.1 P71 BN71B4	491
105	32.9	2.1	8.6	3800	S401_8.6 S1 M1LA6	492	S401_8.6 P80 BN80A6	493
106	32.6	3.1	12.9	5650	S501_12.9 S1 M1SD4	494	S501_12.9 P71 BN71B4	495
110	31.3	1.6	12.4	3800	S401_12.4 S1 M1SD4	492	S401_12.4 P71 BN71B4	493
126	27.5	1.1	7.2	1500	S201_7.2 S1 M1LA6	488	S201_7.2 P80 BN80A6	489
127	27.2	3.3	7.2	3800	S401_7.2 S1 M1LA6	492	S401_7.2 P80 BN80A6	493
128	27.0	2.1	7.1	2260	S301_7.1 S1 M1LA6	490	S301_7.1 P80 BN80A6	491
128	27.0	1.9	10.7	3800	S401_10.7 S1 M1SD4	492	S401_10.7 P71 BN71B4	493
133	26.0	1.2	10.3	2240	S301_10.3 S1 M1SD4	490	S301_10.3 P71 BN71B4	491
154	22.5	1.3	8.9	2150	S301_8.9 S1 M1SD4	490	S301_8.9 P71 BN71B4	491
156	22.2	2.6	5.8	2140	S301_5.8 S1 M1LA6	490	S301_5.8 P80 BN80A6	491
156	22.1	1.4	5.8	1500	S201_5.8 S1 M1LA6	488	S201_5.8 P80 BN80A6	489
159	21.8	2.7	8.6	3610	S401_8.6 S1 M1SD4	492	S401_8.6 P71 BN71B4	493
184	18.8	3.1	4.9	2040	S301_4.9 S1 M1LA6	490	S301_4.9 P80 BN80A6	491
190	18.3	1.4	7.2	1460	S201_7.2 S1 M1SD4	488	S201_7.2 P71 BN71B4	489
191	18.1	1.7	4.8	1460	S201_4.8 S1 M1LA6	488	S201_4.8 P80 BN80A6	489
193	17.9	2.8	7.1	2020	S301_7.1 S1 M1SD4	490	S301_7.1 P71 BN71B4	491
214	16.2	1.5	13.1	1960			S301_13.1 P71 BN71A2	491
224	15.4	1.0	6.1	710	S101_6.1 S1 M1SD4	486	S101_6.1 P71 BN71B4	487
227	15.3	2.6	12.4	3230			S401_12.4 P71 BN71A2	493

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n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
231	15.0	2.0	3.9	1380	S201_3.9 S1 M1LA6	488	S201_3.9 P80 BN80A6	489
234	14.8	3.4	5.8	1900	S301_5.8 S1 M1SD4	490	S301_5.8 P71 BN71B4	491
235	14.7	1.8	5.8	1390	S201_5.8 S1 M1SD4	488	S201_5.8 P71 BN71B4	489
237	14.6	1.0	3.8	690	S101_3.8 S1 M1LA6	486	S101_3.8 P80 BN80A6	487
261	13.2	1.0	10.8	1350	S201_10.8 S05 M05C2	488	S201_10.8 P71 BN71A2	489
263	13.1	3.0	10.7	3080			S401_10.7 P71 BN71A2	493
273	12.7	1.9	10.3	1820			S301_10.3 P71 BN71A2	491
284	12.2	1.1	3.2	670	S101_3.2 S1 M1LA6	486	S101_3.2 P80 BN80A6	487
287	12.1	2.2	4.8	1310	S201_4.8 S1 M1SD4	488	S201_4.8 P71 BN71B4	489
290	11.9	1.0	4.7	670	S101_4.7 S1 M1SD4	486	S101_4.7 P71 BN71B4	487
293	11.8	2.5	3.1	1300	S201_3.1 S1 M1LA6	488	S201_3.1 P80 BN80A6	489
316	11.0	2.2	8.9	1740			S301_8.9 P71 BN71A2	491
331	10.5	1.2	8.5	1270	S201_8.5 S05 M05C2	488	S201_8.5 P71 BN71A2	489
348	9.9	2.6	3.9	1240	S201_3.9 S1 M1SD4	488	S201_3.9 P71 BN71B4	489
356	9.7	1.2	3.8	640	S101_3.8 S1 M1SD4	486	S101_3.8 P71 BN71B4	487
364	9.5	1.3	2.5	630	S101_2.5 S1 M1LA6	486	S101_2.5 P80 BN80A6	487
373	9.3	3.2	2.4	1210	S201_2.4 S1 M1LA6	488	S201_2.4 P80 BN80A6	489
389	8.9	2.4	7.2	1210	S201_7.2 S05 M05C2	488	S201_7.2 P71 BN71A2	489
407	8.5	1.4	6.9	630	S101_6.9 S05 M05C2	486	S101_6.9 P71 BN71A2	487
428	8.1	1.5	3.2	620	S101_3.2 S1 M1SD4	486	S101_3.2 P71 BN71B4	487
440	7.9	3.3	3.1	1160	S201_3.1 S1 M1SD4	488	S201_3.1 P71 BN71B4	489
460	7.5	1.6	6.1	610	S101_6.1 S05 M05C2	486	S101_6.1 P71 BN71A2	487
480	7.2	2.8	1.9	1130	S201_1.9 S1 M1LA6	488	S201_1.9 P80 BN80A6	489
483	7.2	2.9	5.8	1130	S201_5.8 S05 M05C2	488	S201_5.8 P71 BN71A2	489
485	7.1	1.7	1.9	590	S101_1.9 S1 M1LA6	486	S101_1.9 P80 BN80A6	487
548	6.3	1.6	2.5	580	S101_2.5 S1 M1SD4	486	S101_2.5 P71 BN71B4	487
594	5.8	1.7	4.7	570	S101_4.7 S05 M05C2	486	S101_4.7 P71 BN71A2	487
640	5.4	2.2	1.4	550	S101_1.4 S1 M1LA6	486	S101_1.4 P80 BN80A6	487
731	4.7	2.1	3.8	540	S101_3.8 S05 M05C2	486	S101_3.8 P71 BN71A2	487
731	4.7	2.1	1.9	540	S101_1.9 S1 M1SD4	486	S101_1.9 P71 BN71B4	487
878	3.9	2.5	3.2	520	S101_3.2 S05 M05C2	486	S101_3.2 P71 BN71A2	487
964	3.6	2.8	1.4	500	S101_1.4 S1 M1SD4	486	S101_1.4 P71 BN71B4	487
1124	3.1	2.6	2.5	480	S101_2.5 S05 M05C2	486	S101_2.5 P71 BN71A2	487
1499	2.3	3.5	1.9	440	S101_1.9 S05 M05C2	486	S101_1.9 P71 BN71A2	487
1977	1.8	4.6	1.4	410	S101_1.4 S05 M05C2	486	S101_1.4 P71 BN71A2	487

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n2 min-1	M2 Nm	S	i	Rn2 N	IE1		IEC IE1	
71	72.1	1.4	12.9	6290	S501_12.9 S2 M2SA6	494	S501_12.9 P80 BN80B6	495
86	59.7	1.0	10.7	3800	S401_10.7 S2 M2SA6	492	S401_10.7 P80 BN80B6	493
88	58.5	2.0	10.5	5910	S501_10.5 S2 M2SA6	494	S501_10.5 P80 BN80B6	495
105	49.1	2.5	8.8	5600	S501_8.8 S2 M2SA6	494	S501_8.8 P80 BN80B6	495
107	48.3	1.4	8.6	3800	S401_8.6 S2 M2SA6	492	S401_8.6 P80 BN80B6	493
107	48.1	2.1	12.9	5560	S501_12.9 S1 M1LA4	494	S501_12.9 P80 BN80A4	495
111	46.3	1.1	12.4	3800	S401_12.4 S1 M1LA4	492	S401_12.4 P80 BN80A4	493
124	41.4	3.4	7.4	5310	S501_7.4 S2 M2SA6	494	S501_7.4 P80 BN80B6	495
129	40.0	2.2	7.2	3780	S401_7.2 S2 M2SA6	492	S401_7.2 P80 BN80B6	493
129	39.8	1.3	10.7	3770	S401_10.7 S1 M1LA4	492	S401_10.7 P80 BN80A4	493
130	39.7	1.5	7.1	2150	S301_7.1 S2 M2SA6	490	S301_7.1 P80 BN80B6	491
132	39.0	2.8	10.5	5220	S501_10.5 S1 M1LA4	494	S501_10.5 P80 BN80A4	495
152	33.9	3.1	6.1	3600	S401_6.1 S2 M2SA6	492	S401_6.1 P80 BN80B6	493
155	33.2	0.9	8.9	2060	S301_8.9 S1 M1LA4	490	S301_8.9 P80 BN80A4	491

0.55 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE1		IEC IE1	
157	32.7	1.8	5.8	2050	S301_5.8 S2 M2SA6	490	S301_5.8 P80 BN80B6	491
157	32.7	3.4	8.8	4940	S501_8.8 S1 M1LA4	494	S501_8.8 P80 BN80A4	495
158	32.6	0.9	5.8	1420	S201_5.8 S2 M2SA6	488	S201_5.8 P80 BN80B6	489
160	32.2	1.9	8.6	3540	S401_8.6 S1 M1LA4	492	S401_8.6 P80 BN80A4	493
186	27.6	2.1	4.9	1960	S301_4.9 S2 M2SA6	490	S301_4.9 P80 BN80B6	491
191	26.9	1.0	7.2	1370	S201_7.2 S1 M1LA4	488	S201_7.2 P80 BN80A4	489
193	26.7	1.1	4.8	1370	S201_4.8 S2 M2SA6	488	S201_4.8 P80 BN80B6	489
193	26.7	3.0	7.2	3350	S401_7.2 S1 M1LA4	492	S401_7.2 P80 BN80A4	493
195	26.4	1.9	7.1	1940	S301_7.1 S1 M1LA4	490	S301_7.1 P80 BN80A4	491
214	24.0	1.0	13.1	1900			S301_13.1 P71 BN71B2	491
218	23.6	3.4	12.9	4460	S501_12.9 S1 M1SD2	494	S501_12.9 P71 BN71B2	495
227	22.7	1.8	12.4	3190	S401_12.4 S1 M1SD2	492	S401_12.4 P71 BN71B2	493
233	22.1	2.6	3.9	1850	S301_3.9 S2 M2SA6	490	S301_3.9 P80 BN80B6	491
234	22.0	1.4	3.9	1300	S201_3.9 S2 M2SA6	488	S201_3.9 P80 BN80B6	489
236	21.8	2.3	5.8	1840	S301_5.8 S1 M1LA4	490	S301_5.8 P80 BN80A4	491
237	21.7	1.2	5.8	1310	S201_5.8 S1 M1LA4	488	S201_5.8 P80 BN80A4	489
263	19.5	2.0	10.7	3040	S401_10.7 S1 M1SD2	492	S401_10.7 P71 BN71B2	493
273	18.9	1.3	10.3	1780	S301_10.3 S1 M1SD2	490	S301_10.3 P71 BN71B2	491
280	18.4	2.7	4.9	1760	S301_4.9 S1 M1LA4	490	S301_4.9 P80 BN80A4	491
289	17.8	1.5	4.8	1250	S201_4.8 S1 M1LA4	488	S201_4.8 P80 BN80A4	489
296	17.4	1.7	3.1	1230	S201_3.1 S2 M2SA6	488	S201_3.1 P80 BN80B6	489
300	17.1	3.4	3.1	1720	S301_3.1 S2 M2SA6	490	S301_3.1 P80 BN80B6	491
316	16.3	1.5	8.9	1700	S301_8.9 S1 M1SD2	490	S301_8.9 P71 BN71B2	491
325	15.8	3.0	8.6	2850	S401_8.6 S1 M1SD2	492	S401_8.6 P71 BN71B2	493
350	14.7	3.4	3.9	1650	S301_3.9 S1 M1LA4	490	S301_3.9 P80 BN80A4	491
351	14.7	1.8	3.9	1190	S201_3.9 S1 M1LA4	488	S201_3.9 P80 BN80A4	489
377	13.6	2.2	2.4	1160	S201_2.4 S2 M2SA6	488	S201_2.4 P80 BN80B6	489
389	13.2	1.6	7.2	1160	S201_7.2 S1 M1SD2	488	S201_7.2 P71 BN71B2	489
396	13.0	3.1	7.1	1600	S301_7.1 S1 M1SD2	490	S301_7.1 P71 BN71B2	491
407	12.6	0.9	6.9	570	S101_6.9 S1 M1SD2	486	S101_6.9 P71 BN71B2	487
431	11.9	1.0	3.2	560	S101_3.2 S1 M1LA4	486	S101_3.2 P80 BN80A4	487
444	11.6	2.2	3.1	1120	S201_3.1 S1 M1LA4	488	S201_3.1 P80 BN80A4	489
460	11.2	1.1	6.1	570	S101_6.1 S1 M1SD2	486	S101_6.1 P71 BN71B2	487
483	10.7	2.0	5.8	1100	S201_5.8 S1 M1SD2	488	S201_5.8 P71 BN71B2	489
486	10.6	1.9	1.9	1080	S201_1.9 S2 M2SA6	488	S201_1.9 P80 BN80B6	489
491	10.5	1.1	1.9	540	S101_1.9 S2 M2SA6	486	S101_1.9 P80 BN80B6	487
504	10.2	3.4	1.8	1470	S301_1.8 S2 M2SA6	490	S301_1.8 P80 BN80B6	491
552	9.3	1.1	2.5	540	S101_2.5 S1 M1LA4	486	S101_2.5 P80 BN80A4	487
566	9.1	2.9	2.4	1050	S201_2.4 S1 M1LA4	488	S201_2.4 P80 BN80A4	489
589	8.7	2.4	4.8	1040	S201_4.8 S1 M1SD2	488	S201_4.8 P71 BN71B2	489
594	8.7	1.2	4.7	540	S101_4.7 S1 M1SD2	486	S101_4.7 P71 BN71B2	487
647	8.0	1.5	1.4	510	S101_1.4 S2 M2SA6	486	S101_1.4 P80 BN80B6	487
661	7.8	2.6	1.4	990	S201_1.4 S2 M2SA6	488	S201_1.4 P80 BN80B6	489
714	7.2	2.9	3.9	980	S201_3.9 S1 M1SD2	488	S201_3.9 P71 BN71B2	489
728	7.1	2.4	1.9	970	S201_1.9 S1 M1LA4	488	S201_1.9 P80 BN80A4	489
731	7.0	1.4	3.8	510	S101_3.8 S1 M1SD2	486	S101_3.8 P71 BN71B2	487
736	7.0	1.4	1.9	500	S101_1.9 S1 M1LA4	486	S101_1.9 P80 BN80A4	487
878	5.9	1.7	3.2	490	S101_3.2 S1 M1SD2	486	S101_3.2 P71 BN71B2	487
971	5.3	1.9	1.4	470	S101_1.4 S1 M1LA4	486	S101_1.4 P80 BN80A4	487
992	5.2	3.3	1.4	890			S201_1.4 P80 BN80A4	489
1124	4.6	1.7	2.5	460	S101_2.5 S1 M1SD2	486	S101_2.5 P71 BN71B2	487
1499	3.4	2.3	1.9	430	S101_1.9 S1 M1SD2	486	S101_1.9 P71 BN71B2	487
1977	2.6	3.1	1.4	390	S101_1.4 S1 M1SD2	486	S101_1.4 P71 BN71B2	487

0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
73	96	1.0	12.9	6170	**S501_12.9 S3 ME3SA6**	494	**S501_12.9 P90 BE90S6**	495
90	78	1.5	10.5	5810	**S501_10.5 S3 ME3SA6**	494	**S501_10.5 P90 BE90S6**	495
107	65	1.9	8.8	5520	**S501_8.8 S3 ME3SA6**	494	**S501_8.8 P90 BE90S6**	495
111	63	1.6	12.9	5460	**S501_12.9 S2 ME2SB4**	494	**S501_12.9 P80 BE80B4**	495
127	55	2.5	7.4	5240	**S501_7.4 S3 ME3SA6**	494	**S501_7.4 P90 BE90S6**	495
131	53	1.7	7.2	3700	**S401_7.2 S3 ME3SA6**	492	**S401_7.2 P90 BE90S6**	493
134	52	1.0	10.7	3670	**S401_10.7 S2 ME2SB4**	492	**S401_10.7 P80 BE80B4**	493
137	51	2.1	10.5	5130	**S501_10.5 S2 ME2SB4**	494	**S501_10.5 P80 BE80B4**	495
155	45	2.3	6.1	3530	**S401_6.1 S3 ME3SA6**	492	**S401_6.1 P90 BE90S6**	493
161	44	1.3	5.8	1960	**S301_5.8 S3 ME3SA6**	490	**S301_5.8 P90 BE90S6**	491
163	43	2.6	8.8	4870	**S501_8.8 S2 ME2SB4**	494	**S501_8.8 P80 BE80B4**	495
166	42	1.4	8.6	3460	**S401_8.6 S2 ME2SB4**	492	**S401_8.6 P80 BE80B4**	493
191	37	1.6	4.9	1880	**S301_4.9 S3 ME3SA6**	490	**S301_4.9 P90 BE90S6**	491
194	36	2.9	4.8	3300	**S401_4.8 S3 ME3SA6**	492	**S401_4.8 P90 BE90S6**	493
200	35	2.3	7.2	3280	**S401_7.2 S2 ME2SB4**	492	**S401_7.2 P80 BE80B4**	493
202	35	1.4	7.1	1860	**S301_7.1 S2 ME2SB4**	490	**S301_7.1 P80 BE80B4**	491
221	32	2.5	12.9	4420	**S501_12.9 S2 ME2SA2**	494	**S501_12.9 P80 BE80A2**	495
230	31	1.3	12.4	3150	**S401_12.4 S2 ME2SA2**	492	**S401_12.4 P80 BE80A2**	493
236	30	3.0	6.1	3120	**S401_6.1 S2 ME2SB4**	492	**S401_6.1 P80 BE80B4**	493
238	29	2.0	3.9	1780	**S301_3.9 S3 ME3SA6**	490	**S301_3.9 P90 BE90S6**	491
245	29	1.7	5.8	1780	**S301_5.8 S2 ME2SB4**	490	**S301_5.8 P80 BE80B4**	491
246	29	0.9	5.8	1160	**S201_5.8 S2 ME2SB4**	488	**S201_5.8 P80 BE80B4**	489
267	26	1.5	10.7	3000	**S401_10.7 S2 ME2SA2**	492	**S401_10.7 P80 BE80A2**	493
273	26	3.3	10.5	4140	**S501_10.5 S2 ME2SA2**	494	**S501_10.5 P80 BE80A2**	495
277	25	0.9	10.3	1730	**S301_10.3 S2 ME2SA2**	490	**S301_10.3 P80 BE80A2**	491
290	24	2.1	4.9	1700	**S301_4.9 S2 ME2SB4**	490	**S301_4.9 P80 BE80B4**	491
300	23	1.1	4.8	1180	**S201_4.8 S2 ME2SB4**	488	**S201_4.8 P80 BE80B4**	489
302	23	1.3	3.1	1160	**S201_3.1 S3 ME3SA6**	488	**S201_3.1 P90 BE90S6**	489
307	23	2.5	3.1	1670	**S301_3.1 S3 ME3SA6**	490	**S301_3.1 P90 BE90S6**	491
321	22	1.1	8.9	1660	**S301_8.9 S2 ME2SA2**	490	**S301_8.9 P80 BE80A2**	491
330	21	2.3	8.6	2820	**S401_8.6 S2 ME2SA2**	492	**S401_8.6 P80 BE80A2**	493
363	19.3	2.6	3.9	1600	**S301_3.9 S2 ME2SB4**	490	**S301_3.9 P80 BE80B4**	491
364	19.3	1.3	3.9	1130	**S201_3.9 S2 ME2SB4**	488	**S201_3.9 P80 BE80B4**	489
386	18.2	1.6	2.4	1110	**S201_2.4 S3 ME3SA6**	488	**S201_2.4 P90 BE90S6**	489
388	18.1	3.2	2.4	1560	**S301_2.4 S3 ME3SA6**	490	**S301_2.4 P90 BE90S6**	491
395	17.8	1.2	7.2	1120	**S201_7.2 S2 ME2SA2**	488	**S201_7.2 P80 BE80A2**	489
402	17.5	2.3	7.1	1560	**S301_7.1 S2 ME2SA2**	490	**S301_7.1 P80 BE80A2**	491
460	15.2	1.7	3.1	1070	**S201_3.1 S2 ME2SB4**	488	**S201_3.1 P80 BE80B4**	489
467	15.0	3.3	3.1	1490	**S301_3.1 S2 ME2SB4**	490	**S301_3.1 P80 BE80B4**	491
488	14.4	2.8	5.8	1480	**S301_5.8 S2 ME2SA2**	490	**S301_5.8 P80 BE80A2**	491
490	14.3	1.5	5.8	1060	**S201_5.8 S2 ME2SA2**	488	**S201_5.8 P80 BE80A2**	489
496	14.1	1.4	1.9	1040	**S201_1.9 S3 ME3SA6**	488	**S201_1.9 P90 BE90S6**	489
515	13.6	2.6	1.8	1440	**S301_1.8 S3 ME3SA6**	490	**S301_1.8 P90 BE90S6**	491
578	12.1	3.3	4.9	1410	**S301_4.9 S2 ME2SA2**	490	**S301_4.9 P80 BE80A2**	491
587	11.9	2.2	2.4	1010	**S201_2.4 S2 ME2SB4**	488	**S201_2.4 P80 BE80B4**	489
591	11.9	4.2	2.4	1380	**S301_2.4 S2 ME2SB4**	490	**S301_2.4 P80 BE80B4**	491
598	11.7	1.8	4.8	1010	**S201_4.8 S2 ME2SA2**	488	**S201_4.8 P80 BE80A2**	489
661	10.6	1.1	1.4	460	**S101_1.4 S3 ME3SA6**	486	**S101_1.4 P90 BE90S6**	487
668	10.5	3.3	1.4	1330	**S301_1.4 S3 ME3SA6**	490	**S301_1.4 P90 BE90S6**	491
676	10.4	1.9	1.4	960	**S201_1.4 S3 ME3SA6**	488	**S201_1.4 P90 BE90S6**	489
725	9.7	2.2	3.9	960	**S201_3.9 S2 ME2SA2**	488	**S201_3.9 P80 BE80A2**	489
741	9.5	1.1	3.8	480	**S101_3.8 S2 ME2SA2**	486	**S101_3.8 P80 BE80A2**	487
755	9.3	1.8	1.9	940	**S201_1.9 S2 ME2SB4**	488	**S201_1.9 P80 BE80B4**	489
763	9.2	1.1	1.9	460	**S101_1.9 S2 ME2SB4**	486	**S101_1.9 P80 BE80B4**	487
783	8.9	3.4	1.8	1280	**S301_1.8 S2 ME2SB4**	490	**S301_1.8 P80 BE80B4**	491
891	7.9	1.3	3.2	460	**S101_3.2 S2 ME2SA2**	486	**S101_3.2 P80 BE80A2**	487
916	7.7	2.7	3.1	900	**S201_3.1 S2 ME2SA2**	488	**S201_3.1 P80 BE80A2**	489

0.75 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
1006	7.0	1.4	1.4	440	**S101_1.4 S2 ME2SB4**	486	**S101_1.4 P80 BE80B4**	487
1028	6.8	2.5	1.4	860	**S201_1.4 S2 ME2SB4**	488	**S201_1.4 P80 BE80B4**	489
1140	6.2	1.3	2.5	440	**S101_2.5 S2 ME2SA2**	486	**S101_2.5 P80 BE80A2**	487
1169	6.0	3.5	2.4	840	**S201_2.4 S2 ME2SA2**	488	**S201_2.4 P80 BE80A2**	489
1504	4.7	2.8	1.9	780	**S201_1.9 S2 ME2SA2**	488	**S201_1.9 P80 BE80A2**	489
1520	4.6	1.7	1.9	410	**S101_1.9 S2 ME2SA2**	486	**S101_1.9 P80 BE80A2**	487
2006	3.5	2.3	1.4	380	**S101_1.4 S2 ME2SA2**	486	**S101_1.4 P80 BE80A2**	487

1.1 kW

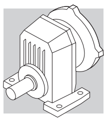
n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
90	114	1.0	10.5	5650	**S501_10.5 S3 ME3LA6**	494	**S501_10.5 P100 BE100M6**	495
108	96	1.3	8.8	5380	**S501_8.8 S3 ME3LA6**	494	**S501_8.8 P100 BE100M6**	495
111	93	1.1	12.9	5320	**S501_12.9 S3 ME3SA4**	494	**S501_12.9 P90 BE90S4**	495
128	81	1.7	7.4	5120	**S501_7.4 S3 ME3LA6**	494	**S501_7.4 P100 BE100M6**	495
132	78	1.2	7.2	3550	**S401_7.2 S3 ME3LA6**	492	**S401_7.2 P100 BE100M6**	493
137	76	1.5	10.5	5020	**S501_10.5 S3 ME3SA4**	494	**S501_10.5 P90 BE90S4**	495
156	66	1.6	6.1	3400	**S401_6.1 S3 ME3LA6**	492	**S401_6.1 P100 BE100M6**	493
156	66	2.3	6.1	4840	**S501_6.1 S3 ME3LA6**	494	**S501_6.1 P100 BE100M6**	495
163	64	1.7	8.8	4770	**S501_8.8 S3 ME3SA4**	494	**S501_8.8 P90 BE90S4**	495
166	63	1.0	8.6	3350	**S401_8.6 S3 ME3SA4**	492	**S401_8.6 P90 BE90S4**	493
192	54	1.1	4.9	1740	**S301_4.9 S3 ME3LA6**	490	**S301_4.9 P100 BE100M6**	491
193	54	2.4	7.4	4530	**S501_7.4 S3 ME3SA4**	494	**S501_7.4 P90 BE90S4**	495
196	53	2.0	4.8	3200	**S401_4.8 S3 ME3LA6**	492	**S401_4.8 P100 BE100M6**	493
200	52	1.5	7.2	3180	**S401_7.2 S3 ME3SA4**	492	**S401_7.2 P90 BE90S4**	493
202	51	1.0	7.1	1730	**S301_7.1 S3 ME3SA4**	490	**S301_7.1 P90 BE90S4**	491
220	47	1.7	12.9	4350	**S501_12.9 S2 ME2SB2**	494	**S501_12.9 P90 BE90B2**	495
236	44	2.0	6.1	3040	**S401_6.1 S3 ME3SA4**	492	**S401_6.1 P90 BE90S4**	493
236	44	3.0	6.1	4270	**S501_6.1 S3 ME3SA4**	494	**S501_6.1 P90 BE90S4**	495
240	43	1.3	3.9	1670	**S301_3.9 S3 ME3LA6**	490	**S301_3.9 P100 BE100M6**	491
245	42	1.2	5.8	1670	**S301_5.8 S3 ME3SA4**	490	**S301_5.8 P90 BE90S4**	491
248	42	2.5	3.8	2990	**S401_3.8 S3 ME3LA6**	492	**S401_3.8 P100 BE100M6**	493
265	39	1.0	10.7	2930	**S401_10.7 S2 ME2SB2**	492	**S401_10.7 P90 BE90B2**	493
271	38	2.2	10.5	4090	**S501_10.5 S2 ME2SB2**	494	**S501_10.5 P90 BE90B2**	495
290	36	1.4	4.9	1610	**S301_4.9 S3 ME3SA4**	490	**S301_4.9 P90 BE90S4**	491
296	35	2.6	4.8	2850	**S401_4.8 S3 ME3SA4**	492	**S401_4.8 P90 BE90S4**	493
309	33	1.7	3.1	1580	**S301_3.1 S3 ME3LA6**	490	**S301_3.1 P100 BE100M6**	491
310	33	3.2	3.1	2810	**S401_3.1 S3 ME3LA6**	492	**S401_3.1 P100 BE100M6**	493
323	32	2.7	8.8	3870	**S501_8.8 S2 ME2SB2**	494	**S501_8.8 P90 BE90B2**	495
328	31	1.5	8.6	2760	**S401_8.6 S2 ME2SB2**	492	**S401_8.6 P90 BE90B2**	493
363	29	1.7	3.9	1530	**S301_3.9 S3 ME3SA4**	490	**S301_3.9 P90 BE90S4**	491
364	29	0.9	3.9	950	**S201_3.9 S3 ME3SA4**	488	**S201_3.9 P90 BE90S4**	489
375	28	3.3	3.8	2650	**S401_3.8 S3 ME3SA4**	492	**S401_3.8 P90 BE90S4**	493
390	26	2.2	2.4	1490	**S301_2.4 S3 ME3LA6**	490	**S301_2.4 P100 BE100M6**	491
396	26	2.4	7.2	2610	**S401_7.2 S2 ME2SB2**	492	**S401_7.2 P90 BE90B2**	493
399	26	1.6	7.1	1500	**S301_7.1 S2 ME2SB2**	490	**S301_7.1 P90 BE90B2**	491
460	23	1.2	3.1	990	**S201_3.1 S3 ME3SA4**	488	**S201_3.1 P90 BE90S4**	489
467	22	2.3	3.1	1430	**S301_3.1 S3 ME3SA4**	490	**S301_3.1 P90 BE90S4**	491
484	21	1.9	5.8	1420	**S301_5.8 S2 ME2SB2**	490	**S301_5.8 P90 BE90B2**	491
499	21	1.0	1.9	960	**S201_1.9 S3 ME3LA6**	488	**S201_1.9 P100 BE100M6**	489
510	20	3.5	1.9	2420	**S401_1.9 S3 ME3LA6**	492	**S401_1.9 P100 BE100M6**	493
518	19.9	1.8	1.8	1380	**S301_1.8 S3 ME3LA6**	490	**S301_1.8 P100 BE100M6**	491
574	17.9	2.2	4.9	1360	**S301_4.9 S2 ME2SB2**	490	**S301_4.9 P90 BE90B2**	491
587	17.7	1.5	2.4	940	**S201_2.4 S3 ME3SA4**	488	**S201_2.4 P90 BE90S4**	489

1.1 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
591	17.6	2.8	2.4	1340	**S301_2.4 S3 ME3SA4**	490	**S301_2.4 P90 BE90S4**	491
593	17.3	1.2	4.8	950	**S201_4.8 S2 ME2SB2**	488	**S201_4.8 P90 BE90B2**	489
671	15.3	2.3	1.4	1290	**S301_1.4 S3 ME3LA6**	490	**S301_1.4 P100 BE100M6**	491
679	15.2	1.3	1.4	900	**S201_1.4 S3 ME3LA6**	488	**S201_1.4 P100 BE100M6**	489
717	14.3	2.8	3.9	1280	**S301_3.9 S2 ME2SB2**	490	**S301_3.9 P90 BE90B2**	491
719	14.3	1.5	3.9	910	**S201_3.9 S2 ME2SB2**	488	**S201_3.9 P90 BE90B2**	489
755	13.7	1.2	1.9	890	**S201_1.9 S3 ME3SA4**	488	**S201_1.9 P90 BE90S4**	489
783	13.2	2.3	1.8	1240	**S301_1.8 S3 ME3SA4**	490	**S301_1.8 P90 BE90S4**	491
910	11.3	1.9	3.1	860	**S201_3.1 S2 ME2SB2**	488	**S201_3.1 P90 BE90B2**	489
1006	10.3	1.0	1.4	390	**S101_1.4 S3 ME3SA4**	486	**S101_1.4 P90 BE90S4**	487
1016	10.2	2.9	1.4	1150	**S301_1.4 S3 ME3SA4**	490	**S301_1.4 P90 BE90S4**	491
1028	10.1	1.7	1.4	820	**S201_1.4 S3 ME3SA4**	488	**S201_1.4 P90 BE90S4**	489
1161	8.9	2.4	2.4	810	**S201_2.4 S2 ME2SB2**	488	**S201_2.4 P90 BE90B2**	489
1494	6.9	1.9	1.9	750	**S201_1.9 S2 ME2SB2**	488	**S201_1.9 P90 BE90B2**	489
1509	6.8	1.2	1.9	380	**S101_1.9 S2 ME2SB2**	486	**S101_1.9 P90 BE90B2**	487
1991	5.2	1.5	1.4	350	**S101_1.4 S2 ME2SB2**	486	**S101_1.4 P90 BE90B2**	487
2034	5.1	2.6	1.4	690	**S201_1.4 S2 ME2SB2**	488	**S201_1.4 P90 BE90B2**	489

1.5 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
108	130	1.0	8.8	5190	**S501_8.8 S3 ME3LB6**	494	**S501_8.8 P100 BE100LA6**	495
128	110	1.3	7.4	4960	**S501_7.4 S3 ME3LB6**	494	**S501_7.4 P100 BE100LA6**	495
137	102	1.1	10.5	4880	**S501_10.5 S3 ME3SB4**	494	**S501_10.5 P90 BE90LA4**	495
156	90	1.7	6.1	4700	**S501_6.1 S3 ME3LB6**	494	**S501_6.1 P100 BE100LA6**	495
163	86	1.3	8.8	4660	**S501_8.8 S3 ME3SB4**	494	**S501_8.8 P90 BE90LA4**	495
193	73	1.8	7.4	4440	**S501_7.4 S3 ME3SB4**	494	**S501_7.4 P90 BE90LA4**	495
196	72	1.5	4.8	3070	**S401_4.8 S3 ME3LB6**	492	**S401_4.8 P100 BE100LA6**	493
199	71	2.5	4.8	4380	**S501_4.8 S3 ME3LB6**	494	**S501_4.8 P100 BE100LA6**	495
200	70	1.1	7.2	3070	**S401_7.2 S3 ME3SB4**	492	**S401_7.2 P90 BE90LA4**	493
222	63	1.3	12.9	4270	**S501_12.9 S3 ME3SA2**	494	**S501_12.9 P90 BE90SA2**	495
236	59	1.5	6.1	2940	**S401_6.1 S3 ME3SB4**	492	**S401_6.1 P90 BE90LA4**	493
236	59	2.2	6.1	4190	**S501_6.1 S3 ME3SB4**	494	**S501_6.1 P90 BE90LA4**	495
248	57	1.9	3.8	2880	**S401_3.8 S3 ME3LB6**	492	**S401_3.8 P100 BE100LA6**	493
273	51	1.7	10.5	4020	**S501_10.5 S3 ME3SA2**	494	**S501_10.5 P90 BE90SA2**	495
290	48	1.0	4.9	1500	**S301_4.9 S3 ME3SB4**	490	**S301_4.9 P90 BE90LA4**	491
296	47	1.9	4.8	2770	**S401_4.8 S3 ME3SB4**	492	**S401_4.8 P90 BE90LA4**	493
301	47	3.2	4.8	3890	**S501_4.8 S3 ME3SB4**	494	**S501_4.8 P90 BE90LA4**	495
309	45	1.3	3.1	1470	**S301_3.1 S3 ME3LB6**	490	**S301_3.1 P100 BE100LA6**	491
310	45	2.3	3.1	2720	**S401_3.1 S3 ME3LB6**	492	**S401_3.1 P100 BE100LA6**	493
326	43	2.0	8.8	3820	**S501_8.8 S3 ME3SA2**	494	**S501_8.8 P90 BE90SA2**	495
331	42	1.1	8.6	2700	**S401_8.6 S3 ME3SA2**	492	**S401_8.6 P90 BE90SA2**	493
363	39	1.3	3.9	1440	**S301_3.9 S3 ME3SB4**	490	**S301_3.9 P90 BE90LA4**	491
375	37	2.4	3.8	2590	**S401_3.8 S3 ME3SB4**	492	**S401_3.8 P90 BE90LA4**	493
386	36	2.7	7.4	3630	**S501_7.4 S3 ME3SA2**	494	**S501_7.4 P90 BE90SA2**	495
390	36	1.6	2.4	1400	**S301_2.4 S3 ME3LB6**	490	**S301_2.4 P100 BE100LA6**	491
395	36	3.0	2.4	2540	**S401_2.4 S3 ME3LB6**	492	**S401_2.4 P100 BE100LA6**	493
399	35	1.8	7.2	2560	**S401_7.2 S3 ME3SA2**	492	**S401_7.2 P90 BE90SA2**	493
403	35	1.1	7.1	1420	**S301_7.1 S3 ME3SA2**	490	**S301_7.1 P90 BE90SA2**	491
467	30	1.7	3.1	1360	**S301_3.1 S3 ME3SB4**	490	**S301_3.1 P90 BE90LA4**	491
468	30	3.0	3.1	2430	**S401_3.1 S3 ME3SB4**	492	**S401_3.1 P90 BE90LA4**	493
471	30	2.3	6.1	2440	**S401_6.1 S3 ME3SA2**	492	**S401_6.1 P90 BE90SA2**	493
488	29	1.4	5.8	1360	**S301_5.8 S3 ME3SA2**	490	**S301_5.8 P90 BE90SA2**	491

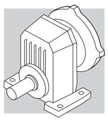


1.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
510	28	2.5	1.9	2350	**S401_1.9 S3 ME3LB6**	492	**S401_1.9 P100 BE100LA6**	493
518	27	1.3	1.8	1310	**S301_1.8 S3 ME3LB6**	490	**S301_1.8 P100 BE100LA6**	491
579	24	1.6	4.9	1310	**S301_4.9 S3 ME3SA2**	490	**S301_4.9 P90 BE90SA2**	491
587	24	1.1	2.4	870	**S201_2.4 S3 ME3SB4**	488	**S201_2.4 P90 BE90LA4**	489
591	24	2.1	2.4	1290	**S301_2.4 S3 ME3SB4**	490	**S301_2.4 P90 BE90LA4**	491
598	23	3.8	2.4	2200	**S401_2.4 S3 ME3SB4**	492	**S401_2.4 P90 BE90LA4**	493
671	21	1.7	1.4	1230	**S301_1.4 S3 ME3LB6**	490	**S301_1.4 P100 BE100LA6**	491
679	21	1.0	1.4	830	**S201_1.4 S3 ME3LB6**	488	**S201_1.4 P100 BE100LA6**	489
693	20	3.5	1.4	2150	**S401_1.4 S3 ME3LB6**	492	**S401_1.4 P100 BE100LA6**	493
724	19.4	2.1	3.9	1240	**S301_3.9 S3 ME3SA2**	490	**S301_3.9 P90 BE90SA2**	491
755	18.6	0.9	1.9	830	**S201_1.9 S3 ME3SB4**	488	**S201_1.9 P90 BE90LA4**	489
772	18.1	3.3	1.9	2090	**S401_1.9 S3 ME3SB4**	492	**S401_1.9 P90 BE90LA4**	493
783	17.9	1.7	1.8	1200	**S301_1.8 S3 ME3SB4**	490	**S301_1.8 P90 BE90LA4**	491
918	15.3	1.4	3.1	810	**S201_3.1 S3 ME3SA2**	488	**S201_3.1 P90 BE90SA2**	489
932	15.1	2.7	3.1	1160	**S301_3.1 S3 ME3SA2**	490	**S301_3.1 P90 BE90SA2**	491
1016	13.8	2.2	1.4	1110	**S301_1.4 S3 ME3SB4**	490	**S301_1.4 P90 BE90LA4**	491
1028	13.6	1.2	1.4	780	**S201_1.4 S3 ME3SB4**	488	**S201_1.4 P90 BE90LA4**	489
1171	12.0	1.8	2.4	770	**S201_2.4 S3 ME3SA2**	488	**S201_2.4 P90 BE90SA2**	489
1507	9.3	1.4	1.9	720	**S201_1.9 S3 ME3SA2**	488	**S201_1.9 P90 BE90SA2**	489
1563	9.0	2.7	1.8	1000	**S301_1.8 S3 ME3SA2**	490	**S301_1.8 P90 BE90SA2**	491
2009	7.0	1.1	1.4	320	**S101_1.4 S3 ME3SA2**	486	**S101_1.4 P90 BE90SA2**	487
2029	6.9	3.5	1.4	920	**S301_1.4 S3 ME3SA2**	490	**S301_1.4 P90 BE90SA2**	491
2052	6.8	1.9	1.4	670	**S201_1.4 S3 ME3SA2**	488	**S201_1.4 P90 BE90SA2**	489

2.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
158	131	1.1	6.1	4520	**S501_6.1 S4 ME4SA6**	494	**S501_6.1 P112 BE112M6**	495
193	107	1.2	7.4	4280	**S501_7.4 S3 ME3LA4**	494	**S501_7.4 P100 BE100LA4**	495
201	102	1.7	4.8	4230	**S501_4.8 S4 ME4SA6**	494	**S501_4.8 P112 BE112M6**	495
236	87	1.0	6.1	2790	**S401_6.1 S3 ME3LA4**	492	**S401_6.1 P100 BE100LA4**	493
236	87	1.5	6.1	4060	**S501_6.1 S3 ME3LA4**	494	**S501_6.1 P100 BE100LA4**	495
249	83	2.1	3.8	4000	**S501_3.8 S4 ME4SA6**	494	**S501_3.8 P112 BE112M6**	495
250	82	1.3	3.8	2730	**S401_3.8 S4 ME4SA6**	492	**S401_3.8 P112 BE112M6**	493
274	75	1.1	10.5	3910	**S501_10.5 S3 ME3LA2**	494	**S501_10.5 P90 BE90L2**	495
296	70	1.3	4.8	2640	**S401_4.8 S3 ME3LA4**	492	**S401_4.8 P100 BE100LA4**	493
301	68	2.2	4.8	3790	**S501_4.8 S3 ME3LA4**	494	**S501_4.8 P100 BE100LA4**	495
313	66	1.6	3.1	2590	**S401_3.1 S4 ME4SA6**	492	**S401_3.1 P112 BE112M6**	493
314	66	2.4	3.0	3750	**S501_3.0 S4 ME4SA6**	494	**S501_3.0 P112 BE112M6**	495
327	63	1.3	8.8	3730	**S501_8.8 S3 ME3LA2**	494	**S501_8.8 P90 BE90L2**	495
372	55	2.7	3.8	3570	**S501_3.8 S3 ME3LA4**	494	**S501_3.8 P100 BE100LA4**	495
375	55	1.6	3.8	2490	**S401_3.8 S3 ME3LA4**	492	**S401_3.8 P100 BE100LA4**	493
387	53	1.9	7.4	3540	**S501_7.4 S3 ME3LA2**	494	**S501_7.4 P90 BE90L2**	495
394	52	1.1	2.4	1260	**S301_2.4 S4 ME4SA6**	490	**S301_2.4 P112 BE112M6**	491
399	52	2.0	2.4	2450	**S401_2.4 S4 ME4SA6**	492	**S401_2.4 P112 BE112M6**	493
400	51	1.2	7.2	2460	**S401_7.2 S3 ME3LA2**	492	**S401_7.2 P90 BE90L2**	493
467	44	1.1	3.1	1240	**S301_3.1 S3 ME3LA4**	490	**S301_3.1 P100 BE100LA4**	491
468	44	2.0	3.1	2340	**S401_3.1 S3 ME3LA4**	492	**S401_3.1 P100 BE100LA4**	493
470	44	3.2	3.0	3340	**S501_3.0 S3 ME3LA4**	494	**S501_3.0 P100 BE100LA4**	495
472	44	1.6	6.1	2360	**S401_6.1 S3 ME3LA2**	492	**S401_6.1 P90 BE90L2**	493
473	44	2.3	6.1	3340	**S501_6.1 S3 ME3LA2**	494	**S501_6.1 P90 BE90L2**	495
490	42	1.0	5.8	1250	**S301_5.8 S3 ME3LA2**	490	**S301_5.8 P90 BE90L2**	491
516	40	1.8	1.9	2280	**S401_1.9 S4 ME4SA6**	492	**S401_1.9 P112 BE112M6**	493

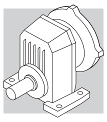


2.2 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
534	39	3.2	1.8	3210	S501_1.8 S4 ME4SA6	494	S501_1.8 P112 BE112M6	495
581	35	1.1	4.9	1220	S301_4.9 S3 ME3LA2	490	S301_4.9 P90 BE90L2	491
591	35	1.4	2.4	1190	S301_2.4 S3 ME3LA4	490	S301_2.4 P100 BE100LA4	491
593	35	2.0	4.8	2210	S401_4.8 S3 ME3LA2	492	S401_4.8 P90 BE90L2	493
598	34	2.6	2.4	2200	S401_2.4 S3 ME3LA4	492	S401_2.4 P100 BE100LA4	493
679	30	1.2	1.4	1140	S301_1.4 S4 ME4SA6	490	S301_1.4 P112 BE112M6	491
700	29	2.4	1.4	2090	S401_1.4 S4 ME4SA6	492	S401_1.4 P112 BE112M6	493
726	28	1.4	3.9	1160	S301_3.9 S3 ME3LA2	490	S301_3.9 P90 BE90L2	491
751	27	2.6	3.8	2070	S401_3.8 S3 ME3LA2	492	S401_3.8 P90 BE90L2	493
772	27	2.2	1.9	2040	S401_1.9 S3 ME3LA4	492	S401_1.9 P100 BE100LA4	493
783	26	1.1	1.8	1120	S301_1.8 S3 ME3LA4	490	S301_1.8 P100 BE100LA4	491
921	22	0.9	3.1	730	S201_3.1 S3 ME3LA2	488	S201_3.1 P90 BE90L2	489
936	22	1.8	3.1	1100	S301_3.1 S3 ME3LA2	490	S301_3.1 P90 BE90L2	491
1016	20	1.5	1.4	1050	S301_1.4 S3 ME3LA4	490	S301_1.4 P100 BE100LA4	491
1049	19.6	3.1	1.4	1860	S401_1.4 S3 ME3LA4	492	S401_1.4 P100 BE100LA4	493
1175	17.5	1.2	2.4	710	S201_2.4 S3 ME3LA2	488	S201_2.4 P90 BE90L2	489
1183	17.4	2.3	2.4	1030	S301_2.4 S3 ME3LA2	490	S301_2.4 P90 BE90L2	491
1512	13.6	1.0	1.9	670	S201_1.9 S3 ME3LA2	488	S201_1.9 P90 BE90L2	489
1569	13.1	1.8	1.8	960	S301_1.8 S3 ME3LA2	490	S301_1.8 P90 BE90L2	491
2036	10.1	2.4	1.4	890	S301_1.4 S3 ME3LA2	490	S301_1.4 P90 BE90L2	491
2059	10.0	1.3	1.4	630	S201_1.4 S3 ME3LA2	488	S201_1.4 P90 BE90L2	489

3 kW

n2 min-1	M2 Nm	S	i	Rn2 N	IE2		IEC IE2	
201	140	1.3	4.8	4040	S501_4.8 S4 ME4SB6	494	S501_4.8 P132 BE132S6	495
238	119	1.1	6.1	3910	S501_6.1 S3 ME3LB4	494	S501_6.1 P100 BE100LB4	495
249	113	1.5	3.8	3840	S501_3.8 S4 ME4SB6	494	S501_3.8 P132 BE132S6	495
298	95	1.0	4.8	2490	S401_4.8 S3 ME3LB4	492	S401_4.8 P100 BE100LB4	493
303	93	1.6	4.8	3670	S501_4.8 S3 ME3LB4	494	S501_4.8 P100 BE100LB4	495
313	90	1.2	3.1	2440	S401_3.1 S4 ME4SB6	492	S401_3.1 P132 BE132S6	493
314	89	1.8	3.0	3630	S501_3.0 S4 ME4SB6	494	S501_3.0 P132 BE132S6	495
328	85	1.0	8.8	3600	S501_8.8 S3 ME3LB2	494	S501_8.8 P100 BE100L2	495
375	75	2.0	3.8	3470	S501_3.8 S3 ME3LB4	494	S501_3.8 P100 BE100LB4	495
378	75	1.2	3.8	2370	S401_3.8 S3 ME3LB4	492	S401_3.8 P100 BE100LB4	493
389	72	1.4	7.4	3440	S501_7.4 S3 ME3LB2	494	S501_7.4 P100 BE100L2	495
397	71	2.1	2.4	3390	S501_2.4 S4 ME4SB6	494	S501_2.4 P132 BE132S6	495
399	70	1.5	2.4	2320	S401_2.4 S4 ME4SB6	492	S401_2.4 P132 BE132S6	493
472	60	1.5	3.1	2250	S401_3.1 S3 ME3LB4	492	S401_3.1 P100 BE100LB4	493
473	60	2.3	3.0	3260	S501_3.0 S3 ME3LB4	494	S501_3.0 P100 BE100LB4	495
516	54	1.3	1.9	2170	S401_1.9 S4 ME4SB6	492	S401_1.9 P132 BE132S6	493
534	53	2.4	1.8	3120	S501_1.8 S4 ME4SB6	494	S501_1.8 P132 BE132S6	495
595	47	1.1	2.4	1080	S301_2.4 S3 ME3LB4	490	S301_2.4 P100 BE100LB4	491
596	47	1.5	4.8	2130	S401_4.8 S3 ME3LB2	492	S401_4.8 P100 BE100L2	493
598	47	2.8	2.4	3040	S501_2.4 S3 ME3LB4	494	S501_2.4 P100 BE100LB4	495
602	47	1.9	2.4	2120	S401_2.4 S3 ME3LB4	492	S401_2.4 P100 BE100LB4	493
606	46	2.6	4.8	3030	S501_4.8 S3 ME3LB2	494	S501_4.8 P100 BE100L2	495
672	42	3.0	1.4	2920	S501_1.4 S4 ME4SB6	494	S501_1.4 P132 BE132S6	495
700	40	1.7	1.4	2010	S401_1.4 S4 ME4SB6	492	S401_1.4 P132 BE132S6	493
730	38	1.0	3.9	1070	S301_3.9 S3 ME3LB2	490	S301_3.9 P100 BE100L2	491
755	37	1.9	3.8	2000	S401_3.8 S3 ME3LB2	492	S401_3.8 P100 BE100L2	493
778	36	1.7	1.9	1970	S401_1.9 S3 ME3LB4	492	S401_1.9 P100 BE100LB4	493
789	36	0.8	1.8	900	S301_1.8 S3 ME3LB4	490	S301_1.8 P100 BE100LB4	491



3 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
805	35	3.1	1.8	2780	**S501_1.8 S3 ME3LB4**	494	**S501_1.8 P100 BE100LB4**	495
940	30	1.3	3.1	1020	**S301_3.1 S3 ME3LB2**	490	**S301_3.1 P100 BE100L2**	491
943	30	2.4	3.1	1880	**S401_3.1 S3 ME3LB2**	492	**S401_3.1 P100 BE100L2**	493
1023	28	1.1	1.4	980	**S301_1.4 S3 ME3LB4**	490	**S301_1.4 P100 BE100LB4**	491
1056	27	2.2	1.4	1820	**S401_1.4 S3 ME3LB4**	492	**S401_1.4 P100 BE100LB4**	493
1190	24	1.7	2.4	980	**S301_2.4 S3 ME3LB2**	490	**S301_2.4 P100 BE100L2**	491
1204	23	3.0	2.4	1760	**S401_2.4 S3 ME3LB2**	492	**S401_2.4 P100 BE100L2**	493
1555	18.1	2.7	1.9	1630	**S401_1.9 S3 ME3LB2**	492	**S401_1.9 P100 BE100L2**	493
1577	17.8	1.3	1.8	910	**S301_1.8 S3 ME3LB2**	490	**S301_1.8 P100 BE100L2**	491
2046	13.7	1.7	1.4	850	**S301_1.4 S3 ME3LB2**	490	**S301_1.4 P100 BE100L2**	491
2070	13.6	1.0	1.4	580	**S201_1.4 S3 ME3LB2**	488	**S201_1.4 P100 BE100L2**	489

4 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2		IEC IE2	
203	184	0.9	4.8	3810	**S501_4.8 S4 ME4LA6**	494	**S501_4.8 P132 BE132MA6**	495
251	149	1.2	3.8	3650	**S501_3.8 S4 ME4LA6**	494	**S501_3.8 P132 BE132MA6**	495
303	126	1.2	4.8	3530	**S501_4.8 S4 ME4SA4**	494	**S501_4.8 P112 BE112M4**	495
317	118	1.4	3.0	3470	**S501_3.0 S4 ME4LA6**	494	**S501_3.0 P132 BE132MA6**	495
375	102	1.5	3.8	3360	**S501_3.8 S4 ME4SA4**	494	**S501_3.8 P112 BE112M4**	495
392	96	1.0	7.4	3320	**S501_7.4 S4 ME4SA2**	494	**S501_7.4 P112 BE112M2**	495
401	93	1.6	2.4	3270	**S501_2.4 S4 ME4LA6**	494	**S501_2.4 P132 BE132MA6**	495
472	81	1.1	3.1	2130	**S401_3.1 S4 ME4SA4**	492	**S401_3.1 P112 BE112M4**	493
473	81	1.7	3.0	3170	**S501_3.0 S4 ME4SA4**	494	**S501_3.0 P112 BE112M4**	495
479	78	1.3	6.1	3160	**S501_6.1 S4 ME4SA2**	494	**S501_6.1 P112 BE112M2**	495
521	72	1.0	1.9	2050	**S401_1.9 S4 ME4LA6**	492	**S401_1.9 P132 BE132MA6**	493
540	69	1.8	1.8	3020	**S501_1.8 S4 ME4LA6**	494	**S501_1.8 P132 BE132MA6**	495
598	64	2.0	2.4	2970	**S501_2.4 S4 ME4SA4**	494	**S501_2.4 P112 BE112M4**	495
602	63	1.4	2.4	2030	**S401_2.4 S4 ME4SA4**	492	**S401_2.4 P112 BE112M4**	493
611	61	2.0	4.8	2960	**S501_4.8 S4 ME4SA2**	494	**S501_4.8 P112 BE112M2**	495
679	55	2.3	1.4	2830	**S501_1.4 S4 ME4LA6**	494	**S501_1.4 P132 BE132MA6**	495
708	53	1.3	1.4	1920	**S401_1.4 S4 ME4LA6**	492	**S401_1.4 P132 BE132MA6**	493
755	50	2.4	3.8	2790	**S501_3.8 S4 ME4SA2**	494	**S501_3.8 P112 BE112M2**	495
761	49	1.4	3.8	1930	**S401_3.8 S4 ME4SA2**	492	**S401_3.8 P112 BE112M2**	493
778	49	1.2	1.9	1900	**S401_1.9 S4 ME4SA4**	492	**S401_1.9 P112 BE112M4**	493
805	47	2.3	1.8	2730	**S501_1.8 S4 ME4SA4**	494	**S501_1.8 P112 BE112M4**	495
953	39	2.8	3.0	2610	**S501_3.0 S4 ME4SA2**	494	**S501_3.0 P112 BE112M2**	495
950	39	1.8	3.1	1820	**S401_3.1 S4 ME4SA2**	492	**S401_3.1 P112 BE112M2**	493
1013	38	2.9	1.4	2560	**S501_1.4 S4 ME4SA4**	494	**S501_1.4 P112 BE112M4**	495
1056	36	1.7	1.4	1760	**S401_1.4 S4 ME4SA4**	492	**S401_1.4 P112 BE112M4**	493
1198	31	1.3	2.4	910	**S301_2.4 S4 ME4SA2**	490	**S301_2.4 P112 BE112M2**	491
1213	31	2.3	2.4	1710	**S401_2.4 S4 ME4SA2**	492	**S401_2.4 P112 BE112M2**	493
1566	24	2.0	1.9	1590	**S401_1.9 S4 ME4SA2**	492	**S401_1.9 P112 BE112M2**	493
1588	24	1.0	1.8	860	**S301_1.8 S4 ME4SA2**	490	**S301_1.8 P112 BE112M2**	491
2061	18.2	1.3	1.4	810	**S301_1.4 S4 ME4SA2**	490	**S301_1.4 P112 BE112M2**	491
2127	17.6	2.7	1.4	1460	**S401_1.4 S4 ME4SA2**	492	**S401_1.4 P112 BE112M2**	493

5.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
317	162	1.0	3.0	3260	**S501_3.0 S5 ME5SA6**		494	**S501_3.0 P160 BE160MA6**		495
380	136	1.1	3.8	3150	**S501_3.8 S4 ME4SB4**	**S501_3.8 S4 MX4SB4**	494	**S501_3.8 P132 BE132S4**	**S501_3.8 P132 BX132S4**	495
401	128	1.2	2.4	3090	**S501_2.4 S5 ME5SA6**		494	**S501_2.4 P160 BE160MA6**		495
480	107	1.3	3.0	3000	**S501_3.0 S4 ME4SB4**	**S501_3.0 S4 MX4SB4**	494	**S501_3.0 P132 BE132S4**	**S501_3.0 P132 BX132S4**	495
540	95	1.3	1.8	2880	**S501_1.8 S5 ME5SA6**		494	**S501_1.8 P160 BE160MA6**		495
606	85	1.5	2.4	2830	**S501_2.4 S4 ME4SB4**	**S501_2.4 S4 MX4SB4**	494	**S501_2.4 P132 BE132S4**	**S501_2.4 P132 BX132S4**	495
611	84	1.1	2.4	1870	**S401_2.4 S4 ME4SB4**	**S401_2.4 S4 MX4SB4**	492	**S401_2.4 P132 BE132S4**	**S401_2.4 P132 BX132S4**	493
616	84	1.4	4.8	2840	**S501_4.8 S4 ME4SB2**		494	**S501_4.8 P132 BE132SA2**		495
679	76	1.6	1.4	2720	**S501_1.4 S5 ME5SA6**		494	**S501_1.4 P160 BE160MA6**		495
708	73	1.0	1.4	1780				**S401_1.4 P160 BE160MA6**		493
761	68	1.8	3.8	2690	**S501_3.8 S4 ME4SB2**		494	**S501_3.8 P132 BE132SA2**		495
767	67	1.0	3.8	1810	**S401_3.8 S4 ME4SB2**		492	**S401_3.8 P132 BE132SA2**		493
788	65	0.9	1.9	1770	**S401_1.9 S4 ME4SB4**	**S401_1.9 S4 MX4SB4**	492	**S401_1.9 P132 BE132S4**	**S401_1.9 P132 BX132S4**	493
817	63	1.7	1.8	2610	**S501_1.8 S4 ME4SB4**	**S501_1.8 S4 MX4SB4**	494	**S501_1.8 P132 BE132S4**	**S501_1.8 P132 BX132S4**	495
958	54	1.3	3.1	1730	**S401_3.1 S4 ME4SB2**		492	**S401_3.1 P132 BE132SA2**		493
961	54	2.1	3.0	2530	**S501_3.0 S4 ME4SB2**		494	**S501_3.0 P132 BE132SA2**		495
1027	50	2.2	1.4	2450	**S501_1.4 S4 ME4SB4**	**S501_1.4 S4 MX4SB4**	494	**S501_1.4 P132 BE132S4**	**S501_1.4 P132 BX132S4**	495
1071	48	1.2	1.4	1660	**S401_1.4 S4 ME4SB4**	**S401_1.4 S4 MX4SB4**	492	**S401_1.4 P132 BE132S4**	**S401_1.4 P132 BX132S4**	493
1215	42	2.4	2.4	2370	**S501_2.4 S4 ME4SB2**		494	**S501_2.4 P132 BE132SA2**		495
1223	42	1.7	2.4	1640	**S401_2.4 S4 ME4SB2**		492	**S401_2.4 P132 BE132SA2**		493
1580	33	1.5	1.9	1530	**S401_1.9 S4 ME4SB2**		492	**S401_1.9 P132 BE132SA2**		493
1636	31	2.7	1.8	2170	**S501_1.8 S4 ME4SB2**		494	**S501_1.8 P132 BE132SA2**		495
2058	25	3.4	1.4	2030	**S501_1.4 S4 ME4SB2**		494	**S501_1.4 P132 BE132SA2**		495
2145	24	2.0	1.4	1410	**S401_1.4 S4 ME4SB2**		492	**S401_1.4 P132 BE132SA2**		493

7.5 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
478	146	1.0	3.0	2810	**S501_3.0 S4 ME4LA4**	**S501_3.0 S4 MX4LA4**	494	**S501_3.0 P132 BE132MA4**	**S501_3.0 P132 BX132MA4**	495
540	130	1.0	1.8	2690	**S501_1.8 S5 ME5SB6**		494	**S501_1.8 P160 BE160MB6**		495
604	116	1.1	2.4	2670	**S501_2.4 S4 ME4LA4**	**S501_2.4 S4 MX4LA4**	494	**S501_2.4 P132 BE132MA4**	**S501_2.4 P132 BX132MA4**	495
679	103	1.2	1.4	2560	**S501_1.4 S5 ME5SB6**		494	**S501_1.4 P160 BE160MB6**		495
761	92	1.3	3.8	2570	**S501_3.8 S4 ME4LA2**		494	**S501_3.8 P132 BE132SB2**		495
814	86	1.3	1.8	2490	**S501_1.8 S4 ME4LA4**	**S501_1.8 S4 MX4LA4**	494	**S501_1.8 P132 BE132MA4**	**S501_1.8 P132 BX132MA4**	495
958	73	1.0	3.1	1610	**S401_3.1 S4 ME4LA2**		492	**S401_3.1 P132 BE132SB2**		493
961	73	1.5	3.0	2440	**S501_3.0 S4 ME4LA2**		494	**S501_3.0 P132 BE132SB2**		495
1024	68	1.6	1.4	2350	**S501_1.4 S4 ME4LA4**	**S501_1.4 S4 MX4LA4**	494	**S501_1.4 P132 BE132MA4**	**S501_1.4 P132 BX132MA4**	495
1067	65	0.9	1.4	1540	**S401_1.4 S4 ME4LA4**	**S401_1.4 S4 MX4LA4**	492	**S401_1.4 P132 BE132MA4**	**S401_1.4 P132 BX132MA4**	493
1215	58	1.7	2.4	2290	**S501_2.4 S4 ME4LA2**		494	**S501_2.4 P132 BE132SB2**		495
1223	57	1.2	2.4	1540	**S401_2.4 S4 ME4LA2**		492	**S401_2.4 P132 BE132SB2**		493
1580	44	1.1	1.9	1450	**S401_1.9 S4 ME4LA2**		492	**S401_1.9 P132 BE132SB2**		493
1636	43	2.0	1.8	2110	**S501_1.8 S4 ME4LA2**		494	**S501_1.8 P132 BE132SB2**		495
2058	34	2.5	1.4	1980	**S501_1.4 S4 ME4LA2**		494	**S501_1.4 P132 BE132SB2**		495
2145	33	1.5	1.4	1350	**S401_1.4 S4 ME4LA2**		492	**S401_1.4 P132 BE132SB2**		493

9.2 kW

n_2 min-1	M_2 Nm	S	i	R_{n2} N	IE2	IE3		IEC IE2	IEC IE3	
602	144	0.9	2.4	2530	**S501_2.4 S4 ME4LB4**	**S501_2.4 S5 MX5SA4**	494	**S501_2.4 P132 BE132MB4**	**S501_2.4 P160 BX160MA4**	495
760	113	1.1	3.8	2470	**S501_3.8 S4 ME4LB2**		494	**S501_3.8 P132 BE132MB2**		495
811	107	1.0	1.8	2390	**S501_1.8 S4 ME4LB4**	**S501_1.8 S5 MX5SA4**	494	**S501_1.8 P132 BE132MB4**	**S501_1.8 P160 BX160MA4**	495
959	90	1.2	3.0	2360	**S501_3.0 S4 ME4LB2**		494	**S501_3.0 P132 BE132MB2**		495
1020	85	1.3	1.4	2270	**S501_1.4 S4 ME4LB4**	**S501_1.4 S5 MX5SA4**	494	**S501_1.4 P132 BE132MB4**	**S501_1.4 P160 BX160MA4**	495
1213	71	1.4	2.4	2220	**S501_2.4 S4 ME4LB2**		494	**S501_2.4 P132 BE132MB2**		495
1221	71	1.0	2.4	1460	**S401_2.4 S4 ME4LB2**		492	**S401_2.4 P132 BE132MB2**		493
1633	53	1.6	1.8	2060	**S501_1.8 S4 ME4LB2**		494	**S501_1.8 P132 BE132MB2**		495
2055	42	2.0	1.4	1930	**S501_1.4 S4 ME4LB2**		494	**S501_1.4 P132 BE132MB2**		495
2141	40	1.2	1.4	1300	**S401_1.4 S4 ME4LB2**		492	**S401_1.4 P132 BE132MB2**		493

S 10 — 21 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
S 10 1_1.4	1.4	1972	8.0	1.7	800	310	986	10.0	1.1	800	390	
S 10 1_1.9	1.9	1489	8.0	1.3	800	360	745	10.0	0.80	800	460	
S 10 1_2.5	2.5	1120	8.0	0.96	800	420	560	10.0	0.60	800	520	
S 10 1_3.2	3.2	875	10.0	0.93	800	440	438	12.0	0.56	800	560	
S 10 1_3.8	3.8	727	10.0	0.78	800	480	364	12.0	0.47	800	610	
S 10 1_4.7	4.7	592	10.0	0.63	800	520	296	12.0	0.38	800	660	487
S 10 1_6.1	6.1	458	12.0	0.59	800	560	229	15.0	0.37	800	710	
S 10 1_6.9	6.9	406	12.0	0.52	800	580	203	15.0	0.33	800	740	
S 10 1_8.9	8.9	315	8.0	0.27	800	700	158	10.0	0.17	800	880	
S 10 1_10.3	10.3	272	8.0	0.23	800	740	136	10.0	0.15	800	930	
S 10 1_12.3	12.3	227	8.0	0.19	800	800	114	10.0	0.12	800	1000	

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
S 10 1_1.4	1.4	634	12.0	0.81	800	450	352	14.0	0.53	800	560	
S 10 1_1.9	1.9	479	12.0	0.61	800	520	266	14.0	0.40	800	640	
S 10 1_2.5	2.5	360	12.0	0.46	800	600	200	14.0	0.30	800	740	
S 10 1_3.2	3.2	281	14.0	0.42	800	650	156	17.0	0.28	800	790	
S 10 1_3.8	3.8	234	14.0	0.35	800	700	130	17.0	0.24	800	850	
S 10 1_4.7	4.7	190	14.0	0.28	800	770	106	17.0	0.19	800	930	487
S 10 1_6.1	6.1	147	17.0	0.27	800	820	82	21	0.18	800	1000	
S 10 1_6.9	6.9	130	17.0	0.24	800	860	72	21	0.16	800	1040	
S 10 1_8.9	8.9	101	12.0	0.13	800	1020	56	14.0	0.08	800	1200	
S 10 1_10.3	10.3	87	12.0	0.11	800	1080	49	14.0	0.07	800	1200	
S 10 1_12.3	12.3	73	12.0	0.09	800	1160	41	14.0	0.06	800	1200	

S 20 37 Nm

	i	n₁ = 2800 min⁻¹					n₁ = 1400 min⁻¹					
		n_2 min⁻¹	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min⁻¹	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
S 20 1_1.4	1.4	2014	13.0	2.8	1000	590	1007	17.0	1.8	1000	740	
S 20 1_1.9	1.9	1481	13.0	2.1	1000	680	741	17.0	1.3	1000	860	
S 20 1_2.4	2.4	1148	21	2.6	640	680	574	26	1.6	850	860	
S 20 1_3.1	3.1	900	21	2.0	730	750	450	26	1.3	960	950	
S 20 1_3.9	3.9	712	21	1.6	820	840	356	26	0.99	1000	1060	
S 20 1_4.8	4.8	587	21	1.3	910	920	294	26	0.82	1000	1160	489
S 20 1_5.8	5.8	481	21	1.1	960	1000	241	26	0.67	1000	1260	
S 20 1_7.2	7.2	388	21	0.87	980	1090	194	26	0.54	1000	1370	
S 20 1_8.5	8.5	329	13.0	0.46	1000	1240	165	17.0	0.30	1000	1500	
S 20 1_10.8	10.8	260	13.0	0.36	1000	1350	130	17.0	0.24	1000	1500	
S 20 1_12.4	12.4	225	13.0	0.31	1000	1430	113	17.0	0.20	1000	1500	

	i	n₁ = 900 min⁻¹					n₁ = 500 min⁻¹					
		n_2 min⁻¹	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	n_2 min⁻¹	M_{n2} Nm	P_{n1} kW	R_{n1} N	R_{n2} N	
S 20 1_1.4	1.4	647	20	1.4	1000	850	360	24	0.92	1000	1040	
S 20 1_1.9	1.9	476	20	1.0	1000	990	265	24	0.68	1000	1210	
S 20 1_2.4	2.4	369	30	1.2	990	990	205	37	0.81	1000	1200	
S 20 1_3.1	3.1	289	30	0.93	1000	1110	161	37	0.64	1000	1340	
S 20 1_3.9	3.9	229	30	0.73	1000	1230	127	37	0.50	1000	1490	
S 20 1_4.8	4.8	189	30	0.60	1000	1350	105	37	0.41	1000	1500	489
S 20 1_5.8	5.8	155	30	0.50	1000	1460	86	37	0.34	1000	1500	
S 20 1_7.2	7.2	125	30	0.40	1000	1500	69	37	0.27	1000	1500	
S 20 1_8.5	8.5	106	20	0.23	1000	1500	59	24	0.15	1000	1500	
S 20 1_10.8	10.8	84	20	0.18	1000	1500	47	24	0.12	1000	1500	
S 20 1_12.4	12.4	72	20	0.15	1000	1500	40	24	0.10	1000	1500	

S 30 70 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
S 30 1_1.4	1.4	1986	24	5.1	1500	770	993	30	3.2	1500	970	
S 30 1_1.8	1.8	1530	24	3.9	1500	870	765	30	2.5	1500	1090	
S 30 1_2.4	2.4	1157	40	4.9	1270	850	579	50	3.1	1500	1070	
S 30 1_3.1	3.1	915	40	3.9	1470	950	458	50	2.4	1500	1200	
S 30 1_3.9	3.9	711	40	3.0	1500	1070	355	50	1.9	1500	1360	
S 30 1_4.9	4.9	568	40	2.4	1500	1190	284	50	1.5	1500	1500	491
S 30 1_5.8	5.8	479	40	2.0	1500	1280	239	50	1.3	1500	1610	
S 30 1_7.1	7.1	395	40	1.7	1500	1390	197	50	1.1	1500	1750	
S 30 1_8.9	8.9	315	24	0.81	1500	1650	157	30	0.50	1500	2080	
S 30 1_10.3	10.3	272	24	0.70	1500	1740	136	30	0.44	1500	2190	
S 30 1_13.1	13.1	213	24	0.55	1500	1900	107	30	0.34	1500	2400	

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
S 30 1_1.4	1.4	638	35	2.4	1500	1120	355	42	1.6	1500	1360	
S 30 1_1.8	1.8	492	35	1.8	1500	1260	273	42	1.2	1500	1540	
S 30 1_2.4	2.4	372	58	2.3	1500	1240	207	70	1.5	1500	1510	
S 30 1_3.1	3.1	294	58	1.8	1500	1390	163	70	1.2	1500	1700	
S 30 1_3.9	3.9	228	58	1.4	1500	1570	127	70	0.95	1500	1920	
S 30 1_4.9	4.9	183	58	1.1	1500	1740	101	70	0.76	1500	2120	491
S 30 1_5.8	5.8	154	58	0.95	1500	1870	85	70	0.64	1500	2280	
S 30 1_7.1	7.1	127	58	0.79	1500	2030	71	62	0.47	1500	2400	
S 30 1_8.9	8.9	101	35	0.38	1500	2400	56	42	0.25	1500	2400	
S 30 1_10.3	10.3	87	35	0.33	1500	2400	49	42	0.22	1500	2400	
S 30 1_13.1	13.1	69	35	0.26	1500	2400	38	37	0.15	1500	2400	

S 40 125 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
S 40 1_1.4	1.4	2059	48	10.6	2000	1270	1029	60	6.6	2000	1600	
S 40 1_1.9	1.9	1514	48	7.8	2000	1450	757	60	4.9	2000	1830	
S 40 1_2.4	2.4	1172	70	8.8	1860	1490	586	90	5.6	2000	1870	
S 40 1_3.1	3.1	918	70	6.9	2000	1660	459	90	4.4	2000	2080	
S 40 1_3.8	3.8	735	70	5.5	2000	1830	367	90	3.5	2000	2290	
S 40 1_4.8	4.8	580	70	4.3	2000	2020	290	90	2.8	2000	2530	493
S 40 1_6.1	6.1	461	70	3.5	2000	2220	231	90	2.2	2000	2790	
S 40 1_7.2	7.2	392	63	2.6	2000	2410	196	80	1.7	2000	3030	
S 40 1_8.6	8.6	324	48	1.7	2000	2670	162	60	1.0	2000	3370	
S 40 1_10.7	10.7	262	40	1.1	2000	2930	131	50	0.70	2000	3690	
S 40 1_12.4	12.4	226	40	1.0	2000	3100	113	50	0.60	2000	3800	

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
S 40 1_1.4	1.4	662	70	4.9	2000	1850	368	85	3.3	2000	2250	
S 40 1_1.9	1.9	486	70	3.6	2000	2120	270	85	2.5	2000	2580	
S 40 1_2.4	2.4	377	105	4.2	2000	2160	209	125	2.8	2000	2650	
S 40 1_3.1	3.1	295	105	3.3	2000	2400	164	125	2.2	2000	2940	
S 40 1_3.8	3.8	236	105	2.7	2000	2650	131	125	1.8	2000	3240	
S 40 1_4.8	4.8	186	105	2.1	2000	2930	104	125	1.4	2000	3580	493
S 40 1_6.1	6.1	148	105	1.7	2000	3220	82	110	1.0	2000	3800	
S 40 1_7.2	7.2	126	90	1.2	2000	3530	70	90	0.67	2000	3800	
S 40 1_8.6	8.6	104	70	0.78	2000	3800	58	85	0.53	2000	3800	
S 40 1_10.7	10.7	84	58	0.52	2000	3800	47	70	0.35	2000	3800	
S 40 1_12.4	12.4	73	58	0.45	2000	3800	40	70	0.30	2000	3800	

S 50 200 Nm

	i	n_1 = 2800 min^{-1}					n_1 = 1400 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
S 50 1_1.4	1.4	1972	85	17.9	730	1720	986	110	11.6	730	2150	495
S 50 1_1.8	1.8	1564	85	14.2	1220	1920	782	110	9.2	1370	2400	
S 50 1_2.4	2.4	1162	100	12.4	930	2110	581	130	8.1	970	2640	
S 50 1_3.0	3.0	921	110	10.8	860	2300	461	140	6.9	1020	2880	
S 50 1_3.8	3.8	729	120	9.3	640	2480	365	150	5.8	860	3130	
S 50 1_4.8	4.8	589	120	7.6	880	2710	295	150	4.7	1160	3420	
S 50 1_6.1	6.1	462	100	4.9	1980	3100	231	130	3.2	2330	3880	
S 50 1_7.4	7.4	378	100	4.0	2060	3340	189	130	2.6	2400	4190	
S 50 1_8.8	8.8	319	85	2.9	2400	3640	160	110	1.9	2400	4570	
S 50 1_10.5	10.5	268	85	2.4	2400	3880	134	110	1.6	2400	4870	
S 50 1_12.9	12.9	217	80	1.9	2400	4200	109	100	1.2	2400	5300	

	i	n_1 = 900 min^{-1}					n_1 = 500 min^{-1}					
		n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	n_2	M_{n2}	P_{n1}	R_{n1}	R_{n2}	
		min^{-1}	Nm	kW	N	N	min^{-1}	Nm	kW	N	N	
S 50 1_1.4	1.4	634	125	8.5	1010	2510	352	155	5.8	1040	3040	495
S 50 1_1.8	1.8	503	125	6.7	1730	2790	279	155	4.6	1940	3380	
S 50 1_2.4	2.4	373	150	6.0	1160	3060	207	180	4.0	1530	3730	
S 50 1_3.0	3.0	296	160	5.1	1290	3350	164	200	3.5	1310	4050	
S 50 1_3.8	3.8	234	175	4.4	940	3620	130	200	2.8	1740	4460	
S 50 1_4.8	4.8	189	175	3.5	1290	3960	105	180	2.0	2400	4970	
S 50 1_6.1	6.1	149	150	2.4	2400	4500	83	150	1.3	2400	5620	
S 50 1_7.4	7.4	122	140	1.8	2400	4900	68	140	1.0	2400	6100	
S 50 1_8.8	8.8	103	125	1.4	2400	5310	57	125	0.80	2400	6580	
S 50 1_10.5	10.5	86	115	1.1	2400	5700	48	115	0.60	2400	7050	
S 50 1_12.9	12.9	70	100	0.70	2400	6210	39	100	0.40	2400	7200	

79 PREDISPOSIZIONI MOTORE

Nelle tabelle (E68) e (E69) vengono riportati gli abbinamenti motore possibili in termini puramente geometrici.

La scelta del motoriduttore deve essere effettuata seguendo le istruzioni specificate al paragrafo 11, rispettando in particolare la condizione S ≥ f_s.

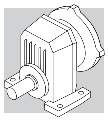
(E 68)

		IEC_ BN BE BX (IM B5)																		
		BN		BN	BE	BN	BE	BN	BE	BN	BE	BN	BE	BX	BN	BE	BX	BN	BE	BX
P_{n1} (#) [kW]	2p	0.37	0.75	1.5	1.1	2.2	2.2	4	3	4	4	9.2	9.2	—	18.5	18.5	—	22	—	—
	4p	0.25	0.55	1.1	0.75	1.85	1.5	3	3	4	4	9.2	9.2	7.5	15	15	15	22	22	22
	6p	0.12	0.37	0.75	—	1.1	0.75	1.85	1.5	2.2	2.2	5.5	4	—	11	7.5	—	15	—	—
		P63	**P71**	**P80**		**P90**		**P100**		**P112**		**P132**			**P160**			**P180**		
S 10 1	i =	1.4_12.3	1.4_12.3	1.4_8.9		1.4_8.9		1.4_8.9		1.4_8.9										
S 20 1	i =	1.9_12.4	1.9_12.4	1.4_10.8		1.4_10.8		1.4_10.8		1.4_10.8										
S 30 1	i =	2.4_13.1	2.4_13.1	1.4_13.1		1.4_13.1		1.4_13.1		1.4_13.1		1.4_4.9								
S 40 1	i =	3.1_12.4	3.1_12.4	1.4_12.4		1.4_12.4		1.4_12.4		1.4_12.4		1.4_6.1								
S 50 1	i =	3.8_12.9	3.8_12.9	1.4_12.9		1.4_12.9		1.4_12.9		1.4_12.9		1.4_7.4			1.4_7.4			1.4_7.4		

(#) **P_{n1}** = massima potenza installabile sull'ingresso P_

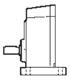
(E 69)

		M ME MX					
		M05	**M1**	**M2 - ME2**	**ME3**	**ME4 - MX4**	**ME5 - MX5**
S 10 1	i =	1.4_12.3	1.4_6.9	1.4_8.9	1.4_8.9		
S 20 1	i =	1.9_12.4	1.9_8.5	1.4_10.8	1.4_10.8		
S 30 1	i =		2.4_10.3	1.4_13.1	1.4_13.1	1.4_4.9	
S 40 1	i =		3.1_12.4	1.4_12.4	1.4_12.4	1.4_6.1	
S 50 1	i =		3.8_12.9	1.4_12.9	1.4_12.9	1.4_7.4	1.4_7.4

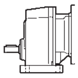


80 MOMENTO D’INERZIA

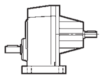
Le tabelle seguenti indicano i valori del momento d’inerzia J_r [kgm^2] riferiti all’asse veloce del riduttore; per una migliore facilità di lettura riportiamo le definizioni dei simboli usati.



I valori riferiti a questo simbolo sono da attribuire al riduttore compatto senza motore. In questo caso, per avere il momento d’inerzia complessivo del motoriduttore, si dovrà sommare il valore corrispondente al riduttore compatto, a quello del motore da applicare (dato reperibile nelle tabelle delle caratteristiche tecniche dei motori elettrici).

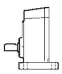
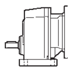
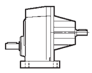
 IEC

I valori relativi a questi simboli sono da attribuire al riduttore predisposto per attacco motore (grandezza IEC...).



I valori attribuiti al riduttore sono riferiti a questo simbolo.

S 10

	i	J (•10^{-4}) [kgm^2]							
			 IEC 63	71	80	90	100	112	
S 10 1_1.4	1.4	0.33	1.8	1.8	3.2	3.1	4.4	4.4	1.2
S 10 1_1.9	1.9	0.22	1.7	1.7	3.1	3.0	4.3	4.3	1.1
S 10 1_2.5	2.5	0.16	1.6	1.6	3.0	2.9	4.2	4.2	1.0
S 10 1_3.2	3.2	0.10	1.6	1.6	3.0	2.9	4.2	4.2	0.97
S 10 1_3.9	3.9	0.08	1.5	1.5	2.9	2.9	4.2	4.2	0.95
S 10 1_4.7	4.7	0.06	1.5	1.5	2.9	2.8	4.1	4.1	0.93
S 10 1_6.1	6.1	0.04	1.5	1.5	2.9	2.8	4.1	4.1	0.92
S 10 1_6.9	6.9	0.03	1.5	1.5	2.9	2.8	4.1	4.1	0.91
S 10 1_8.9	8.9	0.02	1.5	1.5	2.9	2.8	4.1	4.1	0.90
S 10 1_10.3	10.3	0.02	1.5	1.5	—	—	—	—	0.89
S 10 1_12.3	12.3	0.01	1.5	1.5	—	—	—	—	0.89

S 20

	i	J (•10-4) [kgm2]							
			IEC						
			63	71	80	90	100	112	
S 20 1_1.4	1.4	0.73	—	—	3.6	3.5	4.8	4.8	2.7
S 20 1_1.9	1.9	0.48	1.9	1.9	3.3	3.3	4.6	4.6	2.4
S 20 1_2.4	2.4	0.34	1.8	1.8	3.2	3.1	4.4	4.4	2.3
S 20 1_3.1	3.1	0.20	1.7	1.7	3.0	3.0	4.3	4.3	2.1
S 20 1_3.9	3.9	0.14	1.6	1.6	3.0	2.9	4.2	4.2	2.1
S 20 1_4.8	4.8	0.12	1.6	1.6	3.0	2.9	4.2	4.2	2.0
S 20 1_5.8	5.8	0.08	1.6	1.5	2.9	2.9	4.2	4.2	2.0
S 20 1_7.2	7.2	0.06	1.5	1.5	2.9	2.8	4.1	4.1	2.0
S 20 1_8.5	8.5	0.05	1.5	1.5	2.9	2.8	4.1	4.1	2.0
S 20 1_10.8	10.8	0.03	1.5	1.5	2.9	2.8	4.1	4.1	1.9
S 20 1_12.4	12.4	0.02	1.5	1.5	—	—	—	—	1.9

S 30

	i	J (•10-4) [kgm2]								
			IEC							
			63	71	80	90	100	112	132	
S 30 1_1.4	1.4	1.5	—	—	4.3	4.3	5.6	5.6	18	3.8
S 30 1_1.8	1.8	1.1	—	—	3.9	3.8	5.1	5.1	18	3.4
S 30 1_2.4	2.4	0.59	2.1	2.0	3.4	3.4	4.7	4.7	17	2.9
S 30 1_3.1	3.1	0.45	1.9	1.9	3.3	3.2	4.5	4.5	17	2.8
S 30 1_3.9	3.9	0.33	1.8	1.8	3.2	3.1	4.4	4.4	17	2.7
S 30 1_4.9	4.9	0.24	1.7	1.7	3.1	3.0	4.3	4.3	17	2.6
S 30 1_5.8	5.8	0.19	1.7	1.7	3.0	3.0	4.3	4.3	—	2.6
S 30 1_7.1	7.1	0.14	1.6	1.6	3.0	2.9	4.2	4.2	—	2.5
S 30 1_8.9	8.9	0.10	1.6	1.6	2.9	2.9	4.2	4.2	—	2.5
S 30 1_10.3	10.3	0.08	1.5	1.5	2.9	2.9	4.2	4.2	—	2.4
S 30 1_13.1	13.1	0.05	1.5	1.5	2.9	2.8	4.1	4.1	—	2.4

S 40

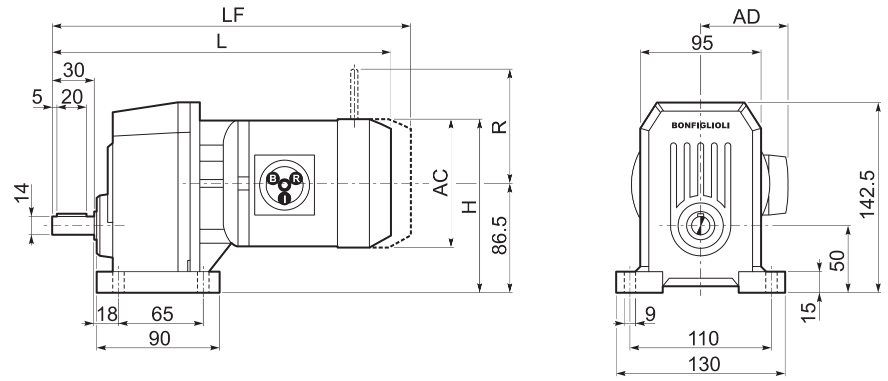
	i	J (•10-4) [kgm2]								
			IEC							
			63	71	80	90	100	112	132	
S 40 1_1.4	1.4	3.7	—	—	6.5	6.5	7.8	7.8	23	14
S 40 1_1.9	1.9	2.4	—	—	5.2	5.2	6.5	6.5	21	13
S 40 1_2.4	2.4	1.6	—	—	4.4	4.4	5.7	5.7	21	12
S 40 1_3.1	3.1	1.1	2.6	2.6	4.0	3.9	5.2	5.2	20	12
S 40 1_3.8	3.8	0.82	2.3	2.3	3.7	3.6	4.9	4.9	18	11
S 40 1_4.8	4.8	0.50	2.0	2.0	3.3	3.3	4.6	4.6	18	11
S 40 1_6.1	6.1	0.39	1.8	1.8	3.2	3.2	4.5	4.5	18	11
S 40 1_7.2	7.2	0.30	1.8	1.8	3.1	3.1	4.4	4.4	—	11
S 40 1_8.6	8.6	0.22	1.7	1.7	3.1	3.0	4.3	4.3	—	11
S 40 1_10.7	10.7	0.15	1.6	1.6	3.0	2.9	4.2	4.2	—	11
S 40 1_12.4	12.4	0.12	1.6	1.6	3.0	2.8	4.2	4.2	—	11

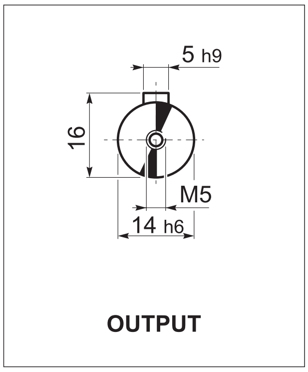
S 50

	i	J (•10-4) [kgm2]										
			IEC									
			63	71	80	90	100	112	132	160	180	
S 50 1_1.4	1.4	8.2	—	—	11	11	12	12	27	86	84	19
S 50 1_1.8	1.8	5.9	—	—	8.8	8.7	10	10	25	84	82	16
S 50 1_2.4	2.4	3.9	—	—	6.8	6.7	8.0	8.0	23	82	80	14
S 50 1_3.0	3.0	2.7	—	—	5.5	5.5	6.8	6.8	22	81	79	13
S 50 1_3.8	3.8	1.9	3.3	3.3	4.7	4.6	5.9	5.9	21	80	78	12
S 50 1_4.8	4.8	1.4	2.8	2.8	4.2	4.1	5.4	5.4	21	79	77	12
S 50 1_6.1	6.1	0.89	2.4	2.4	3.7	3.7	5.0	5.0	21	79	77	11
S 50 1_7.4	7.4	0.63	2.1	2.1	3.5	3.4	4.7	4.7	20	79	77	11
S 50 1_8.8	8.8	0.50	2.0	2.0	3.4	3.3	4.6	4.6	—	—	—	11
S 50 1_10.5	10.5	0.36	1.8	1.8	3.2	3.1	4.4	4.4	—	—	—	11
S 50 1_12.9	12.9	0.25	1.7	1.7	3.1	3.0	4.3	4.3	—	—	—	11

S 10...M/ME

P





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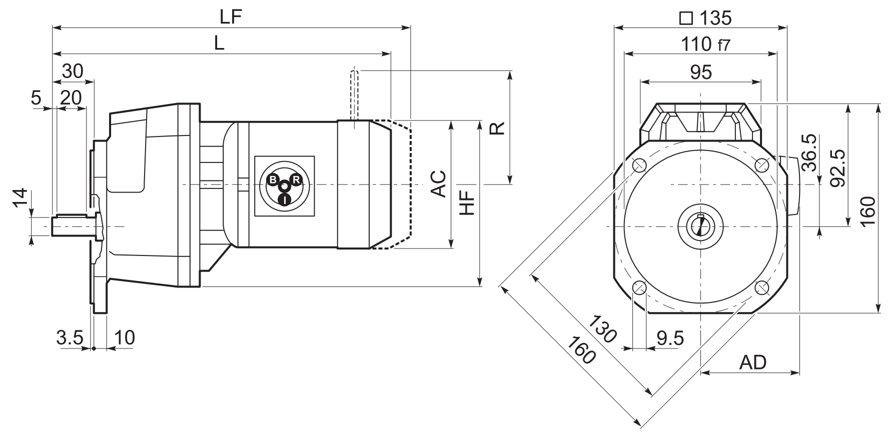
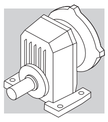
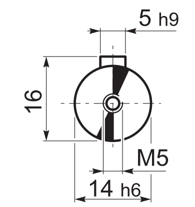


			AC	H	HF	L	AD	Kg	M...FD M...FA LF	M...FD M...FA Kg	M...FD R	M...FD AD	M...FA R	M...FA AD
S 10 1	**S05**	**M05**	121	147	143	315	95	8	381	11	96	122	116	95
S 10 1	**S1**	**M1**	137	155	151	344	102	10	405	13	103	135	124	108
S 10 1	**S2**	**M2S**	156	164	160	367	111	13	443	17	129	146	134	119
S 10 1	**S2**	**ME2S**	156	164	160	367	111	13	—	—	—	—	—	—
S 10 1	**S3**	**ME3S**	195	184	180	416	135	20.5	—	—	—	—	—	—
S 10 1	**S3**	**ME3L**	195	184	180	448	135	21	—	—	—	—	—	—



S 10...P (IEC)



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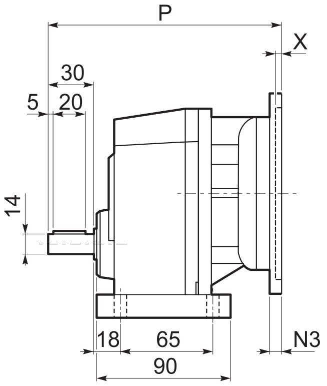

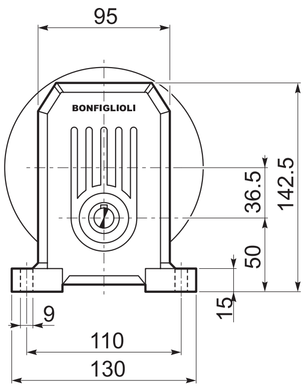

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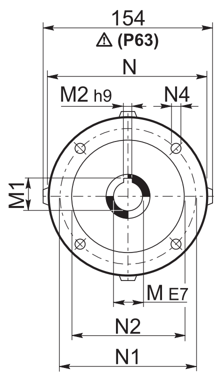

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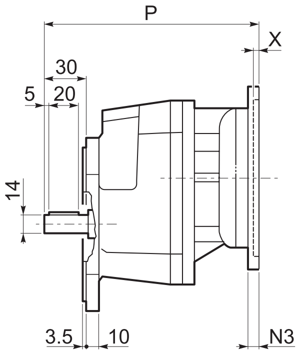
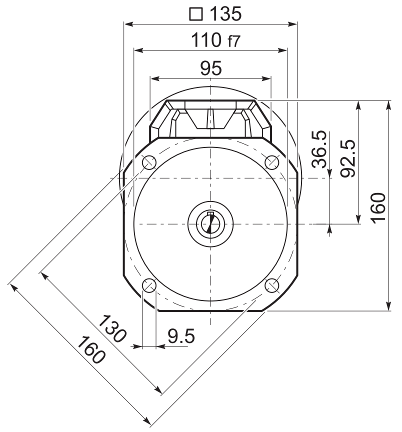
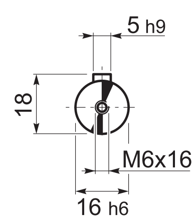




F

		M	M1	M2	N	N1	N2	N3	N4	P	X	Kg
S 10 1	**P63**	11	12.8	4	140	115	95	—	M8x10	189	4	5
S 10 1	**P71**	14	16.3	5	160	130	110	—	M8x10	189	4.5	5
S 10 1	**P80**	19	21.8	6	200	165	130	—	M10x12	208	4	6
S 10 1	**P90**	24	27.3	8	200	165	130	—	M10x12	208	4	6
S 10 1	**P100**	28	31.3	8	250	215	180	—	M12x16	218	4.5	10
S 10 1	**P112**	28	31.3	8	250	215	180	—	M12x16	218	4.5	10

S 10...HS



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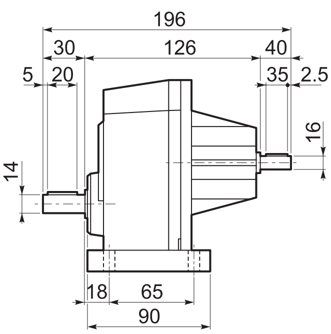
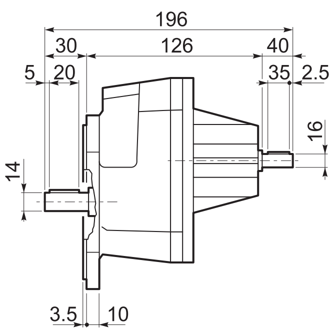


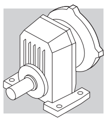
P

Kg	4.4



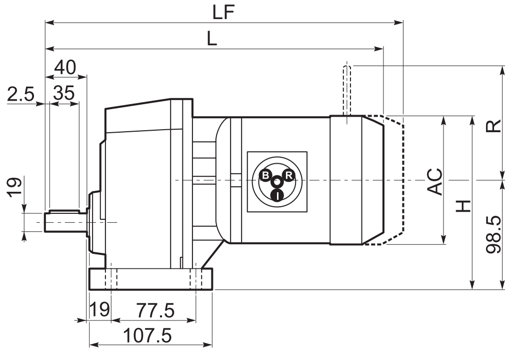
F

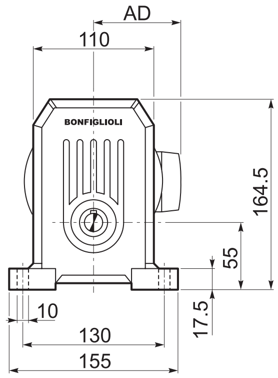
Kg	4.5

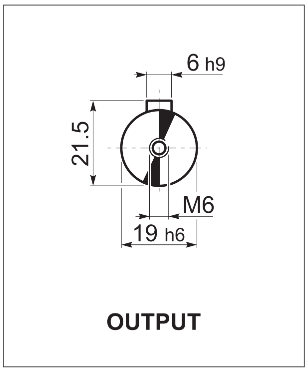


S 20...M/ME

P







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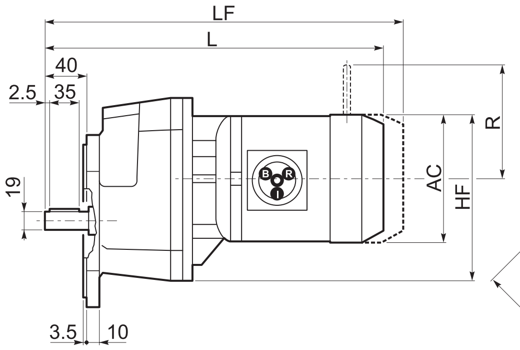
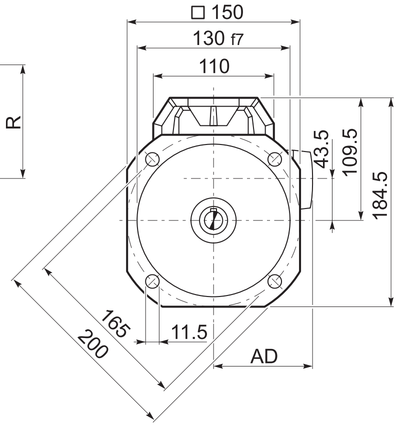
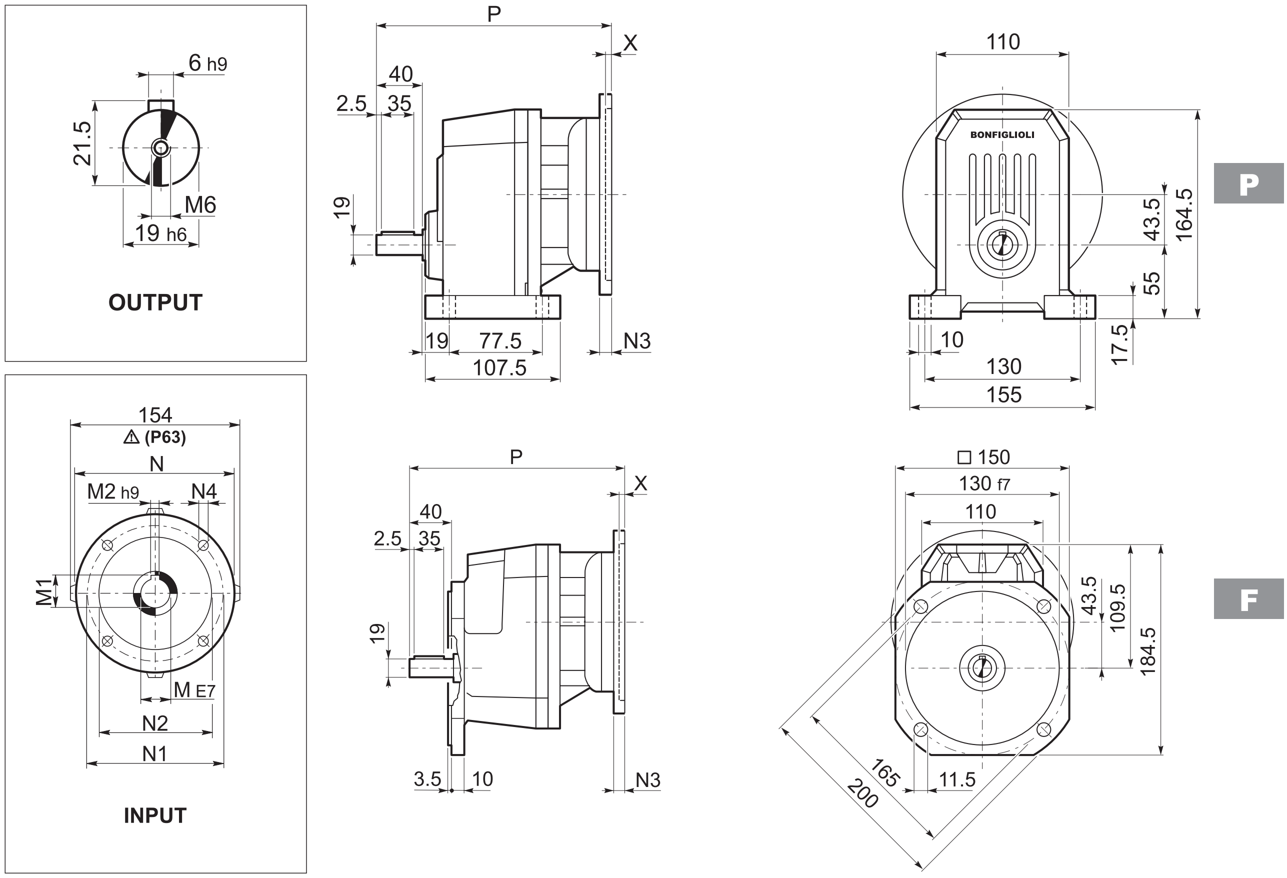




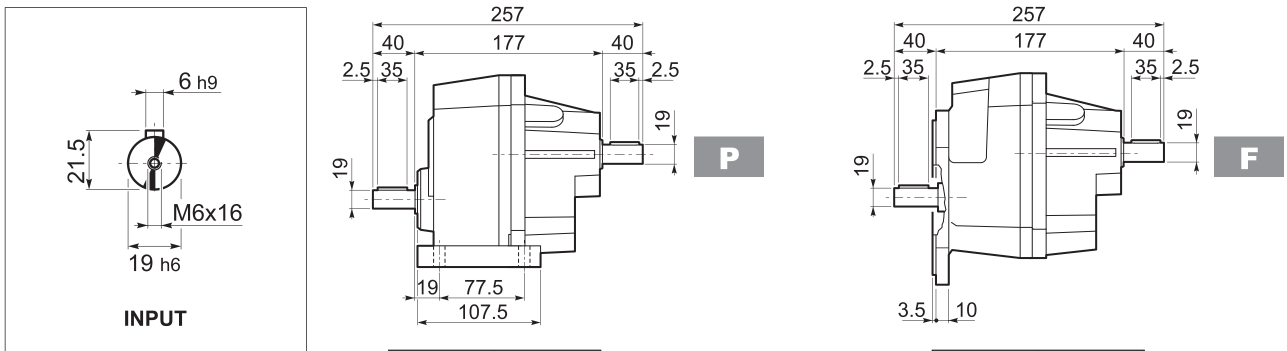
									M...FD M...FA		M...FD		M...FA	
			AC	H	HF	L	AD	Kg	LF	Kg	R	AD	R	AD
S 20 1	S05	M05	121	159	153	333.5	95	10	399.5	12	96	122	116	95
S 20 1	S1	M1	137	167	161	362.5	102	12	423.5	14	103	135	124	108
S 20 1	S2	M2S	156	176	170	385.5	111	16	461.5	19	129	146	134	119
S 20 1	S2	ME2S	156	176	170	385.5	111	16	—	—	—	—	—	—
S 20 1	S3	ME3S	195	196	190	434.5	135	21.5	—	—	—	—	—	—
S 20 1	S3	ME3L	195	196	190	466.5	135	26	—	—	—	—	—	—

S 20...P(IEC)



		M	M1	M2	N	N1	N2	N3	N4	P	X	Kg
S 20 1	**P63**	11	12.8	4	140	115	95	—	M8x10	207	4	6
S 20 1	**P71**	14	16.3	5	160	130	110	—	M8x10	207	4.5	6
S 20 1	**P80**	19	21.8	6	200	165	130	—	M10x12	227	4	7
S 20 1	**P90**	24	27.3	8	200	165	130	—	M10x12	227	4	7
S 20 1	**P100**	28	31.3	8	250	215	180	—	M12x16	237	4.5	11
S 20 1	**P112**	28	31.3	8	250	215	180	—	M12x16	237	4.5	11

S 20...HS

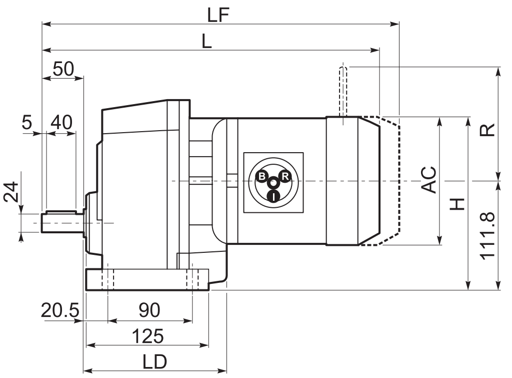


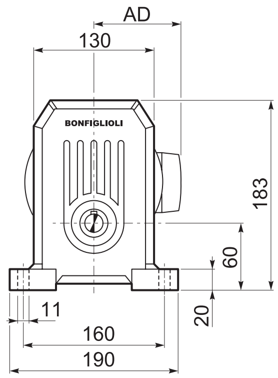
Kg	6.0

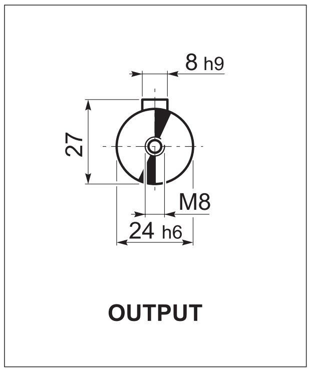
Kg	6.2

S 30...M/ME

P







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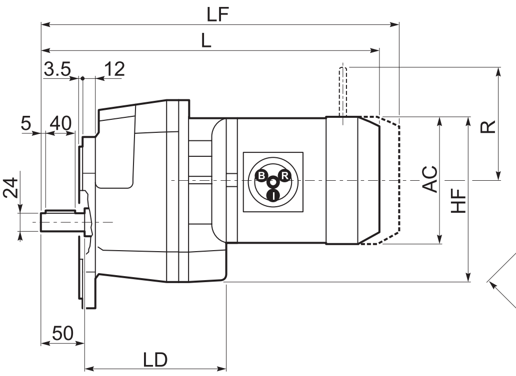
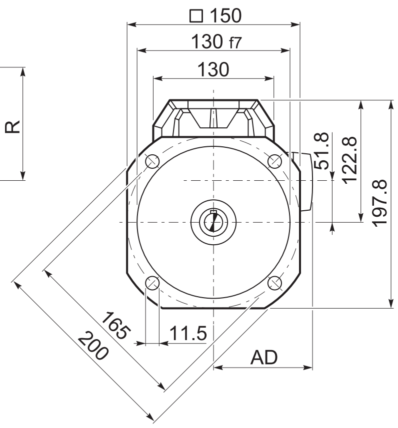
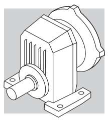
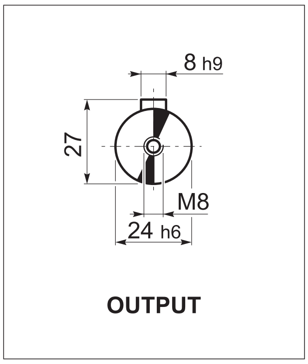


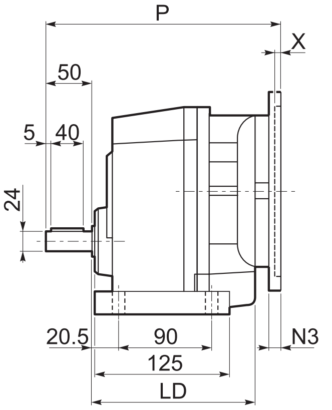


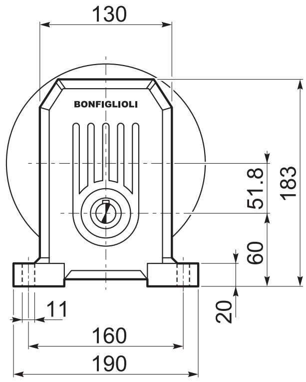
											M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
S 30 1	S1	M1		137	180	177	387.5	140.5	102	14	448.5	16	103	135	124	108
S 30 1	S2	MES		156	190	186	410.5	152.5	111	18	486.5	21	129	146	134	119
S 30 1	S2	ME2S		156	190	186	410.5	152.5	111	18	—	—	—	—	—	—
S 30 1	S3	ME3S		195	209	206	459.5	162.5	135	24.5	—	—	—	—	—	—
S 30 1	S3	ME3L		195	209	206	491.5	162.5	135	32	—	—	—	—	—	—
S 30 1	S4	ME4	MX4	258	240.8	237	599.5	—	193	71	—	—	—	—	—	—
S 30 1	S4	ME4LB	MX4LA	258	240.8	237	634.5	—	193	79	—	—	—	—	—	—



S 30...P(IEC)







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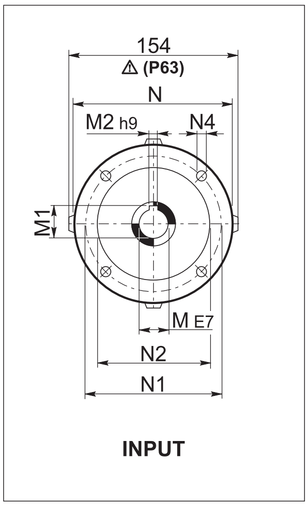
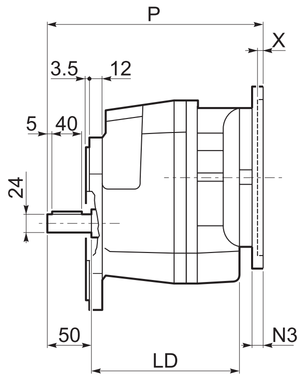
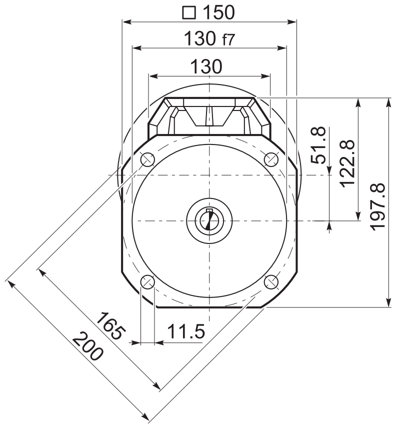


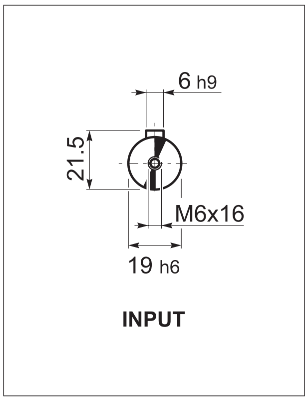


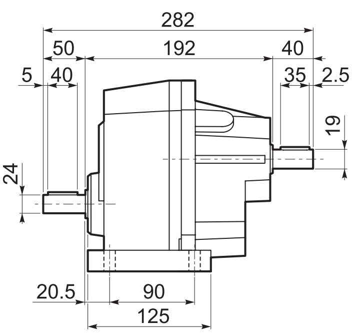


F

		LD	M	M1	M2	N	N1	N2	N3	N4	P	X	Kg
S 30 1	**P63**	152.5	11	12.8	4	140	115	95	—	M8x10	232	4	8
S 30 1	**P71**	152.5	14	16.3	5	160	130	110	—	M8x10	232	4.5	8
S 30 1	**P80**	162.5	19	21.8	6	200	165	130	—	M10x12	252	4	9
S 30 1	**P90**	162.5	24	27.3	8	200	165	130	—	M10x12	252	4	9
S 30 1	**P100**	162.5	28	31.3	8	250	215	180	—	M12x16	262	4.5	13
S 30 1	**P112**	162.5	28	31.3	8	250	215	180	—	M12x16	262	4.5	13
S 30 1	**P132**	—	38	41.3	10	300	265	230	16	14	298.5	5	21

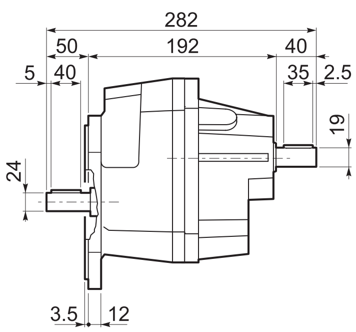
S 30...HS





P

Kg	9.0

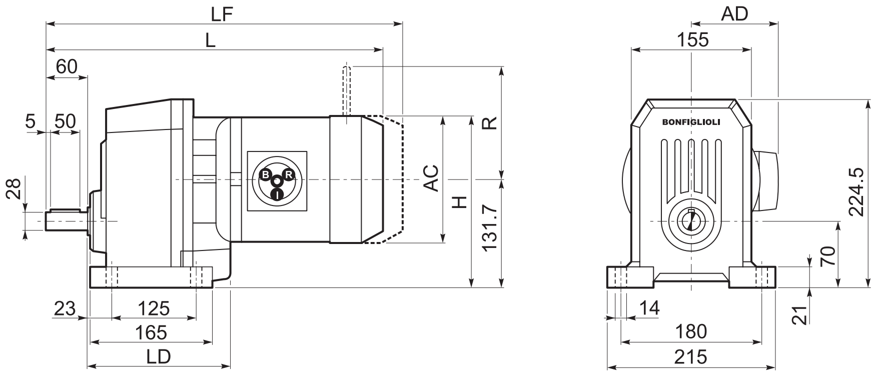


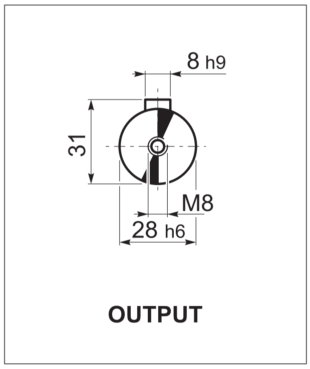
F

Kg	9.3

S 40...M/ME

P





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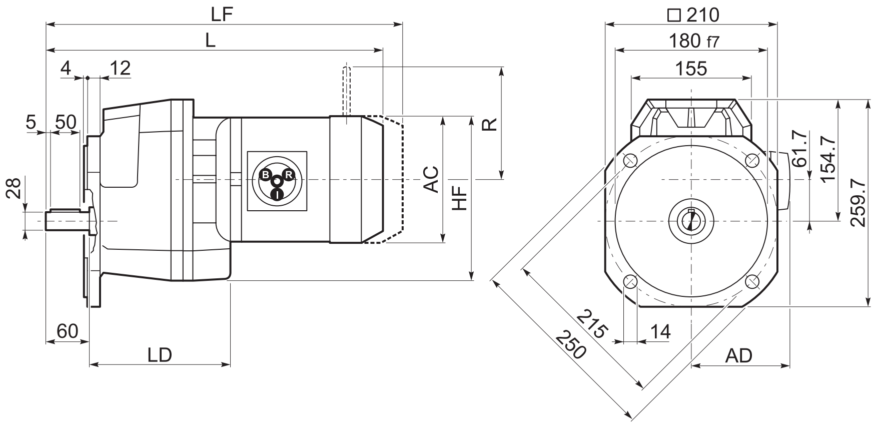
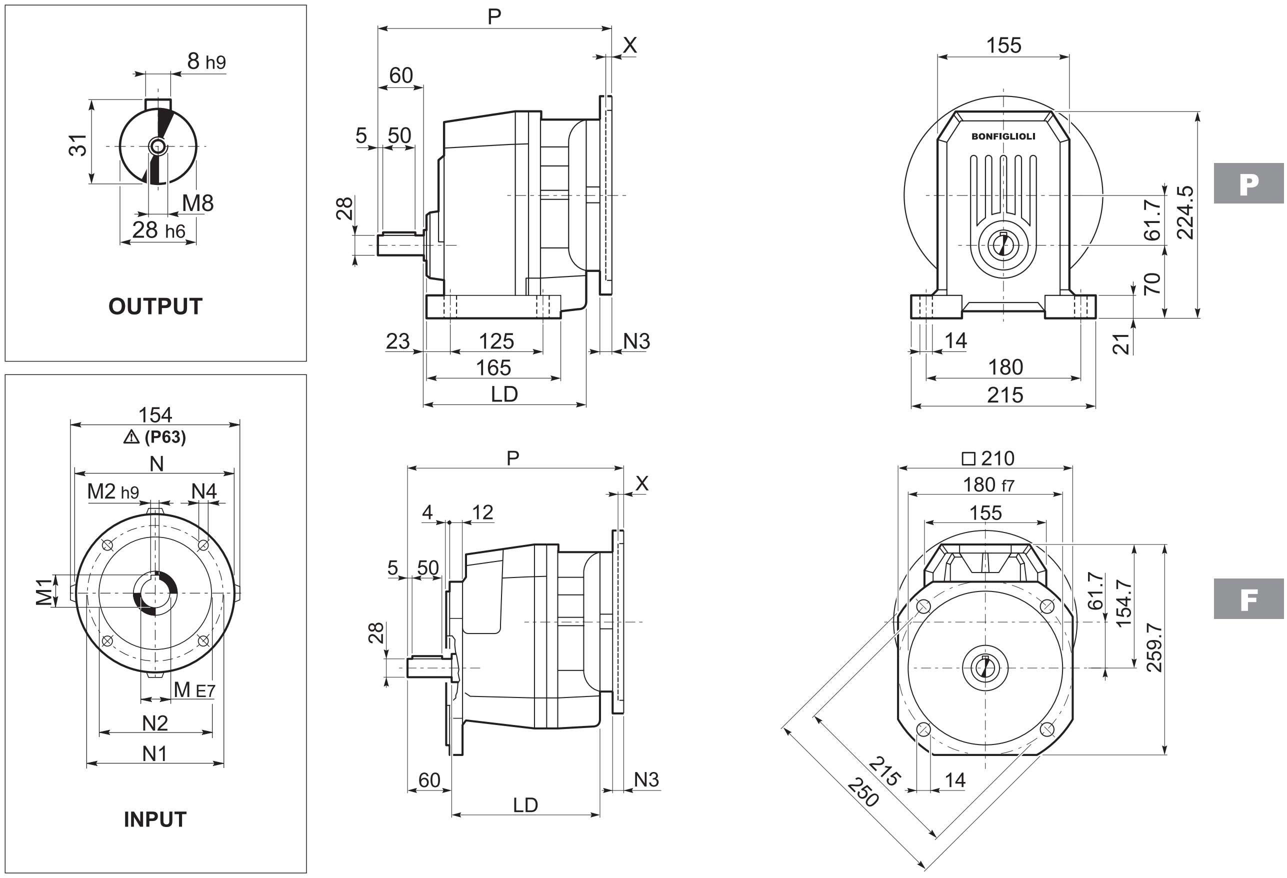


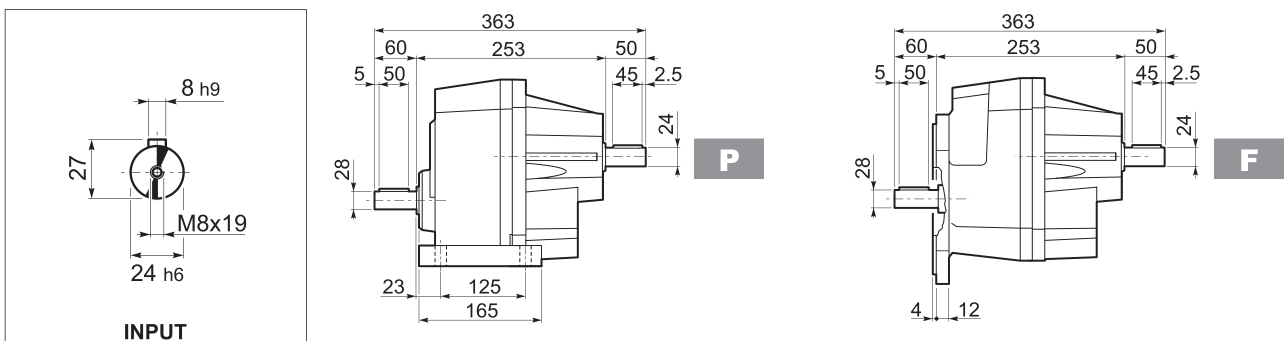
											M...FD M...FA		M...FD		M...FA	
				AC	H	HF	L	LD	AD	Kg	LF	Kg	R	AD	R	AD
S 40 1	**S1**	**M1**		137	200	197	429.5	168	102	28	490.5	31	103	135	124	108
S 40 1	**S2**	**M2S**		156	210	206	452.5	183.5	111	34	528.5	37	129	146	134	119
S 40 1	**S2**	**ME2S**		156	210	206	452.5	183.5	111	34	—	—	—	—	—	—
S 40 1	**S3**	**ME3S**		195	229	226	501.5	199.5	135	40.5	—	—	—	—	—	—
S 40 1	**S3**	**ME3L**		195	229	226	533.5	199.5	135	48	—	—	—	—	—	—
S 40 1	**S4**	**ME4**	**MX4**	258	261	257	641.5	—	193	82	—	—	—	—	—	—
S 40 1	**S4**	**ME4LB**	**MX4LA**	258	261	257	676.5	—	193	90	—	—	—	—	—	—

S 40...P(IEC)



		LD	M	M1	M2	N	N1	N2	N3	N4	P	X	Kg
S 40 1	**P63**	183.5	11	12.8	4	140	115	95	—	M8x10	274	4	25
S 40 1	**P71**	183.5	14	16.3	5	160	130	110	—	M8x10	274	4.5	26
S 40 1	**P80**	199.5	19	21.8	6	200	165	130	—	M10x12	294	4	26
S 40 1	**P90**	199.5	24	27.3	8	200	165	130	—	M10x12	294	4	30
S 40 1	**P100**	—	28	31.3	8	250	215	180	—	M12x16	304	4.5	30
S 40 1	**P112**	—	28	31.3	8	250	215	180	—	M12x16	304	4.5	30
S 40 1	**P132**	—	38	41.3	10	300	265	230	16	14	340	5	32

S 40...HS

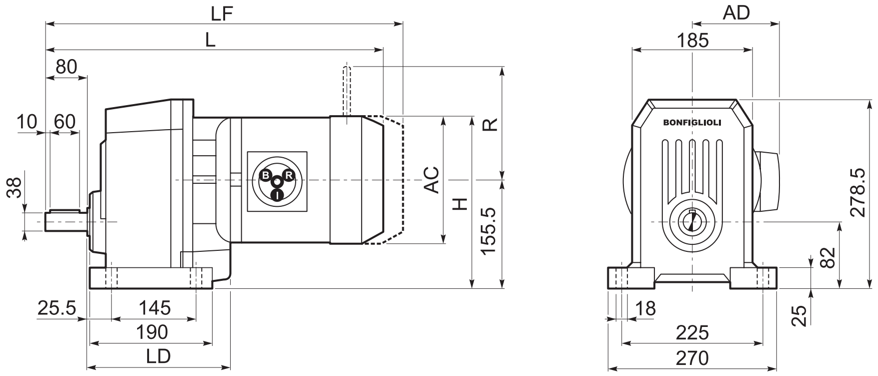


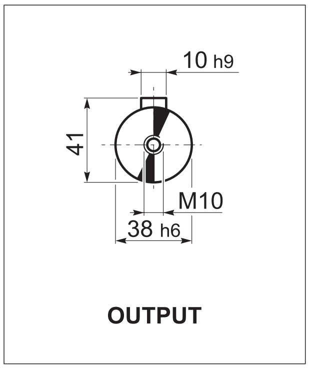
Kg	26.0

Kg	27.7

S 50...M/ME

P





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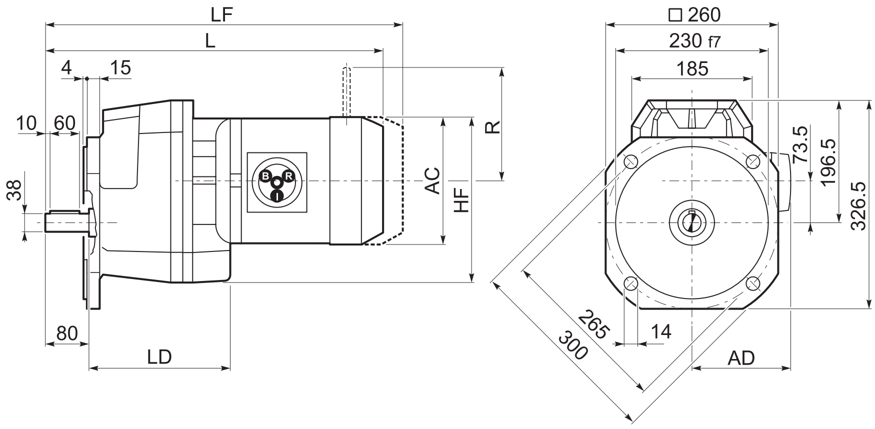
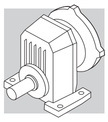
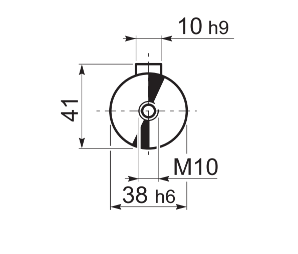


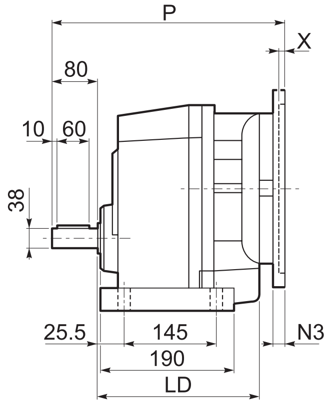
				AC	H	HF	L	LD	AD	Kg	M...FD M...FA LF	Kg	M...FD R	M...FD AD	M...FA R	M...FA AD
S 50 1	**S1**	**M1**		137	225	222	469	—	102	40	530	42	103	135	124	108
S 50 1	**S2**	**M2S**		156	233	230	492.5	204.5	111	44	568.5	47	129	146	134	119
S 50 1	**S2**	**ME2S**		156	233	230	492.5	204.5	111	44	—	—	—	—	—	—
S 50 1	**S3**	**ME3S**		195	253	250	541.5	219.5	135	52.5	—	—	—	—	—	—
S 50 1	**S3**	**ME3L**		195	253	250	573.5	219.5	135	60	—	—	—	—	—	—
S 50 1	**S4**	**ME4**	**MX4**	258	284	281	681.5	204.5	193	86	—	—	—	—	—	—
S 50 1	**S4**	**ME4LB**	**MX4LA**	258	284	281	716.5	204.5	193	94	—	—	—	—	—	—
S 50 1	**S5**	**ME5S**	**MX5S**	310	310.5	307	768	—	245	114	—	—	—	—	—	—
S 50 1	**S5**	**ME5L**	**MX5L**	310	310.5	307	812	—	245	130	—	—	—	—	—	—

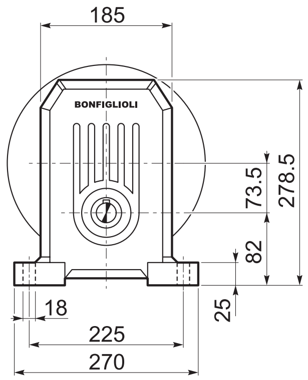


S 50...P(IEC)

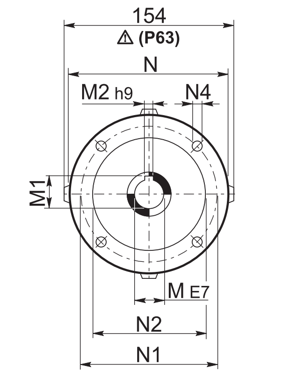


OUTPUT





P



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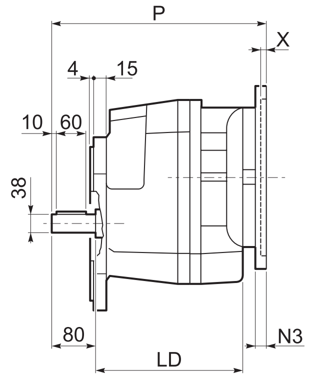
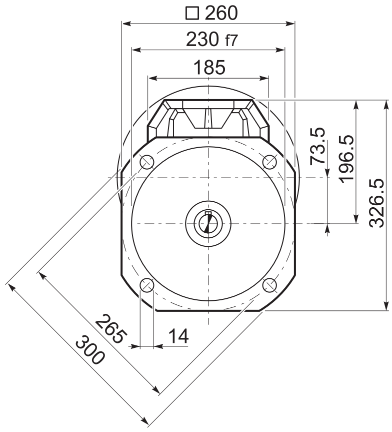
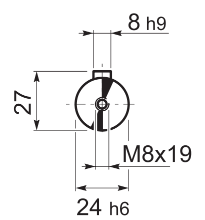




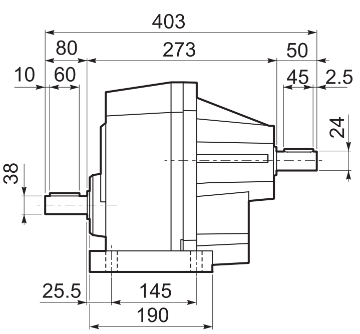
F

		LD	M	M1	M2	N	N1	N2	N3	N4	P	X	Kg
S 50 1	**P63**	204.5	11	12.8	4	140	115	95	—	M8x10	314	4	35
S 50 1	**P71**	204.5	14	12.8	4	160	130	110	—	M8x10	314	4.5	35
S 50 1	**P80**	219.5	19	16.3	5	200	165	130	—	M10x12	314	4	37
S 50 1	**P90**	219.5	24	21.8	6	200	165	130	—	M10x12	334	4	37
S 50 1	**P100**	204.5	28	27.3	8	250	215	180	—	M12x16	344	4.5	41
S 50 1	**P112**	204.5	28	31.3	8	250	215	180	—	M12x16	344	4.5	41
S 50 1	**P132**	204.5	38	41.3	10	300	265	230	16	14	380	5	44
S 50 1	**P160**	—	42	45.3	12	350	300	250	23	18	431	5.5	48
S 50 1	**P180**	—	48	51.8	14	350	300	250	23	18	431	5.5	48

S 50...HS

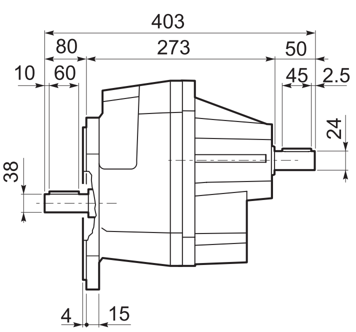


INPUT



P

Kg	36



F

Kg	39

MOTORI ELETTRICI

M1 SIMBOLOGIA E UNITÀ DI MISURA

Simbolo	Unità di misura	Descrizione
cosφ	–	Fattore di potenza
η	–	Rendimento
f_m	–	Fattore correttivo della potenza
I	–	Rapporto di intermittenza
I_N	[A]	Corrente nominale
I_S	[A]	Corrente di spunto
J_C	[Kgm^2]	Momento di inerzia del carico
J_M	[Kgm^2]	Momento di inerzia motore
K_c	–	Fattore di coppia
K_d	–	Fattore di carico
K_J	–	Fattore di inerzia
M_A	[Nm]	Coppia accelerante media
M_B	[Nm]	Coppia frenante
M_N	[Nm]	Coppia nominale
M_L	[Nm]	Coppia resistente media
M_S	[Nm]	Coppia di spunto

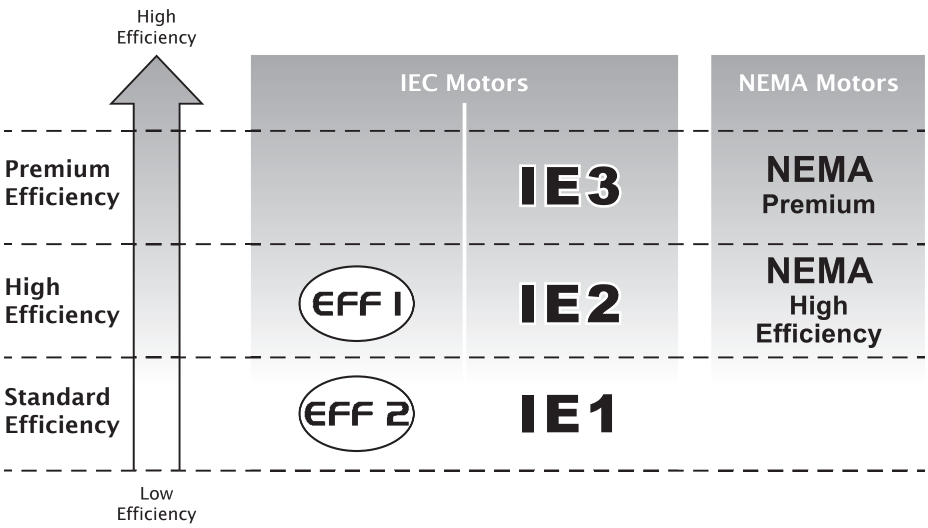
Simbolo	Unità di misura	Descrizione
n	[min^{-1}]	Velocità nominale
P_B	[W]	Potenza assorbita dal freno a 20°C
P_n	[kW]	Potenza nominale
P_r	[kW]	Potenza richiesta
t_1	[ms]	Ritardo di sblocco del freno con alimentatore a semionda
t_{1s}	[ms]	Tempo di sblocco del freno con alimentatore a controllo elettronico
t_2	[ms]	Ritardo di frenatura con disgiunzione lato c.a.
t_{2c}	[ms]	Ritardo di frenatura con disgiunzione circuito c.a. e c.c.
t_a	[°C]	Temperatura ambiente
t_f	[min]	Tempo di funzionamento a carico costante
t_r	[min]	Tempo di riposo
W	[J]	Lavoro di frenatura accumulato tra due regolazioni del traferro
W_{max}	[J]	Energia massima per singola frenatura
Z	[1/h]	N° di avviamenti ammissibili, a carico
Z_0	[1/h]	N° di avviamenti ammissibili a vuoto (I = 50%)

M2 INTRODUZIONE

Classi di rendimento e metodo di prova
Il rendimento descrive l'efficienza con la quale il motore elettrico trasforma l'energia elettrica in meccanica.
In Europa il sistema di classificazione energetica dei motori in bassa tensione avveniva su base volontaria con riferimento alle classi Eff1/Eff2/Eff3; altri paesi si riferivano ai propri sistemi nazionali spesso molto diversi da quello Europeo.
Questa incertezza normativa ha spinto i costruttori a promuovere un'armonizzazione internazionale e l'emissione della Norma IEC (International Electrotechnical Commission) IEC 60034-30-1, "Classi di rendimento dei motori asincroni trifase a gabbia ad una sola velocità (codice IE)".

La nuova Norma:
- definisce le nuove classi di efficienza
  IE1 (rendimento standard)
  IE2 (alto rendimento)
  IE3 (rendimento premium)
- fornisce un riferimento comune internazionale per la classificazione dei motori elettici come pure per le attività legislative nazionale
- introduce il nuovo metodo di misura del rendimento in accordo alla Norma IEC 60034-1-2:2007

Nella tabella seguente è evidenziata la corrispondenza tra le principali classificazioni.



Regolamento CE N° 640/2009 della Commissione

La Norma IEC 60034-30-1 fornisce le linee guida tecniche ma non stabilisce in termini legali i requisiti richiesti per l'adozione di una certa classe di rendimento; questi requisiti sono specificati dalle Direttive e dalle Leggi nazionali.

Il regolamento di applicazione della Direttiva 2005/32/CE, adottato il 22 Luglio 2009, stabilisce questi requisiti è specifica i criteri per la progettazione ecocompatibile dei motori elettrici, fissando i limiti di rendimento secondo le seguenti scadenze:

- **16/06/2011**: I motori elettrici devono avere un livello minimo di efficienza corrispondente a **IE2**
- **01/01/2015**: I motori elettrici con una potenza nominale compresa tra 7.5 kW e 375 kW devono avere un livello minimo di efficienza corrispondente a **IE3**, oppure a **IE2** se dotati di un convertitore di frequenza.
- **01/01/2017**: I motori elettrici con una potenza nominale compresa tra 0.75 kW e 375 kW devono avere un livello minimo di efficienza corrispondente a **IE3**, oppure a **IE2** se dotati di un convertitore di frequenza.

Scopo ed esclusioni

Il Regolamento (CE) N. 640/2009 si applica ai motori a induzione, a gabbia di scoiattolo a 2, 4 e 6 poli, singola velocità, trifase 50 Hz o 60 Hz, con potenza output tra 0.75 kW a 375 kW, tensione nominale fino a 1000 V, e che abbiano caratteristiche basate su di un funzionamento continuo (S1).

Sono esclusi dall'applicazione di questo regolamento:

- I motori autofrenanti.
- I motori progettati per funzionare completamente immersi in un liquido.
- I motori completamente integrati in un prodotto (ad esempio riduttore, pompe, ventilatori), rendendo impossibile testarne le prestazioni in modo indipendente dal prodotto.
- I motori espressamente progettati per funzionare:
  - ad altitudini superiori a 4000 metri slm;
  - dove la temperatura ambiente supera i 60 °C;
  - a temperature massime di esercizio superiori a 400 °C;
  - dove la temperatura ambiente è inferiore a -30 °C (qualsiasi motore) o inferiore a 0 °C (per i motori raffreddati ad acqua);
  - dove la temperatura del liquido refrigerante in entrata è inferiore a 0 °C o supera i 32 °C;
  - in atmosfere potenzialmente esplosive come definite dalla direttiva 94/9/CE.

M3 CARATTERISTICHE GENERALI

M3.1 Programma di produzione

I motori elettrici asincroni trifase BX, BE, BN, MX, ME e M del programma di produzione della BONFIGLIOLI RIDUTTORI sono previsti nella forma costruttiva base IMB5 e derivate con le seguenti polarità: 2, 4, 6, 2/4, 2/6, 2/8, 2/12. I motori sono del tipo chiuso con ventilazione esterna e rotore a gabbia per l'utilizzo in ambienti industriali.
I motori BX, BE, MX, ME sono previsti, nell'esecuzione standard, per tensione nominale 230/400V Δ/Y (400/690V Δ/Y per le grandezze BX-BE 160 e BX-BE 180) 50 Hz con tolleranza ±10%. I motori BN/M sono previsti, nell'esecuzione standard, per tensione nominale 230/400V Δ/Y (400/690V Δ/Y per le grandezze BN 160 ... BN 200) 50 Hz con tolleranza ±10%.

M3.2 Normative

I motori descritti in questo catalogo sono costruiti in accordo alle Norme ed unificazioni applicabili evidenziate nella tabella seguente.

(F01)

Titolo	CEI	IEC
Prescrizioni generali per macchine elettriche rotanti	**CEI EN 60034-1**	**IEC 60034-1**
Marcatura dei terminali e senso di rotazione per macchine elettriche rotanti	**CEI 2-8**	**IEC 60034-8**
Metodi di raffreddamento delle macchine elettriche	**CEI EN 60034-6**	**IEC 60034-6**
Dimensioni e potenze nominali per macchine elettriche rotanti	**EN 50347**	**IEC 60072**
Classificazione dei gradi di protezione delle macchine elettriche rotanti	**CEI EN 60034-5**	**IEC 60034-5**
Limiti di rumorosità	**CEI EN 60034-9**	**IEC 60034-9**
Sigle di designazione delle forme costruttive e dei tipi di installazione	**CEI EN 60034-7**	**IEC 60034-7**
Tensione nominale per i sistemi di distribuzione pubblica dell'energia elettrica a bassa tensione	**CEI 8-6**	**IEC 60038**
Grado di vibrazione delle macchine elettriche	**CEI EN 60034-14**	**IEC 60034-14**
Classi di rendimento dei motori asincroni trifase con rotore a gabbia ad una sola velocità (Codice IE)	**CEI EN 60034-30-1**	**IEC 60034-30-1**
Metodi normalizzati per la determinazione, mediante prove, delle perdite e del rendimento	**CEI EN 60034-2-1**	**IEC 60034-2-1**

I motori corrispondono inoltre alle Norme straniere adeguate alle IEC 60034-1 e qui riportate.

(F02)

DIN VDE 0530	Germania
BS5000 / BS4999	Gran Bretagna
AS 1359	Australia
NBNC 51 - 101	Belgio
NEK - IEC 34	Norvegia
NF C 51	Francia
OEVE M 10	Austria
SEV 3009	Svizzera
NEN 3173	Paesi Bassi
SS 426 01 01	Svezia

M3.3 Direttive 2006/95/CE (LVD) e 2004/108/CE (EMC)

I motori delle serie BX, BE, BN, MX, ME e M sono conformi ai requisiti delle Direttive 2006/95/CE (Direttiva Bassa Tensione) e 2004/108/CE (Direttiva Compatibilità Elettromagnetica), e riportano in targa la marcatura CE.
Per quanto riguarda la Direttiva EMC, la costruzione è in accordo alle Norme CEI EN 60034-1, EN 61000-6-2, EN 61000-6-4.
I motori con freno in c.c. tipo FD, se corredati dell'opportuno filtro capacitivo in ingresso al raddrizzatore (opzione **CF**), rientrano nei limiti di emissione previsti dalla Norma EN 61000-6-3:2007 "Compatibilità elettromagnetica - Norma Generica sull'emissione - Parte 6-3: Ambienti residenziali, commerciali e dell'industria leggera".
I motori soddisfano inoltre le prescrizioni della Norma CEI EN 60204-1 "Equipaggiamento elettrico delle macchine".
È responsabilità del costruttore o dell'assemblatore dell'apparecchiatura che incorpora i motori come componenti garantire la sicurezza e la conformità alle direttive del prodotto finale.

M3.4 Tolleranze

Secondo le Norme CEI EN 60034-1, per le grandezze garantite sono ammesse le tolleranze qui indicate:

(F03)

$-0.15\ (1 - \eta)$ $P \leq 50kW$	Rendimento
$-(1 - \cos\varphi)/6$ min 0.02 max 0.07	Fattore di potenza
±20% *	Scorrimento
+20%	Corrente a rotore bloccato
-15% +25%	Coppia a rotore bloccato
-10%	Coppia max

* ± 30% per motori con Pn < 1 kW

M4 VARIANTI E OPZIONI

M4.1 Varianti

(F04)

Descrizione		Default	Opzione	Pagina
Tensione		230/400/50		507
Grado di protezione	BX - BE - BN - MX - ME - M	IP 55	IP 56	504
	BN_FD - BN_FA M_FD - M_FA	IP 54	IP 55	
Classe di isolamento		CLF	CLH	510 511
Forma costruttiva	BX - BE - BN	**B5** **B5 R**		503

Valori pre-impostati di default.

M4.2 Opzioni

(F05)

Descrizione	Valori						Disponibilità	Pagina
Protezioni termiche	**D3**	**K1**	**E3**				BX - BE - BN MX - ME - M	525 526
Potenza normalizzata a 50 Hz	**PN**						BN M	509
Dispositivi di retroazione	**EN1**	**EN2**	**EN3**	**EN4**	**EN5**	**EN6**	BX - BE - BN MX - ME - M	534
Riscaldatori anticondensa	**H1**	**NH1**					BX - BE - BN MX - ME - M	529
Tropicalizzazione avvolgimenti	**TP**						BX - BE - BN MX - ME - M	530
Doppia estremità d'albero	**PS**						BX - BE - BN MX - ME - M	530
Equilibratura rotore in grado B	**RV**						BX - BE - BN MX - ME - M	531
Protezioni meccaniche esterne	**RC**	**TC**					BX - BE - BN MX - ME - M	533 534
Ventilazione forzata	**U1**	**U2***					BX - BE - BN MX - ME - M	532 533
Esecuzione certificata	**CUS**						BE - BN ME - M	509
China Compulsory Certification	**CCC**						BE - BN ME - M	510
Motore con connettore	**CON**						BX - BE - BN MX - ME - M	526
Protezione superficiale	**C_**						BX - BE - BN MX - ME - M	536
Verniciatura	**RAL**						BX - BE - BN MX - ME - M	536
Prove documenti	**ACM**						BX - BE - BN MX - ME - M	537
Certificato di collaudo	**CC**						BX - BE - BN MX - ME - M	537
Dispositivo antiritorno	**AL**	**AR**					MX - ME - M	530
Tipo di servizio	**S2**	**S3**	**S9**				BN M	511

* Solo per BN e M

M4.3 Opzioni collegate al freno

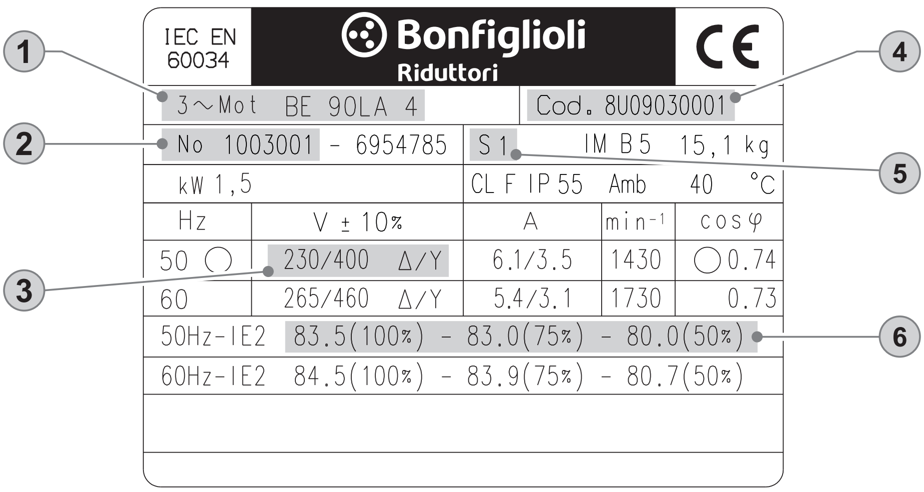
(F06)

Descrizione	Valori				Disponibilità	Pagina
Coppia frenante	Riferirsi al particolare tipo di freno					518 521
Leva di sblocco manuale	**R**	**RM**			BN M	523
Orientamento leva di sblocco	**AB**	**AA**	**AC**	**AD**	BN M	524
Alimentatore freno d.c	**NB**	**NBR**	**SB**	**SBR**	BN M	517
Volano per avviamento progressivo	**F1**				BN M	525
Filtro capacitivo	**CF**				BN M	525
Alimentazione freno separata (*)	**...SA**	**...SD**			BN M	517 521
Controllo della funzionalità del freno	**MSW**				BN M	529
Ingresso cavi supplementare per motori autofrenanti	**IC**				BN M	529

(*) Completare con il valore di tensione.

Valori pre-impostati di default.

M4.4 Esempio di targhetta identificativa



① Identificativo motore BONFIGLIOLI

② Numero di serie

③ Tensione nominale

④ Codice motore

⑤ Tipo di servizio: S1 servizio continuo

⑥ Classe di efficienza IE a: 4/4 - 3/4 - 2/4 del carico

M5 CARATTERISTICHE MECCANICHE

M5.1 Forme costruttive

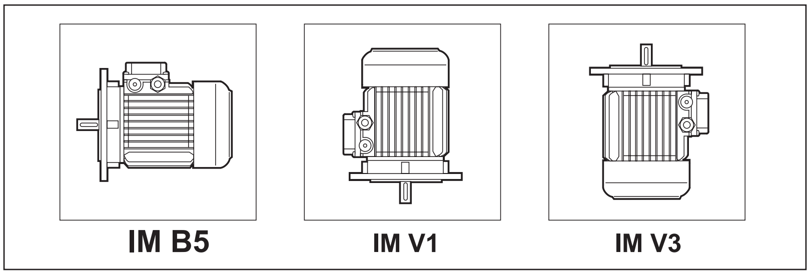
I motori serie BX, BE e BN sono previsti nelle forme costruttive indicate nella tabella seguente secondo le Norme CEI EN 60034-7 (BX/BE), CEI EN 60034-14 (BN).

Le forme costruttive sono le seguenti:

IM B5 (base)
IM V1, IM V3 (derivate)

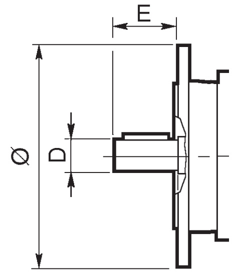
I motori in forma costruttiva IM B5 possono essere installati nelle posizioni IM V1 e IM V3, in questi casi, sulla targa del motore sarà indicata la forma costruttiva base IM B5.
Nelle forme costruttive dove il motore assume una posizione verticale con albero in basso, si consiglia di richiedere l'esecuzione con tettuccio parapioggia (da prevedere sempre nel caso di motori autofrenanti).
Tale esecuzione, presente nelle opzioni, va richiesta espressamente in fase di ordine in quanto non è prevista nella versione base.

(F07)



I motori in forma flangiata possono essere forniti con dimensioni di accoppiamento ridotte, come riportato nella tabella seguente - esecuzioni **B5R**. Il loro utilizzo in abbinamento ai riduttori dovrà in ogni caso risultare coerente con la massima potenza installabile sui riduttori stessi (vedere i capitoli "Predisposizioni motori"). Nei casi in cui non sia rispettata questa condizione occorre contattare il Servizio Tecnico per la verifica dell'abbinamento.

(F08)



	BN 71	BE/BN 80	BE/BN 90	BE/BN 100	BE/BN 112	BX/BE/BN 132
	DxE - Ø					
B5R[(1)]	11x23 - 140	14x30 - 160	19x40 - 200	24x50 - 200	24x50 - 200	28x60 - 250

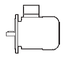
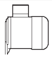
(1) flangia con fori passanti

M5.2 Grado di protezione

IP..

La tabella sottostante riassume la disponibilità dei vari gradi di protezione.
Indipendentemente dal grado di protezione specificato, per installazione all'aperto i motori devono essere protetti dall'irraggiamento diretto e, nel caso d'installazione con albero rivolto verso il basso, è necessario specificare ulteriormente il tettuccio di protezione contro l'ingresso di acqua e corpi solidi (opzione **RC**).

(F09)

		IP 54	IP 55	IP 56
BX - BE - BN	**MX - ME - M**		standard	
BN_FD **BN_FA**	**M_FD** **M_FA**	standard		

IP 5 5

0		Non protetto
1	∅ 50 mm	Protetto contro corpi solidi estranei di ∅ ≥ 50 mm
2	∅ 12 mm	Protetto contro corpi solidi estranei di ∅ ≥ 12.5 mm
3	∅ 2,5 mm	Protetto contro corpi solidi estranei di ∅ ≥ 2.5 mm
4	∅ 1 mm	Protetto contro corpi solidi estranei di ∅ ≥ 1.0 mm
5		Protetto contro la polvere
6		Nessun ingresso di polvere

0		Non protetto
1		Protetto contro la caduta verticale di gocce d'acqua
2	15°	Protetto contro la caduta verticale di gocce d'acqua con un'inclinazione fino a 15°
3	60°	Protetto contro la pioggia
4		Protetto contro gli spruzzi d'acqua da tutte le direzioni
5		Protetto contro i getti d'acqua
6		Protetto contro getti d'acqua a pressione
7	0.15 m; 1 m	Protetto contro gli effetti dell'immersione temporanea
8	...m	Protetto contro gli effetti dell'immersione continua

M5.3 Ventilazione

I motori sono raffreddati mediante ventilazione esterna (IC 411 secondo CEI EN 60034-6) e sono provvisti di ventola radiale in plastica che funziona in entrambi i sensi di rotazione.
L'installazione deve assicurare una distanza minima dalla calotta copriventola alla parete in modo da non avere impedimenti all'ingresso aria e permettere la possibilità di eseguire l'opportuna manutenzione del motore e, se previsto, del freno. Su richiesta è possibile prevedere una ventilazione forzata indipendente (opzione **U1**). Questa soluzione consente di aumentare il fattore di utilizzo del motore nel caso di alimentazione da inverter e funzionamento a giri ridotti.

M5.4 Senso di rotazione

È possibile il funzionamento in entrambi i sensi di rotazione.
Con collegamento dei morsetti U1,V1,W1 alle fasi di linea L1,L2,L3 si ha rotazione oraria vista dal lato accoppiamento, mentre la marcia antioraria si ottiene scambiando fra loro due fasi.

M5.5 Rumorosità

I valori di rumorosità, rilevati secondo il metodo previsto dalle Norme ISO 1680, sono contenuti entro i livelli massimi previsti dalle Norme CEI EN 60034-9.

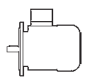
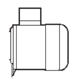
M5.6 Vibrazioni ed equilibratura

I motori sono equilibrati dinamicamente con mezza linguetta e rientrano nel grado di vibrazione A, secondo la Norma CEI EN 60034-14.

M5.7 Morsettiera motore

La morsettiera principale è a sei morsetti per collegamento con capicorda (esecuzione a 9 morsetti per tensioni americane "Dual Voltage". All'interno della scatola è previsto un morsetto per il conduttore di terra per il collegamento del conduttore di protezione. Le dimensioni dei perni di attacco sono riportate nella tabella seguente. Per l'alimentazione del freno vedi par. 8 (freno FD), 9 (freno FA).
Nei motori in forma costruttiva IM B3 la scatola coprimorsetti è posta in alto (posizione opposta ai piedi). Nel caso di motori autofrenanti, il raddrizzatore per l'alimentazione del freno è fissato all'interno della scatola e provvisto di adeguati morsetti di collegamento.
Eseguire i collegamenti secondo gli schemi riportati all'interno della scatola coprimorsetti o nei manuali d'uso.

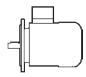
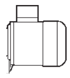
(F10)

		N° terminali	Filettatura terminali	Sezione max. del conduttore mm^2
BE 80, BE 90 **BN 56 ... BN 71** **BN 80, BN 90**	**ME2** **M05, M1** **M2**	6	M4	2.5
BE 100 ... BX 132 - BE 132 **BN 100 ... BN 112** **BN 132 ... BN 160MR**	**ME3, MX4 - ME4** **M3** **MX4 - M4**	6	M5	6
BX 160 - BE 160 **BN 160M ... BN 180M**	**ME5** **MX5 - M5**	6	M6	16
BX 180 - BE 180 **BN 180L ... BN 200L**	**–** **–**	6	M8	25
BE 80 ... BE 132 **BN 63 ... BN 160MR**	**ME2 ... ME4** **M05 ... M4**	9	M4	6
BE 160 ... BE 180 **BN 160M ... BN 200L**	**ME5** **M5**	9	M6	16

M5.8 Ingresso cavi

Nel rispetto della Norma EN 50262, i fori di ingresso cavi nelle scatole morsettiera presentano filettature metriche della misura indicata nella tabella seguente.

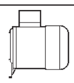
(F11)

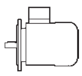
		Ingresso cavi e dimensioni		Diametro max. cavo allacciabile [mm]
BN 63	**M05**	2 x M20 x 1.5	1 foro per lato	13
BN 71	**M1**	2 x M25 x 1.5		17
BE 80, BE 90 **BN 80, BN 90**	**ME2** **M2**	2 x M25 x 1.5		17
BE 100, BE 112 **BN 100**	**ME3** **M3**	2 x M32 x 1.5 2 x M25 x 1.5	2 fori per lato	21 17
BN 112	**–**	2 x M32 x 1.5 2 x M25 x 1.5		21 17
BX 132 - BE 132 **BN 132...BN 160MR**	**MX4 - ME4** **M4**	4 x M32 x 1.5		21
BX 160 - BE 160, BX 180 - BE 180	**MX5 - ME5**	2 x M40 x 1.5	Orientabili 4 x 90°	28
BN 160M...BN 200L	**M5**			

M5.9 Cuscinetti

I cuscinetti previsti sono del tipo radiale a sfere con lubrificazione permanente precaricati assialmente. I tipi utilizzati sono indicati nelle tabelle seguenti. La durata nominale a fatica L_{10h} dei cuscinetti, in assenza di carichi esterni applicati è superiore a 40.000 ore, calcolata secondo ISO 281.
DE = lato comando **NDE** = lato opposto comando

(F12)

	**DE**	**NDE**	
	M, M_FD, M_FA	**M**	**M_FD, M_FA**
M05	6004 2Z C3	6201 2Z C3	6201 2RS C3
M1	6004 2Z C3	6202 2Z C3	6202 2RS C3
ME2 - M2	6007 2Z C3	6204 2Z C3	6204 2RS C3
ME3 - M3	6207 2Z C3	6206 2Z C3	6206 2RS C3
MX4 - ME4 - M4	6309 2Z C3	6308 2Z C3	6308 2RS C3
MX5 - ME5 - M5	6309 2Z C3	6309 2Z C3	6309 2RS C3

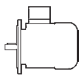
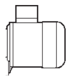
	**DE**	**NDE**	
	BX, BE, BN, BN_FD, BN_FA	**BX, BE, BN**	**BN_FD BN_FA**
BN 56	6201 2Z C3	6201 2Z C3	–
BN 63	6201 2Z C3	6201 2Z C3	6201 2RS C3
BN 71	6202 2Z C3	6202 2Z C3	6202 2RS C3
BE 80 BN 80	6204 2Z C3	6204 2Z C3	6204 2RS C3
BE 90 BN 90	6205 2Z C3	6205 2Z C3	6305 2RS C3
BE 100 BN 100	6206 2Z C3	6206 2Z C3	6206 2RS C3
BE 112 BN 112	6306 2Z C3	6306 2Z C3	6306 2RS C3
BX 132 BE 132 BN 132	6308 2Z C3	6308 2Z C3	6308 2RS C3
BN 160MR	6309 2Z C3	6308 2Z C3	6308 2RS C3
BX 160M/L BE 160M/L BN 160M/L	6309 2Z C3	6309 2Z C3	6309 2RS C3
BN 180M	6310 2Z C3	6309 2Z C3	6309 2RS C3
BX 180M/L BE 180M/L BN 180L	6310 2Z C3	6310 2Z C3	6310 2RS C3
BN 200L	6312 2Z C3	6310 2Z C3	6310 2RS C3

M6 CARATTERISTICHE ELETTRICHE

M6.1 Tensione

I motori ad una velocità sono previsti nell'esecuzione standard per tensione nominale 230 / 400 V Δ/Y, 50 Hz, o 400 / 690 V Δ/Y, 50 Hz, con tolleranza di tensione ± 10%, in accordo a quanto specificato nella tabella sottostante.
Per tutti i motori BN ed M, la cui configurazione tensione / frequenza non sia contenuta nella tabella sottostante, la tolleranza di tensione è ridotta al ± 5%.
Per il funzionamento ai limiti di tolleranza, la temperatura può superare di 10 K il limite previsto dalla classe di isolamento adottata.
I motori sono idonei per il funzionamento sulla rete di distribuzione europea con tensione in accordo alla pubblicazione IEC 60038.

(F13)

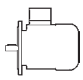
Classe di efficenza			V_{mot} ± 10 % 3 ~	Esecuzione
IE3	**BX 132**	**MX 4**	230 / 400 V - Δ/Y - 50 Hz	standard
	BX 160, BX 180	**MX 5**	400 / 690 V - Δ/Y - 50 Hz	standard
IE2	**BE 80 … 132**	**ME 2 … ME 4**	230 / 400 V - Δ/Y - 50 Hz	standard
			460 V Y - 60 Hz¹	standard
			400 / 690 V - Δ/Y - 50 Hz	a richiesta, senza sovraprezzo
	BE 160, BE 180	**ME 5**	400 / 690 V - Δ/Y - 50 Hz	standard
			460 V Δ - 60 Hz¹	standard
IE1	**BN 56 … BN 132**	**M0 … M4**	230 / 400 V - Δ/Y - 50 Hz	standard
			400 / 690 V - Δ/Y - 50 Hz	a richiesta, senza sovrapprezzo
			460 V Y - 60 Hz	standard
	BN 160 … 200	**M5**	400 / 690 V - Δ/Y - 50 Hz	standard
			460 V Δ - 60 Hz	standard

¹ solo motori a 4 poli

I motori a due velocità a 50 Hz sono previsti per tensione nominale standard 400 V; tolleranze applicabili secondo CEI EN 60034 - 1.

Nella tabella seguente sono indicati i vari tipi di collegamenti previsti per i motori in funzione della polarità.

(F14)

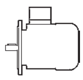
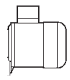
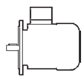
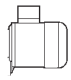
Poli		Collegamento avvolgimento
2	**BE 80 … BE 160, BN 63 … BN 200**	Δ / Y (²)
4	**BX 132 ... BX 180** **BE 80 … BE 180, BN 56 … BN 200**	
6	**BE 90 … BE 160, BN 63 … BN 200**	
8	**BN 71 … BN 132**	
2/4	**BN 63 … BN 132**	Δ / YY (Dahlander)
2/6	**BN 71 … BN 132**	Y / Y (due avvolgimenti)
2/8	**BN 71 … BN 132**	
2/12	**BN 80 … BN 132**	
4/6	**BN 71 … BN 132**	
4/8	**BN 80 … BN 132**	Δ / YY (Dahlander)

(²) I motori con tensione in rapporto 2 (es. 230/460-60) saranno dotati di morsettiera a 9 perni con collegamento Δ Δ/ Δ o YY / Y (eccetto il BN 63 6 poli Δ / Y)

M6.2 Frequenza

La potenza di targa dei motori BN / M a 60 Hz corrisponde a quanto riportato nella tabella seguente.

(F15)

		P_n [kW]					P_n [kW]		
		2P	**4P**	**6P**			**2P**	**4P**	**6P**
BN 56A	**–**	–	0.1	–	**BN 112M**	**M3LB**	4.7	3.6	2.0
BN 56B	**M 0B**	–	0.1	–	**–**	**M3LC**	–	4.7	2.5
BN 63A	**M 05A**	0.2	0.1	0.1	**BN 132S**	**M4SA**	–	6.5	3.5
BN 63B	**M 05B**	0.3	0.2	0.1	**BN 132SA**	**M4SA**	6.3	–	–
BN 71A	**M 05C**	0.5	0.3	0.2	**BN 132SB**	**M4SB**	8.7	–	–
BN 71B	**M 05SD**	0.7	0.5	0.3	**BN 132M**	**M4LA**	11.0	–	–
BN 80A	**M 1LA**	0.9	0.7	0.5	**BN 132MA**	**M4LA**	–	8.7	4.6
BN 80B	**M 2SA**	1.3	0.9	0.7	**BN 132MB**	**M4LB**	–	11.0	6.5
BN 90S	**M2SB**	–	1.3	0.9	**BN 160MR**	**M4LC**	12.5	12.5	–
BN 90SA		1.8	–	–	**BN 160MB**	**M5SB**	17.5	–	–
BN 90L	**M3SA**	2.5	–	1.3	**BN 160M**	**M5SA**	–	–	8.6
BN 90LA		–	1.8	–	**BN 160L**	**M5S**	21.5	17.5	12.6
BN 100L	**M3LA**	3.5	–	–	**BN 180M**	**M5LA**	24.5	21.5	–
BN 100LA		–	2.5	1.8	**BN 180L**	**–**	–	25.3	17.5
BN 100LB	**M3LB**	4.7	3.5	2.2	**BN 200L**	**–**	34.0	34.0	22.0

I motori BX / MX sono disponibili solo a 50 Hz.
I motori BE / ME a 60 Hz sono disponibili nella sola versione a 4 poli e hanno la stessa potenza dei corrispondenti a 50 Hz.
Motori BN / M a doppia polarità alimentati a 60 Hz avranno un aumento della potenza nominale, riferita a 50 Hz, pari al 15%, mentre non sono previsti motori BE / ME a doppia polarità.
Qualora sulla targhetta di un motore destinato ad essere alimentato a 60 Hz sia richiesto un valore di potenza nominale pari a quello normalizzato a 50 Hz, specificare in designazione l’opzione PN.
I motori normalmente avvolti per frequenza 50 Hz possono essere usati in reti a 60 Hz, ma i relativi dati dovranno essere corretti secondo la seguente tabella.

(F16)

	50 Hz	**60 Hz**			
	V - 50 Hz	**V** - 60 Hz	**Pn** - 60 Hz	M_n, M_a/M_n - 60 Hz	**n** [min^{-1}] - 60 Hz
BE/ME	**230/400 Δ/Y**	265 - 460 Δ Y	1	0.83	1.2
	400/690 Δ/Y	460 Δ			
BN/M	**230/400 Δ/Y**	220 - 240 Δ			
		380 - 415 Y			
	400/690 Δ/Y	380 - 415 Δ			
BN/M	**230/400 Δ/Y**	265 - 280 Δ	1.15	1	1.2
		440 - 480 Y			
	400/690 Δ/Y	440 - 480 Δ			

M6.3 Temperatura ambiente

Le tabelle dei dati tecnici del catalogo riportano le caratteristiche funzionali a 50 Hz in condizioni ambientali standard secondo le Norme CEI EN 60034-1 (temperatura compresa tra -15 °C e +40 °C ed altitudine ≤ 1000 m s.l.m.).
I motori possono essere impiegati a temperature comprese tra 40 °C e 60 °C applicando i declassamenti di potenza indicati nella tabella seguente.

(F17)

Temperatura ambiente (°C)	40°	45°	50°	55°	60°
Potenza ammissibile in % della potenza nominale	100%	95%	90%	85%	80%

Quando è richiesto un declassamento del motore superiore al 15%, contattare il ns. Servizio Tecnico.

M6.4 Potenza normalizzata a 50 Hz

PN

L'opzione consente di avere sulla targa del motore il valore di potenza normalizzata a 50 Hz, anche quando è specificata l'alimentazione a 60 Hz. Per alimentazioni a 60 Hz con le tensioni 230/460V e 575V l'opzione PN viene applicata di default.

M6.5 Motori per USA e Canada

CUS

I motori sono disponibili in esecuzione NEMA Design C (per le caratteristiche elettriche), certificata in conformità alle norme CSA (Canadian Standard) C22.2 N° 100 e UL (Underwriters Laboratory) UL 1004-1 con targhetta riportante entrambi i marchi sotto illustrati, specificare in questo caso l'opzione CUS. L'opzione CUS non è al momento disponibile per i motori IE3.

Le tensioni delle reti di distribuzione americane e le corrispondenti tensioni nominali da specificare per il motore sono indicate nella tabella seguente:

(F18)

Frequenza	Tensione di rete	V_{mot}
60 Hz	208 V	**200 V**
	240 V	**230 V**
	480 V	**460 V**
	600 V	**575 V**

L'opzione CUS è applicabile anche ai motori a 50 Hz.

I motori dotati di collegamento YY/Y (es. 230/460-60; 220/440-60) presentano di serie una morsettiera a 9 terminali.
Per le stesse esecuzioni, e inoltre per l'alimentazione 575V-60Hz, la potenza di targa corrisponde a quella normalizzata a 50Hz.
Per i motori autofrenanti con freno in c.c. tipo BN_FD l'alimentazione del raddrizzatore è da morsettiera motore con tensione 230V a.c. monofase.
Per i motori autofrenanti **l'alimentazione del freno** è così predisposta:

(F19)

BN_FD M_FD
Da morsettiera motore 1~230V c.a.

BN_FA M_FA		Specificare
Alimentazione separata	230V Δ	230SA
Alimentazione separata	460V Y	460SA

L'opzione CUS non è applicabile ai motori dotati di servoventilazione.

M6.6 China Compulsory Certification

CCC

I motori elettrici destinati ad essere commercializzati nella Repubblica Popolare Cinese rientrano nell'applicabilità del sistema di certificazione CCC (China Compulsory Certification). I motori BN con coppia nominale fino a 7Nm sono disponibili con certificazione CCC e targhetta speciale riportante il marchio sotto illustrato:

L'opzione CCC non è al momento disponibile per i motori IE3.
L'opzione CCC non è applicabile ai motori dotati di servoventilazione.

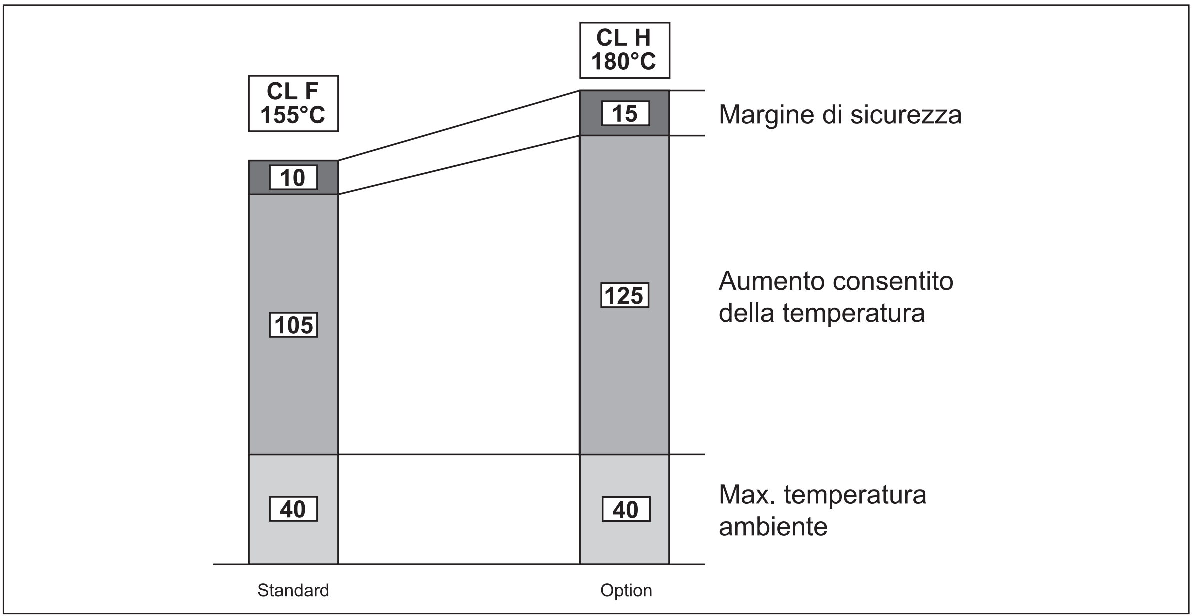
M6.7 Classe d'isolamento

CL F

I motori di produzione Bonfiglioli impiegano, di serie, materiali isolanti (filo smaltato, isolanti, resine d'impregnazione) in classe **F**.
In genere, per i motori in esecuzione standard la sovratemperatura dell'avvolgimento statore è contenuta entro il limite di 80 K, corrispondente alla sovratemperatura di classe B.
L'accurata scelta dei componenti del sistema isolante consente l'impiego dei motori anche in climi tropicali ed in presenza di vibrazioni normali.
Per applicazioni in presenza di sostanze chimiche aggressive, o di elevata umidità, è consigliabile contattare il Servizio Tecnico Bonfiglioli per la selezione del prodotto più idoneo.

Su richiesta può venire specificata la classe di isolamento **H**
Non disponibile per i motori conformi alle norme CSA e UL (opzione CUS).

(F20)



M6.8 Tipo di servizio

Se non indicato diversamente, la potenza dei motori riportata a catalogo si riferisce al servizio continuo S1. Per i motori utilizzati in condizioni diverse da S1 sarà necessario identificare il tipo di servizio previsto con riferimento alle Norme CEI EN 60034-1. In particolare per servizi S2 ed S3 è possibile ottenere una maggiorazione della potenza rispetto a quella prevista per il servizio continuo secondo quanto indicato nella tabella che segue, valida per i motori a singola polarità.
In alternativa al servizio continuo S1, in fase di configurazione del prodotto è possibile selezionare uno dei seguenti valori: S2, S3 o S9; la targhetta del motore verrà compilata con potenza aumentata coerentemente al tipo di servizio, dati elettrici dedicati e tipo di servizio rispettivamente S2-30min, S3-70% o S9.
Per ulteriori dettagli è necessario contattare il servizio Tecnico Bonfiglioli.
Per le maggiorazioni applicabili a motori a doppia polarità consultare preferibilmente il Servizio Tecnico Bonfiglioli.

(F21)

	Servizio						
	S2			**S3 ***			**S4 - S9**
	Durata del ciclo (min)			Rapporto di intermittenza (I)			
	10	**30 (*)**	**60**	**25%**	**40%**	**70% (*)**	Interpellarci
f_m	1.35	1.15	1.05	1.25	1.15	1.1	

* La durata del ciclo dovrà comunque essere uguale o inferiore a 10 minuti; se superiore interpellare il nostro Servizio Tecnico.
(*) Valori predefiniti dalle opzioni (tab. F05).

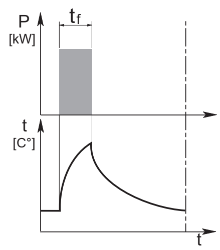
M6.8.1 Rapporto di intermittenza:

$$I = \frac{t_f}{t_f + t_r} \cdot 100 \qquad (01)$$

t_f = tempo di funzionamento a carico costante
t_r = tempo di riposo

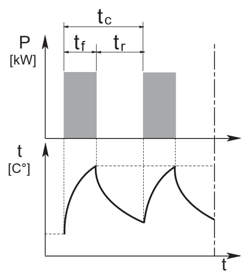
M6.8.2 Servizio di durata limitata S2

Caratterizzato da un funzionamento a carico costante per un periodo di tempo limitato, inferiore a quello richiesto per raggiungere l’equilibrio termico, seguito da un periodo di riposo di durata sufficiente a ristabilire, nel motore, la temperatura ambiente.



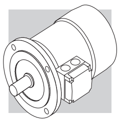
M6.8.3 Servizio intermittente periodico S3:

Caratterizzato da una sequenza di cicli di funzionamento identici, ciascuno comprendente un periodo di funzionamento a carico costante ed un periodo di riposo. In questo servizio, la corrente di avviamento non influenza la sovratemperatura in modo significativo.

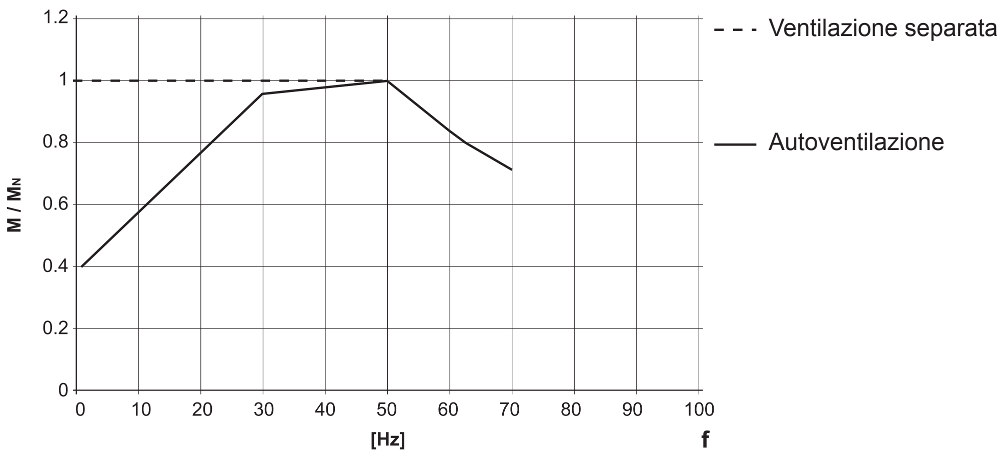


M6.9 Funzionamento con alimentazione da inverter

I motori elettrici Bonfiglioli possono essere utilizzati con alimentazione da inverter PWM, e tensione nominale all’ingresso del convertitore fino a 500 V. Il sistema isolante sui motori di serie prevede l’isolamento di fase con separatori, l’utilizzo di filo smaltato in grado 2 e resine d’impregnazione in classe H (limite di tenuta all’impulso di tensione 1600V picco-picco e fronte di salita t_s > 0.1µs ai morsetti motore). Le caratteristiche tipiche coppia/velocità in servizio S1 per motore con frequenza base f_b = 50 Hz sono riportate nella tabella seguente. Per frequenze di funzionamento inferiori a circa 30 Hz, a causa della diminuzione della ventilazione, i motori standard autoventilati (IC411) devono essere opportunamente declassati in coppia o, in alternativa, devono essere provvisti di servoventilatore indipendente. Per frequenze maggiori alla frequenza base, raggiunto il valore massimo di tensione di uscita dell’inverter, il motore lavora in un campo di funzionamento a potenza costante, con coppia all’albero che si riduce ca. con il rapporto (f/f_b). Poiché la coppia massima del motore decresce ca. con $(f/f_b)^2$, il margine di sovraccarico ammesso dovrà essere progressivamente ridotto.

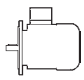
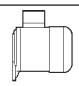


(F22)



Per funzionamento oltre la frequenza nominale, la velocità limite meccanica dei motori è riportata nella seguente tabella:

(F23)

		**n** [min^{-1}]		
		2p	**4p**	**6p**
≤ BE 112 - BN 112	**ME2 - ME3** **M05 ... M3**	5200	4000	3000
BX 132 ... BX 180	**MX4** **MX5**		4000	
BE 132 ... BE 180	**ME4** **ME5**	4500	4000	3000
BN 132 ... BN 200L	**M4** **M5**	4500	4000	3000

A velocità superiori alla nominale i motori presentano maggiori vibrazioni meccaniche e rumorosità di ventilazione; è consigliabile, per queste applicazioni, un bilanciamento del rotore in grado B e l’eventuale montaggio del servoventilatore indipendente.

Il servoventilatore e, se presente, il freno elettromagnetico devono sempre essere alimentati direttamente da rete.

M6.10 Frequenza massima di avviamento Z

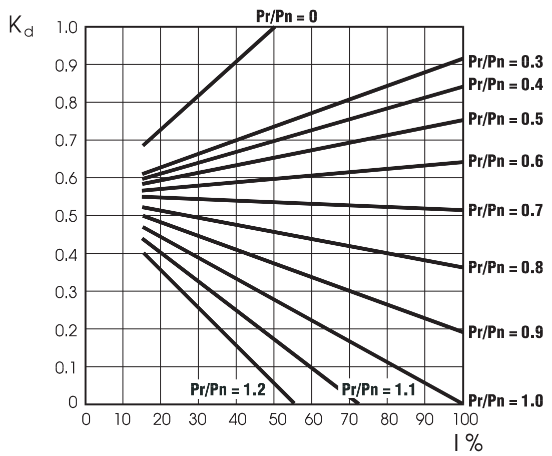
Nelle tabelle dei dati tecnici motori è indicata la max frequenza di inserzione a vuoto Z_0 con I = 50% riferita alla versione autofrenante. Questo valore definisce il numero max di avviamenti orari a vuoto che il motore può sopportare senza superare la max temperatura ammessa dalla classe di isolamento F.
Nel caso pratico di motore accoppiato ad un carico esterno con potenza assorbita P_r, massa inerziale J_c e coppia resistente media durante l’avviamento M_L, il numero di avviamenti ammissibile si può calcolare in modo approssimato con la seguente formula:

$$Z = \frac{Z_0 \cdot K_c \cdot K_d}{K_J} \qquad (02)$$

dove:

$K_J = \dfrac{J_m + J_c}{J_m}$	fattore di inerzia
$K_c = \dfrac{M_a - M_L}{M_a}$	fattore di coppia
$K_d =$	fattore di carico vedi tabella seguente

(F24)



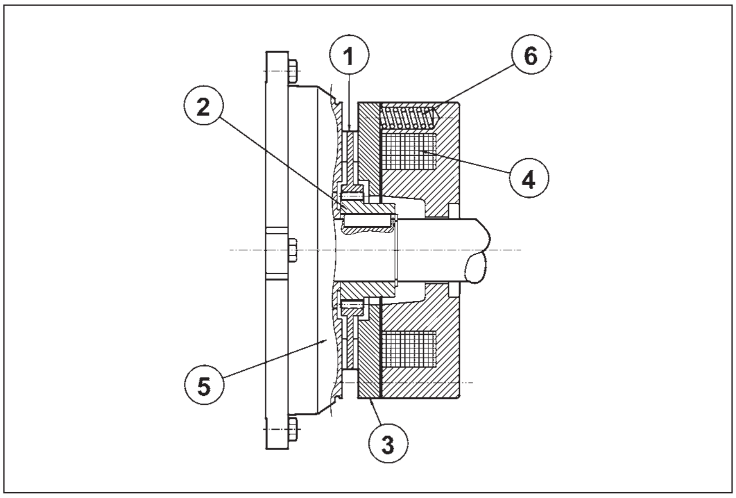
Con il numero di avviamenti così ottenuto si dovrà in seguito verificare che il massimo lavoro di frenatura sia compatibile con la capacità termica del freno Wmax indicata nelle tabelle (F31) e (F41).

M7 MOTORI ASINCRONI AUTOFRENANTI

M7.1 Funzionamento

L'esecuzione autofrenante prevede l'impiego di freni a pressione di molle alimentati in c.c. (tipo FD) o in c.a. (tipo FA).
Tutti i freni funzionano secondo il principio di sicurezza, ossia intervengono in seguito alla pressione esercitata dalle molle, in mancanza di alimentazione.

(F25)



Legenda:
① disco
② mozzo
③ áncora mobile
④ bobina
⑤ scudo posteriore motore
⑥ molle

In mancanza di tensione, l'ancora mobile spinta dalle molle di pressione blocca il disco freno tra la superficie dell'ancora stessa e lo scudo motore impedendo la rotazione dell'albero.
Quando la bobina viene eccitata, l'attrazione magnetica esercitata sull'ancora mobile vince la reazione elastica delle molle e libera il disco freno, e conseguentemente l'albero motore con esso solidale.

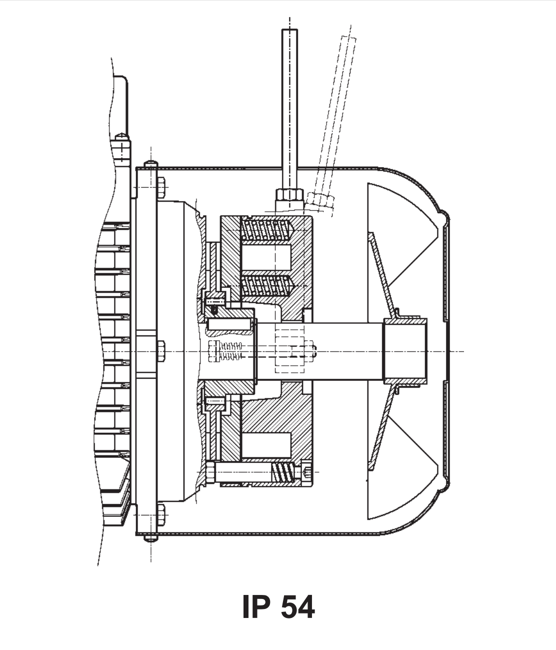
M7.2 Caratteristiche generali

- Coppie frenanti elevate (generalmente $M_b \approx 2\ M_n$) e regolabili.
- Disco freno con anima in acciaio a doppia guarnizione d'attrito (materiale a bassa usura, senza amianto).
- Cava esagonale sull'albero motore, lato ventola (NDE), per rotazione manuale (non prevista quando sono presenti le opzioni PS, RC, TC, U1, U2, EN1, EN2, EN3, EN4, EN5, EN6).
- Sblocco meccanico manuale (opzioni **R** e **RM** per BN_FD; opzione **R** per BN_FA).
- Trattamento anticorrosivo di tutte la superfici del freno.
- Isolamento in classe F.

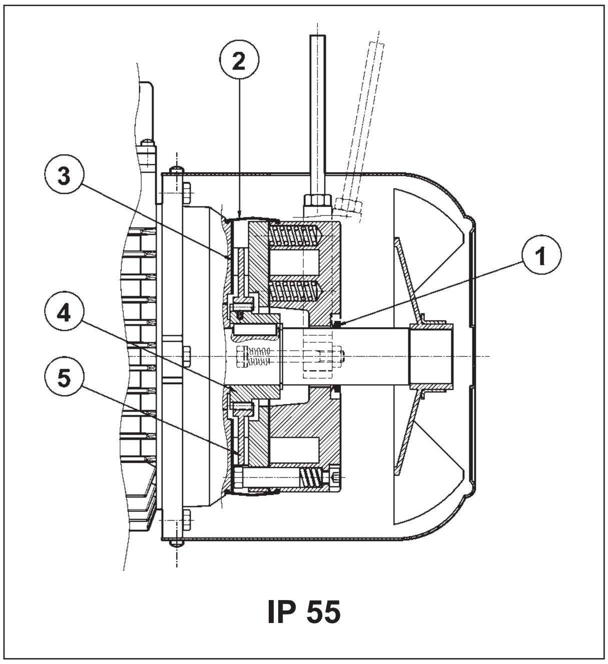
M8 MOTORI AUTOFRENANTI IN C.C., TIPO BN_FD e M_FD

Grandezze: BN 63 … BN 200L / M05 ... M5
Su richiesta i motori BE/ME possono essere equipaggiati con freni tipo FD, per ulteriori informazioni contatare contattare il servizio Tecnico Bonfiglioli.

(F26)



(F27)



Freno elettromagnetico con bobina toroidale in **corrente continua** fissato con viti allo scudo motore; le molle di precarico realizzano il posizionamento assiale del corpo magnete.
Il disco freno è scorrevole sul mozzo trascinatore in acciaio calettato sull'albero e previsto di dispositivo antivibrazione.
I motori sono forniti con freno tarato in fabbrica al valore di coppia riportato nelle tabelle dati tecnici; la coppia frenante può essere regolata modificando il tipo e/o il numero delle molle.
A richiesta, i motori possono essere previsti di leva per lo sblocco manuale con ritorno automatico (**R**) o con mantenimento della posizione di rilascio freno (**RM**); per la posizione angolare della leva di sblocco vedi descrizione della relativa variante al paragrafo "SISTEMI DI SBLOCCO FRENO".
Il freno FD garantisce elevate prestazioni dinamiche e bassa rumorosità; le caratteristiche d'intervento del freno in corrente continua possono essere ottimizzate in funzione dell'applicazione, utilizzando i vari tipi di alimentatore disponibili e/o realizzando l'opportuno cablaggio.
Per applicazioni che prevedono sollevamenti e/o elevati valori di lavoro orario smaltibile, contattare il servizio tecnico commerciale.

M8.1 Grado di protezione

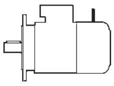
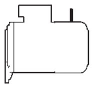
L'esecuzione standard prevede il grado di protezione IP54. In opzione il motore autofrenante tipo FD viene fornito con grado di protezione **IP55**, prevedendo le seguenti varianti costruttive:

① anello V-ring posizionato sull'albero motore N.D.E.
② fascia di protezione in gomma
③ anello in acciaio inox interposto tra scudo motore e disco freno
④ mozzo trascinatore in acciaio inox
⑤ disco freno in acciaio inox

M8.2 Alimentazione freno FD

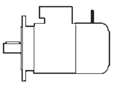
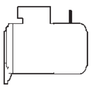
L'alimentazione della bobina freno in c.c. è prevista per mezzo di opportuno raddrizzatore montato all'interno della scatola coprimorsetti e già cablato alla bobina del freno.
Per motori a singola polarità è inoltre previsto di serie il collegamento del raddrizzatore alla morsettiera motore.
Indipendentemente dalla frequenza di rete, la tensione standard di alimentazione del raddrizzatore V_B ha il valore indicato nella tabella qui di seguito:

(F28)

2, 4, 6 P					1 speed
		BN_FD / M_FD V_{mot} ± 10% 3 ~	 V_B ± 10% 1 ~	alimentazione freno da morsettiera	alimentazione separata
BN 63…BN 132	**M05...M4LB**	230/400 V – 50 Hz	230 V	standard	specificare **V_B SA** o **V_B SD**
BN 160…BN 200	**M4LC...M5**	400/690 V – 50 Hz	400 V	standard	specificare **V_B SA** o **V_B SD**

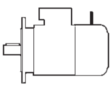
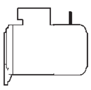
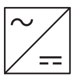
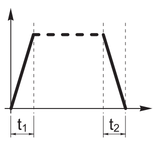
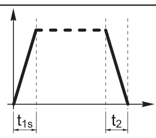
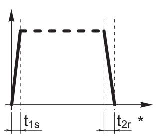
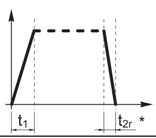
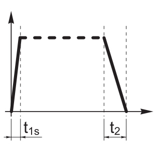
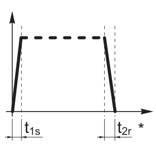
Per i motori a doppia polarità l'alimentazione standard del freno è da linea separata con tensione d'ingresso al raddrizzatore V_B come indicato nella tabella qui di seguito:

(F29)

2/4, 2/6, 2/8, 2/12, 4/6, 4/8 P					2 speed
		BN_FD / M_FD V_{mot} ± 10% 3 ~	 V_B ± 10% 1 ~	alimentazione freno da morsettiera	alimentazione separata
BN 63…BN 132	**M05...M4LB**	400 V – 50 Hz	230 V	⛔	specificare **V_B SA** o **V_B SD**

Il raddrizzatore è del tipo a diodi a semionda (Vc.c ≈ 0,45 x Vc.a.) ed è disponibile nelle versioni **NB**, **SB**, **NBR** e **SBR**, come dettagliato nella tabella seguente:

(F30)

		freno	 **standard**	**a richiesta**
BN 63	**M05**	**FD 02**	**NB** 	**SB**  **SBR**  **NBR** 
BN 71	**M1**	**FD 03**		
		FD 53		
BN 80	**M2**	**FD 04**		
BN 90S	**—**	**FD 14**		
BN 90L	**—**	**FD 05**		
BN 100	**M3**	**FD 15**		
—		**FD 55**		
BN 112	**—**	**FD 06S**	**SB** 	**SBR** 
BN 132...160MR	**M4**	**FD 56**		
BN 160L - BN 180M	**M5**	**FD 06**		
BN 180L - NM 200L	**—**	**FD 07**		

(*) $t_{2c} < t_{2r} < t_2$

Il raddrizzatore **SB** a controllo elettronico dell’eccitazione, riduce i tempi di sblocco del freno sovreccitando l’elettromagnete nei primi istanti d’inserzione, per passare poi al normale funzionamento a semionda a distacco del freno avvenuto.

L’impiego del raddrizzatore tipo **SB** è sempre da prevedere nei casi di:
- elevato numero di interventi orari
- tempi di sblocco freno ridotti
- elevate sollecitazioni termiche del freno

Per applicazioni dove è richiesto un rapido intervento (ripristino della condizione frenante) del freno sono disponibili a richiesta i raddrizzatori **NBR** o **SBR**.
Questi raddrizzatori completano i tipi **NB** e **SB**, integrando nel circuito elettronico un interruttore statico che interviene diseccitando rapidamente il freno in caso di mancanza di tensione.
Questa soluzione consente di ridurre i tempi di rilascio del freno evitando ulteriori cablaggi e contatti esterni.
Per il migliore utilizzo dei raddrizzatori **NBR** e **SBR** è richiesta l’alimentazione separata del freno.
Tensioni disponibili: 230Vac ±10%, 400Vac ± 10%, 50/60 Hz (con alimentatore); 100Vdc ±10%, 180Vdc ± 10% (con opzione SD).

M8.3 Dati tecnici freni FD

Nella tabella sottostante sono riportati i dati tecnici dei freni in c.c. tipo FD.

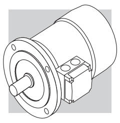
(F31)

Freno	Coppia frenante M_b [Nm] molle			Rilascio		Frenatura		W_{max} per frenata [J]			W	P
	6	4	2	t_1 [ms]	$t_{1\,s}$ [ms]	t_2 [ms]	t_{2c} [ms]	10 s/h	100 s/h	1000 s/h	[MJ]	[W]
FD02	–	3.5	1.75	30	15	80	9	4500	1400	180	15	17
FD03	5	3.5	1.75	50	20	100	12	7000	1900	230	25	24
FD53	7.5	5	2.5	60	30	100	12					
FD04	15	10	5	80	35	140	15	10000	3100	350	30	33
FD14												
FD05	40	26	13	130	65	170	20	18000	4500	500	50	45
FD15	40	26	13	130	65	170	20					
FD55	55	37	18	–	65	170	20					
FD06S	60	40	20	–	80	220	25	20000	4800	550	70	55
FD56	–	75	37	–	90	250	20	29000	7400	800	80	65
FD06		100	50		100	250	20					
FD07	150	100	50	–	120	200	25	40000	9300	1000	130	65
FD08*	250	200	170	–	140	350	30	60000	14000	1500	230	100
FD09**	400	300	200	–	200	450	40	70000	15000	1700	230	120

* valori di coppia frenante ottenuti con n° 9, 7, 6 molle rispettivamente

** valori di coppia frenante ottenuti con n° 12, 9, 6 molle rispettivamente

t_1 = tempo di rilascio del freno con alimentatore a semionda
t_{1s} = tempo di rilascio del freno con alimentatore a controlloelettronico dell’eccitazione
t_2 = ritardo di frenatura con interruzione lato c.a. e alimentazione separata
t_{2c} = ritardo di frenatura con interruzione lato c.a.e c.c. – I valori di t_1, t_{1s}, t_2, t_{2c} indicati nella tabella sono riferiti al freno tarato alla coppia massima, traferro medio e tensione nominale
W_{max} = energia max per frenata
W = energia di frenatura tra due regolazioni successive del traferro
P_b = potenza assorbita dal freno a 20°C
M_b = coppia frenante statica (±15%)
s/h = avviamenti orari



L’usura delle guarnizioni di attrito è funzione delle condizioni operative (temperatura, umidità, velocità di slittamento, pressione specifica); i valori di usura devono pertanto essere considerati come indicativi.

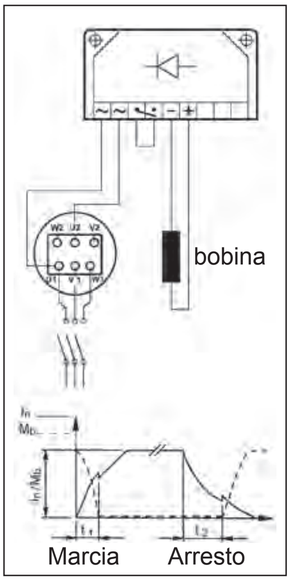
M8.4 Collegamenti freno FD

I motori standard ad una velocità sono forniti con il collegamento del raddrizzatore alla morsettiera motore già realizzato in fabbrica.
Per motori a 2 velocità, e dove è richiesta lalimentazione del freno separata, prevedere il collegamento al raddrizzatore in accordo alla tensione freno VB indicata nella targhetta del motore.
Data la natura induttiva del carico, per il comando del freno e per linterruzione lato corrente continua devono essere utilizzati contatti con categoria dimpiego AC-3 secondo IEC 60947-4-1.

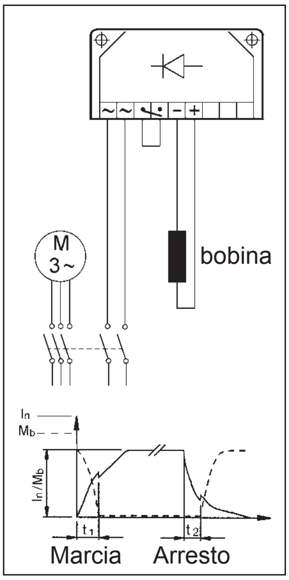
Tabella (F32) - Alimentazione freno dai morsetti motore ed interruzione lato a.c.
Tempo di arresto t_2 ritardato e funzione delle costanti di tempo del motore. Da prevedere quando sono richiesti avviamenti/arresti progressivi.
Tabella (F33) - Bobina freno con alimentazione separata ed interruzione lato c.a.
Tempo di arresto normale ed indipendente dal motore.
Si realizzano i tempi di arresto t_2 indicati nella tabella (F31).
Tabella (F34) - Bobina freno con alimentazione dai morsetti motore ed interruzione lato c.a. e c.c.
Arresto rapido con i tempi d’intervento t_{2c} indicati in tabella (F31).
Tabella (F35) - Bobina freno con alimentazione separata ed interruzione lato c.a. e c.c.
Tempo di arresto ridotto secondo i valori t_{2c} indicati in tabella (F31).

L’alimentazione del freno direttamente dalla morsettiera del motore (da tab. F32 a tab. F35) è possibile solo quando la tensione nominale del freno corrisponde alla tensione minore del motore.

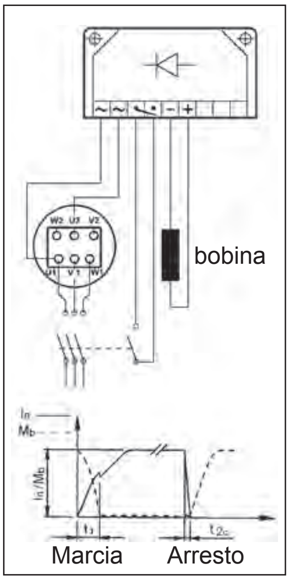
(F32)



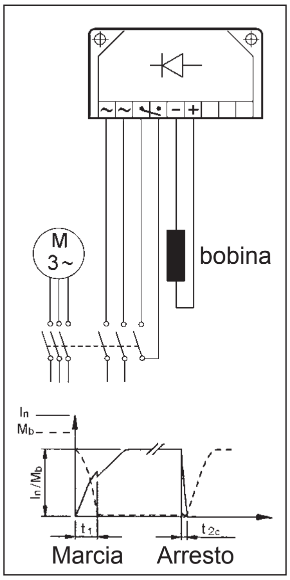
(F33)



(F34)



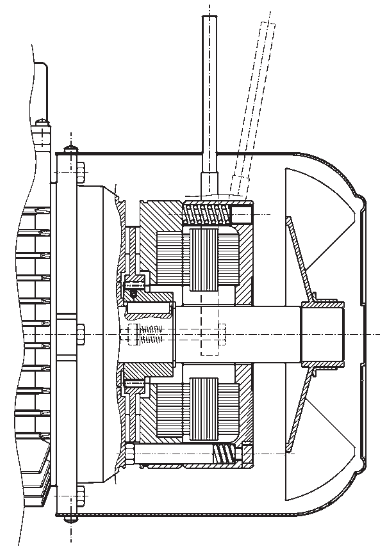
(F35)



M9 MOTORI AUTOFRENANTI IN C.A., TIPO BN_FA e M_FA

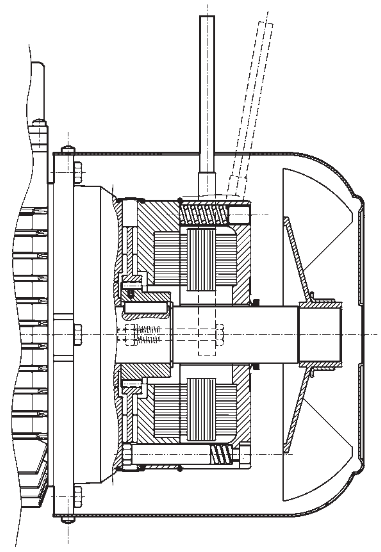
Grandezze: BN 63 … BN 180M / M05 ... M5

(F36)



IP 54

(F37)



IP 55

Freno elettromagnetico con alimentazione in corrente alternata trifase, fissato con viti allo scudo motore; le molle di precarico realizzano il posizionamento assiale del corpo magnete.
Il disco freno è scorrevole assialmente sul mozzo trascinatore in acciaio calettato sull'albero e provvisto di dispositivo antivibrazione.
La coppia frenante è pre-impostata in fabbrica su valori che sono indicati nelle tabelle dati tecnici dei relativi motori.
L'azione del freno è inoltre modulabile, regolando con continuità la coppia frenante, tramite le viti che realizzano il precarico delle molle; il campo di regolazione della coppia è: 30% MbMAX < Mb < MbMAX (MbMAX è il momento frenante max riportato in tab. (F39).
Il freno tipo FA presenta dinamiche molto elevate che lo rendono idoneo in applicazioni dove sono richieste frequenze di avviamento elevate con tempi d'intervento molto rapidi.
A richiesta, i motori possono essere previsti di leva per lo sblocco manuale con ritorno automatico (R). Per la posizione angolare della leva di sblocco vedi descrizione della relativa variante al paragrafo "SISTEMI DI SBLOCCO FRENO".
Per applicazioni che prevedono sollevamenti e/o elevati valori di lavoro orario smaltibile, contattare il servizio tecnico commerciale.

M9.1 Grado di protezione

L'esecuzione standard prevede il grado di protezione IP54.
In opzione, il motore autofrenante BN_FA viene fornito con grado di protezione **IP55** prevedendo le seguenti varianti costruttive:

- anello V-ring posizionato sull'albero motore NDE.
- fascia di protezione in gomma
- anello O-ring

M9.2 Alimentazione freno FA

Nei motori a singola polarità l'alimentazione della bobina freno è derivata direttamente dalla morsettiera motore e la tensione del freno quindi coincide con la tensione del motore. In questo caso la tensione del freno può essere omessa dalla designazione
Per i motori a doppia polarità, e per i motori con alimentazione separata del freno, è presente una morsettiera ausiliaria con 6 terminali per il collegamento alla linea del freno. In entrambi i casi il valore di tensione del freno dovrà essere specificato in designazione.
Nella tabella seguente sono riportate le condizioni di alimentazione standard del freno in c.a. per i motori a singola e doppia polarità:

(F38)

	BN 63…BN 132	BN 160…BN 180
motori a singola polarità	230Δ / 400Y V ±10% – 50 Hz	400Δ/ 690Y V ±10% – 50 Hz
	265Δ / 460Y ±10% - 60 Hz	460Y – 60 Hz

	BN 63…BN 132
motori a doppia polarità (alimentazione da linea separata)	230Δ / 400Y V ±10% – 50 Hz
	460Y - 60 Hz

Se non diversamente specificato, l'alimentazione standard del freno è 230Δ /400Y V - 50 Hz.

Su richiesta, sono disponibili tensioni speciali, nel campo 24…690 V, 50-60 Hz.

M9.3 Dati tecnici freni FA

(F39)

Freno	Coppia frenante M_b [Nm]	Rilascio t_1 [ms]	Frenatura t_2 [ms]	W_{max} [J] 10 s/h	100 s/h	1000 s/h	W [MJ]	P [VA]
FA 02	3.5	4	20	4500	1400	180	15	60
FA 03	7.5	4	40	7000	1900	230	25	80
FA 04	15	6	60	10000	3100	350	30	110
FA 14								
FA 05	40	8	90	18000	4500	500	50	250
FA 15								
FA 06S	60	16	120	20000	4800	550	70	470
FA 06	75	16	140	29000	7400	800	80	550
FA 07	150	16	180	40000	9300	1000	130	600
FA 08	250	20	200	60000	14000	1500	230	1200

M_b = max coppia frenante statica (±15%)
t_1 = tempo di rilascio freno
t_2 = ritardo di frenatura
W_{max} = energia max per frenata (capacità termica del freno)
W = energia di frenatura tra due regolazioni successive del traferro
P_b = potenza assorbita dal freno a 20° (50 Hz)
s/h = avviamenti orari

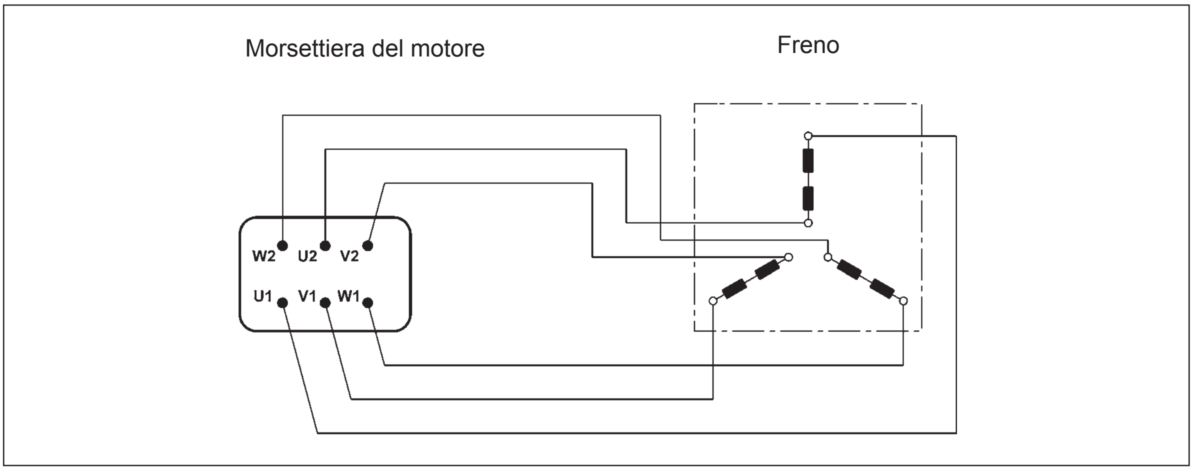
N.B.
I valori di t_1 e t_2 riportati in tabella sono riferiti al freno tarato alla coppia nominale, traferro medio e tensione nominale.

L'usura delle guarnizioni di attrito è funzione delle condizioni operative (temperatura, umidità, velocità di slittamento, pressione specifica); i valori di usura devono pertanto essere considerati come indicativi.

M9.4 Collegamenti freno FA

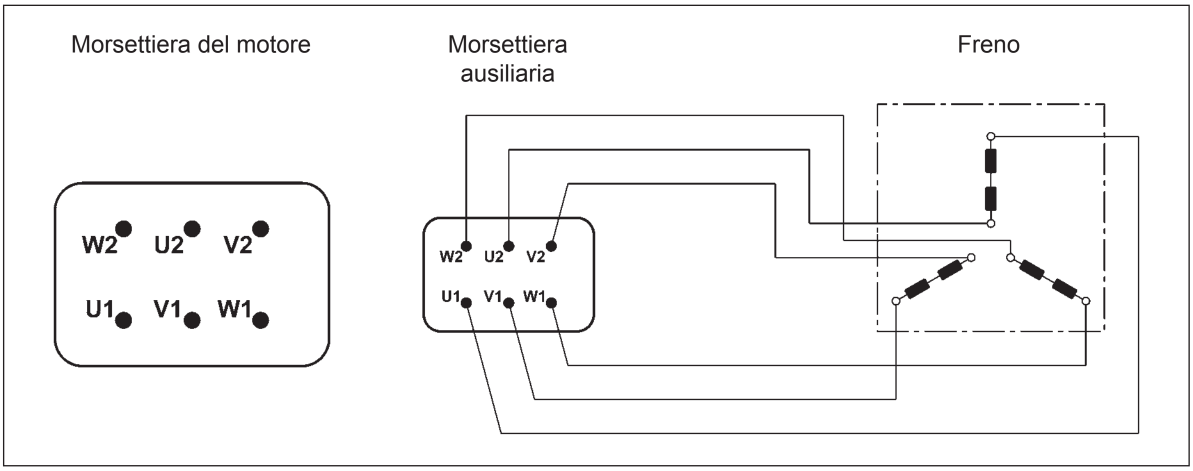
Per i motori con alimentazione del freno derivata direttamente dall'alimentazione motore i collegamenti alla morsettiera corrispondono a quanto riportato nello schema seguente:

(F40)



Per i motori a doppia polarità e, quando richiesto, per i motori ad una velocità con alimentazione da linea separata è prevista una morsettiera ausiliaria a 6 morsetti per il collegamento del freno; in questa esecuzione i motori prevedono la scatola coprimorsetti maggiorata. Vedi schema seguente:

(F41)

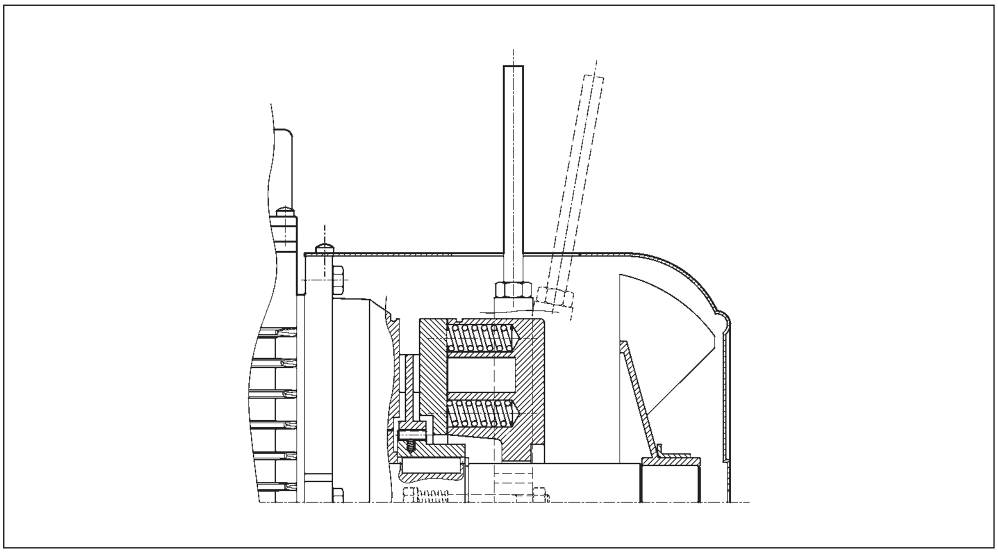


M10 SISTEMI DI SBLOCCO FRENO

I freni a pressione di molle tipo FD e FA possono essere dotati opzionalmente di dispositivi per lo sblocco manuale del freno, normalmente utilizzati per condurre interventi di manutenzione sulle parti di macchina, o dell'impianto, comandate dal motore.

(F42)

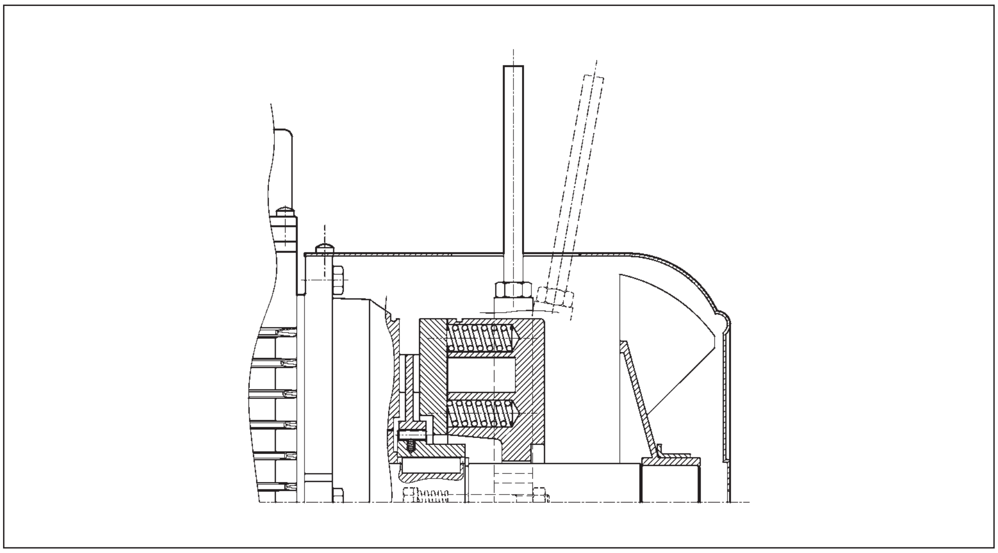
R



La leva di sblocco è dotata di ritorno automatico, tramite dispositivo a molla.

(F43)

RM



Sui motori tipo BN_FD la leva di sblocco può essere temporaneamente bloccata in posizione di rilascio del freno, avvitando la stessa fino ad impegnarne l'estremità in un risalto del corpo del freno. La disponibilità dei sistemi di sblocco freno è diversa per i vari tipi di motore, ed è descritta dalla tabella seguente:

(F44)

	R	RM
BN_FD	**BN 63...BN 200**	**BN 63 ... BN 132** ⊖ **FD07**
BN_FA	**BN 63...BN 180M**	⊖

M10.1 Orientamento della leva di sblocco

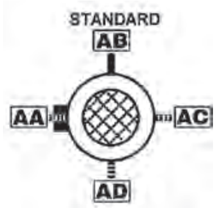
Per entrambe le opzioni **R** e **RM**, la leva di sblocco del freno viene collocata, se non diversamente specificato, con orientamento di 90° in senso orario, rispetto alla posizione della morsettiera - riferimento [**AB**] nel disegno sottostante.
Orientamenti alternativi, tipo [**AA**], [**AC**] e [**AD**] possono essere richiesti citandone la relativa specifica:

(F45)

AA

AC

AD



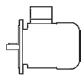
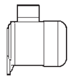
M11 OPZIONI

M11.1 Avviamento progressivo

F1

Per applicazioni che richiedono progressività nelle fasi di avvio e di arresto è disponibile un volano - opzione F1 - la cui inerzia aggiuntiva assorbe energia cinetica durante l'avviamento e la restituisce in frenatura, rendendo i transitori più progressivi e graduali. Il volano è disponibile per i motori autofrenanti del tipo BN_FD con caratteristiche specifiche dettagliate nella tabella che segue:

(F46)

Dati tecnici volano per motori tipo: BN_FD, M_FD			
		**Peso volano** [Kg]	**Inerzia volano** [Kgm²]
BN 63	**M05**	0.69	0.00063
BN 71	**M1**	1.13	0.00135
BN 80	**M2**	1.67	0.00270
BN 90 S - BN 90 L	**–**	2.51	0.00530
BN 100	**M3**	3.48	0.00840
BN 112	**–**	4.82	0.01483
BN 132 S - BN 132 M	**M4**	6.19	0.02580

M11.2 Filtro capacitivo

CF

Per i soli motori autofrenanti in corrente continua tipo BN_FD è disponibile in opzione il filtro capacitivo. Se corredati dell'opportuno filtro capacitivo a monte del raddrizzatore (opzione CF) i motori rientrano nelimiti di emissione previsti dalla Norma EN 61000-6-3:2007 "Compatibilità elettromagnetica – Norma Generica sull'emissione – Parte 6-3: Ambienti residenziali, commerciali e dell'industria leggera".

M11.3 Protezioni termiche

Oltre alla protezione garantita dall'interruttore magnetotermico, i motori possono essere provvisti di sonde termiche incorporate per proteggere l'avvolgimento da eccessivo riscaldamento dovuto a scarsa ventilazione o servizio intermittente.
Questa protezione dovrebbe sempre essere prevista per motori servoventilati (IC416).

M11.4 Sonde termiche a termistori

E3

Sono dei semiconduttori che presentano una rapida variazione di resistenza in prossimità della temperatura nominale di intervento (150 °C). L'andamento della caratteristica R= f(T) è normalizzato dalle Norme DIN 44081, IEC 34-11. In genere vengono impiegati termistori a coefficiente di temperatura positivo denominati anche "resistori a conduttore freddo" PTC. I termistori non possono comandare direttamente i relais e devono pertanto essere collegati ad un'adeguata apparecchiatura di sgancio. Con questa protezione vengono inseriti tre PTC, (collegati in serie), nell'avvolgimento con terminali disponibili in morsettiera ausiliaria.

K1

Sono un sottogruppo dei termistori PTC le cui caratteristiche costruttive ne permettono l'impiego come sensori di temperatura aventi un coefficiente di temperatura positivo funzione della resistenza.
La temperatura di esercizio è: 0°C ... +260°C.
I termistori non possono comandare direttamente i relais e devono pertanto essere collegati ad un'adeguata apparecchiatura di sgancio.
I terminali (polarizzati) di n.1 KTY 84-130 sono disponibili in una morsettiera ausiliaria.

M11.5 Sonde termiche bimetalliche

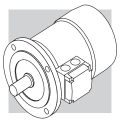
D3

I protettori di questo tipo contengono all'interno di un involucro un disco bimetallico che, raggiunta la temperatura nominale di intervento (150 °C), commuta i contatti dalla posizione di riposo.
Con la diminuzione della temperatura, il disco e i contatti riprendono automaticamente la posizione di riposo.
Normalmente si impiegano tre sonde bimetalliche in serie con contatti normalmente chiusi e terminali disponibili in una morsettiera ausiliaria.

M11.6 Motore con connettore

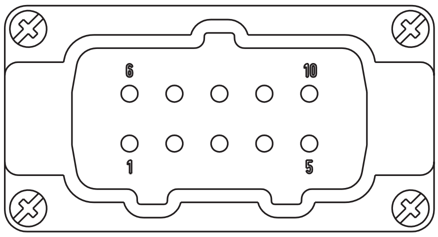
CON

Sono disponibili tre tipi di connettori (CON 1, CON 2, CON 3) che possono essere installati in due posizioni di montaggio: lato destro scatola coprimorsettiera (C1D, C2D, C3D); lato sinistro scatola coprimorsettiera (C1S, C2S, C3S). L'opzione CON è prevista per i motori BN e M a singola polarità (2, 4, 6, 8, poli) e BX/BE e MX/ME nelle grandezze indicate nella tabella seguente. Sono escluse tutte le versioni con doppia polarità. I connettori sono disponibili per i motori BX-BE/MX-ME e BN/M nella versione senza freno e per i motori autofrenanti BN e M dotati di freno in corrente continua FD, nelle grandezze indicate nella tabella seguente.
Sul motore è fissato il connettore maschio (dotato di pin), il connettore femmina è escluso dalla fornitura.
Con l'opzione CON è sempre previsto il collegamento a Y delle fasi.
Per motori provvisti di servoventilazione (opzione U1) l'alimentazione del ventilatore è prevista nella scatola morsettiera separata fissata al copriventola.
Nei motori dotati di encoder (opzioni EN1...EN6) i terminali della connessione dell'encoder avviene tramite cavo volante non connesso al connettore.
L'opzione CON non è applicabile ai motori dotati di freno in corrente alternata FA.
L'opzione CON non è compatibile con le opzioni U2, CUS, IC.

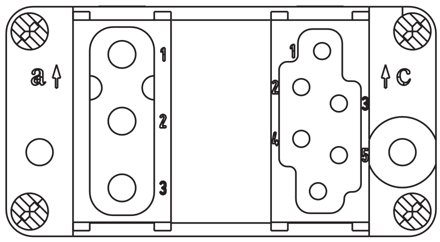


Dati tecnici

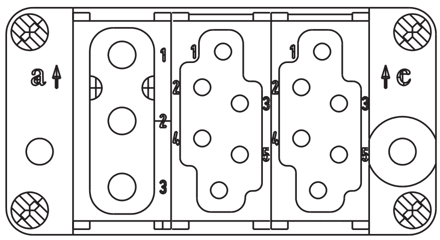
(F47)

Opzione	**CON 1**
Grandezza motore	**BE 80 ... BE 112 / ME2, ME3 / BN 63 … BN 112 / M05 ... M3**
Vista connettore	
Tipo di connettore	Harting Han 10ES
Corpo connettore	Han EMC 10B con 2 leve
Numero di pins - corrente nominale	10 x 16A
Tensione di alimentazione	500 Vac
Tipo di connessione contatti	Terminali con vite

(F48)

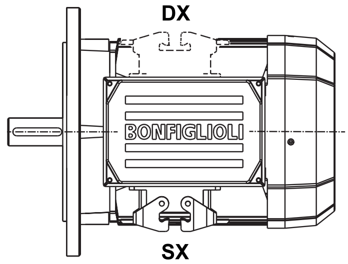
Opzione	**CON 2**
Grandezza motore	**BX 132 / BE 80 ... BE 132M / MX4 / ME4 / BN 63 … BN 132M / M05 ... M4L**
Vista connettore	
Tipo di connettore	Harting Han Modular
Corpo connettore	Han EMC 10B con 2 leve
Tipo Moduli	Modulo C + Modulo vuoto + Modulo E
Numero di pins - corrente nominale	3 x 36A / 6 x 16A
Tensione di alimentazione	500 Vac
Tipo di connessione contatti	Contatti a crimpare

(F49)

Opzione	**CON 3**
Grandezza motore	**BX 132 / BE 80 ... BE 132M / MX4 / ME4 / BN 63 … BN 132M / M05 ... M4L**
Vista connettore	
Tipo di connettore	Harting Han Modular
Corpo connettore	Han EMC 10B con 2 leve
Tipo Moduli	Modulo C + Modulo E + Modulo E
Numero di pins - corrente nominale	3 x 36A / 6 + 6 x 16A
Tensione di alimentazione	500 Vac
Tipo di connessione contatti	Contatti a crimpare

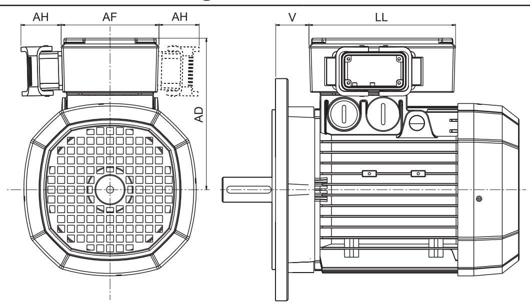
(F50)

Orientamento connettori



(F51)

Dimensioni d'ingombro motori senza freno

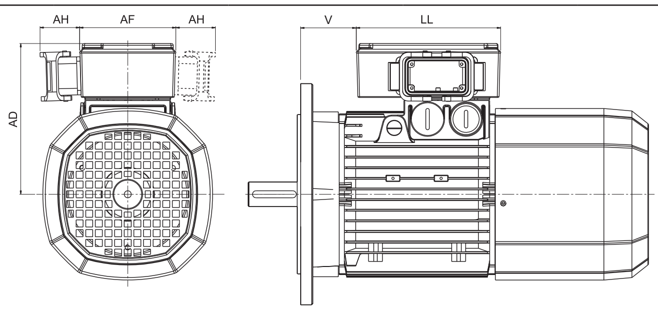


		AD (mm)	**AF** (mm)	**AH** (mm)	**LL** (mm)	**V**(*) (mm)
BN 63	**M05**	136	110	45	165	4.5
BN 71	**M1**	149	110	45	165	15.5
BE 80 - BN 80	**ME2 - M2**	160	110	45	165	16.5
BE 90 - BN 90	**–**	162	110	45	165	31.5
BE 100 - BN 100	**ME3 - M3**	171	110	45	165	37.5
BE 112 - BN 112	**–**	186	110	45	165	39
BX 132 - BE 132 - BN 132	**MX4 - ME4 - M4**	210	140	45	188	45.5
BN 160MR	**–**	210	140	45	188	161

(*) Dimensione valida solo per motori BX, BE e BN

(F52)

Dimensioni d'ingombro motori con freno FD



		AD (mm)	**AF** (mm)	**AH** (mm)	**LL** (mm)	**V**(*) (mm)
BN63	**M05**	136	110	45	165	4.5
BN71	**M1**	149	110	45	165	1.5
BN80	**M2**	160	110	45	165	18.5
BN90	**—**	162	110	45	165	39.5
BN100	**M3**	171	110	45	165	63.5
BN112	**—**	186	110	45	165	75
BN132	**M4**	210	140	45	188	122
BN160MR	**—**	210	140	45	188	161

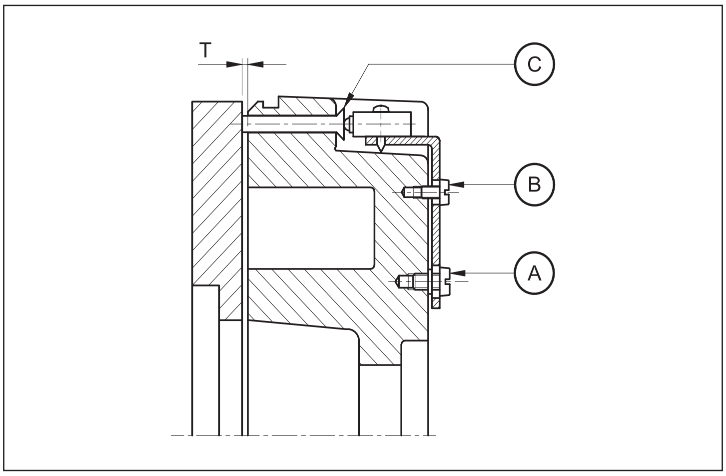
(*) Dimensione valida solo per motori BN

M11.7 Controllo della funzionalità del freno

MSW

Il microinterruttore può essere regolato per segnalare l’attrazione/rilascio dell’ancora mobile o per segnalare il raggiungimento del massimo valore ammissibile per il traferro.
L’opzione MSW è disponibile per i freni FD03...FD09.
Il microswitch è dotato di tre terminali NC, NO, COM. Nella figura sottostante sono raffigurati i principali componenti del freno equipaggiato con microswitch.

(F53)



A: Viti di fissaggio
B: Vite di regolazione
C: Attuatore

M11.8 Ingresso cavi supplementare per motori autofrenanti

IC

Sulla scatola coprimorsettiera dei motori autofrenanti BN63...BN160MR / M05...M4 sono disponibili due ingressi cavo supplementari M16 x 1.5 (uno per lato).
Sulla scatola coprimorsettiera dei motori autofrenanti BN160...BN200 / M5 è disponibile un ingresso cavo supplementare M16 x 1.5 affiancato all’ingresso cavo freno.

M11.9 Riscaldatori anticondensa

H1 **NH1**

I motori funzionanti in ambienti molto umidi e/o in presenza di forti escursioni termiche, possono essere equipaggiati con una resistenza anti-condensa.
L’alimentazione monofase è prevista da morsettiera ausiliaria posta nella scatola principale.
Le potenze assorbite dalla resistenza elettrica sono elencate qui di seguito:

(F54)

	H1 1~ 230V ± 10% P [W]	NH1 1~ 115V ± 10% P [W]
BE 80 **BN 56 ... BN 80**	10	10
BX 132 **BE 90 ... BE 132MB** **BN 90 ... BN 160MR**	25	25
BX 160, BX 180 **BE 160, BE 180** **BN 160, BN 200**	50	50

Importante! Durante il funzionamento del motore la resistenza anticondensa non deve mai essere inserita.

M11.10 Tropicalizzazione

TP

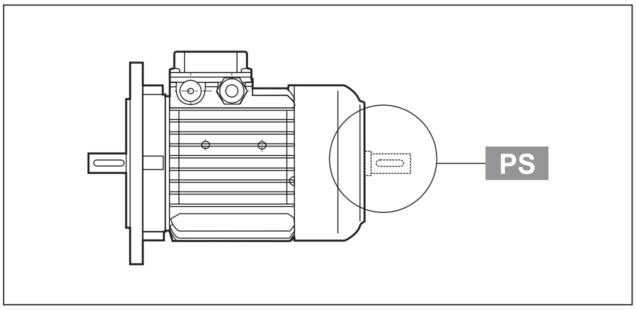
Su richiesta, mediante la specifica dell'opzione **TP,** gli avvolgimenti del motore ottengono una protezione aggiuntiva che li rende idonei al funzionamento in condizioni di elevata temperatura e umidità.

M11.11 Seconda estremità d'albero

PS

L'opzione esclude le varianti RC, TC, U1, U2, EN1, EN2, EN3, EN4, EN5, EN6.
Le dimensioni sono reperibili nelle tavole dimensionali dei motori.

(F55)



M11.12 Dispositivo antiritorno

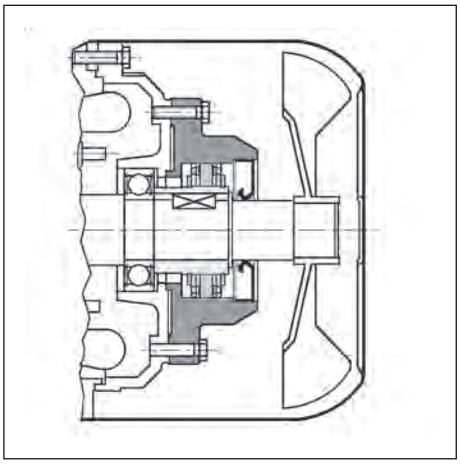
AL **AR**

Nelle applicazioni dove è necessario impedire la rotazione inversa del motore dovuta all'azione del carico, è possibile impiegare motori provvisti di un dispositivo antiritorno (disponibile solo sulla serie MX/ME e M). Questo dispositivo, pur consentendo la libera rotazione nel senso di marcia, interviene istantaneamente in caso di mancanza di alimentazione bloccando la rotazione dell'albero nel senso inverso. Il dispositivo antiritorno è lubrificato a vita con grasso specifico per questa applicazione. In fase di ordine dovrà essere indicato chiaramente il senso di marcia previsto. In nessun caso il dispositivo antiritorno dovrà essere utilizzato per impedire la rotazione inversa nel caso di collegamento elettrico errato. Nella tabella (F56) sono indicate le coppie nominale e massima di bloccaggio attribuite ai dispositivi antiritorno utilizzati, mentre la raffigurazione schematica del dispositivo è inserita nella tabella (F57). Le dimensioni sono le stesse del motore autofrenante. Il senso di rotazione libera è descritto nel paragrafo "OPZIONI MOTORI" delle specifiche sezioni dedicate ai riduttori.

(F56)

	Coppia nominale di bloccaggio [Nm]	Coppia max. di bloccaggio [Nm]	Velocità di distacco [min^{-1}]
M1	6	10	750
ME2 **M2**	16	27	650
ME3 **M3**	54	92	520
MX4 - ME4 **M4**	110	205	430

(F57)



M11.13 Equilibratura rotore

RV

Per esigenze di particolare silenziosità è disponibile l'esecuzione opzionale **RV** che garantisce vibrazioni ridotte, secondo il grado **B**.
La tabella sottostante riporta i valori della velocità efficace di vibrazione per equilibratura normale (A) e in grado B.

(F58)

Grado di vibrazione	Velocità di rotazione n [min^{-1}]	Limiti della velocità di vibrazione (mm/s) **BX 132 ≤ H ≤ BX 180L** **BE 80 ≤ H ≤ BE 180L** **BN 56 ≤ H ≤ BN 200**
A	600 < n < 3600	1.6
B	600 < n < 3600	0.70

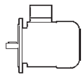
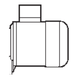
“I valori si riferiscono a misure con motore liberatamente sospeso e funzionamento a vuoto; tolleranza ±10%.

M11.14 Ventilazione

I motori sono raffreddati mediante ventilazione esterna (IC 411 secondo CEI EN 60034-6) e sono provvisti di ventola radiale in plastica, funzionante in entrambi i versi di rotazione.
L'installazione dovrà assicurare una distanza minima della calotta copriventola dalla parete più vicina, in modo da non creare impedimento alla circolazione dell'aria, oltre che permettere l'esecuzione della manutenzione ordinaria del motore e, se presente, del freno.
Su richiesta, a partire dalle grandezze BN 71 e M1, i motori possono essere forniti con ventilazione forzata ad alimentazione indipendente. Il raffreddamento è realizzato per mezzo di un ventilatore assiale con alimentazione indipendente, montato sulla calotta copriventola (metodo di raffreddamento IC 416).
Questa esecuzione è utilizzata in caso di alimentazione del motore tramite inverter allo scopo di estendere il campo di funzionamento a coppia costante anche a bassa velocità, o quando per lo stesso sono richieste elevate frequenze di avviamento.
Da questa opzione sono esclusi i motori con doppia sporgenza d'albero (opzione PS).

Per la variante sono disponibili due esecuzioni alternative, denominate **U1** e **U2**, aventi lo stesso ingombro in senso longitudinale. Per entrambe le esecuzioni, la maggiore lunghezza della calotta copriventola (**ΔL**) è riportata nella tabella che segue. Dimensioni complessive ricavabili dalle tavole dimensionali dei motori.

(F59)

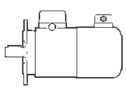
Tabella maggiorazione lunghezze motore			
		**Δ L_1**	**Δ L_2**
BN 71	**M1**	184	–
BE 80 - BN 80	**ME2 - M2**	93	32
BE 90 - BN 90	–	127	55
BE 100 - BN 100	**ME3 - M3**	131	48
BE 112 - BN 112	–	119	28
BX - 132 - BE 132 - BN 132	**MX4 - ME4 - M4**	130	31
BX 160 - BE 160, BX 180 - BE, 180	**MX5 - ME5**	161	51

ΔL_1 = variazione dimensionale rispetto alla quota LB del motore standard corrispondente.

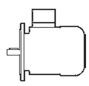
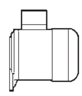
ΔL_2 = variazione dimensionale rispetto alla quota LB del motore autofrenante corrispondente. Solo per motori BN.

U1

Terminali di alimentazione del ventilatore in scatola morsetti separata.
Nei motori autofrenanti grandezza BN 71 ... BN 160MR, M1 ... M4L, con variante **U1**, la leva di sblocco non è collocabile nella posizione AA.
L’opzione non è disponibile per i motori conformi alle norme CSA e UL (opzione CUS).

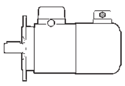


(F60)

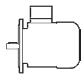
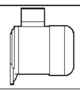
		**V a.c.** ±10%	**Hz**	**P** [W]	**I** [A]
BN 71	**M1**	1 ~ 230	50 / 60	22	0.12
BE 80 **BN 80**	**ME2** **M2**			22	0.12
BE 90 **BN 90**	–			40	0.30
BE 100 **BN 100**	**ME3** **M3**			50	0.25
BE 112 **BN 112**	–	3 ~ 230Δ / 400Y		50	0.26 / 0.15
BX 132 - BE 132 **BN 132 ... BN 160MR**	**MX4 - ME4** **M4L**			110	0.38 / 0.22
BX 160 - BE 160 **BN 160M ... BN 180M**	**MX5 - ME5** **M5**		50	180	1.25 / 0.72
BX 180 - BE 180 **BN 180L ... BN 200L**	–			250	1.51 / 0.87

U2

I terminali del ventilatore sono collocati nella scatola morsettiera principale del motore.
L'opzione **U2** non è applicabile ai motori BX, BE, MX, ME e ai motori con opzione CUS (conformi alle norme CSA e UL).



(F61)

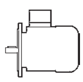
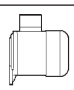
		**V a.c.** ±10%	**Hz**	**P** [W]	**I** [A]
BN 71	**M1**	1 ~ 230	50 / 60	22	0.12
BN 80	**M2**			22	0.12
BN 90	**–**			40	0.30
BN 100	**M3**	3 ~ 230Δ / 400Y		40	0.26 / 0.09
BN 112	**–**			50	0.26 / 0.15
BN 132 ... BN 160MR	**M4L**			110	0.38 / 0.22

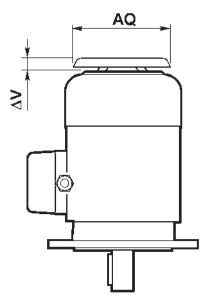
M11.15 Tettuccio parapioggia

RC

Il dispositivo parapioggia, che è raccomandato quando il motore è montato verticalmente con l'albero verso il basso, serve a proteggere il motore stesso dall'ingresso di corpi solidi e dallo stillicidio.
Le dimensioni aggiuntive sono indicate nella tabella sottostante.
Il tettuccio esclude le varianti PS, EN1, EN2, EN3, EN4, EN5, EN.

(F62)

		**AQ**	**ΔV**
BN 63	**M05**	118	24
BN 71	**M1**	134	27
BE 80 **BN 80**	**ME2** **M2**	152	25
BE 90 **BN 90**	**—** **—**	168	30
BE 100 **BN 100**	**ME3** **M3**	190	28
BE 112 **BN 112**	**—** **—**	211	32
BX 132 - BE 132 **BN 132...BN 160MR**	**MX4 - ME4** **M4**	254	32
BX 160 - BE 160 **BN 160M...BN 180M**	**MX5 - ME5** **M5**	302	36
BX 180 - BE 180 **BN 180L...BN 200L**	**—** **—**	340	36



M11.16 Tettuccio tessile

TC

La variante del tettuccio tipo TC è da specificare quando il motore è installato in ambienti dell'industria tessile, dove sono presenti filamenti che potrebbero ostruire la griglia del copriventola, impedendo il regolare flusso dell'aria di raffreddamento.
L'opzione esclude le varianti EN1, EN2, EN3, EN4, EN5, EN6, PS, U1, U2. L'ingombro complessivo è lo stesso del tettuccio tipo RC.

M11.17 Dispositivi di retroazione

I motori possono essere dotati di sei diversi tipi di encoder, qui di seguito descritti.
Il montaggio dell'encoder esclude le esecuzioni con doppia estremità d'albero (PS) e tettuccio di protezione (RC, TC).

EN1

Encoder incrementale, V_{IN} = 5 V, uscita line-driver RS 422.

EN2

Encoder incrementale, V_{IN} = 10-30 V, uscita line driver RS 422.

EN3

Encoder incrementale, V_{IN} = 12-30 V, uscita push-pull 12-30 V

EN4

Encoder sin/cos, V_{IN} = 4.5-5.5 V, uscita Sinus $0.5V_{PP}$.

EN5

Encoder assoluto monogiro, interfaccia HIPERFACE®, V_{IN} = 7-12 V.

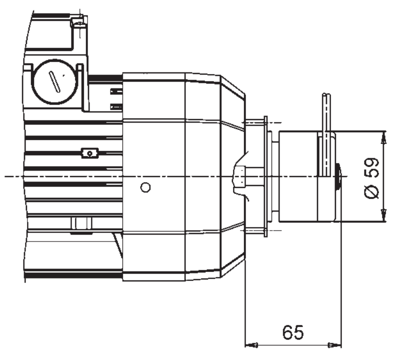
EN6

Encoder assoluto multigiro, interfaccia HIPERFACE®, V_{IN} = 7-12 V.

(F63)

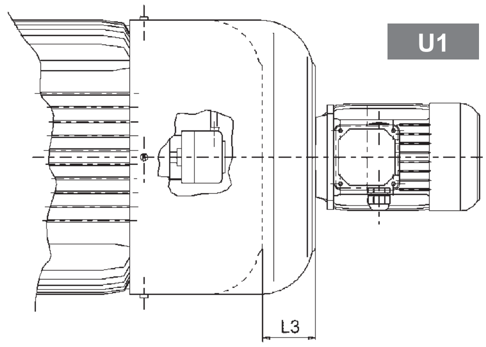
		EN1	EN2	EN3	EN4	EN5	EN6
interfaccia		TTL/RS 422	TTL/RS 422	HTL/push-pull	Sinus 0.5 VPP	HIPERFACE®	HIPERFACE®
tensione alimentazione	[V]	4...6	10...30	12...30	4.4...5.5	7...12	7...12
tensione di uscita	[V]	5	5	12...30	—	—	—
corrente di esercizio senza carico	[mA]	120	100	100	40	80	80
n° di impulsi per giro		1024					
risoluzione		—	—	—	—	15 bit	15 bit
rivoluzioni		—	—	—	—	—	12 bit
n° segnali		6 (A, B, Z + segnali invertiti)			6 (cos-, cos+, sin-, sin+, Z, $\overline{Z}$)	—	—
max. frequenza di uscita	[kHz]	600			200		
max. velocità	[min^{-1}]	6000 (9000 min^{-1} per 10 s)					
campo di temperatura di funzionamento	[°C]	-30 ... +100					
grado di protezione		IP 65					

(F64)

EN1, EN2, EN3, EN4, EN5, EN6	
	
BX 132 ... BX 180L BE 80 ... BE 180L	MX2 ... MX5L ME2S ... ME5L
BN 63 ... BN 200L	M05 ... M5
BN 63_FD ... BN 200L_FD	M05_FD ... M5_FD
BN 63_FA ... BN 200L_FA	M05_FA ... M5_FA

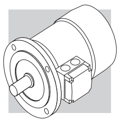
(F65)

EN_ + U1



		L3
BX 160 - BE 160 - BN 160M...BN 180M	MX5 - ME5 - M5	72
BX 180 - BE 180 - BN 180L...BN 200L	–	82
BN 160M_FD...BN 180M_FD	M5_FD	35
BN 180L_FD...BN 200L_FD	–	41

Se l’opzione EN_ è richiesta per motori di grandezza BE80B … BX/BE132MB , ME2 … MX/ME4 - BN71...BN160MR , M1 … M4, contemporaneamente all’opzione U1/U2, le variazioni dimensionali coincidono con quelle dell’opzione U1/U2.



M11.18 Protezione superficiale

C_

I motori, che laddove non viene richiesta una classe di protezione specifica, nelle zone verniciate (ferrose) rispettano come requisito minimo la classe di protezione C2 (UNI EN ISO 12944-2), sono forniti con protezione superficiale C3 e C4 per una migliore resistenza alla corrosione atmosferica.

(F66)

PROTEZIONE SUPERFICIALE	Ambienti tipici	Temperatura superficiale max.	Classe di corrosività secondo UNI EN ISO 12944-2
C3	Ambienti urbani ed industriali, con umidità relativa dell’aria max.100% (inquinamento ambientale medio)	120°C	C3
C4	Aree industriali, zone costiere, impianti chimici, con umidità relativa dell’aria max.100% (inquinamento ambientale alto)	120°C	C4

I motori previsti con le protezioni opzionali C3 e C4 sono disponibili in diverse tinte.
Se non specificata nessuna tinta (vedere opzione “VERNICIATURA”) la fornitura viene eseguita con la tinta RAL 7042.
A richiesta sono fornibili motori per classe di corrosività C5 secondo UNI EN ISO 12944-2, contattando il ns. Servizio tecnico-Commerciale.

M11.19 Verniciatura

RAL

I motori previsti con le protezioni opzionali C3 e C4 sono disponibili in diverse tinte, secondo la tabella seguente.

(F67)

VERNICIATURA	Colore	Catalogazione RAL
RAL7042*	Grigio traffico A	7042
RAL5010	Blu genziana	5010
RAL9005	Nero intenso	9005
RAL9006	Alluminio brillante	9006
RAL9010	Bianco puro	9010

* Colore di fornitura standard se non specificato diversamente

NOTA - L’opzione “VERNICIATURA” è configurabile esclusivamente in abbinamento con l’opzione “PROTEZIONE SUPERFICIALE”.

M11.20 Prove documentali

ACM

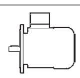
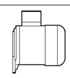
Attestato di conformità motori
Documento il cui rilascio attesta la conformità del prodotto allordinativo e la costruzione dello stesso in conformità alle procedure standard di processo e di controllo previste dal sistema di Qualità Bonfiglioli Riduttori.

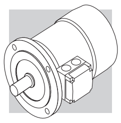
CC

Certificato di collaudo
La specifica comporta la conduzione di verifiche di conformità all'ordine, controlli visivi generali e verifiche strumentali delle caratteristiche elettriche di funzionamento a vuoto. Il collaudo è riferito allo specifico motore analizzato ed applicato ad un campione statistico del lotto di spedizione.

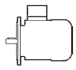
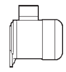
M12 TABELLE DI CORRELAZIONE MOTORI

(F68)

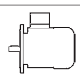
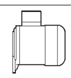
2 poli							
Classe di efficienza		IE1	IE2	IE3	IE1	IE2	IE3
Pn [kW]	0.06						
	0.09						
	0.12						
	0.18	BN 63A 2			M 05A 2		
	0.25	BN 63B 2			M 05B 2		
	0.37	BN 71A 2			M 05C 2		
	0.55	BN 71B 2			M 1SD 2		
	0.75	BN 71C 2 BN 80A 2	BE 80A 2		M 1LA 2	ME 2SA 2	
	1.1	BN 80B 2	BE 80B 2		M 2SA 2	ME 2SB 2	
	1.5	BN 90SA 2	BE 90SA 2		M 2SB 2		
	1.85	BN 90SB 2					
	2.2	BN 90L 2	BE 90L 2		M 3SA 2		
	3	BN 100L 2	BE 100L 2		M 3LA 2	ME 3LB 2	
	4	BN 112M 2	BE 112M 2		M 3LB 2		
	5.5	BN 132SA 2	BE 132SA 2		M 4SA 2	ME 4SA 2	
	7.5	BN 132SB 2	BE 132SB 2		M 4SB 2	ME 4LA 2	
	9.2	BN 132M 2	BE 132MB 2		M 4LA 2	ME 4LB 2	
	11	BN 160MR 2 BN 160M 2	BE 160MA 2		M 4LC 2	ME 5SA 2	
	15	BN 160MB 2	BE 160MB 2		M 5SB 2	ME 5SB 2	
	18.5	BN 160L 2	BE 160L 2		M 5SC 2	ME 5LA 2	
	22	BN 180M 2			M 5LA 2		
	30	BN 200LA 2					

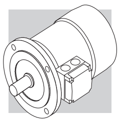


(F69)

4 poli							
Classe di efficienza		IE1	IE2	IE3	IE1	IE2	IE3
Pn [kW]	0.06	BN 56A 4					
	0.09	BN 56B 4			M 0B 4		
	0.12	BN 63A 4			M 05A 4		
	0.18	BN 63B 4			M 05B 4		
	0.25	BN 63C 4			M 05C 4		
		BN 71A 4					
	0.37	BN 71B 4			M 1SD 4		
	0.55	BN 71C 4			M 1LA 4		
		BN 80A 4					
	0.75	BN 80B 4	BE 80B 4		M 2SA 4	ME 2SB 4	
	1.1	BN 80C 4	BE 90S 4		M 2SB 4	ME 3SA 4	
		BN 90S 4					
	1.5	BN 90LA 4	BE 90LA 4		M 3SA 4	ME 3SB 4	
	1.85	BN 90LB 4					
	2.2	BN 100LA 4	BE 100LA 4		M 3LA 4	ME 3LA 4	
	3	BN 100LB 4	BE 100LB 4		M 3LB 4	ME 3LB 4	
	4	BN 112M 4	BE 112M 4		M 3LC 4	ME 4SA 4	
	5.5	BN 132S 4	BE 132S 4	BX 132SB 4	M 4SA 4	ME 4SB 4	MX 4SB 4
	7.5	BN 132MA 4	BE 132MA 4	BX 132MA 4	M 4LA 4	ME 4LA 4	MX 4LA 4
	9.2	BN 132MB 4	BE 132MB 4	BX 160MA 4	M 4LB 4	ME 4LB 4	MX 5SA 4
	11	BN 160MR 4	BE 160M 4	BX 160MB 4	M 4LC 4	ME 5SA 4	MX 5SB 4
		BN 160M 4					
	15	BN 160L 4	BE 160L 4	BX 160L 4	M 5SB 4	ME 5LA 4	MX 5LA 4
	18.5	BN 180M 4	BE 180M 4	BX 180M 4	M 5LA 4		
	22	BN 180L 4	BE 180L 4	BX 180L 4			
	30	BN 200L 4					

(F70)

6 poli							
Classe di efficienza		IE1	IE2	IE3	IE1	IE2	IE3
Pn [kW]	0.06						
	0.09	BN 63A 6			M 05A 6		
	0.12	BN 63B 6			M 05B 6		
	0.18	BN 71A 6			M 1SC 6		
	0.25	BN 71B 6			M 1SD 6		
		BN 71C 6					
	0.37	BN 80A 6			M 1LA 6		
	0.55	BN 80B 6			M 2SA 6		
	0.75	BN 80C 6	BE 90S 6		M 2SB 6		
		BN 90S 6					
	1.1	BN 90L 6			M 3SA 6		
	1.5	BN 100LA 6	BE 100LA 6		M 3LA 6	ME 3LB 6	
	1.85	BN 100LB 6			M 3LB 6		
	2.2	BN 112M 6	BE 112M 6		M 3LC 6		
	3	BN 132S 6	BE 132S 6		M 4SA 6	ME 4SB 6	
	4	BN 132MA 6	BE 132MA 6		M 4LA 6	ME 4LA 6	
	5.5	BN 132MB 6	BE 160MA 6		M 4LB 6	ME 5SA 6	
	7.5	BN 160M 6	BE 160MB 6		M 5SA 6	ME 5SB 6	
	9.2						
	11	BN 160L 6			M 5SB 6		
	15	BN 180L 6					
	18.5	BN 200LA 6					
	22						
	30						



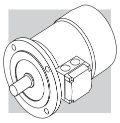
M13 DATI TECNICI MOTORI BX-MX

4 P	1500 min^{-1} - S1	50 Hz - IE3

P_n kW			n min^{-1}	M_n Nm	In 400V A	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} kgm^2	IM B5 Kg
5.5	**BX 132SB**	**4**	1470	36	11.5	89.6	89.2	87.3	0.77	6.6	2.9	2.9	310	57
7.5	**BX 132MA**	**4**	1460	49	15.0	90.4	90.9	90.2	0.80	7.9	3.4	3.0	360	67
9.2	**BX 160MA**	**4**	1465	60	18.3	91.0	91.4	90.6	0.80	6.1	2.5	2.2	650	95
11	**BX 160MB**	**4**	1465	72	20.9	91.4	92.3	92.0	0.83	6.4	2.5	2.3	780	110
15	**BX 160L**	**4**	1465	98	28.3	92.1	92.7	92.4	0.83	6.7	2.5	2.1	890	121
18.5	**BX 180M**	**4**	1473	120	33.2	92.6	93.3	92.4	0.86	10.4	2.5	2.9	1560	155
22	**BX 180L**	**4**	1474	143	39.0	93.0	93.3	92.6	0.87	10.0	2.1	2.6	1660	163

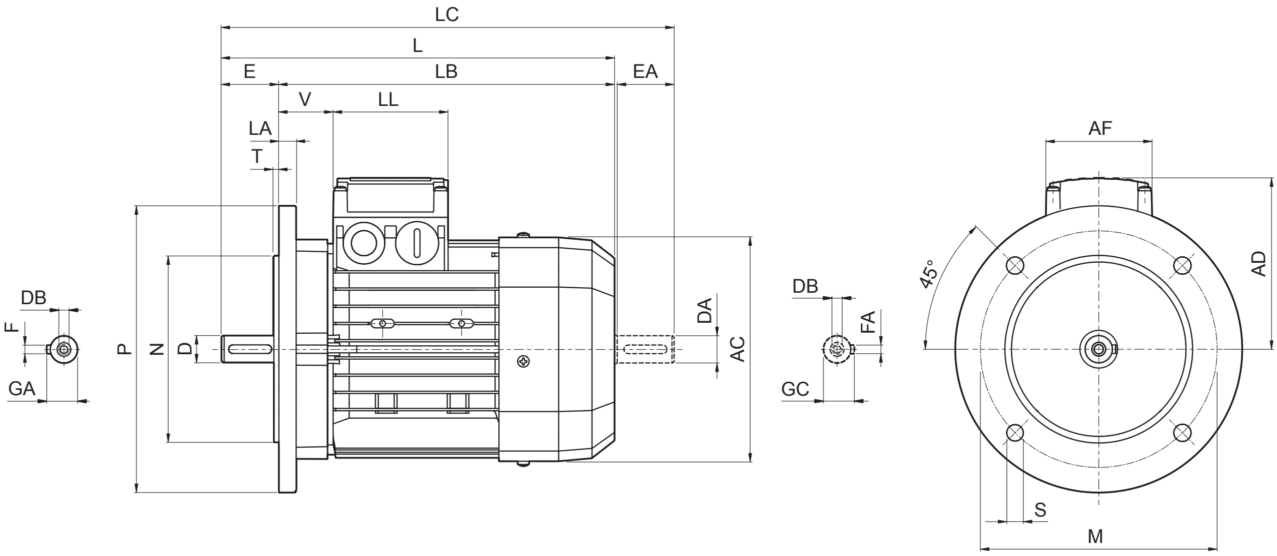
4 P	1500 min^{-1} - S1	50 Hz - IE3

P_n kW			n min^{-1}	M_n Nm	In 400V A	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} kgm^2	IM B9 Kg
5.5	**MX 4SB**	**4**	1470	36	11.5	89.6	89.2	87.3	0.77	6.6	2.9	2.9	310	55
7.5	**MX 4LA**	**4**	1460	49	15.0	90.4	90.9	90.2	0.80	7.9	3.4	3.0	360	65
9.2	**MX 5SA**	**4**	1465	60	18.3	91.0	91.4	90.6	0.80	6.1	2.5	2.2	650	79
11	**MX 5SB**	**4**	1465	72	20.9	91.4	92.3	92.0	0.83	6.4	2.5	2.3	780	96
15	**MX 5LA**	**4**	1465	98	28.3	92.1	92.7	92.4	0.83	6.7	2.5	2.1	890	107



M14 DIMENSIONI MOTORI BX-MX

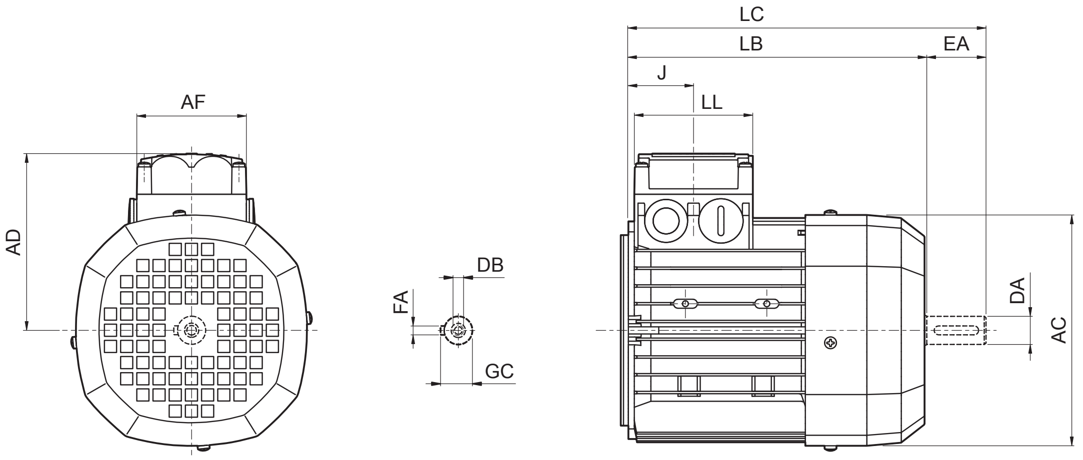
BX - IM B5



	Albero					Flangia						Motore							
	D DA	E EA	DB	GA GC	F FA	M	N	P	S	T	LA	AC	L	LB	LC	AD	AF	LL	V
BX 132 SB	38 28(1)	80 60(1)	M12 M10(1)	41 31(1)	10 8(1)	265	230	300	14	4	16	258	493	413	556	193	118	118	58
BX 132 MA	38 28(1)	80 60(1)	M12 M10(1)	41 31(1)	10 8(1)	265	230	300	14	4	16	258	528	448	591	193	118	118	58
BX 160 MA	42 38(1)	110 80(1)	M16 M12(1)	45 41(1)	12 10(1)	300	250	350	18.5	5	15	310	596	486	680	245	187	187	51
BX 160 MB	42 38(1)	110 80(1)	M16 M12(1)	45 41(1)	12 10(1)	300	250	350	18.5	5	15	310	640	530	724	245	187	187	51
BX 160 L	42 38(1)	110 80(1)	M16 M12(1)	45 41(1)	12 10(1)	300	250	350	18.5	5	15	310	640	530	724	245	187	187	51
BX 180 M	48 42(1)	110 110(1)	M16 M16(1)	51.5 45(1)	14 12(1)	300	250	350	18.5	5	18	348	708	598	823	261	187	187	52
BX 180 L	48 42(1)	110 110(1)	M16 M16(1)	51.5 45(1)	14 12(1)	300	250	350	18.5	5	18	348	708	598	823	261	187	187	52

N.B.:
1) Queste dimensioni sono riferite alla seconda estremità d'albero.

MX



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<tr><th rowspan="2"></th><th colspan="5">Seconda estremità albero</th><th colspan="7">Motore</th></tr>
<tr><th>DA</th><th>EA</th><th>DB</th><th>FA</th><th>GC</th><th>AC</th><th>LB</th><th>LC</th><th>AF</th><th>LL</th><th>J</th><th>AD</th></tr>
<tr><td>MX 4SB</td><td rowspan="2">28</td><td rowspan="2">60</td><td rowspan="2">M10</td><td rowspan="2">8</td><td rowspan="2">31</td><td rowspan="2">258</td><td>361</td><td>424</td><td rowspan="2">118</td><td rowspan="2">118</td><td rowspan="2">64.5</td><td rowspan="2">193</td></tr>
<tr><td>MX 4LA</td><td>396</td><td>459</td></tr>
<tr><td>MX 5SA</td><td rowspan="3">38</td><td rowspan="3">80</td><td rowspan="3">M12</td><td rowspan="3">10</td><td rowspan="3">41</td><td rowspan="3">310</td><td>418</td><td>502</td><td rowspan="3">187</td><td rowspan="3">187</td><td rowspan="3">77</td><td rowspan="3">245</td></tr>
<tr><td>MX 5SB</td><td rowspan="2">462</td><td rowspan="2">546</td></tr>
<tr><td>MX 5LA</td></tr>
</table>

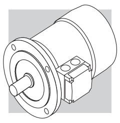
M15 DATI TECNICI MOTORI BE-ME

2 P	3000 min^{-1} - S1	50 Hz - IE2

P_n (kW)			n (min^{-1})	M_n (Nm)	In 400V (A)	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} (kgm^2)	IM B5 (Kg)
0.75	**BE 80A**	**2**	2860	2.5	1.65	80.0	79.6	76.4	0.83	6.8	3.8	3.5	9.0	9.5
1.1	**BE 80B**	**2**	2845	3.7	2.35	81.5	82.2	79.9	0.83	6.9	3.8	3.1	11.4	11.3
1.5	**BE 90SA**	**2**	2865	5.0	3.2	81.3	80.7	78.1	0.82	6.8	3.6	2.8	12.5	12.3
2.2	**BE 90L**	**2**	2870	7.3	4.7	83.2	83.1	80.8	0.82	6.9	3.1	2.9	16.7	14
3	**BE 100L**	**2**	2880	9.9	6.2	84.6	84.6	83.7	0.83	7.3	3.5	3.1	39	23
4	**BE 112M**	**2**	2920	13.1	8.2	85.8	85.5	84.3	0.82	7.9	3.5	3.1	57	28
5.5	**BE 132SA**	**2**	2925	18.0	10.6	87.0	85.0	81.7	0.86	8.5	3.6	3.3	145	42
7.5	**BE 132SB**	**2**	2935	24	14.3	88.1	87.4	84.7	0.86	8.8	3.9	3.6	178	53
9.2	**BE 132MB**	**2**	2920	30	16.4	88.8	86.5	84.2	0.91	8.4	3.7	3.3	210	65
11	**BE 160MA**	**2**	2940	36	20.0	89.4	89.5	88.0	0.89	8.1	3.0	2.9	340	84
15	**BE 160MB**	**2**	2950	49	27.2	90.5	90.5	89.5	0.88	8.5	3.0	2.8	420	97
18.5	**BE 160L**	**2**	2945	60	32	90.9	90.5	89.8	0.91	7.7	2.9	2.7	490	109

4 P	1500 min^{-1} - S1	50 Hz - IE2

P_n (kW)			n (min^{-1})	M_n (Nm)	In 400V (A)	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} (kgm^2)	IM B5 (Kg)
0.75	**BE 80B**	**4**	1430	5.0	1.65	81.0	80.5	78.0	0.81	6.1	3.2	3.0	28	12.2
1.1	**BE 90S**	**4**	1430	7.4	2.53	82.5	82.0	79.5	0.76	6.3	2.9	2.8	28	13.6
1.5	**BE 90LA**	**4**	1430	10.0	3.5	83.5	83.0	80.0	0.74	5.9	3.1	3.0	34	15.1
2.2	**BE 100LA**	**4**	1430	14.7	4.9	85.4	85.0	84.0	0.76	5.8	3.0	2.8	54	22
3	**BE 100LB**	**4**	1420	20	6.6	85.5	86.0	85.5	0.77	5.9	2.8	2.6	61	24
4	**BE 112M**	**4**	1440	27	8.3	87.0	87.0	86.0	0.80	6.5	2.8	2.8	105	32
5.5	**BE 132S**	**4**	1460	36	11.1	88.5	88.5	87.5	0.81	7.3	2.9	2.9	270	53
7.5	**BE 132MA**	**4**	1460	49	14.8	89.0	89.0	88.5	0.82	6.9	2.9	2.8	319	59
9.2	**BE 132MB**	**4**	1460	60	18.1	89.5	89.5	88.5	0.82	6.9	2.9	3.0	360	70
11	**BE 160M**	**4**	1465	72	21.5	91.0	91.3	90.5	0.81	6.5	2.8	2.6	650	99
15	**BE 160L**	**4**	1465	98	28.7	90.8	91.0	90.5	0.83	6.5	2.6	2.3	790	115
18.5	**BE 180M**	**4**	1465	121	35	91.6	92.0	91.3	0.83	6.5	2.6	2.5	1250	135
22	**BE 180L**	**4**	1465	143	41	91.6	91.8	91.4	0.84	6.8	2.7	2.6	1650	157



6 P	1000 min^{-1} - S1	50 Hz - IE2

P_n (kW)		n (min^{-1})	M_n (Nm)	In 400V (A)	η% 100%	η% 75%	η% 50%	cos φ	I_s / I_n	M_s / M_n	M_a / M_n	J_m x 10^{-4} (kgm^2)	IM B5 (Kg)
0.75	**BE 90S 6**	935	7.7	2.06	75.9	75.9	73.0	0.69	5.1	3.1	2.9	33	15
1.1	**BE 100M 6** (*)	945	11.1	2.75	78.1	76.2	73.0	0.74	4.9	2.2	1.9	82	22
1.5	**BE 100LA 6**	945	15.2	3.9	79.8	77.5	74.0	0.72	5.6	2.5	2.3	95	24
2.2	**BE 112M 6**	950	22	5.2	81.8	81.8	79.3	0.74	5.2	2.6	2.3	168	32
3	**BE 132S 6**	955	30	6.6	83.3	83.3	82.4	0.79	6.1	2.1	1.9	295	44
4	**BE 132MA 6**	965	40	8.7	84.6	85.0	83.1	0.79	6.9	2.2	2.0	383	56
5.5	**BE 160MA 6** (*)	965	54	11.6	87.0	87.0	86.4	0.79	6.6	2.5	2.3	740	83
7.5	**BE 160MB 6** (*)	965	74	15.0	88.0	88.0	87.2	0.82	6.6	2.3	2.1	970	103

(*) Relazione potenza/grandezza non unificata

2 P	3000 min^{-1} - S1	50 Hz - IE2

P_n (kW)			n (min^{-1})	M_n (Nm)	In 400V (A)	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} (kgm^2)	IM B9 (Kg)
0.75	**ME 2SA**	**2**	2860	2.5	1.63	80.0	79.6	76.4	0.83	6.8	3.8	3.5	9.0	8.8
1.1	**ME 2SB**	**2**	2845	3.7	2.35	81.5	82.2	79.9	0.83	6.9	3.8	3.1	11.4	10.6
1.5	**ME 3SA**	**2**	2845	5.0	3.2	81.3	79.0	76.0	0.84	6.1	2.9	2.7	24	15.5
2.2	**ME 3LA**	**2**	2895	7.3	4.8	83.2	83.2	81.5	0.80	6.3	2.7	2.5	31	18.7
3	**ME 3LB**	**2**	2880	9.9	6.2	84.6	84.6	83.7	0.83	7.3	3.5	3.1	39	22
4	**ME 4SA**	**2**	2900	13.2	7.8	85.8	84.5	82.2	0.87	7.0	2.9	2.8	101	33
5.5	**ME 4SB**	**2**	2925	18.0	10.6	87.0	85.0	81.7	0.86	8.5	3.6	3.3	145	40
7.5	**ME 4LA**	**2**	2935	24	14.3	88.1	87.4	84.7	0.86	8.8	3.9	3.6	178	51
9.2	**ME 4LB**	**2**	2920	30	16.4	88.8	86.5	84.2	0.91	8.4	3.7	3.3	210	60
11	**ME 5SA**	**2**	2940	36	20.0	89.4	89.5	88.0	0.89	8.1	3.0	2.9	340	70
15	**ME 5SB**	**2**	2950	49	27.2	90.5	90.5	89.5	0.88	8.5	3	2.8	420	83
18.5	**ME 5LA**	**2**	2945	60	32	90.9	90.5	89.8	0.91	7.7	2.9	2.7	490	95

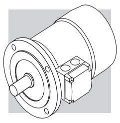
4 P	1500 min^{-1} - S1	50 Hz - IE2

P_n (kW)			n (min^{-1})	M_n (Nm)	In 400V (A)	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} (kgm^2)	IM B9 (Kg)
0.75	**ME 2SB**	**4**	1430	5.0	1.65	81.0	80.5	78.0	0.81	6.1	3.2	3	28	10.9
1.1	**ME 3SA**	**4**	1430	7.4	2.60	82.5	82.0	79.0	0.74	5.5	2.5	2.8	34	15.5
1.5	**ME 3SB**	**4**	1420	10.1	3.48	84.0	84.0	83.0	0.74	6.2	2.9	2.9	40	17
2.2	**ME 3LA**	**4**	1430	14.7	4.89	85.4	85.0	84.0	0.76	5.8	3	2.8	54	21
3	**ME 3LB**	**4**	1420	20	6.58	85.5	86.0	85.5	0.77	5.9	2.8	2.6	61	23
4	**ME 4SA**	**4**	1440	27	8.25	87.5	86.8	84.0	0.80	7.1	3.0	3.1	213	42
5.5	**ME 4SB**	**4**	1460	36	11.07	88.5	88.5	87.5	0.81	7.3	2.9	2.9	270	51
7.5	**ME 4LA**	**4**	1460	49	14.83	89.0	89.0	88.5	0.82	6.9	2.9	2.8	319	57
9.2	**ME 4LB**	**4**	1460	60	18.09	89.5	89.5	88.5	0.82	6.9	2.9	3	360	65
11	**ME 5SA**	**4**	1465	72	21.54	91.0	91.3	90.5	0.81	6.5	2.8	2.6	650	85
15	**ME 5LA**	**4**	1465	98	28.73	90.8	91.0	90.5	0.83	6.5	2.6	2.3	790	101

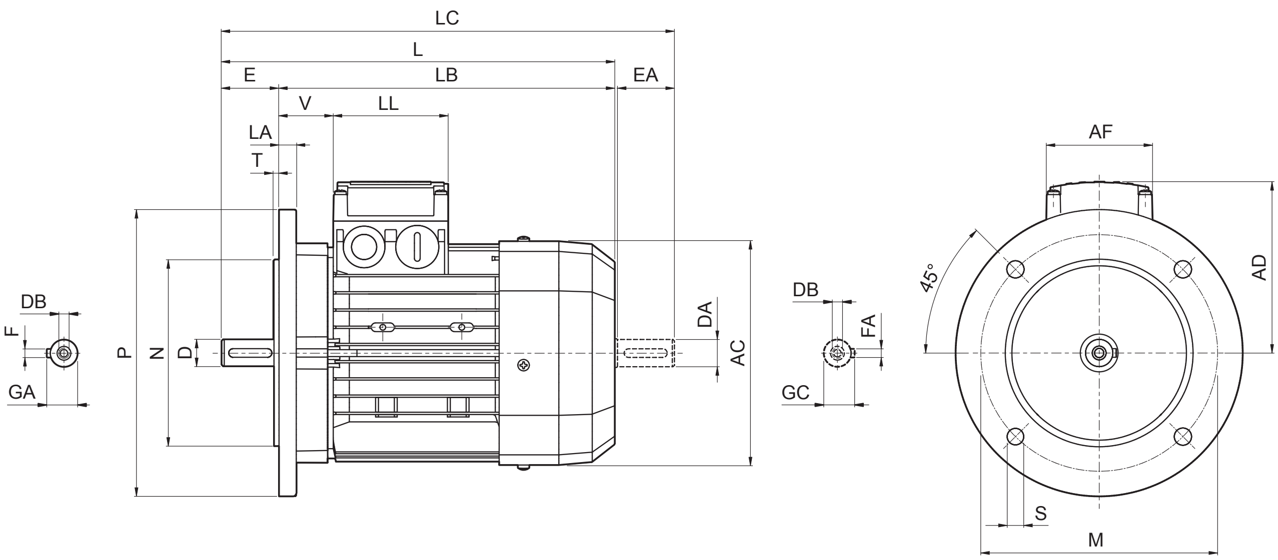
6 P	1000 min^{-1} - S1	50 Hz - IE2

P_n kW			n min^{-1}	M_n Nm	In 400V A	η% 100%	η% 75%	η% 50%	cos φ	I_s/I_n	M_s/M_n	M_a/M_n	J_m x 10^{-4} kgm^2	IM B9 Kg
0.75	**ME 3SA**	**6**	940	7.6	1.98	75.9	75.0	70.7	0.72	4.7	2.2	2.0	33	17
1.1	**ME 3LA**	**6** (*)	945	11.1	2.75	78.1	76.2	73.0	0.74	4.9	2.2	1.9	82	21
1.5	**ME 3LB**	**6**	945	15.2	3.8	79.8	77.5	74.0	0.72	5.6	2.5	2.3	95	23
2.2	**ME 4SA**	**6**	955	22	4.9	81.8	81.8	80.0	0.80	5.7	1.9	1.7	216	34
3	**ME 4SB**	**6**	955	30	6.6	83.3	83.3	82.4	0.79	6.1	2.1	1.9	295	43
4	**ME 4LA**	**6**	965	40	8.6	84.6	85	83.1	0.79	6.9	2.2	2	383	54
5.5	**ME 5SA**	**6** (*)	965	54	11.6	87.0	87.0	86.4	0.79	6.6	2.5	2.3	740	69
7.5	**ME 5SB**	**6** (*)	965	74	15.0	88.0	88.0	87.2	0.82	6.6	2.3	2.1	970	89

(*) Relazione potenza/grandezza non unificata



BE - IM B5



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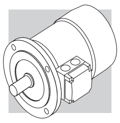
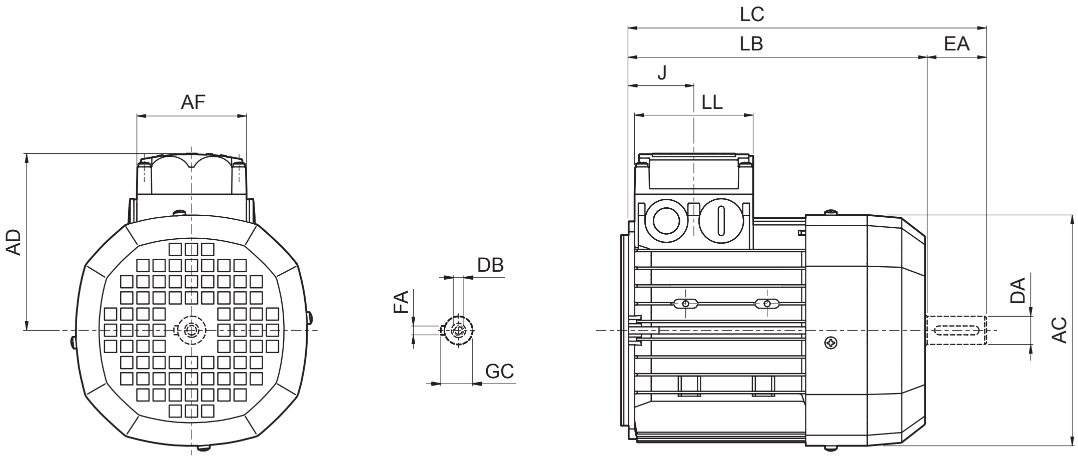
<tr><th rowspan="2"></th><th colspan="5">Albero</th><th colspan="6">Flangia</th><th colspan="8">Motore</th></tr>
<tr><th>D
DA</th><th>E
EA</th><th>DB</th><th>GA
GC</th><th>F
FA</th><th>M</th><th>N</th><th>P</th><th>S</th><th>T</th><th>LA</th><th>AC</th><th>L</th><th>LB</th><th>LC</th><th>AD</th><th>AF</th><th>LL</th><th>V</th></tr>
<tr><td>BE 80</td><td>19</td><td>40</td><td>M6</td><td>21.5</td><td>6</td><td rowspan="3">165</td><td rowspan="3">130</td><td rowspan="3">200</td><td rowspan="3">11.5</td><td rowspan="3">3.5</td><td rowspan="3">11.5</td><td>156</td><td>274</td><td>234</td><td>315</td><td>119</td><td>74</td><td>80</td><td>38</td></tr>
<tr><td>BE 90 S</td><td rowspan="2">24</td><td rowspan="2">50</td><td rowspan="2">M8</td><td rowspan="2">27</td><td rowspan="4">8</td><td rowspan="2">176</td><td rowspan="2">326</td><td rowspan="2">276</td><td rowspan="2">378</td><td rowspan="2">133</td><td rowspan="4">98</td><td rowspan="4">98</td><td rowspan="2">44</td></tr>
<tr><td>BE 90 L</td></tr>
<tr><td>BE 100</td><td rowspan="2">28</td><td rowspan="2">60</td><td rowspan="2">M10</td><td rowspan="2">31</td><td rowspan="2">215</td><td rowspan="2">180</td><td rowspan="2">250</td><td rowspan="5">14</td><td rowspan="5">4</td><td>14</td><td>195</td><td>367</td><td>307</td><td>429</td><td>142</td><td>50</td></tr>
<tr><td>BE 112</td><td>15</td><td>219</td><td>385</td><td>325</td><td>448</td><td>157</td><td>52</td></tr>
<tr><td>BE 132 S</td><td rowspan="3">38</td><td rowspan="3">80</td><td rowspan="3">M12</td><td rowspan="3">41</td><td rowspan="3">10</td><td rowspan="3">265</td><td rowspan="3">230</td><td rowspan="3">300</td><td rowspan="3">16</td><td rowspan="3">258</td><td rowspan="2">493</td><td rowspan="2">413</td><td rowspan="2">576</td><td rowspan="3">193</td><td rowspan="3">118</td><td rowspan="3">118</td><td rowspan="3">58</td></tr>
<tr><td>BE 132 MA</td></tr>
<tr><td>BE 132 MB</td><td>528</td><td>448</td><td>611</td></tr>
<tr><td>BE 160 M</td><td rowspan="2">42
38(1)</td><td rowspan="2">110
80(1)</td><td rowspan="2">M16
M12(1)</td><td rowspan="2">45
41(1)</td><td rowspan="2">12
10(1)</td><td rowspan="4">300</td><td rowspan="4">250</td><td rowspan="4">350</td><td rowspan="4">18.5</td><td rowspan="4">5</td><td rowspan="2">15</td><td rowspan="2">310</td><td>596</td><td>486</td><td>680</td><td rowspan="2">245</td><td rowspan="4">187</td><td rowspan="4">187</td><td>51</td></tr>
<tr><td>BE 160 L</td><td>640</td><td>530</td><td>724</td><td></td></tr>
<tr><td>BE 180 M</td><td rowspan="2">48
42(1)</td><td rowspan="2">110
110(1)</td><td rowspan="2">M16
M16(1)</td><td rowspan="2">51.5
45(1)</td><td rowspan="2">14
12(1)</td><td rowspan="2">18</td><td rowspan="2">348</td><td rowspan="2">708</td><td rowspan="2">598</td><td rowspan="2">823</td><td rowspan="2">261</td><td rowspan="2">52</td></tr>
<tr><td>BE 180 L</td></tr>
</table>

N.B.:
1) Queste dimensioni sono riferite alla seconda estremità d'albero.



ME



BE-ME

	Seconda estremità albero					Motore						
	DA	**EA**	**DB**	**FA**	**GC**	**AC**	**LB**	**LC**	**AF**	**LL**	**J**	**AD**
ME 2S	19	40	M6	6	21.5	156	202	245	74	80	44	119
ME 3S	28	60	M10	8	31	195	230	293	98	98	53.5	142
ME 3L							262	325				
ME 4S	38	80	M12	10	41	258	361	444	118	118	64.5	193
ME 4L												
ME 4LB							396	479				
ME 5S						310	418	502	187	187	77	245
ME 5L							462	546				

2P — 3000 min^{-1} - S1 — 50 Hz

P_n			n	M_n	IE1	η	η	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
						(100%)	(75%)	(50%)		400V				x 10^{-4}				1/h		x 10^{-4}				1/h	x 10^{-4}	
kW			min^{-1}	Nm		%	%	%		A				kgm^2	Kg		Nm	NB	SB	kgm^2	Kg		Nm		kgm^2	Kg
0.18	BN 63A	2	2730	0.63	○	59.9	56.9	51.9	0.77	0.56	3.0	2.1	2.0	2.0	3.5	FD 02	1.75	3900	4800	2.6	5.2	FA 02	1.75	4800	2.6	5.0
0.25	BN 63B	2	2740	0.87	○	66.0	64.8	64.8	0.76	0.72	3.3	2.3	2.3	2.3	3.9	FD 02	1.75	3900	4800	3.0	5.6	FA 02	1.75	4800	3.0	5.4
0.37	BN 63C	2	2800	1.26	○	69.1	66.8	66.8	0.78	0.99	3.9	2.6	2.6	3.3	5.1	FD 02	3.5	3600	4500	3.9	6.8	FA 02	3.5	4500	3.9	6.6
0.37	BN 71A	2	2820	1.25	○	73.8	73.0	70.6	0.76	0.95	4.8	2.8	2.6	3.5	5.4	FD 03	3.5	3000	4100	4.6	8.1	FA 03	3.5	4200	4.6	7.8
0.55	BN 71B	2	2820	1.86	○	76.0	75.8	74.8	0.76	1.37	5.0	2.9	2.8	4.1	6.2	FD 03	5	2900	4200	5.3	8.9	FA 03	5	4200	5.3	8.6
0.75	BN 71C	2	2810	2.6	○	76.6	76.2	76.2	0.76	1.86	5.1	3.1	2.8	5.0	7.3	FD 03	5	1900	3300	6.1	10.0	FA 03	5	3600	6.1	9.7
0.75	BN 80A	2	2810	2.6	•	76.2	75.5	68.3	0.81	1.75	4.8	2.6	2.2	7.8	8.6	FD 04	5	1700	3200	9.4	12.5	FA 04	5	3200	9.4	12.4
1.1	BN 80B	2	2800	3.8	•	76.4	76.2	75.0	0.81	2.57	4.8	2.8	2.4	9.0	9.5	FD 04	10	1500	3000	10.6	13.4	FA 04	10	3000	10.6	13.3
1.5	BN 80C	2	2800	5.1	•	79.1	79.5	77.2	0.81	3.4	4.9	2.7	2.4	11.4	11.3	FD 04	15	1300	2600	13.0	15.2	FA 04	15	2600	13.0	15.1
1.5	BN 90SA	2	2870	5.0	•	82.0	81.5	78.1	0.80	3.4	5.9	2.7	2.6	12.5	12.3	FD 14	15	900	2200	14.1	16.5	FA 14	15	2200	14.1	16.4
1.85	BN 90SB	2	2880	6.1	•	82.5	82.0	75.4	0.80	4.0	6.2	2.9	2.6	16.7	14	FD 14	15	900	2200	18.3	18.2	FA 14	15	2200	18.3	18.1
2.2	BN 90L	2	2880	7.3	•	82.7	82.1	80.8	0.80	4.8	6.3	2.9	2.7	16.7	14	FD 05	26	900	2200	21	20	FA 05	26	2200	21	20.7
3	BN 100L	2	2860	10.0	•	81.5	81.3	77.4	0.79	6.7	5.6	2.6	2.2	31	20	FD 15	26	700	1600	35	26	FA 15	26	1600	35	27
4	BN 100LB	2	2870	13.3	•	83.1	83.0	77.8	0.80	8.7	5.8	2.7	2.5	39	23	FD 15	40	450	900	43	29	FA 15	40	1000	43	30
4	BN 112M	2	2900	13.2	•	85.5	84.5	83.0	0.82	8.2	6.9	3.0	2.9	57	28	FD 06S	40	—	950	66	39	FA 06S	40	950	66	40
5.5	BN 132SA	2	2890	18.2	•	84.7	84.5	81.2	0.84	11.2	5.9	2.6	2.2	101	35	FD 06	50	—	600	112	48	FA 06	50	600	112	49
7.5	BN 132SB	2	2900	25	•	86.5	86.3	84.4	0.85	14.7	6.4	2.6	2.2	145	42	FD 06	50	—	550	154	55	FA 06	50	550	154	56
9.2	BN 132M	2	2930	30	•	87.0	86.5	83.6	0.86	17.7	6.7	2.8	2.3	178	53	FD 56	75	—	430	189	66	FA 06	75	430	189	67
11	BN 160MR	2	2920	36	•	87.6	87.0	86.0	0.88	20.6	6.9	2.9	2.5	210	65											
15	BN 160MB	2	2930	49	•	89.6	89.4	88.0	0.86	28.1	7.1	2.6	2.3	340	84											
18.5	BN 160L	2	2930	60	•	90.4	90.1	89.0	0.86	34	7.6	2.7	2.3	420	97											
22	BN 180M	2	2930	72	•	89.9	89.7	89.5	0.88	40	7.8	2.6	2.4	490	109											
30	BN 200LA	2	2930	98	•	90.7	90.1	87.6	0.89	54	7.8	2.7	2.9	770	140											

○ = n.a. • = IE1

4P — 1500 min^{-1} - S1 — 50 Hz

P_n			n	M_n	IE1	η	η	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
kW			min^{-1}	Nm		(100%) %	(75%) %	(50%) %		400V A				x 10^{-4} kgm^2	Kg		Nm	1/h NB	1/h SB	x 10^{-4} kgm^2	Kg		Nm	1/h	x 10^{-4} kgm^2	Kg
0.06	**BN 56A**	**4**	1340	0.43	○	46.8	44.2	41.3	0.65	0.28	2.6	2.3	2.0	1.5	3.1											
0.09	**BN 56B**	**4**	1350	0.64	○	51.7	47.6	42.9	0.60	0.42	2.6	2.5	2.4	1.5	3.1											
0.12	**BN 63A**	**4**	1350	0.85	○	59.8	56.2	47.0	0.62	0.47	2.6	1.9	1.8	2.0	3.5	**FD 02**	1.75	10000	13000	2.6	5.2	**FA 02**	1.75	13000	2.6	5.0
0.18	**BN 63B**	**4**	1320	1.30	○	54.8	52.9	52.5	0.67	0.71	2.6	2.2	2.0	2.3	3.9	**FD 02**	3.5	10000	13000	3.0	5.6	**FA 02**	3.5	13000	3.0	5.4
0.25	**BN 63C**	**4**	1340	1.78	○	65.3	65.0	57.9	0.69	0.80	2.7	2.1	1.9	3.3	5.1	**FD 02**	3.5	7800	10000	3.9	6.8	**FA 02**	3.5	10000	3.9	6.6
0.25	**BN 71A**	**4**	1380	1.73	○	63.7	62.2	59.1	0.73	0.78	3.3	1.9	1.7	5.8	5.1	**FD 03**	3.5	7700	11000	6.9	7.8	**FA 03**	3.5	11000	6.9	7.5
0.37	**BN 71B**	**4**	1370	2.6	○	66.8	66.7	63.0	0.76	1.05	3.7	2.0	1.9	6.9	5.9	**FD 03**	5	6000	9400	8.0	8.6	**FA 03**	5.0	9400	8.0	8.3
0.55	**BN 71C**	**4**	1380	3.8	○	69.0	68.9	68.8	0.74	1.55	4.1	2.3	2.3	9.1	7.3	**FD 53**	7.5	4300	8700	10.2	10.0	**FA 03**	7.5	8700	10.2	9.7
0.55	**BN 80A**	**4**	1390	3.8	○	72.0	71.3	69.7	0.77	1.43	4.1	2.3	2.0	15	8.2	**FD 04**	10	4100	8000	16.6	12.1	**FA 04**	10	8000	16.6	12.0
0.75	**BN 80B**	**4**	1400	5.1	•	75.0	74.5	69.3	0.78	1.85	4.9	2.7	2.5	20	9.9	**FD 04**	15	4100	7800	22	13.8	**FA 04**	15	7800	22	13.7
1.1	**BN 80C**	**4**	1400	7.5	•	75.5	76.2	70.4	0.78	2.7	5.1	2.8	2.5	25	11.3	**FD 04**	15	2600	5300	27	15.2	**FA 04**	15	5300	27	15.1
1.1	**BN 90S**	**4**	1390	7.6	•	76.5	76.2	72.2	0.77	2.70	4.6	2.6	2.2	21	12.2	**FD 14**	15	4800	8000	23	16.4	**FA 14**	15	8000	23	16.3
1.5	**BN 90LA**	**4**	1410	10.2	•	78.7	78.5	74.9	0.77	3.6	5.3	2.8	2.4	28	13.6	**FD 05**	26	3400	6000	32	19.6	**FA 05**	26	6000	32	20.3
1.85	**BN 90LB**	**4**	1390	12.7	•	78.6	78.9	77.2	0.79	4.3	5.1	2.8	2.6	30	15.1	**FD 05**	26	3200	5900	34	21.1	**FA 05**	26	5900	34	21.8
2.2	**BN 100LA**	**4**	1410	14.9	•	81.1	81.4	79.9	0.75	5.2	4.5	2.2	2.0	40	18	**FD 15**	40	2600	4700	44	25	**FA 15**	40	4700	44	25
3	**BN 100LB**	**4**	1410	20	•	82.6	83.8	83.7	0.77	6.8	5.0	2.3	2.2	54	22	**FD 15**	40	2400	4400	58	28	**FA 15**	40	4400	58	29
4	**BN 112M**	**4**	1430	27	•	84.4	84.2	81.6	0.81	8.4	5.6	2.7	2.5	98	30	**FD 06S**	60	—	1400	107	40	**FA 06S**	60	2100	107	42
5.5	**BN 132S**	**4**	1440	36	•	84.7	84.8	82.5	0.81	11.6	5.5	2.3	2.2	213	44	**FD 56**	75	—	1050	223	57	**FA 06**	75	1200	223	58
7.5	**BN 132MA**	**4**	1440	50	•	86.0	86.3	85.3	0.81	15.5	5.7	2.5	2.4	270	53	**FD 06**	100	—	950	280	66	**FA 07**	100	1000	280	71
9.2	**BN 132MB**	**4**	1440	61	•	88.4	88.6	87.5	0.81	18.8	5.9	2.7	2.5	319	59	**FD 07**	150	—	900	342	75	**FA 07**	150	900	342	77
11	**BN 160MR**	**4**	1440	73	•	87.6	87.8	86.0	0.81	22.4	6.0	2.7	2.5	360	70	**FD 07**	150	—	850	382	86	**FA 07**	150	850	382	88
15	**BN 160L**	**4**	1460	98	•	88.7	88.5	88.4	0.81	30	6.0	2.3	2.1	650	99	**FD 08**	200	—	750	725	129	**FA 08**	200	750	710	128
18.5	**BN 180M**	**4**	1460	121	•	89.3	89.5	89.2	0.81	37	6.2	2.6	2.5	790	115	**FD 08**	250	—	700	865	145	**FA 08**	250	700	850	144
22	**BN 180L**	**4**	1460	144	•	89.9	90.0	90.0	0.80	44	6.4	2.5	2.5	1250	135	**FD 09**	300	—	400	1450	175					
30	**BN 200L**	**4**	1460	196	•	91.4	91.7	91.0	0.80	59	7.1	2.7	2.8	1650	157	**FD 09**	400	—	300	1850	197					

○ = n.a. • = IE1

BN-M

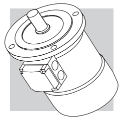
6P	1000 min^{-1} - S1	50 Hz

P_n kW			n min^{-1}	M_n Nm	IE1	η (100%) %	η (75%) %	η (50%) %	cosφ	In 400V A	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4} kgm^2	IM B5 Kg	freno c.c. FD Mod	FD Mb Nm	FD Z_o 1/h NB	FD Z_o 1/h SB	FD J_m x 10^{-4} kgm^2	FD IM B5 Kg	freno c.a. FA Mod	FA Mb Nm	FA Z_o 1/h	FA J_m x 10^{-4} kgm^2	FA IM B5 Kg
0.09	**BN 63A**	**6**	880	0.98	○	41.0	41.0	32.9	0.53	0.60	2.1	2.1	1.8	3.4	4.6	**FD 02**	3.5	9000	14000	4.0	6.3	**FA 02**	3.5	14000	4.0	6.1
0.12	**BN 63B**	**6**	870	1.32	○	45.0	44.0	41.8	0.60	0.64	2.1	1.9	1.7	3.7	4.9	**FD 02**	3.5	9000	14000	4.3	6.6	**FA 02**	3.5	14000	4.3	6.4
0.18	**BN 71A**	**6**	900	1.91	○	55.0	55.5	51.0	0.69	0.68	2.6	1.9	1.7	8.4	5.5	**FD 03**	5	8100	13500	9.5	8.2	**FA 03**	5.0	13500	9.5	7.9
0.25	**BN 71B**	**6**	900	2.70	○	62.0	58.5	51.4	0.71	0.82	2.6	1.9	1.7	10.9	6.7	**FD 03**	5	7800	13000	12	9.4	**FA 03**	5.0	13000	12	9.1
0.37	**BN 71C**	**6**	910	3.9	○	66.0	60.0	53.3	0.69	1.17	3.0	2.4	2.0	12.9	7.7	**FD 53**	7.5	5100	9500	14	10.4	**FA 03**	7.5	9500	14	10.1
0.37	**BN 80A**	**6**	910	3.9	○	68.0	67.4	63.3	0.68	1.15	3.2	2.2	2.0	21	9.9	**FD 04**	10	5200	8500	23	13.8	**FA 04**	10	8500	23	13.7
0.55	**BN 80B**	**6**	920	5.7	○	70.0	69.8	64.3	0.68	1.67	3.9	2.6	2.2	25	11.3	**FD 04**	15	4800	7200	27	15.2	**FA 04**	15	7200	27	15.1
0.75	**BN 80C**	**6**	920	7.8	•	70.0	70.0	64.4	0.65	2.38	3.8	2.5	2.2	28	12.2	**FD 04**	15	3400	6400	30	16.1	**FA 04**	15	6400	30	16.0
0.75	**BN 90S**	**6**	920	7.8	•	70.0	69.0	64.2	0.68	2.27	3.8	2.4	2.2	26	12.6	**FD 14**	15	3400	6500	28	16.8	**FA 14**	15	6500	28	16.7
1.1	**BN 90L**	**6**	920	11.4	•	72.9	72.6	69.1	0.69	3.2	3.9	2.3	2.0	33	15	**FD 05**	26	2700	5000	37	21	**FA 05**	26	5000	37	22
1.5	**BN 100LA**	**6**	940	15.2	•	75.2	74.2	70.3	0.72	4.0	4.1	2.1	2.0	82	22	**FD 15**	40	1900	4100	86	28	**FA 15**	40	4100	86	29
1.85	**BN 100LB**	**6**	930	19.0	•	76.6	72.8	62.6	0.73	4.8	4.6	2.1	2.0	95	24	**FD 15**	40	1700	3600	99	30	**FA 15**	40	3600	99	31
2.2	**BN 112M**	**6**	940	22	•	78.5	79.0	76.5	0.73	5.5	4.8	2.2	2.0	168	32	**FD 06S**	60	—	2100	177	42	**FA 06S**	60	2100	177	44
3	**BN 132S**	**6**	940	30	•	79.7	77.0	75.1	0.76	7.1	5.1	1.9	1.8	216	36	**FD 56**	75	—	1400	226	49	**FA 06**	75	1400	226	50
4	**BN 132MA**	**6**	950	40	•	81.4	81.5	79.5	0.77	9.2	5.5	2.0	1.8	295	45	**FD 06**	100	—	1200	305	58	**FA 07**	100	1200	318	63
5.5	**BN 132MB**	**6**	945	56	•	83.1	80.9	79.1	0.78	12.2	6.1	2.1	1.9	383	56	**FD 07**	150	—	1050	406	72	**FA 07**	150	1050	406	74
7.5	**BN 160M**	**6**	955	75	•	85.0	85.0	84.8	0.81	15.7	5.9	2.2	2.0	740	83	**FD 08**	170	—	900	815	112	**FA 08**	170	900	815	113
11	**BN 160L**	**6**	960	109	•	86.4	86.5	85.9	0.81	22.7	6.6	2.5	2.3	970	103	**FD 08**	200	—	800	1045	133	**FA 08**	200	800	1045	133
15	**BN 180L**	**6**	970	148	•	87.7	88.0	87.3	0.82	30	6.2	2.0	2.4	1550	130	**FD 09**	300	—	600	1750	170					
18.5	**BN 200LA**	**6**	960	184	•	88.6	88.0	87.3	0.81	37	5.9	2.0	2.3	1700	145	**FD 09**	400	—	450	1900	185					

○ = n.a. • = IE1

8P	750 min^{-1} - S1	50 Hz

P_n kW			n min^{-1}	M_n Nm	η %	cosφ	In 400V A	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4} kgm^2	IM B5 Kg	freno c.c. FD Mod	Mb Nm	Z_o 1/h NB	Z_o 1/h SB	J_m x 10^{-4} kgm^2	IM B5 Kg	freno c.a. FA Mod	Mb Nm	Z_o 1/h	J_m x 10^{-4} kgm^2	IM B5 Kg
0.09	**BN 71A**	**8**	680	1.26	47	0.59	0.47	2.3	2.4	2.3	10.9	6.7	**FD 03**	3.5	9000	16000	12.0	9.4	**FA 03**	3.5	16000	12.0	9.1
0.12	**BN 71B**	**8**	680	1.69	51	0.59	0.58	2.1	2.3	2.2	12.9	7.7	**FD 03**	5.0	9000	16000	14.0	10.4	**FA 03**	5.0	16000	14.0	10.1
0.18	**BN 80A**	**8**	690	2.49	51	0.60	0.85	2.4	2.2	2.2	15	8.2	**FD 04**	5.0	6500	11000	16.6	12.1	**FA 04**	5.0	11000	16.6	12.0
0.25	**BN 80B**	**8**	680	3.51	54	0.63	1.06	2.4	2.0	1.9	20	9.9	**FD 04**	10.0	6000	10000	22	13.8	**FA 04**	10.0	10000	23	13.7
0.37	**BN 90S**	**8**	675	5.2	58	0.60	1.53	2.6	2.3	2.1	26	12.6	**FD 14**	15.0	4800	7500	28	16.8	**FA 14**	15.0	7500	28	16.7
0.55	**BN 90L**	**8**	670	7.8	62	0.60	2.13	2.6	2.2	2.0	33	15	**FD 05**	26	4000	6400	37	21	**FA 05**	26	6400	37	22
0.75	**BN 100LA**	**8**	700	10.2	68	0.63	2.53	3.4	1.9	1.7	82	22	**FD 15**	26	2800	4800	86	28	**FA 15**	26	4800	86	29
1.1	**BN 100LB**	**8**	700	15.0	68	0.64	3.65	3.2	1.7	1.7	95	24	**FD 15**	40	2500	4000	99	30	**FA 15**	40	4000	99	31
1.5	**BN 112M**	**8**	710	20.2	71	0.66	4.6	3.7	1.8	1.9	168	32	**FD 06S**	60	—	3000	177	42	**FA 06S**	60	3000	177	44
2.2	**BN 132S**	**8**	710	29.6	75	0.66	6.4	3.8	1.8	2.0	295	45	**FD 56**	75	—	2300	305	58	**FA 06**	75	2300	305	56
3	**BN 132MA**	**8**	710	40.4	76	0.69	8.3	3.9	1.6	1.8	370	53	**FD 06**	100	—	1900	394	69	**FA 07**	100	1900	406	74



2/4P 3000/1500 min^{-1} - S1 50 Hz

P_n			n	M_n	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o 1/h		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
kW			min^{-1}	Nm	%		400V A				x 10^{-4} kgm^2	Kg		Nm	NB	SB	x 10^{-4} kgm^2	Kg		Nm	1/h	x 10^{-4} kgm^2	Kg
0.20	**BN 63B**	**2**	2700	0.71	55	0.82	0.64	3.5	2.1	1.9	2.9	4.4	**FD 02**	3.5	2200	2600	3.5	6.1	**FA 02**	3.5	2600	3.5	5.9
0.15		**4**	1350	1.06	49	0.67	0.66	2.6	1.8	1.7					4000	5100					5100		
0.28	**BN 71A**	**2**	2700	0.99	56	0.82	0.88	2.9	1.9	1.7	4.7	4.4	**FD 03**	3.5	2100	2400	5.8	7.1	**FA 03**	3.5	2400	5.8	6.8
0.20		**4**	1370	1.39	59	0.72	0.68	3.1	1.8	1.7					3800	4800					4800		
0.37	**BN 71B**	**2**	2740	1.29	56	0.82	1.16	3.5	1.8	1.8	5.8	5.1	**FD 03**	5.0	1400	2100	6.9	7.8	**FA 03**	5.0	2100	6.9	7.5
0.25		**4**	1390	1.72	60	0.73	0.82	3.3	2.0	1.9					2900	4200					4200		
0.45	**BN 71C**	**2**	2780	1.55	63	0.85	1.21	3.8	1.8	1.8	6.9	5.9	**FD 03**	5.0	1400	2100	8.0	8.6	**FA 03**	5.0	2100	8.0	8.3
0.30		**4**	1400	2.0	63	0.73	0.94	3.6	2.0	1.9					2900	4200					4200		
0.55	**BN 80A**	**2**	2800	1.9	63	0.85	1.48	3.9	1.7	1.7	15	8.2	**FD 04**	5.0	1600	2300	17	12.1	**FA 04**	5.0	2300	16.6	12.0
0.37		**4**	1400	2.5	67	0.79	1.01	4.1	1.8	1.9					3000	4000					4000		
0.75	**BN 80B**	**2**	2780	2.6	65	0.85	1.96	3.8	1.9	1.8	20	9.9	**FD 04**	10	1400	1600	22	13.8	**FA 04**	10	1600	22	13.7
0.55		**4**	1400	3.8	68	0.81	1.44	3.9	1.7	1.7					2700	3600					3600		
1.1	**BN 90S**	**2**	2790	3.8	71	0.82	2.73	4.7	2.3	2.0	21	12.2	**FD 14**	10	1500	1600	23	16.4	**FA 14**	10	1600	23	16.3
0.75		**4**	1390	5.2	66	0.79	2.08	4.6	2.4	2.2					2300	2800					2800		
1.5	**BN 90L**	**2**	2780	5.2	70	0.85	3.64	4.5	2.4	2.1	28	14.0	**FD 05**	26	1050	1200	32	20	**FA 05**	26	1200	32	21
1.1		**4**	1390	7.6	73	0.81	2.69	4.7	2.5	2.2					1600	2000					2000		
2.2	**BN 100LA**	**2**	2800	7.5	72	0.85	5.2	4.5	2.0	1.9	40	18.3	**FD 15**	26	600	900	44	25	**FA 15**	26	900	44	25
1.5		**4**	1410	10.2	73	0.79	3.8	4.7	2.0	2.0					1300	2300					2300		
3.5	**BN 100LB**	**2**	2850	11.7	80	0.84	7.5	5.4	2.2	2.1	61	25	**FD 15**	40	500	900	65	31	**FA 15**	40	900	65	32
2.5		**4**	1420	16.8	82	0.80	5.5	5.2	2.2	2.2					1000	2100					2100		
4	**BN 112M**	**2**	2880	13.3	79	0.83	8.8	6.1	2.4	2.0	98	30	**FD 06S**	60	—	700	107	40	**FA 06S**	60	700	107	42
3.3		**4**	1420	22.2	80	0.80	7.4	5.1	2.1	2.0					—	1200					1200		
5.5	**BN 132S**	**2**	2890	18.2	80	0.87	11.4	5.9	2.4	2.0	213	44	**FD 56**	75	—	350	223	57	**FA 06**	75	350	223	58
4.4		**4**	1440	29	82	0.84	9.2	5.3	2.2	2.0					—	900					900		
7.5	**BN 132MA**	**2**	2900	25	82	0.87	15.2	6.5	2.4	2.0	270	53	**FD 06**	100	—	350	280	66	**FA 07**	100	350	293	71
6		**4**	1430	40	84	0.85	12.1	5.8	2.3	2.1					—	900					900		
9.2	**BN 132MB**	**2**	2920	30	83	0.86	18.6	6.0	2.6	2.2	319	59	**FD 07**	150	—	300	342	75	**FA 07**	150	300	342	77
7.3		**4**	1440	48	85	0.85	14.6	5.5	2.3	2.1					—	800					800		

2/6P — 3000/1000 min^{-1} - S3 60/40% — 50 Hz

P_n (kW)			n (min^{-1})	M_n (Nm)	η (%)	cosφ	In 400V (A)	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4} (kgm²)	IM B5 (Kg)	freno c.c. FD Mod	Mb (Nm)	Z_o 1/h NB	Z_o 1/h SB	J_m x 10^{-4} (kgm²)	IM B5 (Kg)	freno c.a. FA Mod	Mb (Nm)	Z_o 1/h	J_m x 10^{-4} (kgm²)	IM B5 (Kg)
0.25	**BN 71A**	**2**	2850	0.84	60	0.82	0.73	4.3	1.9	1.8	6.9	5.9	**FD 03**	1.75	1500	1700	8.0	8.6	**FA 03**	2.5	1700	8.0	8.3
0.08		**6**	910	0.84	43	0.70	0.38	2.1	1.4	1.5					10000	13000					13000		
0.37	**BN 71B**	**2**	2880	1.23	62	0.80	1.08	4.4	1.9	1.8	9.1	7.3	**FD 03**	3.5	1000	1300	10.2	10.0	**FA 03**	3.5	1300	10.2	9.7
0.12		**6**	900	1.27	44	0.73	0.54	2.4	1.4	1.5					9000	11000					11000		
0.55	**BN 80A**	**2**	2800	1.88	63	0.86	1.47	4.5	1.9	1.7	20	9.9	**FD 04**	5.0	1500	1800	22	13.8	**FA 04**	5.0	1800	22	13.7
0.18		**6**	930	1.85	52	0.65	0.77	3.3	2.0	1.9					4100	6300					6300		
0.75	**BN 80B**	**2**	2800	2.6	66	0.87	1.89	4.3	1.8	1.6	25	11.3	**FD 04**	5.0	1700	1900	27	15.2	**FA 04**	5.0	1900	27	15.1
0.25		**6**	930	2.6	54	0.67	1.00	3.2	1.7	1.8					3800	6000					6000		
1.10	**BN 90L**	**2**	2860	3.7	67	0.84	2.82	4.7	2.1	1.9	28	14.0	**FD 05**	13	1400	1600	32	20	**FA 05**	13	1600	32	21
0.37		**6**	920	3.8	59	0.71	1.27	3.3	1.6	1.6					3400	5200					5200		
1.5	**BN 100LA**	**2**	2880	5	73	0.84	3.53	5.1	1.9	2.0	40	18.3	**FD 15**	13	1000	1200	44	24	**FA 15**	13	1200	44	25
0.55		**6**	940	5.6	64	0.67	1.85	3.5	1.7	1.8					2900	4000					4000		
2.2	**BN 100LB**	**2**	2900	7.2	77	0.85	4.9	5.9	2.0	2.0	61	25	**FD 15**	26	700	900	65	31	**FA 15**	26	900	65	32
0.75		**6**	950	7.5	67	0.64	2.5	3.3	1.9	1.8					2100	3000					3000		
3	**BN 112M**	**2**	2900	9.9	78	0.87	6.4	6.3	2.0	2.1	98	30	**FD 06S**	40	—	1000	107	40	**FA 06S**	40	1000	107	32
1.1		**6**	950	11.1	72	0.64	3.4	3.9	1.8	1.8					—	2600					2600		
4.5	**BN 132S**	**2**	2910	14.8	78	0.84	9.9	5.8	1.9	1.8	213	44	**FD 56**	37	—	500	223	57	**FA 06**	37	500	223	58
1.5		**6**	960	14.9	74	0.67	4.4	4.2	1.9	2.0					—	2100					2100		
5.5	**BN 132M**	**2**	2920	18.0	78	0.87	11.7	6.2	2.1	1.9	270	53	**FD 56**	50	—	400	280	66	**FA 06**	50	400	280	67
2.2		**6**	960	22	77	0.71	5.8	4.3	2.1	2.0					—	1900					1900		

2/8P — 3000/750 min^{-1} - S3 60/40% — 50 Hz

P_n kW	Motor		n min^{-1}	M_n Nm	η %	cosφ	In 400V A	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4} kgm^2	IM B5 Kg	freno c.c. FD Mod	FD Mb Nm	FD Z_o 1/h NB	FD Z_o 1/h SB	FD J_m x 10^{-4} kgm^2	FD IM B5 Kg	freno c.a. FA Mod	FA Mb Nm	FA Z_o 1/h	FA J_m x 10^{-4} kgm^2	FA IM B5 Kg
0.25	**BN 71A**	**2**	2790	0.86	61	0.87	0.68	3.9	1.8	1.9	10.9	6.7	**FD 03**	1.75	1300	1400	12	9.4	**FA 03**	2.5	1400	12	9.1
0.06		**8**	680	0.84	31	0.61	0.46	2.0	1.8	1.9					10000	13000					13000		
0.37	**BN 71B**	**2**	2800	1.26	63	0.86	0.99	3.9	1.8	1.9	12.9	7.7	**FD 03**	3.5	1200	1300	14	10.4	**FA 03**	3.5	1300	14	10.1
0.09		**8**	670	1.28	34	0.75	0.51	1.8	1.4	1.5					9500	13000					13000		
0.55	**BN 80A**	**2**	2830	1.86	66	0.86	1.40	4.4	2.1	2.0	20	9.9	**FD 04**	5.0	1500	1800	22	13.8	**FA 04**	5.0	1800	22	13.7
0.13		**8**	690	1.80	41	0.64	0.72	2.3	1.6	1.7					5600	8000					8000		
0.75	**BN 80B**	**2**	2800	2.6	68	0.88	1.81	4.6	2.1	2.0	25	11.3	**FD 04**	10	1700	1900	27	15.2	**FA 04**	10	1900	27	15.1
0.18		**8**	690	2.5	43	0.66	0.92	2.3	1.6	1.7					4800	7300					7300		
1.10	**BN 90L**	**2**	2830	3.7	63	0.84	3.00	4.5	2.1	1.9	28	14.0	**FD 05**	13	1400	1600	32	20	**FA 05**	13	1600	32	21
0.28		**8**	690	3.9	48	0.63	1.34	2.4	1.8	1.9					3400	5100					5100		
1.5	**BN 100LA**	**2**	2880	5.0	69	0.85	3.69	4.7	1.9	1.8	40	18.3	**FD 15**	13	1000	1200	44	25	**FA 15**	13	1200	44	25
0.37		**8**	690	5.1	46	0.63	1.84	2.1	1.6	1.6					3300	5000					5000		
2.4	**BN 100LB**	**2**	2900	7.9	75	0.82	5.6	5.4	2.1	2.0	61	25	**FD 15**	26	550	700	65	31	**FA 15**	26	700	65	32
0.55		**8**	700	7.5	54	0.58	2.5	2.6	1.8	1.8					2000	3500					3500		
3	**BN 112M**	**2**	2900	9.9	76	0.87	6.5	6.3	2.1	1.9	98	30	**FD 06S**	40	—	900	107	40	**FA 06S**	40	900	107	42
0.75		**8**	690	10.4	60	0.65	2.8	2.5	1.6	1.6					—	2900					2900		
4	**BN 132S**	**2**	2870	13.3	73	0.84	9.4	5.6	2.3	2.4	213	44	**FD 56**	37	—	500	223	57	**FA 06**	37	500	223	58
1		**8**	690	13.8	66	0.62	3.5	2.9	1.9	1.8					—	3500					3500		
5.5	**BN 132M**	**2**	2870	18.3	75	0.84	12.6	6.1	2.4	2.5	270	53	**FD 06**	50	—	400	280	66	**FA 06**	50	400	280	67
1.5		**8**	690	21	68	0.63	5.1	2.9	1.9	1.9					—	2400					2400		

2/12P — 3000/500 min^{-1} - S3 60/40% — 50 Hz

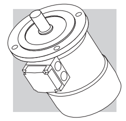
P_n			n	M_n	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
							400V				x 10^{-4}				1/h		x 10^{-4}				1/h	x 10^{-4}	
kW			min^{-1}	Nm	%		A				kgm²	Kg		Nm	NB	SB	kgm²	Kg		Nm		kgm²	Kg
0.55	**BN 80B**	**2**	2820	1.86	64	0.89	1.39	4.2	1.6	1.7	25	11.3	**FD 04**	5.0	1000	1300	27	15.2	**FA 04**	5.0	1300	27	15.1
0.09		**12**	430	2.0	30	0.63	0.69	1.8	1.9	1.8					8000	12000					12000		
0.75	**BN 90L**	**2**	2790	2.6	56	0.89	2.17	4.2	1.8	1.7	26	12.6	**FD 05**	13	1000	1150	30	18.6	**FA 05**	13	1150	30	19.3
0.12		**12**	430	2.7	26	0.63	1.06	1.7	1.4	1.6					4600	6300					6300		
1.10	**BN 100LA**	**2**	2850	3.7	65	0.85	2.87	4.5	1.6	1.8	40	18.3	**FD 15**	13	700	900	44	25	**FA 15**	13	900	44	25
0.18		**12**	430	4.0	26	0.54	1.85	1.5	1.3	1.5					4000	6000					6000		
1.5	**BN 100LB**	**2**	2900	4.9	67	0.86	3.76	5.6	1.9	1.9	54	22	**FD 15**	13	700	900	58	28	**FA 15**	13	900	58	29
0.25		**12**	440	5.4	36	0.46	2.18	1.8	1.7	1.8					3800	5000					5000		
2	**BN 112M**	**2**	2900	6.6	74	0.88	4.43	6.5	2.1	2.0	98	30	**FD 06S**	20	—	800	107	40	**FA 06S**	20	800	107	42
0.3		**12**	460	6.2	46	0.43	2.19	2.0	2.1	2.0					—	3400					3400		
3	**BN 132S**	**2**	2920	9.8	74	0.87	6.7	6.8	2.3	1.9	213	44	**FD 56**	37	—	450	223	57	**FA 06**	37	450	223	58
0.5		**12**	470	10.2	51	0.43	3.3	2.0	1.7	1.6					—	3000					3000		
4	**BN 132M**	**2**	2920	13.1	75	0.89	8.6	5.9	2.4	2.3	270	53	**FD 56**	37	—	400	280	66	**FA 06**	37	400	280	67
0.7		**12**	460	14.5	53	0.44	4.3	1.9	1.7	1.6					—	2800					2800		

4/6P — 1500/1000 min^{-1} - S1 — 50 Hz

P_n			n	M_n	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	Mod	Mb	Z_o		J_m	IM B5	Mod	Mb	Z_o	J_m	IM B5
													freno c.c. FD						freno c.a. FA				
							400V				x 10^{-4}				1/h		x 10^{-4}				1/h	x 10^{-4}	
kW			min^{-1}	Nm	%		A				kgm^2	Kg		Nm	NB	SB	kgm^2	Kg		Nm		kgm^2	Kg
0.22	**BN 71B**	**4**	1410	1.5	64	0.74	0.67	3.9	1.8	1.9	9.1	7.3	**FD 03**	3.5	2500	3500	10.2	10.0	**FA 03**	3.5	3500	10.2	9.7
0.13		**6**	920	1.4	43	0.67	0.65	2.3	1.6	1.7					5000	9000					9000		
0.30	**BN 80A**	**4**	1410	2.0	61	0.82	0.87	3.5	1.3	1.5	15	8.2	**FD 04**	5.0	2500	3100	16.6	12.1	**FA 04**	5.0	3100	16.6	12.0
0.20		**6**	930	2.1	54	0.66	0.81	3.2	1.9	2.0					4000	6000					6000		
0.40	**BN 80B**	**4**	1430	2.7	63	0.75	1.22	3.9	1.8	1.8	20	9.9	**FD 04**	10	1800	2300	22	13.8	**FA 04**	10	2300	22	13.7
0.26		**6**	930	2.7	55	0.70	0.97	2.7	1.5	1.6					3600	5500					5500		
0.55	**BN 90S**	**4**	1420	3.7	70	0.78	1.45	4.5	2.0	1.9	21	12.2	**FD 14**	10	1500	2100	23	16.1	**FA 14**	10	2100	23	16.3
0.33		**6**	930	3.4	62	0.70	1.10	3.7	2.3	2.0					2500	4100					4100		
0.75	**BN 90L**	**4**	1420	5.0	74	0.78	1.88	4.3	1.9	1.8	28	14	**FD 05**	13	1400	2000	32	20	**FA 05**	13	2000	32	21
0.45		**6**	920	4.7	66	0.71	1.39	3.3	2.0	1.9					2300	3600					3600		
1.1	**BN 100LA**	**4**	1450	7.2	74	0.79	2.72	5.0	1.7	1.9	82	22	**FD 15**	26	1400	2000	86	28	**FA 15**	26	2000	86	29
0.8		**6**	950	8.0	65	0.69	2.57	4.1	1.9	2.1					2100	3300					3300		
1.5	**BN 100LB**	**4**	1450	9.9	75	0.79	3.65	5.1	1.7	1.9	95	25	**FD 15**	26	1300	1800	99	31	**FA 15**	26	1800	99	32
1.1		**6**	950	11.1	72	0.68	3.24	4.3	2.0	2.1					2000	3000					3000		
2.3	**BN 112M**	**4**	1450	15.2	75	0.78	5.7	5.2	1.8	1.9	168	32	**FD 06S**	40	—	1600	177	42	**FA 06S**	40	1600	177	44
1.5		**6**	960	14.9	73	0.72	4.1	4.9	2.0	2.0					—	2400					2400		
3.1	**BN 132S**	**4**	1460	20	83	0.83	6.5	5.9	2.1	2.0	213	44	**FD 56**	37	—	1200	223	57	**FA 06**	37	1200	223	58
2		**6**	960	20	77	0.75	4.9	4.5	2.1	2.1					—	1900					1900		
4.2	**BN 132MA**	**4**	1460	27	84	0.82	8.8	5.9	2.1	2.2	270	53	**FD 06**	50	—	900	280	66	**FA 06**	50	900	280	67
2.6		**6**	960	26	79	0.72	6.6	4.3	2.0	2.0					—	1500					1500		

4/8P — 1500/750 min^{-1} - S1 — 50 Hz

P_n			n	M_n	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
kW			min^{-1}	Nm	%		400V A				x 10^{-4} kgm^2	Kg		Nm	1/h NB	1/h SB	x 10^{-4} kgm^2	Kg		Nm	1/h	x 10^{-4} kgm^2	Kg
0.37	**BN 80A**	**4**	1400	2.5	63	0.82	1.03	3.3	1.4	1.4	15	8.2	**FD 04**	10	2300	3500	16.6	12.1	**FA 04**	10	3500	16.6	12.0
0.18		**8**	690	2.5	44	0.60	0.98	2.2	1.5	1.6					4500	7000					7000		
0.55	**BN 80B**	**4**	1390	3.8	65	0.86	1.42	3.8	1.7	1.6	20	9.9	**FD 04**	10	2200	2900	22	13.8	**FA 04**	10	2900	22	13.7
0.30		**8**	670	4.3	49	0.65	1.36	2.3	1.7	1.8					4200	6500					6500		
0.65	**BN 90S**	**4**	1390	4.5	73	0.85	1.51	4.0	1.9	1.9	28	13.6	**FD 14**	15	2300	2800	30	17.8	**FA 14**	15	2800	30	17.7
0.35		**8**	690	4.8	49	0.57	1.81	2.5	2.1	2.2					3500	6000					6000		
0.9	**BN 90L**	**4**	1370	6.3	73	0.87	2.05	3.8	1.8	1.8	30	15.1	**FD 05**	26	1700	2100	34	21	**FA 05**	26	2100	34	22
0.5		**8**	670	7.1	57	0.62	2.04	2.4	2.1	2.0					2500	4200					4200		
1.30	**BN 100LA**	**4**	1420	8.7	72	0.83	3.14	4.3	1.7	1.8	82	22	**FD 15**	40	1300	1700	86	28	**FA 15**	40	1700	86	29
0.70		**8**	700	9.6	58	0.64	2.72	2.8	1.8	1.8					2000	3400					3400		
1.8	**BN 100LB**	**4**	1420	12.1	69	0.87	4.3	4.2	1.6	1.7	95	25	**FD 15**	40	1200	1700	99	31	**FA 15**	40	1700	99	32
0.9		**8**	700	12.3	62	0.63	3.3	3.2	1.7	1.8					1600	2600					2600		
2.2	**BN 112M**	**4**	1440	14.6	77	0.85	4.9	5.3	1.8	1.8	168	32	**FD 06S**	60	—	1200	177	42	**FA 06S**	60	1200	177	43
1.2		**8**	710	16.1	70	0.63	3.9	3.3	1.9	1.8					—	2000					2000		
3.6	**BN 132S**	**4**	1440	24	80	0.82	7.9	6.5	2.1	1.9	295	45	**FD 56**	75	—	1000	305	58	**FA 06**	75	1000	305	59
1.8		**8**	720	24	72	0.55	6.6	4.6	1.9	2.0					—	1400					1400		
4.6	**BN 132M**	**4**	1450	30	81	0.83	9.9	6.5	2.2	1.9	383	56	**FD 06**	100	—	1000	393	69	**FA 07**	100	1000	406	74
2.3		**8**	720	31	73	0.54	8.4	4.4	2.3	2.0					—	1300					1300		



2P — 3000 min⁻¹ - S1 — 50 Hz

P_n			n	M_n	IE1	η (100%)	η (75%)	η (50%)	cosφ	In 400V	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4}	IM B5	freno c.c. FD Mod	Mb	Z_o 1/h NB	Z_o 1/h SB	J_m x 10^{-4}	IM B5	freno c.a. FA Mod	Mb	Z_o 1/h	J_m x 10^{-4}	IM B5
kW			min^{-1}	Nm		%	%	%		A				kgm^2	Kg		Nm			kgm^2	Kg		Nm		kgm^2	Kg
0.18	**M 05A**	**2**	2730	0.63	○	59.9	56.9	51.9	0.77	0.56	3.0	2.1	2.0	2.0	3.2	**FD 02**	1.75	3900	4800	2.6	4.9	**FA 02**	1.75	4800	2.6	4.7
0.25	**M 05B**	**2**	2740	0.87	○	66.0	64.8	64.8	0.76	0.72	3.3	2.3	2.3	2.3	3.6	**FD 02**	1.75	3900	4800	3.0	5.3	**FA 02**	1.75	4800	3.0	5.1
0.37	**M 05C**	**2**	2800	1.26	○	69.1	66.8	66.8	0.78	0.99	3.9	2.6	2.6	3.3	4.8	**FD 02**	3.5	3600	4500	3.9	6.5	**FA 02**	3.5	4500	3.9	6.3
0.55	**M 1SD**	**2**	2820	1.86	○	76.0	75.8	74.8	0.76	1.37	5.0	2.9	2.8	4.1	5.8	**FD 03**	5	2900	4200	5.3	8.5	**FA 03**	5	4200	5.3	8.2
0.75	**M 1LA**	**2**	2810	2.6	○	76.6	76.2	76.2	0.76	1.86	5.1	3.1	2.8	5.0	6.9	**FD 03**	5	1900	3300	6.1	9.6	**FA 03**	5	3300	6.1	9.3
1.1	**M 2SA**	**2**	2800	3.8	•	76.4	76.2	75.0	0.81	2.57	4.8	2.8	2.4	9.0	8.8	**FD 04**	10	1500	3000	10.6	11.9	**FA 04**	10	3000	10.6	12.6
1.5	**M 2SB**	**2**	2800	5.1	•	79.1	79.5	77.2	0.81	3.4	4.9	2.7	2.4	11.4	10.6	**FD 04**	15	1300	2600	13.0	9.9	**FA 04**	15	2600	13.0	14.4
2.2	**M 3SA**	**2**	2880	7.3	•	82.7	82.1	81.0	0.80	4.8	6.3	2.9	2.7	24	15.5	**FD 15**	26	1100	2400	28	22	**FA 15**	26	2400	28	23
3	**M 3LA**	**2**	2860	10.0	•	81.5	81.3	77.4	0.79	6.7	5.6	2.6	2.2	31	18.7	**FD 15**	26	700	1600	35	25	**FA 15**	26	1600	35	26
4	**M 3LB**	**2**	2870	13.3	•	83.1	83.0	77.8	0.80	8.7	5.8	2.7	2.5	39	22	**FD 15**	40	450	900	43	28	**FA 15**	40	900	43	29
5.5	**M 4SA**	**2**	2890	18.2	•	84.7	84.5	81.2	0.84	11.2	5.9	2.6	2.2	101	33	**FD 06**	50	—	600	112	46	**FA 06**	50	600	112	47
7.5	**M 4SB**	**2**	2900	25	•	86.5	86.3	84.4	0.85	14.7	6.4	2.6	2.2	145	40	**FD 06**	50	—	550	154	53	**FA 06**	50	550	154	54
9.2	**M 4LA**	**2**	2930	30	•	87.0	86.5	83.6	0.86	17.7	6.7	2.8	2.3	178	51	**FD 56**	75	—	430	189	64	**FA 06**	75	430	189	65
11	**M 4LC**	**2**	2920	36	•	87.6	87.0	86.0	0.88	20.6	6.9	2.9	2.5	210	60											
15	**M 5SB**	**2**	2930	49	•	89.6	89.4	88.0	0.86	28.1	7.1	2.6	2.3	340	70											
18.5	**M 5SC**	**2**	2930	60	•	90.4	90.1	89.0	0.86	34	7.6	2.7	2.3	420	83											
22	**M 5LA**	**2**	2930	72	•	89.9	89.7	89.5	0.88	40	7.8	2.6	2.4	490	95											

○ = n.a. • = IE1

4P — 1500 min^{-1} - S1 — 50 Hz

P_n			n	M_n	IE1	η	η	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
						(100%)	(75%)	(50%)		400V				x 10^{-4}				1/h		x 10^{-4}				1/h	x 10^{-4}	
kW			min^{-1}	Nm		%	%	%		A				kgm^2	Kg		Nm	NB	SB	kgm^2	Kg		Nm		kgm^2	Kg
0.09	**M 0B**	4	1350	0.64	○	51.7	47.6	42.9	0.60	0.42	2.6	2.5	2.4	1.5	2.9											
0.12	**M 05A**	4	1350	0.85	○	59.8	56.2	47.0	0.62	0.47	2.6	1.9	1.8	2.0	3.2	**FD 02**	1.75	10000	13000	2.6	4.9	**FA 02**	1.75	13000	2.6	4.7
0.18	**M 05B**	4	1320	1.30	○	54.8	52.9	52.5	0.67	0.71	2.6	2.2	2.0	2.3	3.6	**FD 02**	3.5	10000	13000	3.0	5.3	**FA 02**	3.5	13000	3.0	5.1
0.25	**M 05C**	4	1340	1.78	○	65.3	65.0	57.9	0.69	0.80	2.7	2.1	1.9	3.3	4.8	**FD 02**	3.5	7800	10000	3.9	6.5	**FA 02**	3.5	10000	3.9	6.3
0.37	**M 1SD**	4	1370	2.6	○	66.8	66.7	63.0	0.76	1.05	3.7	2.0	1.9	6.9	5.5	**FD 03**	5	6000	9400	8.0	8.2	**FA 03**	5	9400	8.0	7.9
0.55	**M 1LA**	4	1380	3.8	○	69.0	68.9	68.8	0.74	1.55	4.1	2.3	2.3	9.1	6.9	**FD 53**	7.5	4300	8700	10.2	9.6	**FA 03**	7.5	8700	10.2	9.3
0.75	**M 2SA**	4	1400	5.1	•	75.0	74.5	69.3	0.78	1.85	4.9	2.7	2.5	20	9.2	**FD 04**	15	4100	7800	22	13.1	**FA 04**	15	7800	22	13.0
1.1	**M 2SB**	4	1400	7.5	•	76.4	76.2	70.4	0.78	2.66	5.1	2.8	2.5	25	10.6	**FD 04**	15	2600	5300	27	14.5	**FA 04**	15	5300	27	14.4
1.5	**M 3SA**	4	1410	10.2	•	79.6	80.5	79.3	0.77	3.5	4.6	2.1	2.1	34	15.5	**FD 15**	26	2800	4900	38	22	**FA 15**	26	4900	38	23
2.2	**M 3LA**	4	1410	14.9	•	81.1	81.4	79.9	0.75	5.2	4.5	2.2	2.0	40	17	**FD 15**	40	2600	4700	44	24	**FA 15**	40	4700	44	24
3	**M 3LB**	4	1410	20	•	82.6	83.8	83.7	0.77	6.8	5.0	2.3	2.2	54	21	**FD 15**	40	2400	4400	58	27	**FA 15**	40	4400	58	28
4	**M 3LC**	4	1400	27	○	82.7	83.1	80.5	0.78	9.0	4.7	2.3	2.2	61	23	**FD 55**	55	—	1300	65	29	**FA 15**	40	1300	65	30
5.5	**M 4SA**	4	1440	36	•	84.7	84.8	82.5	0.81	11.6	5.5	2.3	2.2	213	42	**FD 56**	75	—	1050	223	55	**FA 06**	75	1050	223	56
7.5	**M 4LA**	4	1440	50	•	86.0	86.3	85.3	0.81	15.5	5.7	2.5	2.4	270	51	**FD 06**	100	—	950	280	64	**FA 07**	100	950	280	65
9.2	**M 4LB**	4	1440	61	•	88.4	88.6	87.5	0.81	18.8	5.9	2.7	2.5	319	57	**FD 07**	150	—	900	342	73	**FA 07**	150	900	342	75
11	**M 4LC**	4	1440	73	•	87.6	87.8	86.0	0.81	22.4	6.0	2.7	2.5	360	65	**FD 07**	150	—	850	382	81	**FA 07**	150	850	382	83
15	**M 5SB**	4	1460	98	•	88.7	88.5	88.4	0.81	30.1	6.0	2.3	2.1	650	85	**FD 08**	200	—	750	725	115	**FA 08**	200	750	710	114
18.5	**M 5LA**	4	1460	121	•	89.3	89.5	89.2	0.81	37	6.2	2.6	2.5	790	101	**FD 08**	250	—	700	865	131	**FA 08**	250	700	850	130

○ = n.a. • = IE1

BN-M

6P — 1000 min⁻¹ - S1 — 50 Hz

P_n	Motor		n	M_n	IE1	η (100%)	η (75%)	η (50%)	cosφ	In 400V	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4}	IM B5	freno c.c. FD Mod	Mb	Z_o 1/h NB	Z_o 1/h SB	J_m x 10^{-4}	IM B5	freno c.a. FA Mod	Mb	Z_o 1/h	J_m x 10^{-4}	IM B5
kW			min^{-1}	Nm		%	%	%		A				kgm²	Kg		Nm	NB	SB	kgm²	Kg		Nm		kgm²	Kg
0.09	**M 05A**	**6**	880	0.98	○	41.0	41.0	32.9	0.53	0.60	2.1	2.1	1.8	3.4	4.3	**FD 02**	3.5	9000	14000	4.0	6.0	**FA 02**	3.5	14000	4.0	5.8
0.12	**M 05B**	**6**	870	1.32	○	45.0	44.0	41.8	0.60	0.64	2.1	1.9	1.7	3.7	4.6	**FD 02**	3.5	9000	14000	4.3	6.3	**FA 02**	3.5	14000	4.3	6.1
0.18	**M 1SC**	**6**	900	1.91	○	55.0	55.5	51.0	0.69	0.68	2.6	1.9	1.7	8.4	5.1	**FD 03**	5	8100	13500	9.5	7.8	**FA 03**	5	13500	9.5	7.5
0.25	**M 1SD**	**6**	900	2.7	○	62.0	58.5	51.4	0.71	0.82	2.6	1.9	1.7	10.9	6.3	**FD 03**	5	7800	13000	12	9.0	**FA 03**	5	13000	12	8.7
0.37	**M 1LA**	**6**	910	3.9	○	66.0	60.0	53.3	0.69	1.17	3.0	2.4	2.0	12.9	7.3	**FD 53**	7.5	5100	9500	14	10.0	**FA 03**	7.5	9500	14	9.7
0.55	**M 2SA**	**6**	920	5.7	○	70.0	69.8	64.3	0.68	1.67	3.9	2.6	2.2	25	10.6	**FD 04**	15	4800	7200	27	14.5	**FA 04**	15	7200	27	14.4
0.75	**M 2SB**	**6**	920	7.8	•	70.0	70.0	64.4	0.65	2.38	3.8	2.5	2.2	28	11.5	**FD 04**	15	3400	6400	30	15.4	**FA 04**	15	6400	30	15.3
1.1	**M 3SA**	**6**	920	11.4	•	75.0	74.0	72.0	0.72	2.9	4.3	2.0	1.8	33	17	**FD 15**	26	2700	5000	37	23	**FA 15**	26	5000	37	24
1.5	**M 3LA**	**6**	940	15.2	•	75.2	74.2	70.3	0.72	4.0	4.1	2.1	2.0	82	21	**FD 15**	40	1900	4100	86	27	**FA 15**	40	4100	86	28
1.85	**M 3LB**	**6**	930	19.0	•	76.6	72.8	62.6	0.73	4.8	4.6	2.1	2.0	95	23	**FD 15**	40	1700	3600	99	29	**FA 15**	40	3600	99	30
2.2	**M 3LC**	**6**	930	23	•	77.7	76.8	72.4	0.71	5.8	4.7	2.3	2.1	95	23	**FD 55**	55	—	1900	99	29	**FA 15**	55	1900	99	30
3	**M 4SA**	**6**	940	30	•	79.7	77.0	75.1	0.76	7.1	5.1	1.9	1.8	216	34	**FD 56**	75	—	1400	226	47	**FA 06**	75	1400	226	48
4	**M 4LA**	**6**	950	40	•	81.4	81.5	79.5	0.77	9.2	5.5	2.0	1.8	295	43	**FD 06**	100	—	1200	305	56	**FA 07**	100	1200	305	57
5.5	**M 4LB**	**6**	945	56	•	83.1	80.9	79.1	0.78	12.2	6.1	2.1	1.9	383	54	**FD 07**	150	—	1050	406	70	**FA 07**	150	1050	406	72
7.5	**M 5SA**	**6**	955	75	•	85.0	85.0	84.8	0.81	15.7	5.9	2.2	2.0	740	69	**FD 08**	170	—	900	815	98	**FA 08**	170	900	800	98
11	**M 5SB**	**6**	960	109	•	86.4	86.5	85.9	0.81	22.7	6.6	2.5	2.3	970	89	**FD 08**	200	—	800	1045	119	**FA 08**	200	800	1030	118

○ = n.a. • = IE1

2/4P — 3000/1500 min^{-1} - S1 — 50 Hz

P_n			n	M_n	η	cosφ	In	Is/In	Ms/Mn	Ma/Mn	J_m	IM B5	freno c.c. FD Mod	Mb	Z_o		J_m	IM B5	freno c.a. FA Mod	Mb	Z_o	J_m	IM B5
kW			min^{-1}	Nm	%		400V A				x 10^{-4} kgm^2	Kg		Nm	1/h NB	SB	x 10^{-4} kgm^2	Kg		Nm	1/h	x 10^{-4} kgm^2	Kg
0.20	**M 05A**	**2**	2700	0.71	55	0.82	0.64	3.5	2.1	1.9	2.9	4.1	**FD 02**	3.5	2200	2600	3.5	5.8	**FA 02**	3.5	2600	3.5	5.6
0.15		**4**	1350	1.06	49	0.67	0.66	2.6	1.8	1.7					4000	5100					5100		
0.28	**M 1SB**	**2**	2700	0.99	56	0.82	0.88	2.9	1.9	1.7	4.7	4.0	**FD 03**	3.5	2100	2400	5.8	6.7	**FA 03**	3.5	2400	5.8	6.4
0.20		**4**	1370	1.39	59	0.68	1.02	3.1	1.8	1.7					3800	4800					4800		
0.37	**M 1SC**	**2**	2740	1.29	56	0.82	1.16	3.5	1.8	1.8	5.8	4.7	**FD 03**	5	1400	2100	6.9	7.4	**FA 03**	5	2100	6.9	7.1
0.25		**4**	1390	1.72	60	0.73	0.82	3.3	2.0	1.9					2900	4200					4200		
0.45	**M 1SD**	**2**	2780	1.55	63	0.85	1.21	3.8	1.8	1.8	6.9	5.5	**FD 03**	5	1400	2100	8.0	8.2	**FA 03**	5	2100	8.0	7.9
0.30		**4**	1400	2.0	63	0.74	0.93	3.8	2.1	1.9					2900	4200					4200		
0.55	**M 1LA**	**2**	2800	1.9	73	0.79	1.38	4.2	2.0	1.8	9.1	6.9	**FD 03**	5	1600	2200	10.2	9.6	**FA 03**	5	2200	10.2	9.3
0.37		**4**	1400	2.5	68	0.72	1.09	3.9	2.2	2.0					3300	4600					4600		
0.75	**M 2SA**	**2**	2780	2.6	65	0.85	1.96	3.8	1.9	1.8	20	9.2	**FD 04**	10	1400	1600	22	13.1	**FA 04**	10	1600	22	13.0
0.55		**4**	1400	3.8	68	0.81	1.44	3.9	1.7	1.7					2700	3600					3600		
1.1	**M 2SB**	**2**	2730	3.9	65	0.86	2.84	3.9	2.0	1.9	25	10.7	**FD 04**	10	1200	1500	27	14.5	**FA 04**	10	1500	27	14.5
0.75		**4**	1410	5.1	75	0.81	1.78	4.5	2.1	2.0					2300	3100					3100		
1.5	**M 3SA**	**2**	2830	5.1	74	0.83	3.5	4.7	2.1	2.0	34	15.5	**FD 15**	26	700	1000	38	22	**FA 15**	26	1000	38	23
1.1		**4**	1420	7.4	77	0.78	2.6	4.3	2.1	2.0					1600	2600					2600		
2.2	**M 3LA**	**2**	2800	7.5	72	0.85	5.2	4.5	2.0	1.9	40	17	**FD 15**	26	600	900	44	24	**FA 15**	26	900	44	24
1.5		**4**	1410	10.2	73	0.79	3.8	4.7	2.0	2.0					1300	2300					2300		
3.5	**M 3LB**	**2**	2850	11.7	80	0.84	7.5	5.4	2.2	2.1	61	23	**FD 15**	40	500	900	65	29	**FA 15**	40	900	65	30
2.5		**4**	1420	16.8	82	0.80	5.5	5.2	2.2	2.2					1000	2100					2100		
4.8	**M 4 SA**	**2**	2900	15.8	81	0.88	9.7	6.0	2.0	1.9	213	42	**FD 06**	50	—	400	233	55	**FA 06**	50	400	233	56
3.8		**4**	1430	25.4	81	0.84	8.1	5.2	2.1	2.1					—	950					950		
5.5	**M 4SB**	**2**	2890	18.2	80	0.87	11.4	5.9	2.4	2.0	213	42	**FD 56**	75	—	350	223	55	**FA 06**	75	350	223	56
4.4		**4**	1440	29	82	0.84	9.2	5.3	2.2	2.0					—	900					900		
7.5	**M 4LA**	**2**	2900	25	82	0.87	15.2	6.5	2.4	2.0	270	51	**FD 06**	100	—	350	280	64	**FA 07**	100	350	280	65
6		**4**	1430	40	84	0.85	12.1	5.8	2.3	2.1					—	950					950		
9.2	**M 4LB**	**2**	2920	30	83	0.86	18.6	6.0	2.6	2.2	319	57	**FD 07**	150	—	300	342	73	**FA 07**	150	300	342	75
7.3		**4**	1440	48	85	0.85	14.6	5.5	2.3	2.1					—	800					800		

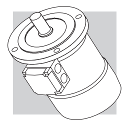
BN-M

2/6P — $3000/1000\ min^{-1}$ - S3 60/40% — 50 Hz

													freno c.c. FD						freno c.a. FA				
P_n kW			n min^{-1}	M_n Nm	η %	cosφ	In 400V A	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4} kgm²	IM B5 Kg	Mod	Mb Nm	Z_o 1/h NB	Z_o 1/h SB	J_m x 10^{-4} kgm²	IM B5 Kg	Mod	Mb Nm	Z_o 1/h	J_m x 10^{-4} kgm²	IM B5 Kg
0.25	**M 1SA**	**2**	2850	0.84	60	0.82	0.73	4.3	1.9	1.8	6.9	5.5	**FD 03**	1.75	1500	1700	8.0	8.2	**FA 03**	1.75	1700	8.0	7.9
0.08		**6**	910	0.84	43	0.70	0.38	2.1	1.4	1.5					10000	13000					13000		
0.37	**M 1LA**	**2**	2880	1.23	62	0.80	1.08	4.4	1.9	1.8	9.1	6.9	**FD 03**	3.5	1000	1300	10.2	9.6	**FA 03**	3.5	1300	10.2	9.3
0.12		**6**	900	1.27	44	0.73	0.54	2.4	1.4	1.5					9000	11000					11000		
0.55	**M 2SA**	**2**	2800	1.88	63	0.86	1.47	4.5	1.9	1.7	20	9.2	**FD 04**	5	1500	1800	22	13.1	**FA 04**	5	1800	22	13.0
0.18		**6**	930	1.85	52	0.65	0.77	3.3	2.0	1.9					4100	6300					6300		
0.75	**M 2SB**	**2**	2800	2.6	66	0.87	1.89	4.3	1.8	1.6	25	10.6	**FD 04**	5	1700	1900	27	14.5	**FA 04**	5	1900	27	14.4
0.25		**6**	930	2.6	54	0.67	1.00	3.2	1.7	1.8					3800	6000					6000		
1.1	**M 3SA**	**2**	2870	3.7	71	0.82	2.73	4.9	1.8	1.9	34	15.5	**FD 15**	13	1000	1300	38	22	**FA 15**	13	1300	38	23
0.37		**6**	930	3.8	63	0.70	1.21	3.1	1.5	1.8					3500	5000					5000		
1.5	**M 3LA**	**2**	2880	5.0	73	0.84	3.53	5.1	1.9	2.0	40	17	**FD 15**	13	1000	1200	44	24	**FA 15**	13	1200	44	24
0.55		**6**	940	5.6	64	0.67	1.85	3.5	1.7	1.8					2900	4000					4000		
2.2	**M 3LB**	**2**	2900	7.2	77	0.85	4.9	5.9	2.0	2.0	61	23	**FD 15**	26	700	900	65	29	**FA 15**	26	900	65	30
0.75		**6**	950	7.5	67	0.64	2.5	3.3	1.9	1.8					2100	3000					3000		
3	**M 4SA**	**2**	2910	9.9	74	0.88	6.6	5.6	2.0	2.1	170	36	**FD 56**	37	—	600	182	48	**FA 06**	37	600	182	50
1.1		**6**	960	10.9	73	0.68	3.2	4.5	2.2	2.0					—	2200					2200		
4.5	**M 4SB**	**2**	2910	14.8	78	0.84	9.9	5.8	1.9	1.8	213	42	**FD 56**	37	—	500	223	55	**FA 06**	37	500	223	56
1.5		**6**	960	14.9	74	0.67	4.4	4.2	1.9	2.0					—	2100					2100		
5.5	**M 4LA**	**2**	2920	18.0	78	0.87	11.7	6.2	2.1	1.9	270	51	**FD 06**	50	—	400	280	64	**FA 06**	50	400	280	65
2.2		**6**	960	22	77	0.71	5.8	4.3	2.1	2.0					—	1900					1900		

2/8P — 3000/750 min⁻¹ - S3 60/40% — 50 Hz

P_n kW			n min⁻¹	M_n Nm	η %	cosφ	In 400V A	Is/In	Ms/Mn	Ma/Mn	J_m x 10⁻⁴ kgm²	IM B5 Kg	FD (freno c.c.) Mod	Mb Nm	Z_o 1/h NB	Z_o 1/h SB	J_m x 10⁻⁴ kgm²	IM B5 Kg	FA (freno c.a.) Mod	Mb Nm	Z_o 1/h	J_m x 10⁻⁴ kgm²	IM B5 Kg
0.37	**M 1LA**	**2**	2800	1.26	63	0.86	0.99	3.9	1.8	1.9	12.9	7.3	**FD 03**	3.5	1200	1300	14	10.0	**FA 03**	3.5	1300	14	9.7
0.09		**8**	670	1.28	34	0.75	0.51	1.8	1.4	1.5					9500	13000					13000		
0.55	**M 2SA**	**2**	2830	1.86	66	0.86	1.40	4.4	2.1	2.0	20	9.2	**FD 04**	5	1500	1800	22	13.1	**FA 04**	5	1800	22	13.0
0.13		**8**	690	1.80	41	0.64	0.72	2.3	1.6	1.7					5600	8000					8000		
0.75	**M 2SB**	**2**	2800	2.6	68	0.88	1.81	4.6	2.1	2.0	25	10.6	**FD 04**	10	1700	1900	27	14.5	**FA 04**	10	1900	27	14.4
0.18		**8**	690	2.5	43	0.66	0.92	2.3	1.6	1.7					4800	7300					7300		
1.1	**M 3SA**	**2**	2870	3.7	69	0.84	2.74	4.6	1.8	1.7	34	15.5	**FD 15**	13	1000	1300	38	22	**FA 15**	13	1300	38	23
0.28		**8**	690	3.9	44	0.56	1.64	2.3	1.4	1.7					3400	5000					5000		
1.5	**M 3LA**	**2**	2880	5.0	69	0.85	3.69	4.7	1.9	1.8	40	17	**FD 15**	13	1000	1200	44	24	**FA 15**	13	1200	44	24
0.37		**8**	690	5.1	46	0.63	1.84	2.1	1.6	1.6					3300	5000					5000		
2.4	**M 3LB**	**2**	2900	7.9	75	0.82	5.6	5.4	2.1	2.0	61	23	**FD 15**	26	550	700	65	29	**FA 15**	26	700	65	30
0.55		**8**	700	7.5	54	0.58	2.5	2.6	1.8	1.8					2000	3500					3500		
3	**M 4SA**	**2**	2920	9.8	72	0.85	7.1	5.6	2.0	1.8	162	36	**FD 56**	37	—	600	182	48	**FA 06**	37	600	182	50
0.75		**8**	710	10.1	61	0.64	2.8	3.0	1.7	1.8					—	3400					3400		
4	**M 4SB**	**2**	2870	13.3	73	0.84	9.4	5.6	2.3	2.4	213	42	**FD 56**	37	—	500	223	55	**FA 06**	37	500	223	56
1		**8**	690	13.8	66	0.62	3.5	2.9	1.9	1.8					—	3500					3500		
5.5	**M 4LA**	**2**	2870	18.3	75	0.84	12.6	6.1	2.4	2.5	270	51	**FD 06**	50	—	400	280	64	**FA 06**	50	400	280	65
1.5		**8**	690	21	68	0.63	5.1	2.9	1.9	1.9					—	2400					2400		

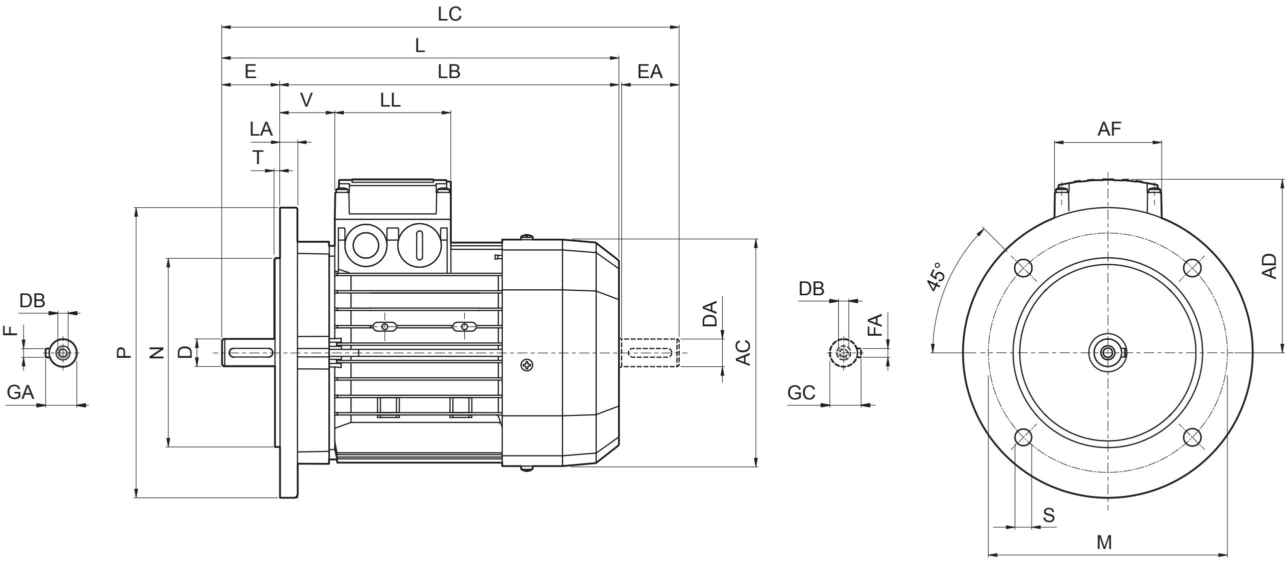


BN-M

2/12P — 3000/500 min^{-1} - S3 60/40% — 50 Hz

													freno c.c. FD						freno c.a. FA				
P_n kW			n min^{-1}	M_n Nm	η %	cosφ	In 400V A	Is/In	Ms/Mn	Ma/Mn	J_m x 10^{-4} kgm^2	IM B5 Kg	Mod	Mb Nm	Z_o 1/h NB	Z_o 1/h SB	J_m x 10^{-4} kgm^2	IM B5 Kg	Mod	Mb Nm	Z_o 1/h	J_m x 10^{-4} kgm^2	IM B5 Kg
0.55	**M 2SA**	**2**	2820	1.86	64	0.89	1.39	4.2	1.6	1.7	25	10.6	**FD 04**	5	1000	1300	27	14.5	**FA 04**	5	1300	27	14.4
0.09		**12**	430	2.0	30	0.63	0.69	1.8	1.9	1.8					8000	12000					12000		
0.75	**M 3SA**	**2**	2900	2.5	65	0.81	2.06	5.2	1.9	2.1	34	15.5	**FD 15**	13	700	900	38	22	**FA 15**	13	900	38	23
0.12		**12**	460	2.5	33	0.43	1.22	1.9	1.3	1.6					5000	7000					7000		
1.1	**M 3LA**	**2**	2850	3.7	65	0.85	2.87	4.5	1.6	1.8	40	17	**FD 15**	13	700	900	44	24	**FA 15**	13	900	44	24
0.18		**12**	430	4.0	26	0.54	1.85	1.5	1.3	1.5					4000	6000					6000		
1.5	**M 3LB**	**2**	2900	4.9	67	0.86	3.76	5.6	1.9	1.9	54	21	**FD 15**	13	700	900	58	27	**FA 15**	13	900	58	28
0.25		**12**	440	5.4	36	0.46	2.18	1.8	1.7	1.8					3800	5000					5000		
2	**M 3LC**	**2**	2850	6.7	70	0.84	4.9	4.9	1.8	1.7	61	23	**FD 55**	18	—	700	65	29	**FA 15**	18	700	65	30
0.3		**12**	450	6.4	38	0.47	2.4	1.7	1.6	1.7					—	3500					3500		
3	**M 4SA**	**2**	2920	9.8	74	0.87	6.7	6.8	2.3	1.9	213	42	**FD 56**	37	—	450	223	55	**FA 06**	37	450	223	56
0.5		**12**	470	10.2	51	0.43	3.3	2.0	1.7	1.6					—	3000					3000		
4	**M 4LA**	**2**	2920	13.1	75	0.89	8.6	5.9	2.4	2.3	270	51	**FD 56**	37	—	400	280	64	**FA 06**	37	400	280	65
0.7		**12**	460	14.5	53	0.44	4.3	1.9	1.7	1.6					—	2800					2800		

BN - IM B5



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<tr><th rowspan="2"></th><th colspan="5">Albero</th><th colspan="6">Flangia</th><th colspan="8">Motore</th></tr>
<tr><th>D
DA</th><th>E
EA</th><th>DB</th><th>GA
GC</th><th>F
FA</th><th>M</th><th>N</th><th>P</th><th>S</th><th>T</th><th>LA</th><th>AC</th><th>L</th><th>LB</th><th>LC</th><th>AD</th><th>AF</th><th>LL</th><th>V</th></tr>
<tr><td>BN 56</td><td>9</td><td>20</td><td>M3</td><td>10.2</td><td>3</td><td>100</td><td>80</td><td>120</td><td>7</td><td rowspan="2">3</td><td>8</td><td>110</td><td>185</td><td>165</td><td>207</td><td>91</td><td rowspan="4">74</td><td rowspan="4">80</td><td>34</td></tr>
<tr><td>BN 63</td><td>11</td><td>23</td><td>M4</td><td>12.5</td><td>4</td><td>115</td><td>95</td><td>140</td><td rowspan="2">9.5</td><td rowspan="2">10</td><td>121</td><td>207</td><td>184</td><td>232</td><td>95</td><td>26</td></tr>
<tr><td>BN 71</td><td>14</td><td>30</td><td>M5</td><td>16</td><td>5</td><td>130</td><td>110</td><td>160</td><td rowspan="3">3.5</td><td>138</td><td>249</td><td>219</td><td>281</td><td>108</td><td>37</td></tr>
<tr><td>BN 80</td><td>19</td><td>40</td><td>M6</td><td>21.5</td><td>6</td><td rowspan="2">165</td><td rowspan="2">130</td><td rowspan="2">200</td><td rowspan="2">11.5</td><td rowspan="2">11.5</td><td>156</td><td>274</td><td>234</td><td>315</td><td>119</td><td>38</td></tr>
<tr><td>BN 90</td><td>24</td><td>50</td><td>M8</td><td>27</td><td rowspan="3">8</td><td>176</td><td>326</td><td>276</td><td>378</td><td>133</td><td rowspan="3">98</td><td rowspan="3">98</td><td>44</td></tr>
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<tr><td>BN 112</td><td>15</td><td>219</td><td>385</td><td>325</td><td>448</td><td>157</td><td>52</td></tr>
<tr><td>BN 132</td><td>38</td><td>80</td><td>M12</td><td>41</td><td>10</td><td>265</td><td>230</td><td>300</td><td>16</td><td rowspan="2">258</td><td>493</td><td>413</td><td>576</td><td rowspan="2">193</td><td rowspan="2">118</td><td rowspan="2">118</td><td>58</td></tr>
<tr><td>BN 160 MR</td><td rowspan="3">42
38 (1)</td><td rowspan="3">110
80 (1)</td><td rowspan="3">M16
M12 (1)</td><td rowspan="3">45
41 (1)</td><td rowspan="3">12
10 (1)</td><td rowspan="5">300</td><td rowspan="5">250</td><td rowspan="5">350</td><td rowspan="6">18.5</td><td rowspan="6">5</td><td rowspan="4">15</td><td>562</td><td>452</td><td>645</td><td>218</td></tr>
<tr><td>BN 160 M</td><td rowspan="2">310</td><td rowspan="2">596</td><td rowspan="2">486</td><td rowspan="2">680</td><td rowspan="3">245</td><td rowspan="5">187</td><td rowspan="5">187</td><td rowspan="3">51</td></tr>
<tr><td>BN 160 L</td></tr>
<tr><td>BN 180 M</td><td>48
38 (1)</td><td rowspan="3">110
110 (1)</td><td>M16
M12 (1)</td><td>51.5
41 (1)</td><td>14
10 (1)</td><td>310</td><td>640</td><td>530</td><td>724</td></tr>
<tr><td>BN 180 L</td><td>48
42 (1)</td><td>M16
M16 (1)</td><td>51.5
45 (1)</td><td>14
12 (1)</td><td rowspan="2">18</td><td rowspan="2">348</td><td>708</td><td>598</td><td>823</td><td rowspan="2">261</td><td>52</td></tr>
<tr><td>BN 200 L</td><td>55
42 (1)</td><td>M20
M16 (1)</td><td>59
45 (1)</td><td>16
12 (1)</td><td>350</td><td>300</td><td>400</td><td>722</td><td>612</td><td>837</td><td>66</td></tr>
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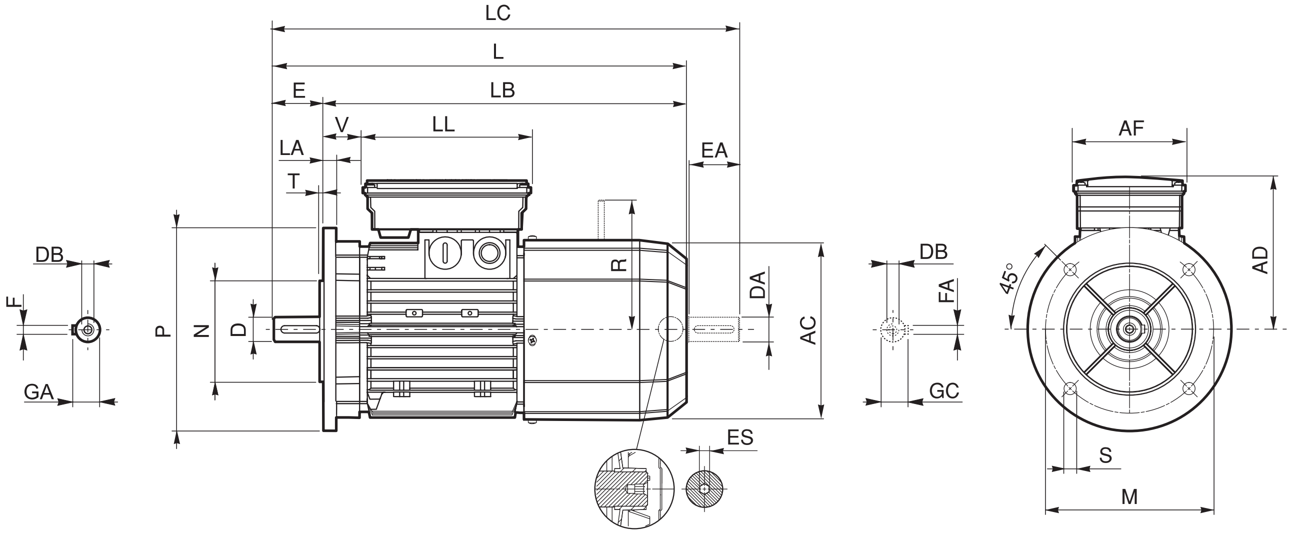
N.B.:
1) Queste dimensioni sono riferite alla seconda estremità d'albero.

BN_FD ; IM B5

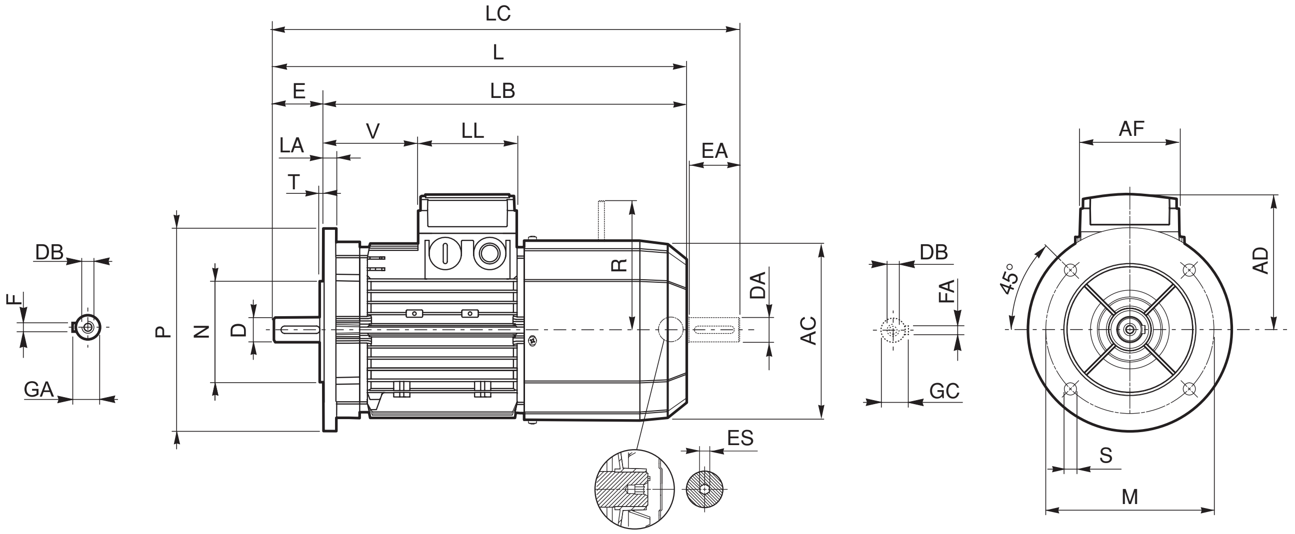


	Albero					Flangia						Motore									
	D DA	E EA	DB	GA GC	F FA	M	N	P	S	T	LA	AC	L	LB	LC	AD	AF	LL	V	R	ES
BN 63	11	23	M4	12.5	4	115	95	140	9.5	3	10	121	272	249	297	122	98	133	14	96	5
BN 71	14	30	M5	16	5	130	110	160	9.5	3.5		138	310	280	342	135			25	103	
BN 80	19	40	M6	21.5	6	165	130	200	11.5		11.5	156	346	306	388	146			41	129	
BN 90 S	24	50	M8	27	8							176	409	359	461	149	110	165	39		6
BN 90 L																146				160	
BN 100	28	60	M10	31		215	180	250	14	4	14	195	458	398	521	158		165	62		
BN 112											15	219	484	424	547	173		165	73	199	
BN 132	38	80	M12	41	10	265	230	300			20	258	603	523	686	210	140	188	46	204 (2)	
BN 160 MR	42 38 (1)	110 80 (1)	M16 M12 (1)	45 41 (1)	12 10 (1)	300	250	350	18.5	5	15		672	562	755				161	226	
BN 160 M												310	736	626	820	245	187	187	51	266	—
BN 160 L	42 38 (1)	110 80 (1)	M16 M12 (1)	45 41 (1)	12 10 (1)																
BN 180 M	48 38 (1)			51.5 41 (1)	14 10 (1)								780	670	864						
BN 180 L	48 42 (1)	110 110 (1)	M16 M16 (1)	51.5 45 (1)	14 12 (1)						18	348	866	756	981	261			52	305	
BN 200 L	55 42 (1)		M20 M16 (1)	59 45 (1)	16 12 (1)	350	300	400	18.5				878	768	993				64		

N.B.:
1) Queste dimensioni sono riferite alla seconda estremità d’albero.
2) Per freno FD07 quota R=226.

L’esagono ES non è presente con l’opzione PS.

BN_FA - IM B5



<table>
<tr><th rowspan="2"></th><th colspan="5">Albero</th><th colspan="6">Flangia</th><th colspan="10">Motore</th></tr>
<tr><th>D
DA</th><th>E
EA</th><th>DB</th><th>GA
GC</th><th>F
FA</th><th>M</th><th>N</th><th>P</th><th>S</th><th>T</th><th>LA</th><th>AC</th><th>L</th><th>LB</th><th>LC</th><th>AD</th><th>AF</th><th>LL</th><th>V</th><th>R</th><th>ES</th></tr>
<tr><td>BN 63</td><td>11</td><td>23</td><td>M4</td><td>12.5</td><td>4</td><td>115</td><td>95</td><td>140</td><td rowspan="2">9.5</td><td>3</td><td rowspan="2">10</td><td>121</td><td>272</td><td>249</td><td>297</td><td>95</td><td rowspan="3">74</td><td rowspan="3">80</td><td>26</td><td>116</td><td rowspan="3">5</td></tr>
<tr><td>BN 71</td><td>14</td><td>30</td><td>M5</td><td>16</td><td>5</td><td>130</td><td>110</td><td>160</td><td rowspan="2">3.5</td><td>138</td><td>310</td><td>280</td><td>342</td><td>108</td><td>68</td><td>124</td></tr>
<tr><td>BN 80</td><td>19</td><td>40</td><td>M6</td><td>21.5</td><td>6</td><td rowspan="2">165</td><td rowspan="2">130</td><td rowspan="2">200</td><td rowspan="2">11.5</td><td rowspan="2">11.5</td><td>156</td><td>346</td><td>306</td><td>388</td><td>119</td><td>83</td><td>134</td></tr>
<tr><td>BN 90</td><td>24</td><td>50</td><td>M8</td><td>27</td><td rowspan="3">8</td><td>95</td><td>176</td><td>409</td><td>359</td><td>461</td><td>133</td><td rowspan="3">98</td><td rowspan="3">98</td><td>95</td><td rowspan="2">160</td><td rowspan="5">6</td></tr>
<tr><td>BN 100</td><td rowspan="2">28</td><td rowspan="2">60</td><td rowspan="2">M10</td><td rowspan="2">31</td><td rowspan="2">215</td><td rowspan="2">180</td><td rowspan="2">250</td><td rowspan="3">14</td><td rowspan="3">4</td><td>14</td><td>195</td><td>458</td><td>398</td><td>521</td><td>142</td><td>119</td></tr>
<tr><td>BN 112</td><td>15</td><td>219</td><td>484</td><td>424</td><td>547</td><td>157</td><td>128</td><td>198</td></tr>
<tr><td>BN 132</td><td>38</td><td>80</td><td>M12</td><td>41</td><td>10</td><td>265</td><td>230</td><td>300</td><td>20</td><td rowspan="2">258</td><td>603</td><td>523</td><td>686</td><td>210</td><td>140</td><td>188</td><td>46</td><td>200 (2)</td></tr>
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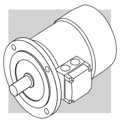
38 (1)</td><td rowspan="4">110
80 (1)</td><td rowspan="4">M16
M12 (1)</td><td rowspan="3">45
41 (1)</td><td rowspan="3">12
10 (1)</td><td rowspan="4">300</td><td rowspan="4">250</td><td rowspan="4">350</td><td rowspan="4">18.5</td><td rowspan="4">5</td><td rowspan="4">15</td><td>672</td><td>562</td><td>755</td><td>193</td><td>118</td><td>118</td><td>218</td><td>217</td></tr>
<tr><td>BN 160 M</td><td rowspan="3">310</td><td rowspan="2">736</td><td rowspan="2">626</td><td rowspan="2">820</td><td rowspan="3">245</td><td rowspan="3">187</td><td rowspan="3">187</td><td rowspan="3">51</td><td rowspan="3">247</td><td rowspan="3">—</td></tr>
<tr><td>BN 160 L</td></tr>
<tr><td>BN 180 M</td><td>51.5
41 (1)</td><td>14
10 (1)</td><td>780</td><td>670</td><td>864</td></tr>
</table>

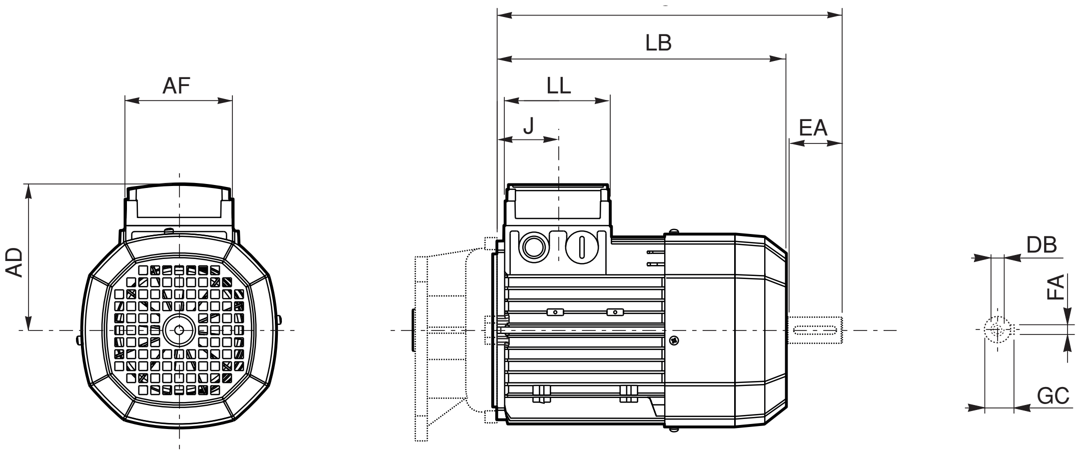
N.B.:
1) Queste dimensioni sono riferite alla seconda estremità d’albero.
2) Per freno FA07 quota R=217.

Le dimensioni AD, AF, LL e V relative alla scatola morsettiera dei motori BN...FA dotati di alimentazione separata del freno (opzione SA) coincidono con quelle dei motori BN...FD di pari taglia.

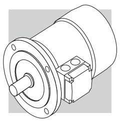
L’esagono ES non è presente con l’opzione PS..



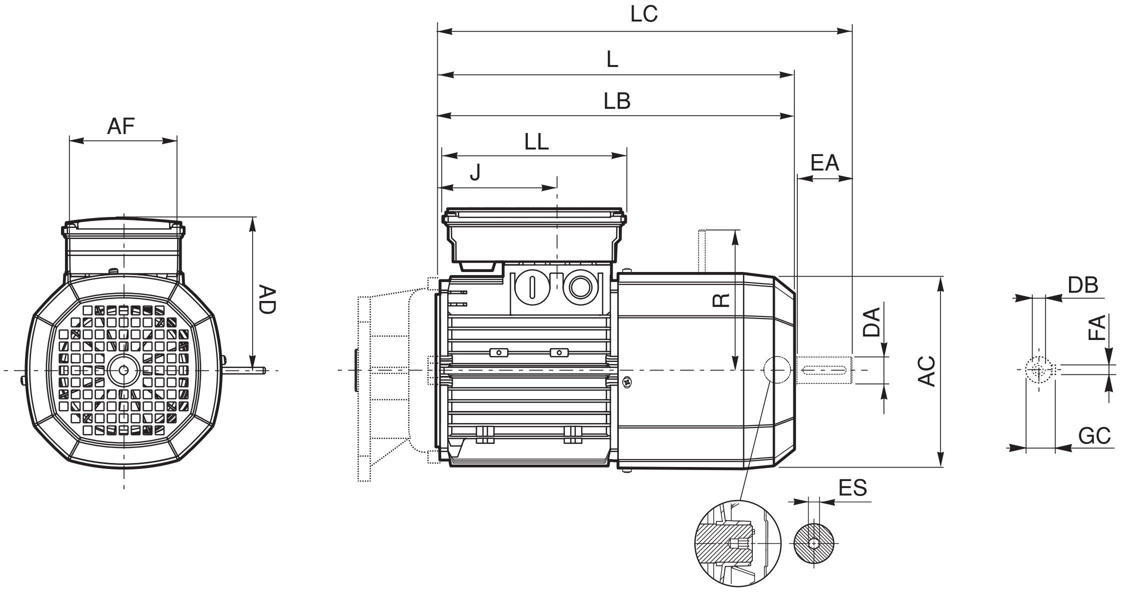
M



	Seconda estremità albero					Motore						
	DA	EA	DB	FA	GC	AC	LB	LC	AF	LL	J	AD
M 0	9	20	M3	3	10.2	110	133	155	74	80	42	91
M 05	11	23	M4	4	12.5	121	165	191			48	95
M 1	14	30	M5	5	16	138	187	219			45	108
M 2 S	19	40	M6	6	21.5	156	202	245			44	119
M 3 S	28	60	M10	8	31	195	230	293	98	98	53.5	142
M 3 L							262	325				
M 4	38	80	M12	10	41	258	361	444	118	118	64.5	193
M 4 LC							396	479				
M 5 S						310	418	502	187	187	77	245
M 5 L							462	546				



M_FD

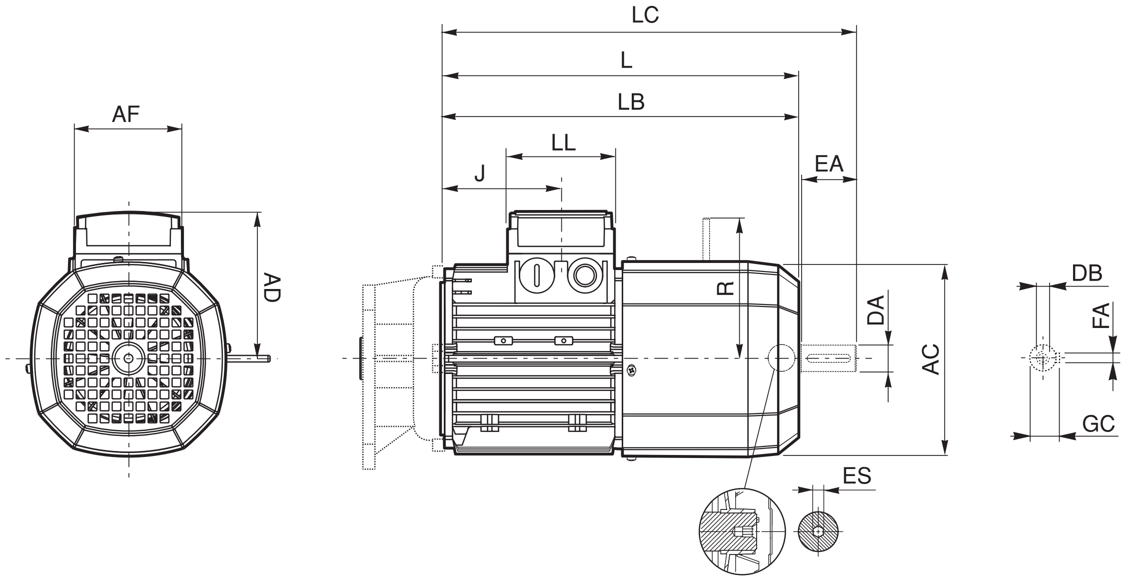


	Seconda estremità albero					Motore								
	DA	**EA**	**DB**	**FA**	**GC**	**AC**	**LB**	**LC**	**AF**	**LL**	**J**	**AD**	**R**	**ES**
M 05	11	23	M4	4	12.5	121	231	256	98	133	48	122	96	5
M 1	14	30	M5	5	16	138	248	280			73	135	103	
M 2 S	19	40	M6	6	21.5	156	272	314			88	146	129	
M 3 S	28	60	M10	8	31	195	326	389	110	165	124.5	158	160	6
M 3 L							353	416						
M 4	38	80	M12	10	41	258	470	553	140	188	185.5	210	204 (1)	
M 4 LC							495	578			64.5		226	
M 5 S						310	558	642	187	187	77	245	266	—
M 5 L							602	686						

N.B.:
1) Per freno FD07 quota R=226.

L'esagono ES non è presente con l'opzione PS.

M_FA



	Seconda estremità albero					Motore								
	DA	**EA**	**DB**	**FA**	**GC**	**AC**	**LB**	**LC**	**AF**	**LL**	**J**	**AD**	**R**	**ES**
M 05	11	23	M4	4	12.5	121	231	256	74	80	48	95	116	5
M 1	14	30	M5	5	16	138	248	280			73	108	124	
M 2 S	19	40	M6	6	21.5	156	272	314			88	119	134	
M 3 S	28	60	M10	8	31	195	326	389	98	98	124.5	142	160	6
M 3 L							353	416						
M 4	38	80	M14	10	41	258	470	553	140	188	185.5	210	200 (1)	
M 4 LC							495	578			64.5		217	
M 5 S			M12			310	558	642	187	187	77	245	247	—
M 5 L							602	686						

N.B.:
1) Per freno FA07 quota R=217.

Le dimensioni AD, AF, LL e V relative alla scatola morsettiera dei motori M...FA dotati di alimentazione separata del freno (opzione SA) coincidono con quelle dei motori M...FD di pari taglia

L’esagono ES non è presente con l’opzione PS.

INDICE DI REVISIONE

BR_CAT_CAFS_IE2-IE3_ITA_R05_0	
	Descrizione
496…570	Aggiornato sezione “Motori elettrici”.

2015 10 02

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