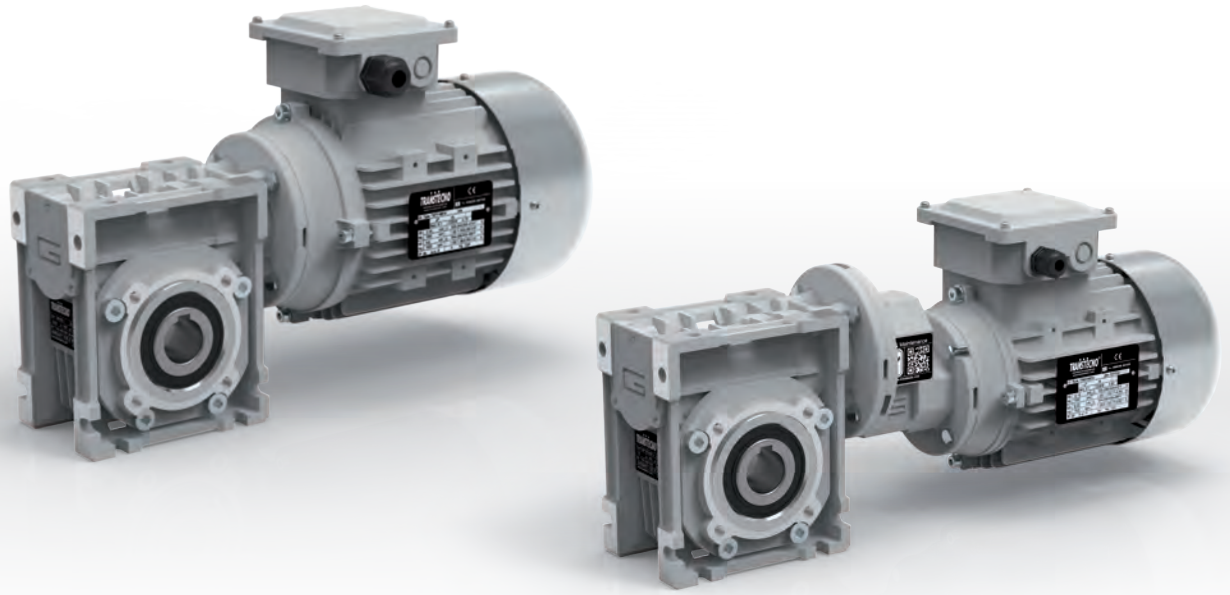
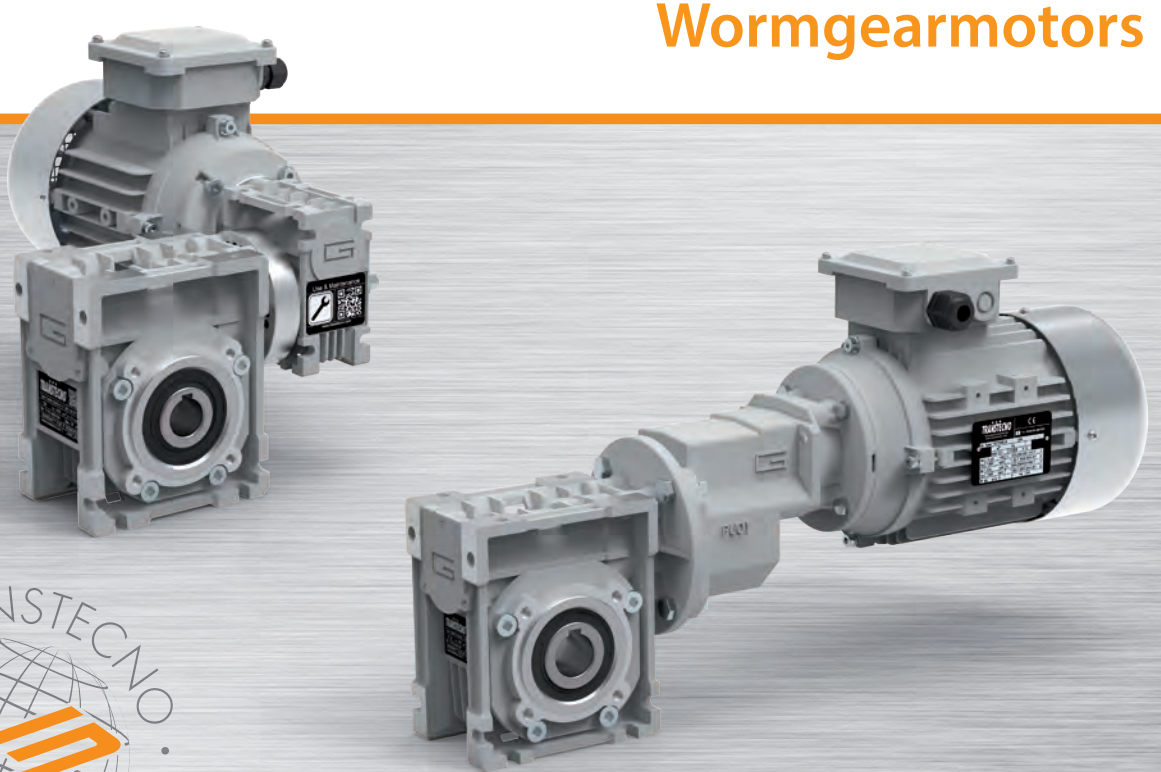
TRANSTECNO®

the modular gearmotor

CM/CMP
CMM-CMPU
Alu

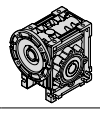
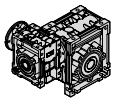


Motoriduttori a vite senza fine
Wormgearmotors



TRANSTECNO · GENUINE · PRODUCTS ·

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Questo catalogo annulla e sostituisce ogni precedente edizione o revisione. Ci riserviamo inoltre il diritto di apportare modifiche senza preavviso.

This catalogue supersedes any previous edition and revision. We reserve the right to implement modifications without notice.

Motoriduttori a vite senza fine CM - CMP - CMM - CMPU

Wormgearmotors CM - CMP - CMM - CMPU



CM



CMP

Grandezza *Sizes*	Coppia nominale in uscita *Nominal output torque* Mn_2 [Nm]	Pag. *Page*
CM026	15	B26
CM030	22	B27
CMP056/030	33	
CM040	48	B28
CMP.../040	71	
CM050	88	B30
CMP.../050	126	
CM063	166	B32
CMP.../063	235	
CM070	241	B34
CMP.../070	341	
CM075	289	B35
CMP.../075	405	
CM090	493	B36
CMP.../090	688	
CM110	815	B37
CMP.../110	1143	
CM130	1050	B38
CMP.../130	1400	

Motoriduttori a vite senza fine CM - CMP - CMM - CMPU

Wormgearmotors CM - CMP - CMM - CMPU



Grandezza *Sizes*	Coppia nominale in uscita *Nominal output torque* Mn_2 [Nm]	Pag. *Page*
CMM026/026	27	C10
CMM026/030	40	
CMM026/040	90	
CMM026/050	162	
CMM030/040	90	C12
CMM030/050	162	
CMM030/063	310	
CMM040/070	453	C12
CMM040/075	547	
CMM040/090	943	
CMM050/110	1595	C12
CMM063/130	1700	C12

CMM



Grandezza *Sizes*	Coppia nominale in uscita *Nominal output torque* Mn_2 [Nm]	Pag. *Page*
CMPU01/050	162	D12
CMPU01/063	310	
CMPU01/070	453	
CMPU01/075	547	
CMPU01/090	943	

CMPU

Indice	*Index*	Pag. *Page*
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Velocità entrata	*Input speed*	**A2**
Rapporto di riduzione	*Gear ratio*	**A2**
Velocità in uscita	*Output speed*	**A2**
Coppia richiesta	*Requested torque*	**A2**
Coppia nominale	*Nominal torque*	**A3**
Coppia trasmessa	*Output torque*	**A3**
Rendimento	*Efficiency*	**A3**
Reversibilità e irreversibilità	*Reversibility and irreversibility*	**A4**
Potenza in entrata	*Input power*	**A4**
Fattore di servizio	*Service factor*	**A5**
Carico radiale	*Radial load*	**A6**
Carico assiale	*Axial load*	**A6**
Scelta dei motoriduttori	*Selecting the gearmotors*	**A6**
Lubrificazione	*Lubrication*	**A8**
Posizioni di montaggio	*Mounting positions*	**A9**
Temperatura di lavoro	*Operating temperature*	**A10**
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Applicazioni critiche	*Critical applications*	**A11**
Note	*Notes*	**A12**

Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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Generalità / *General information*

Per avere una migliore comprensione degli argomenti e dei dati esposti in questo catalogo proponiamo la simbologia utilizzata corredandola delle informazioni di base per giungere ad una corretta selezione dei motoriduttori.

Information in this manual is provided with symbols in order to understand the subject matter and data. These symbols are intended to aid the user in selecting the right gearmotors.

Velocità entrata / *Input speed*

n_1 [min^{-1}]

Rappresenta la velocità riferita al tipo di motorizzazione prescelta ed è applicata in entrata al riduttore.

Per selezioni a velocità diverse da quelle riportate consultare il ns. Servizio Tecnico.

This is the input speed at the gearbox related to the type of drive unit selected.

When different speeds are required, contact our Technical Service.

Rapporto di riduzione / *Gear ratio*

i

E' una grandezza adimensionale ed è in funzione del numero dei denti degli ingranaggi interni al riduttore.
Nei riduttori a vite senza fine si ottiene dividendo il numero di denti della corona per il numero dei filetti (Z) della vite senza fine.
Dai dati di catalogo si può ottenere con la relazione:

This value is strictly related to the size and number of teeth gears inside the gearbox.
This value is obtained in wormgearboxes by dividing the number of wheel teeth by the number of starts (Z) of the worm.
From the data given in the catalogue, the value can be calculated using the following formula:

$$i = \frac{n_1}{n_2}$$

Velocità in uscita / *Output speed*

n_2 [min^{-1}]

E' la velocità risultante sull' asse di uscita del riduttore e viene ricavata dalla relazione precedente:

This is the gearbox output speed calculated using the formula given above:

$$n_2 = \frac{n_1}{i}$$

I

Coppia richiesta / *Requested torque*

Mr_2 [Nm]

E' la coppia richiesta dall'applicazione ed è indispensabile per la selezione di una motorizzazione.
Essa può essere comunicata dall'utente oppure calcolata in base ai dati di applicazione (se forniti).

This is the torque needed for the application and must be known when selecting a drive system. It can either be provided by the user or calculated according to the application data (if provided).

Coppia nominale — Mn_2 [Nm] — *Nominal torque*

Rappresenta la coppia in uscita trasmissibile dal riduttore in base alla velocità in entrata n_1 e al rapporto di riduzione i.
Essa è calcolata in base ad un servizio con carico continuo uniforme corrispondente ad un fattore di servizio uguale a 1.
Questo valore non è riportato nel presente catalogo ma può essere ricavato approssimativamente con la seguente relazione fra M_2 (coppia trasmessa) e sf (fattore di servizio):

This is the output torque that can be transmitted by the gearbox according to input speed n_1 and gear ratio i. It is calculated based on service with a continuous steady load corresponding to a service factor equal to 1. This value is not given in the catalogue but can be calculated approximately with the following formula between M_2 (output torque) and sf (service factor):

$$Mn_2 = M_2 \cdot sf$$

Coppia Trasmessa — M_2 [Nm] — *Output torque*

E' la coppia trasmessa in uscita al riduttore.
Dipende dalla potenza P_1 del motore installato, dal numero di giri in uscita n_2 e dal rendimento dinamico Rd e può essere calcolata con la relazione:

This is the gearbox's output torque. It is strictly related to power P_1 of the motor installed, output rpm n_2 and dynamic efficiency Rd. It can be calculated with the following formula:

$$M_2 = \frac{9550 \cdot P_1 \cdot Rd}{n_2}$$

oppure: *or:*

$$M_2 = \frac{9550 \cdot P_2}{n_2}$$

dove: *where:*

$$P_2 = P_1 \cdot Rd$$

Rendimento — Rd; Rs — *Efficiency*

I calcoli delle prestazioni sono stati effettuati in base al rendimento dinamico Rd dei riduttori (valore ottimale che si raggiunge nel funzionamento a regime dopo rodaggio).

Efficiency is calculated based on dynamic efficiency Rd of the gearboxes (optimal value reached when running at normal speed after the break in period).

Nei riduttori combinati, il rendimento complessivo è dato dal prodotto dei rendimenti dei due riduttori, considerando però che nel secondo riduttore il rendimento dovrà essere valutato in base alla ridotta velocità in entrata ottenuta dividendo n_1 per il rapporto i del primo riduttore.

In combination gearboxes, overall efficiency is obtained from the combined efficiency of the two gearboxes. However, keep in mind that efficiency of the second gearbox should be determined according to the reduced input speed obtained by dividing n_1 by ratio i of the first gearbox.

E' opportuno considerare che nei riduttori a vite senza fine si ha anche un valore di rendimento statico Rs, presente in fase di avviamento, che declassa sensibilmente la coppia risultante per cui influenza in modo determinante la scelta di motorizzazioni destinate ad applicazioni intermittenti (es. sollevamenti).

It is important to remember that wormgearboxes also have static efficiency value Rs present at start-up. This value notably reduces the resulting torque. As a result, it must be taken into consideration when selecting drive systems for intermittent operations (e.g. lifting) as it is a determinant factor.

Il valore dei rendimenti dinamico e statico dei riduttori a vite senza fine sono riportati nella tabella a pag. B6.
Nei riduttori ad ingranaggi PU il rendimento medio è del 94%.

Dynamic and static efficiency of wormgearboxes are given in the table on page B6.
On helical gearboxes PU the average efficency is 94%.

Reversibilità e irreversibilità

Reversibility and irreversibility

La diretta conseguenza del rendimento (statico e dinamico) è la reversibilità del riduttore a vite senza fine che consiste nella possibilità di fare ruotare l'albero entrata tramite l'applicazione di una torsione più o meno accentuata sull'albero uscita.
L'impossibilità o la difficoltà ad effettuare l'azione sopra descritta, determina il grado di reversibilità (o irreversibilità) di un riduttore.

Reversibility of the wormgearbox is the direct consequence of efficiency (static and dynamic). This determines whether or not the input shaft can be rotated by applying a certain torque on the output shaft.
Whether or not this can be done and how difficult it actually is to do determine the degree of reversibility (or irreversibility) of a gearbox.

Questa caratteristica, molto significativa nei riduttori a vite senza fine, è influenzata da molteplici fattori quali angolo d'elica (quindi rapporto di trasmissione), lubrificazione, temperatura, finitura superficiale della vite senza fine, presenza di vibrazioni, ecc.

This feature, quite significant in wormgearboxes, is affected by numerous factors including the helix angle (therefore drive ratio), lubrication, temperature, surface finish of the worm, vibrations, etc...

In applicazioni dove sono presenti delle traslazioni è necessario garantire una elevata reversibilità onde evitare che le inerzie delle masse in movimento possano determinare punte di carico inammissibili sugli organi di trasmissione.

In applications that include translations, high reversibility must be guaranteed to prevent inertia of the moving parts from creating unacceptable load peaks on the drive parts.

In applicazioni dove è richiesto un non ritorno del carico (es. sollevamenti o nastri trasportatori inclinati) in assenza di un freno motore è necessario scegliere un riduttore caratterizzato da un elevato grado di irreversibilità.
Desideriamo comunque evidenziare che la garanzia assoluta di non ritorno è data esclusivamente dall'installazione di un motore autofrenante o di un altro dispositivo frenante esterno.

In applications that require non-return of the load (e.g. lifting or inclined conveyor belts) a gearbox with high irreversibility must be chosen when a motor-brake unit is not present.

However, we would like to point out that non-return can be totally assured only by installing a self-braking motor or other external braking device.

La tabella sottostante riporta a titolo puramente indicativo i vari gradi di reversibilità/irreversibilità nei riduttori a vite senza fine in funzione del rendimento dinamico Rd e statico Rs.

The table below is provided for reference purposes only. It contains the various degrees of reversibility/irreversibility of wormgearboxes in relation to dynamic Rd and static Rs efficiency.

Rd	**Reversibilità e irreversibilità dinamica**	***Dynamic reversibility and irreversibility***
> 0.6	Reversibilità dinamica	*Dynamic reversibility*
0.5 - 0.6	Reversibilità dinamica incerta	*Uncertain dynamic reversibility*
0.4 - 0.5	Buona irreversibilità dinamica	*Good dynamic irreversibility*
<0.4	Irreversibilità dinamica	*Dynamic irreversibility*
Rs	**Reversibilità e irreversibilità statica**	***Static reversibility and irreversibility***
> 0.55	Reversibilità statica	*Static reversibility*
0.5 - 0.55	Reversibilità statica incerta	*Uncertain static reversibility*
<0.5	Irreversibilità statica	*Static irreversibility*

Potenza in entrata

P_1 [kW]

Input power

E' la potenza motore applicata in entrata al riduttore e riferita alla velocità n_1.
Può essere calcolata come segue:

This is the power applied by the motor at the gearbox input in reference to speed n_1.
It can be calculated with the following formula:

$$P_1 = \frac{M_2 \cdot n_2}{9550 \cdot Rd}$$

Fattore di servizio — sf — *Service factor*

E' una grandezza adimensionale che indica il sovradimensionamento da applicare ad una determinata motorizzazione per garantire la resistenza agli urti e la durata richiesta.
Le tabelle di catalogo offrono una vasta scelta di motorizzazioni con fattori di servizio differenziati che possono soddisfare la maggior parte delle applicazioni più o meno gravose.
Per una corretta interpretazione dei valori del fattore di servizio sf riportati a fianco di ogni selezione proposta, riportiamo nelle tabelle seguenti i valori indicativi attribuiti alle classi di carico A, B, C e alla durata di funzionamento giornaliero h/d e al numero di avviamenti/ora.
Definendo la classe di carico a cui riferire l'applicazione, si ricercherà nella tabella il corrispondente valore di sf da utilizzare nella scelta della motorizzazione più idonea.

This value indicates how a certain drive system is to be over-sized in order to assure the requested service and stand up to shocks. The tables given in the catalogue offer a wide range of drive systems with different service factors able to satisfy most types of applications. To correctly understand service factor values sf given for each item, approximate values for load classes A, B and C along with the number of hours of daily operation h/d and number of start-ups/hours need to be known.
Once the load class required for the application has been determined, locate corresponding value sf to be used when selecting the most suitable drive system.

Tipo di carico	**A** - Uniforme	fa ≤ 0.3
	B - Medio	fa ≤ 3
	C - Forte	fa ≤ 10

Type of load	***A** - Uniform*	*fa ≤ 0.3*
	***B** - Moderate shocks*	*fa ≤ 3*
	***C** - Heavy shocks*	*fa ≤ 10*

$$fa = \frac{Je}{Jm}$$

- Je (kgm^2) momento d'inerzia esterno ridotto all'albero motore.
- Jm (kgm^2) momento d'inerzia motore.
  Se fa > 10 interpellare il sn. Servizio Tecnico.

$$fa = \frac{Je}{Jm}$$

- *Je (kgm^2) moment of reduced external inertia at the drive-shaft*
- *Jm (kgm^2) moment of inertia of motor.*
  If fa > 10 call our Technical Service.

A — Classe di carico / *Load class*
Carico uniforme / *Uniform load*

sf									
h/d	n. avviamenti/ora / n. start-up/hour								
	2	**4**	**8**	**16**	**32**	**63**	**125**	**250**	**500**
4	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2
8	1.0	1.0	1.1	1.1	1.3	1.3	1.3	1.3	1.3
16	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
24	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8

B — Classe di carico / *Load class*
Carico con urti moderati / *Moderate shock load*

sf									
h/d	n. avviamenti/ora / n. start-up/hour								
	2	**4**	**8**	**16**	**32**	**63**	**125**	**250**	**500**
4	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3
8	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
16	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8
24	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2

C — Classe di carico / *Load class*
Carico con urti forti / Heavy *shock load*

sf									
h/d	n. avviamenti/ora / n. start-up/hour								
	2	**4**	**8**	**16**	**32**	**63**	**125**	**250**	**500**
4	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
8	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8
16	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2
24	2.2	2.2	2.2	2.2	2.5	2.5	2.5	2.5	2.5

Esempio applicazione:

Nastro trasportatore attribuibile alla classe di carico B **(carico con urti moderati)** e previsto per una durata di funzionamento giornaliero (h/d) di **16** ore e con **8** avviamenti/ora.
Dalla tabella rileviamo **sf = 1.5**

Application example:

*Conveyor belt assigned to load class B **(moderate shock load)**, to be run **16** hours a day (h/d) with **8** start-ups/hour.*
The following value is obtained from the table
sf = 1.5

Carico radiale — $R; R_2$ [N] — *Radial load*

L'applicazione sull'albero in uscita del riduttore di pignoni, pulegge, ecc. determina delle forze radiali che debbono necessariamente essere considerate per evitare sollecitazioni eccessive con il rischio di danneggiamenti del riduttore stesso.
Il calcolo del carico radiale esterno R agente sull'albero del riduttore può essere determinato come segue:

Pinions, pulleys, etc applied on the output shaft of the gearboxes create radial forces that must be taken into consideration to avoid excessive stress risking damage to the gearbox itself.

External radial load R that acts on the gearbox shaft can be calculated as follows:

$$R = \frac{2000 \cdot M_2 \cdot kr}{d} \leq R_2$$

dove:
d [mm] diametro primitivo del pignone o della puleggia
kr coefficiente riferito al tipo di trasmissione:
kr = 1.4 ruota per catena
kr = 1.1 ingranaggio
kr = 1.5 - 2.5 puleggia per cinghia a V

where:
***d** [mm] diameter of the pinion or pulley*
***kr** coefficient in relation to type of transmission:*
***kr = 1.4** sprocket wheel*
***kr = 1.1** gear*
***kr = 1.5 - 2.5** pulley for V belts*

E' opportuno evidenziare che i valori di R_2 sono riferiti a carichi agenti sulla mezzeria dell'albero lento (considerando l'albero sporgente) per cui il confronto dovrà essere effettuato nelle medesime condizioni.

Keep in mind that values R_2 refer to loads that act on the centerline of the output shaft (considering the shaft protrudes). As a result, the value should be compared under the same conditions.

Carico assiale — $A; A_2$ [N] — *Axial load*

A volte, unitamente al carico radiale, può essere presente anche una forza A che agisce assialmente sull'albero uscita; in questo caso considerare che il carico assiale ammissibile A_2 sull'albero è da considerare:

At times, along with the radial load, force A may be present that acts axially on the output shaft. In this case, keep in mind allowable axial load A_2 that can be applied on the shaft is:

$$A_2 = R_2 \cdot 0.2$$

Nel caso in cui il valore del carico assiale A agente sull'albero risultasse superiore ad A_2 contattate il ns. Servizio Tecnico.

If axial load A that acts on the shaft is greater than A_2, contact our Technical Service.

Scelta dei motoriduttori — *Selecting the gearmotors*

Per la scelta di un motoriduttore è necessario seguire la seguente procedura.

To select the required gearmotor, perform the procedure below:

1. Per l'applicazione desiderata ricavare il fattore di servizio sf dalle tabelle a pag. A5 in base alla classe di carico, alle ore di funzionamento giornaliere e al numero di avviamenti orari.

1. *Determine the service factor sf for the desired application by referring to the charts given on page A5. This is to be done by considering the class of load, the operational hours/day and the number of start-ups/ hour.*

2. Se si conosce la potenza motore P [kW] richiesta, passare al punto 3); se è nota la coppia in uscita M richiesta è necessario calcolare la potenza motore P con le formule:

2. *If the required motor power output P is known, go to item 3); if the required output torque M is known, determine motor output P by using the following formulas:*

$$P = \frac{M \cdot n_2}{9550 \cdot Rd}$$ Motoriduttore / *Gearmotor*

dove Rd è il rendimento dinamico (riportato a pag. B6) e n_2 il numero di giri richiesti in uscita al motoriduttore.

where Rd stands for the dynamic efficiency (indicated on page B6) and n_2 indicates the required output rpm of the gearmotor.

3. Nelle tabelle dei dati tecnici ricercare la motorizzazione in cui sia P_1 maggiore o uguale a P e con riferimento a d una velocità n_2/n_{2max} prossima a quella desiderata, scegliere la motorizzazione in cui il fattore di servizio sf indicato risulti uguale o superiore a quello ricavato al punto 1).

3. Use the specification chart to search for the power unit where P_1 is greater than or equal to P with a speed n_2/n_{2max} that approximates the desired one. Choose a power unit where the indicated service factor sf is equal to or greater than that calculated at point 1).

P_1 [kW]	**n_2** [min^{-1}]	**M_2** [Nm]	**sf**	**i**		IEC
0.18						
63B4 (1400 min^{-1})	**187**	8	4.4	7.5	**CM040**	**B5/B14**
	140	10	3.7	10		**B5/B14**
	93	15	2.5	15		**B5/B14**
	70	19	2.1	20		**B5/B14**
	56	22	1.7	25		**B5/B14**
	47	25	1.7	30		**B5/B14**
	35	32	1.3	40		**B5/B14**
	28	39	1.0	50		**B5/B14**

Esempio / *Example:*

Applicazione / *Application:*
Nastro trasportatore / *Conveyor belt*

P : 0.17 kW
sf : 1.5
n_2 : 45 min^{-1}

Motorizzazione scelta / *Power unit selected:*

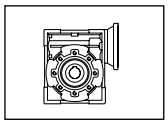
CM040 i = 30, P_1 = 0.18 kW, sf = 1.7

Lubrificazione

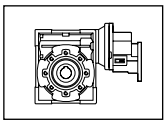
Lubrication

I motoriduttori della serie CM, CMP, CMM e CMPU sono forniti completi di lubrificante sintetico viscosità 320 a lunga durata, pertanto non necessitano di manutenzione.

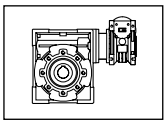
All unit sizes of CM, CMP, CMM and CMPU series are complete with a long life synthetic lubricant, viscosity 320 and do not require maintenance.



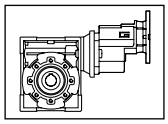
CM



CMP



CMM



CMPU

SHELL	AGIP	ESSO	MOBIL	CASTROL	BP
Tivela Oil SC320	Telium VSF320	S320	Glygoyle 30	Alphasyn PG320	Energol SG-XP 320

Nelle sezioni specifiche sono riportate le tabelle con le quantità indicative di lubrificante contenute e/o da immettere.

The tables contain the approximate amount of lubricant held and/or to be put in.

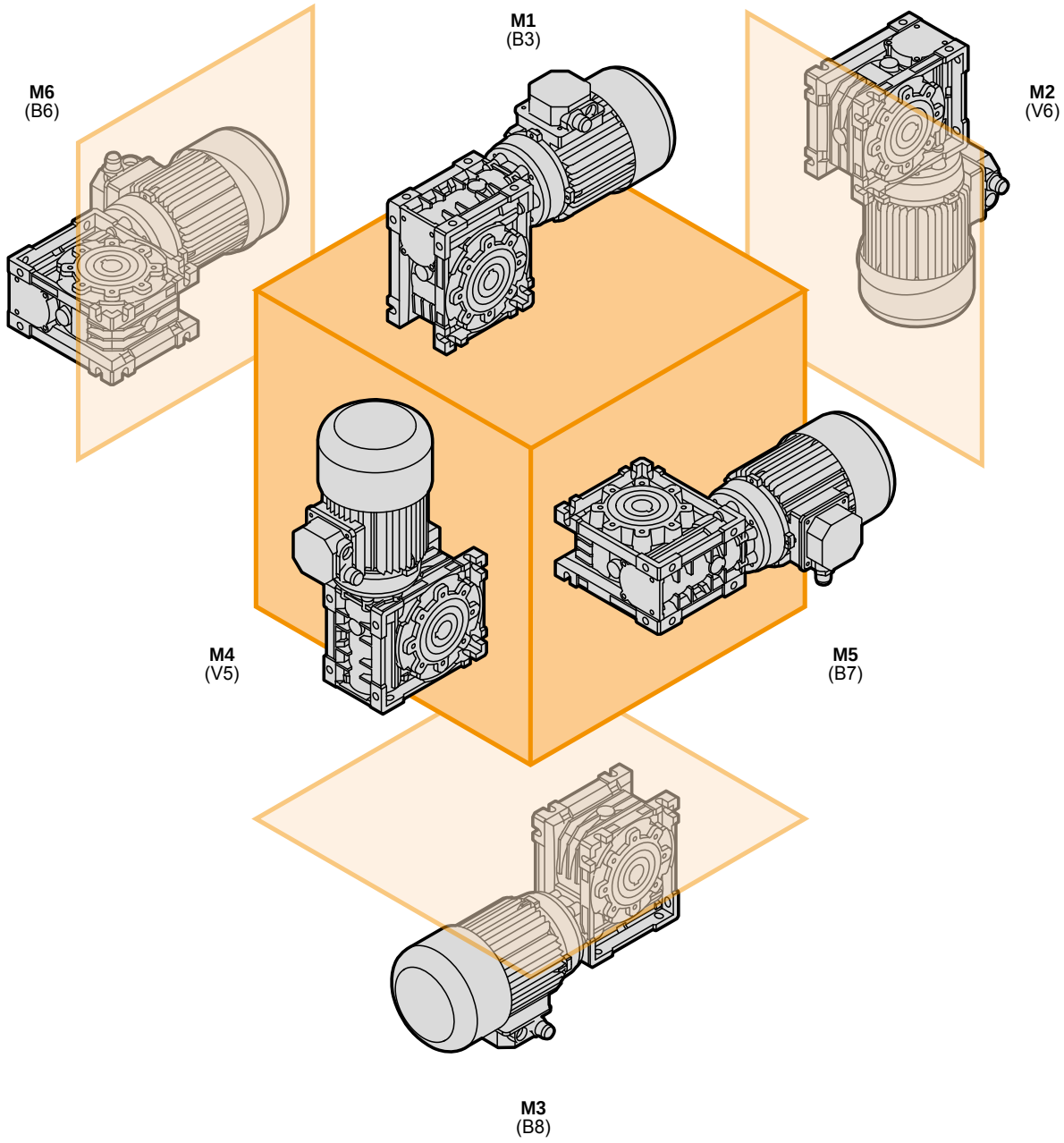
In fase di ordine è necessario specificare sempre la posizione di montaggio desiderata.

Always specify the desired installation position at the time of order.

Posizioni di montaggio

Mounting positions

CM - CMP - CMM - CMPU



Temperatura di lavoro / *Operating temperature*

La temperatura ambientale influisce sulle specifiche di riduttori.

The environmental temperature affects specifications of gearboxes.

Campo di temperatura standard / *Standard temperature range*

CM026 - CM050	-25°C / +50°C
CM063 - CM130	-35°C / +50°C
CMP	-35°C / +50°C
CMM	-35°C / +50°C
CMPU	-35°C / +50°C

Campi di temperatura speciali / *Special temperature range*

	<-15°C	**-35°C/-25°C**	**<-35°C**	**>+50°C**
CM026 - CM050		sostituire paraolio ingresso con NBR *replace input oil seal with NBR*	usare paraoli in silicone (VMQ) *use silicone (VMQ) oil seals* usare lubrificante per basse *temperature use low temperature lubricant*	usare paraoli in Viton (FPM) *use Viton (FPM) oil seals* usare lubrificante per alte temperature *use high temperature lubricant*
CM063 - CM110				
CM130	dimezzare i carichi radiali in uscita *halve the output radial loads*			
CMM				
CMPU				

Per temperature <0°C riferirsi alle seguenti note:
- verificare che il motore sia idoneo al funzionamento a bassa temperatura;
- assicurarsi che il motore possa fornire maggior coppia di avviamento a causa dell'aumento di viscosità del lubrificante;
- procedere con alcuni minuti di funzionamento a vuoto per garantire l'ottimale lubrificazione;

For temperature <0°C refer to the following notes:
- *check if the motor is suitable for low temperature;*
- *due to the high viscosity of the lubricant, check if the motor can supply high starting torque;*
- *let the group run for a few minutes without load to guarantee good lubrication;*

Installazione e verifiche

Installation and inspection

In fase di installazione del riduttore è opportuno verificare che:

- i dati riportati in targhetta corrispondano al prodotto che è stato ordinato;
- le superfici di accoppiamento e gli alberi siano accuratamente puliti e privi di ammaccature;
- le superfici su cui verrà installato il riduttore siano perfettamente piane e sufficientemente rigide;
- l'albero macchina e quello del riduttore siano correttamente allineati;
- siano stati installati sistemi di limitazione della coppia se si prevedono urti o blocchi della macchina durante il funzionamento;
- siano state predisposte le necessarie protezioni antinfortunistiche agli organi rotanti;
- siano state create delle opportune coperture a protezione dagli agenti atmosferici se l'installazione è effettuata all'aperto ed è soggetta alle intemperie;
- l'ambiente di lavoro non sia corrosivo (a meno che tale specifica non sia stata dichiarata in fase di ordine al fine di predisporre il riduttore per questo utilizzo);
- gli eventuali pignoni o pulegge montati sull'albero uscita o entrata del riduttore, siano calettati correttamente in modo tale da non generare carichi radiali e/o assiali superiori a quelli ammissibili;
- su tutti gli accoppiamenti sia stato applicato un adeguato protettivo antiossidante per prevenire eventuali ossidazioni da contatto;
- tutte le viti di fissaggio siano state serrate correttamente;
- per tutti i riduttori grandezza CM 130 verificare la corretta quantità di lubrificante in funzione della posizione di montaggio.

While installing the gearbox, always make sure that:

- *the specifications stamped on the rating plate match those indicated for the unit actually ordered;*
- *the mating surfaces and the shafts are thoroughly clean and free of dents;*
- *the surfaces where the gearbox are to be mounted on are flat and strong enough;*
- *the machine drive shaft and the gearbox shaft are perfectly aligned;*
- *the required torque limiters have been installed if the machine is likely to produce shocks or blockages during operation;*
- *the rotary parts have been provided with the required safety guards;*
- *adequate weatherproof covering has been provided if the machine is to be installed outdoor;*
- *the working environment is not exposed to corrosive agents (unless this has been indicated while placing the order so that the gearbox can be adequately set up);*
- *the pinions or pulleys on the gearbox input/output shafts are properly fitted in order not to produce radial and/or axial loads that exceed the maximum allowable limits;*
- *all the couplings have been treated with adequate rust preventative in order to avoid oxidation provoked by contact;*
- *all the mounting screws have been securely tightened;*
- *check the lubricant quantity depending on the mounting position on all gearboxes CM 130.*

Applicazioni critiche

Critical applications

In tutti questi casi consultare il Servizio Tecnico

- utilizzo come moltiplicatore;
- utilizzo come argano di sollevamento;
- utilizzo in posizioni non previste a catalogo;
- utilizzo in ambiente con pressione diversa da quella atmosferica;
- utilizzo in ambiente con temperature <-35°C o >+50°C

In these cases please contact the Technical Service

- *used to increase speed ;*
- *used as a hoist;*
- *used in mounting positions not shown in the catalogue;*
- *use in environment pressure other than atmospheric pressure;*
- *use in places with temperature <-35°C or >+50°C*

Note/*Notes*

TRANSTECNO®
the modular gearmotor

CM-CMP

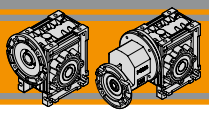
CM-CMP

CM-CMP Alù

Motoriduttori a vite senza fine
Wormgearmotors



TRANSTECNO · GENUINE · PRODUCTS ·



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Sensi di rotazione	*Direction of rotation*	**B3**
Simbologia	*Symbols*	**B3**
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Caratteristiche tecniche — *Technical features*

L'elevata modularità contraddistingue i motoriduttori a vite senza fine della serie CM e CMP: i diversi kit entrata ed uscita li rendono estremamente versatili.
Le caratteristiche principali della serie CM e CMP sono:

- Carcassa in alluminio nelle grandezze 026, 030, 040, 050, 063, 070, 075, 090 e 110. La grandezza 130 è costruita con carcassa in ghisa;
- Le grandezze 090, 110 e 130 sono fornite con cuscinetti a rulli conici sulla vite;
- Le precoppie sono costruite con carcassa in allumino;

The high degree of modularity is a design feature of CM and CMP wormgearmotors range thanks to a wide selection of input and output kits.
Main features of CM and CMP range are:

- *Die-cast aluminum housing on sizes 026, 030, 040, 050, 063, 070, 075, 090 and 110. Cast iron housing on size 130;*
- *Double taper roller bearing on sizes 090, 110 and 130;*
- *Die-cast aluminum housing on pre-stage units;*

Designazione — *Classification*

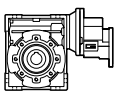
MOTORIDUTTORI A VITE SENZA FINE / WORMGEARMOTORS

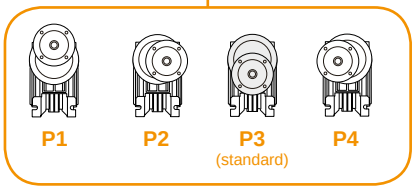
RIDUTTORE / *GEARBOX*

CM	050	U	10	71	B5	SZDX	BRSX	90	M1	VS
Tipo *Type*	Grandezza *Size*	Versione riduttore *Gearbox Version*	Rapporto *Ratio*	IEC	Forma costruttiva *Version*	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*	Pos. di montaggio *Mounting position*	Opzioni *Options*
CM  **CMIS** 	**026** **030** **040** **050** **063** **070** **075** **090** **110** **130**	**U** **FD** **FS** **FLD** **FLS** **FBD** **FBS**	Vedere tabella *See tables*	**56..** **—** **132..**	**B5** **B14**	**SZDX** **SZSX** **DZ**	**BRDX** **BRSX**	**0°** **90°** **180°** **270°**	**M1** (B3) **M2** (V6) **M3** (B8) **M4** (V5) **M6** (B6) **M5** (B7)	**VS**

MOTORIDUTTORI A VITE SENZA FINE CON PRECOPPIA / PRE-STAGE WORMGEARMOTORS

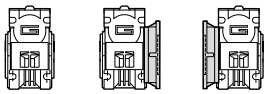
RIDUTTORE / *GEARBOX*

CMP	063/050	U	90	63	B14	SZDX	BRSX	90	P4	M1	VS
Tipo *Type*	Grandezza *Size*	Versione Riduttore *Gearbox Version*	Rapporto *Ratio*	IEC	Forma costruttiva Version	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*	Pos. di montaggio precoppia *Pre stage mounting position*	Pos. di montaggio *Mounting position*	Opzioni *Options*
CMP 	**056/030** **056/040** **063/040** **063/050** **063/063** **071/050** **071/063** **071/070** **071/075** **071/090** **080/063** **080/070** **080/075** **080/090** **080/110** **080/130** **090/070** **090/075** **090/090** **090/110** **090/130**	**U** **FD** **FS** **FLD** **FLS** **FBD** **FBS**	Vedere tabella *See tables*	**56..** **—** **80..**	**B5** **B14**	**SZDX** **SZSX** **DZ**	**BRDX** **BRSX**	**0°** **90°** **180°** **270°**	**P1** **P2** **P3** (standard) **P4**	**M1** (B3) **M2** (V6) **M3** (B8) **M4** (V5) **M6** (B6) **M5** (B7)	**VS**



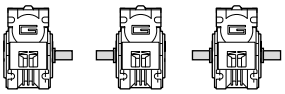
Designazione — *Classification*

Versione Riduttore / *Gearbox Version*



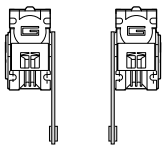
U — FD, FLD, FBD — FS, FLS, FBS

Albero di uscita / *Output shaft*



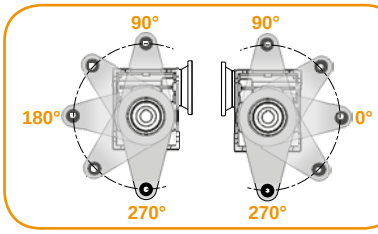
SZDX — SZSX — DZ

Braccio di reazione / *Torque arm*



BRDX — BRSX

Angolo / *Angle*

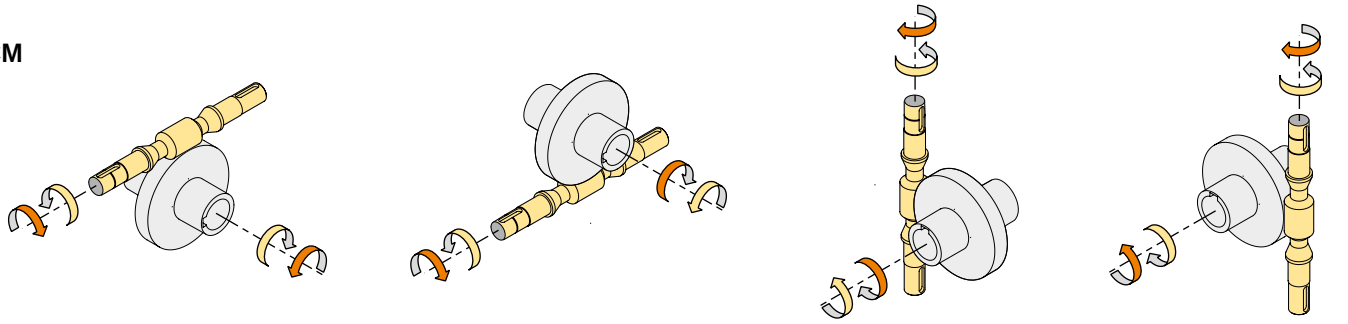


MOTORE CM / *CM MOTOR*

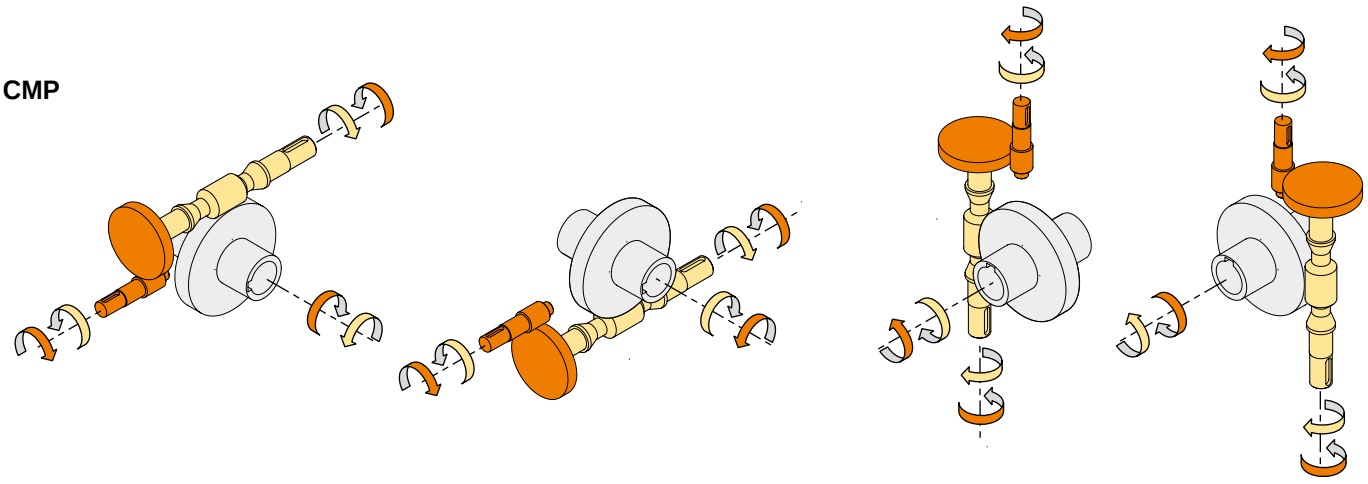
0.75kW	4p	3ph	230/400V	50Hz	T1
Potenza *Power*	Poli *Poles*	Fasi *Phases*	Tensione *Voltage*	Frequenza *Frequency*	Pos. morsettiera *Terminal box pos.*
Vedi tabelle *See tables*	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V ...	50Hz 60Hz	T1 (Std) T4 T2 T3

Sensi di rotazione — *Direction of rotation*

CM



CMP



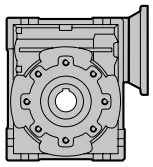
Simbologia — *Symbols*

n_1	[min^{-1}]	Velocità in ingresso / *Input speed*	sf		Fattore di servizio / *Service factor*
n_2	[min^{-1}]	Velocità in uscita / *Output speed*	Rd	%	Rendimento dinamico / *Dynamic efficiency*
i		Rapporto di riduzione / *Ratio*	Rs	%	Rendimento statico / *Static efficiency*
P_1	[kW]	Potenza in entrata / *Nominal input power*	R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
M_2	[Nm]	Coppia in uscita in funzione di P_1 / *Output torque referred to P_1*	A_2	N]	Carico assiale ammissibile in uscita / *Permitted output axial load*
Pn_1	[kW]	Potenza nominale in entrata / *Nominal input power*	Z		Numero di principi della vite / *Worm starts*
Mn_2	[Nm]	Coppia nominale in uscita in funzione di Pn_1 / *Nominal output torque referred to Pn_1*	β		Angolo d'elica / *Helix angle*

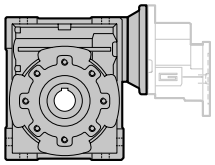
Lubrificazione — *Lubrication*

Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di monatggio e non necessitano di manutenzione.

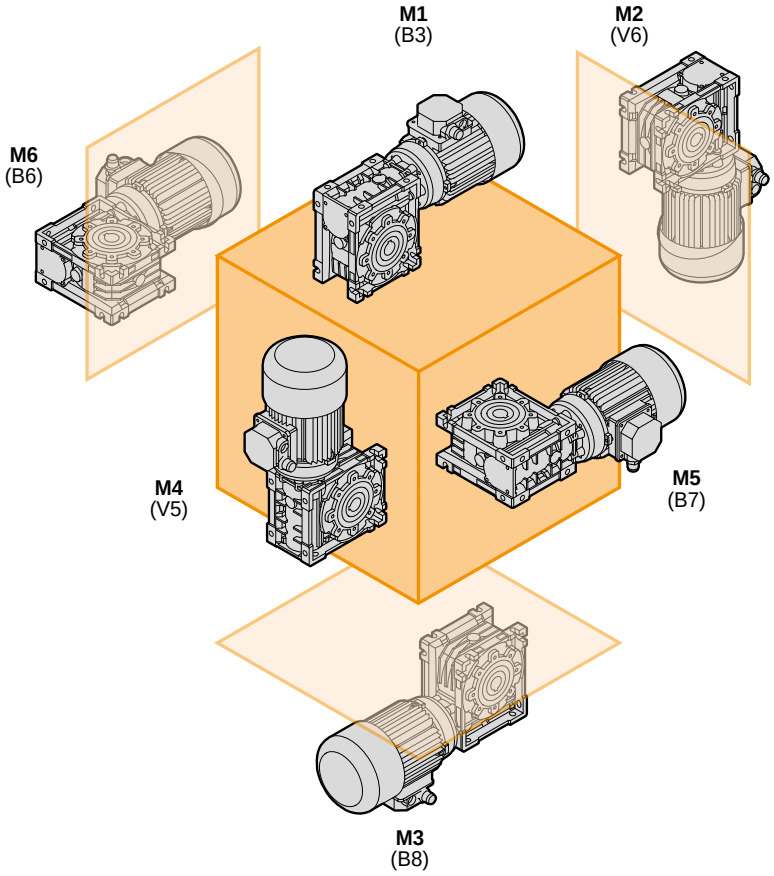
Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.



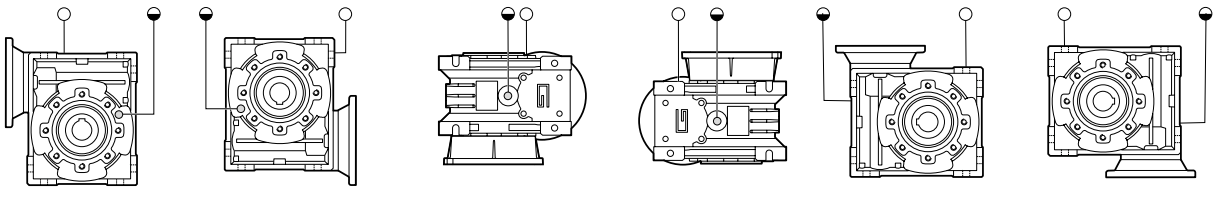
CM	**Quantità di olio** (litri) / ***Oil quantity*** *(litres)*					
	M1 (B3)	**M3** (B8)	**M6** (B6)	**M5** (B7)	**M4** (V5)	**M2** (V6)
130	4.5	3.3	3.5	3.5	4.5	3.3



CMP	**Quantità di olio** (litri) / ***Oil quantity*** *(litres)*					
	M1 (B3)	**M3** (B8)	**M6** (B6)	**M5** (B7)	**M4** (V5)	**M2** (V6)
080/130 - 090/130	4.5	3.3	3.5	3.5	4.5	3.3



CM_CMP 130

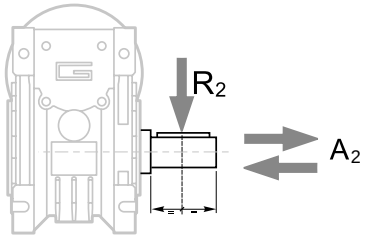


M1 (B3) (standard) | **M3** (B8) | **M6** (B6) | **M5** (B7) | **M4** (V5) | **M2** (V6)

○ Sfiato e tappo di riempimento / *Breather and filling plug*
◒ Livello olio / *Oil level plug*

Carichi radiali

Radial loads

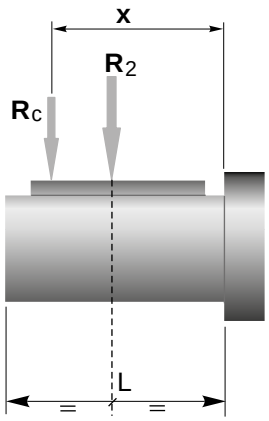


$A_2 = R_2 \times 0.2$

n_2 [min^{-1}]	R_2 [N]									
	CM026	CM030	CM040	CM050	CM063	CM070	CM075	CM090	CM110	CM130
187	400	674	1264	1770	2445	2613	2824	3161	5058	5732
140	490	743	1392	1949	2692	2878	3110	3481	5570	6313
93	580	851	1596	2234	3085	3298	3564	3990	6384	7235
70	610	936	1754	2456	3392	3626	3918	4386	7018	7953
56	610	1008	1890	2646	3654	3906	4221	4725	7560	8567
47	610	1069	2004	2805	3874	4141	4475	5009	8014	9083
35	610	1179	2210	3095	4273	4568	4937	5526	8842	10021
28	610	1270	2381	3334	4603	4921	5318	5953	9524	10794
23	610	1356	2542	3559	4915	5254	5678	6356	10170	11526
18	610	1471	2759	3862	5334	5702	6162	6897	11036	12507
14	610	1600	3000	4200	5800	6200	6700	7500	12000	13600
		CMP... /030	CMP... /040	CMP... /050	CMP... /063	CMP... /070	CMP... /075	CMP... /090	CMP... /110	CMP... /130

Quando il carico radiale risultante non è applicato sulla mezzeria dell'albero occorre calcolare quello effettivo con la seguente formula:

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



	CM	CM / CMP								
	026	030	040	050	063	070	075	090	110	130
a	56	65	84	101	120	122	131	182	176	188
b	43	50	64	76	95	92	101	122	136	148
R_{2MAX}	610	1600	3000	4200	5800	6200	6700	7500	12000	13600

$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = valori riportati nella tabella
a, b = values given in the table

Dati di dentatura — *Toothing data*

	Dati della coppia vite-corona *Worm wheel data*	Rapporto / *Ratio*											
		5	7.5	10	15	20	25	30	40	50	60	80	100
CM026	Z	6	4	3	2	2		1	1	1	1		
	β	34° 35'	24° 41'	19° 1'	12° 57 '	10° 30'		6° 33'	5° 17'	4° 26'	3°49'		
CM030	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	27° 4'	24° 28'	18° 50'	12° 49'	10° 23'	8° 43'	6° 29'	5° 14'	4° 23'	3° 46'	2° 57'	2° 25'
CM040	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	34° 19'	24° 28'	18° 50'	12° 49'	10° 23'	8° 43'	6° 29'	5° 14'	4° 23'	3°46'	2° 57'	2° 25'
CM050	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	33° 37'	23° 54'	18° 23'	12° 29'	10° 6'	8° 28'	6° 19'	5° 5'	4° 15'	3° 39'	2°51'	2° 20'
CM063	Z	6	4	3	2	2	2	1	1	1	1	1	1
	β	34° 23'	24° 31'	18° 53'	12° 50'	10° 24'	8° 44'	6° 30'	5° 14'	4° 23'	3° 47'	2° 57'	2° 25'
CM070	Z		4	3	2	2	2	1	1	1	1	1	1
	β		26°12'	20°15'	13°49'	11°15'	9°29'	7°0'	5°41'	4°46'	4°7'	3°13'	2°39'
CM075	Z		4	3	2	2	2	1	1	1	1	1	1
	β		26° 17'	20° 20'	13° 52'	11° 18'	9° 32'	7° 2'	5° 42'	4° 48'	4° 8'	3° 14'	2° 40'
CM090	Z		4	3	2	2	2	1	1	1	1	1	1
	β		29° 11'	22° 43'	15° 36'	12° 50'	10° 53'	7° 56'	6° 30'	5° 29'	4° 45'	3° 45'	3° 6'
CM110	Z		4	3	2	2	2	1	1	1	1	1	1
	β		28° 14'	21° 56'	15° 1'	14° 41'	12° 34'	7° 38'	7° 28'	6° 21'	5° 32'	4° 24'	3° 39'
CM130	Z		4	3	2	2	2	1	1	1	1	1	1
	β		28°43'	22°20'	15°19'	13°47'	11°54'	7°48'	7°00'	6°01'	5°16'	4°08'	3°27'

Rendimento — *Efficiency*

	n_1 [min^{-1}]	Rendimento *Efficiency*	Rapporto / *Ratio*											
			5	7.5	10	15	20	25	30	40	50	60	80	100
CM026	2800	Rd	89	87	85	83	80		73	68	64	60		
	1400		87	84	83	78	74		66	61	57	53		
	900		84	83	80	75	71		61	57	52	48		
		Rs	72	71	68	61	56	46	41	36	34			
CM030	2800	Rd	89	88	86	84	81	78	74	70	65	62	57	52
	1400		86	85	84	79	75	72	67	62	58	55	48	43
	900		84	83	81	75	71	68	62	58	53	49	43	39
		Rs	72	67	63	55	50	43	39	35	31	27	23	21
CM040	2800	Rd	90	89	87	84	83	80	77	73	69	66	60	56
	1400		88	86	84	81	78	74	70	65	60	58	52	46
	900		86	84	82	77	74	70	66	60	57	53	46	41
		Rs	74	71	67	60	55	51	45	40	36	32	28	24
CM050	2800	Rd	91	90	88	86	84	82	78	74	71	68	62	58
	1400		89	87	85	82	79	76	72	67	63	60	54	49
	900		87	85	84	79	75	72	68	62	59	55	48	43
		Rs	73	70	66	59	55	51	44	39	35	32	27	23
CM063	2800	Rd	91	90	88	86	84	83	79	76	73	70	65	60
	1400		90	88	86	84	81	78	75	70	66	63	57	52
	900		89	86	84	81	78	75	70	65	61	58	52	47
		Rs	73	71	67	60	55	51	45	40	36	33	28	24
CM070	2800	Rd		90	89	87	85	84	80	77	74	72	67	62
	1400			89	87	84	82	80	76	72	68	65	60	53
	900			87	85	82	79	77	72	67	63	60	54	49
		Rs		72	69	62	60	55	48	43	38	36	31	26
CM075	2800	Rd		90	89	87	85	84	81	78	75	72	68	63
	1400			89	87	84	83	80	77	73	69	66	60	56
	900			87	85	83	80	77	73	68	64	61	55	50
		Rs		73	69	62	59	55	48	43	39	36	31	27
CM090	2800	Rd		91	90	88	86	85	83	80	78	75	71	67
	1400			90	88	86	84	83	79	76	72	69	64	60
	900			88	87	84	82	80	76	72	68	65	60	55
		Rs		74	71	65	61	59	51	46	42	39	34	30
CM110	2800	Rd		90	89	88	87	86	82	81	79	77	73	70
	1400			89	88	86	85	84	80	79	76	73	68	64
	900			88	87	84	83	82	78	75	71	68	63	59
		Rs		74	71	64	64	60	50	49	46	42	37	33
CM130	2800	Rd		90	89	88	87	86	82	80	79	77	72	70
	1400			89	88	86	84	83	79	76	75	73	69	64
	900			88	87	84	82	81	77	74	73	70	64	59
		Rs		74	71	64	64	60	50	49	46	42	37	33

Rendimento teorico del riduttore dopo il rodaggio
Theoretical efficiency of the gearbox after the first running period

Dati tecnici — n_1 1400 min^{-1} — *Technical data*

CMIS026

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
280	13	0.44	5
187	14	0.33	7,5
140	14	0.25	10
93	14	0.18	15
70	14	0.14	20
47	15	0.11	30
35	14	0.08	40
28	13	0.07	50
23	12	0.06	60

CMIS030

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
280	18	0.61	5
187	20	0.46	7.5
140	21	0.37	10
93	21	0.26	15
70	19	0.19	20
56	20	0.16	25
47	22	0.16	30
35	20	0.12	40
28	19	0.10	50
23	17	0.08	60
18	15	0.06	80
14	14	0.05	100

CMIS040

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
280	41	1.37	5
187	44	1.00	7.5
140	45	0.79	10
93	45	0.54	15
70	40	0.38	20
56	38	0.30	25
47	48	0.34	30
35	42	0.24	40
28	39	0.19	50
23	36	0.15	60
18	33	0.12	80
14	31	0.10	100

CMIS050

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
280	75	2.5	5
187	79	1.8	7.5
140	82	1.4	10
93	82	0.98	15
70	72	0.67	20
56	70	0.54	25
47	88	0.60	30
35	76	0.42	40
28	72	0.34	50
23	69	0.28	60
18	60	0.20	80
14	56	0.17	100

CMIS063

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
280	134	4.4	5
187	144	3.2	7.5
140	148	2.5	10
93	154	1.8	15
70	136	1.23	20
56	135	1.0	25
47	166	1.1	30
35	142	0.74	40
28	136	0.60	50
23	126	0.49	60
18	118	0.38	80
14	116	0.33	100

Nota:
Pn_1 è la potenza meccanica.
La potenza applicabile è ridotta del fattore termico.
Per maggiori dettagli consultare il nostro Servizio Tecnico.

CMIS070

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
187	200	4.4	7.5
140	218	3.7	10
93	221	2.6	15
70	202	1.8	20
56	180	1.3	25
47	241	1.6	30
35	210	1.1	40
28	190	0.82	50
23	181	0.68	60
18	159	0.49	80
14	154	0.43	100

CMIS075

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
187	238	5.2	7.5
140	257	4.3	10
93	266	3.1	15
70	242	2.1	20
56	225	1.7	25
47	289	1.8	30
35	251	1.3	40
28	227	0.96	50
23	218	0.82	60
18	193	0.59	80
14	183	0.49	100

CMIS090

n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
187	342	7.4	7.5
140	380	6.2	10
93	433	4.9	15
70	414	3.6	20
56	369	2.6	25
47	493	3.0	30
35	434	2.1	40
28	385	1.55	50
23	352	1.23	60
18	324	0.92	80
14	299	0.72	100

CMIS110

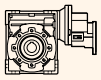
n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
187	605	13	7.5
140	669	11.0	10
93	730	8.2	15
70	740	6.0	20
56	670	4.7	25
47	815	4.9	30
35	768	3.6	40
28	699	1.7	50
23	626	1.1	60
18	562	1.51	80
14	523	1.19	100

CMIS130

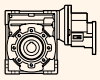
n_2 [min^{-1}]	Mn_2 [Nm]	Pn_1 [kW]	i
187	750	16.5	7.5
140	820	13.7	10
93	910	10.3	15
70	910	7.9	20
56	920	6.5	25
47	1050	6.5	30
35	1050	5.1	40
28	970	3.8	50
23	890	3.0	60
18	830	2.2	80
14	735	1.7	100

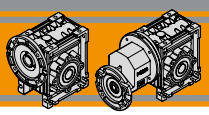
Note:
Pn_1 is an input mechanical power which must be reduced by the heating factor in order to get the relevant one. For more details please contact our Technical Service.

Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.06							
56A4	**280**	2	7.3	5	**CM026**		**B14**
(1400 min^{-1})	**187**	3	5.4	7.5	**CM026**		**B14**
	140	3	4.1	10	**CM026**		**B14**
	93	5	2.9	15	**CM026**		**B14**
	70	6	2.3	20	**CM026**		**B14**
	47	8	1.9	30	**CM026**		**B14**
	35	10	1.4	40	**CM026**		**B14**
	28	12	1.1	50	**CM026**		**B14**
	23	13	0.9	60	**CM026**		**B14**
	280	2	10.2	5	**CM030**		**B5/B14**
	187	3	7.7	7.5	**CM030**		**B5/B14**
	140	3	6.1	10	**CM030**		**B5/B14**
	93	5	4.3	15	**CM030**		**B5/B14**
	70	6	3.1	20	**CM030**		**B5/B14**
	56	7	2.7	25	**CM030**		**B5/B14**
	47	8	2.7	30	**CM030**		**B5/B14**
	35	10	2.0	40	**CM030**		**B5/B14**
	28	12	1.6	50	**CM030**		**B5/B14**
	23	14	1.3	60	**CM030**		**B5/B14**
	23	16	1.6	60		**CMP056/030**	**B14**
	19	19	1.4	75		**CMP056/030**	**B14**
	18	16	1.0	80	**CM030**		**B5/B14**
	16	21	1.5	90		**CMP056/030**	**B14**
	14	18	0.8	100	**CM030**		**B5/B14**
	12	26	1.1	120		**CMP056/030**	**B14**
	9.3	29	0.9	150		**CMP056/030**	**B14**
	28	12	3.2	50	**CM040**		**B5/B14**
	23	14	2.5	60	**CM040**		**B5/B14**
	23	17	3.4	60		**CMP056/040**	**B14**
	19	20	2.6	75		**CMP056/040**	**B14**
	18	17	1.9	80	**CM040**		**B5/B14**
	16	23	3.1	90		**CMP056/040**	**B14**
	14	19	1.6	100	**CM040**		**B5/B14**
	12	28	2.2	120		**CMP056/040**	**B14**
	9.3	32	1.8	150		**CMP056/040**	**B14**
	7.8	35	1.5	180		**CMP056/040**	**B14**
	5.8	41	1.1	240		**CMP056/040**	**B14**
	4.7	46	0.9	300		**CMP056/040**	**B14**
0.09							
56A2	**560**	1	7.3	5	**CM026**		**B14**
(2800 min^{-1})	**373**	2	5.5	7.5	**CM026**		**B14**
	280	3	4.2	10	**CM026**		**B14**
	187	4	2.9	15	**CM026**		**B14**
	140	5	2.2	20	**CM026**		**B14**
	93	7	1.8	30	**CM026**		**B14**
	70	8	1.3	40	**CM026**		**B14**
	56	10	1.0	50	**CM026**		**B14**
	47	11	0.8	60	**CM026**		**B14**
	140	5	2.8	20	**CM030**		**B5/B14**
	112	6	2.5	25	**CM030**		**B5/B14**
	93	7	2.6	30	**CM030**		**B5/B14**
	70	9	1.9	40	**CM030**		**B5/B14**
	56	10	1.5	50	**CM030**		**B5/B14**
	47	11	1.2	60	**CM030**		**B5/B14**
	47	13	1.7	60		**CMP056/030**	**B14**
	37	15	1.4	75		**CMP056/030**	**B14**
	35	14	0.9	80	**CM030**		**B5/B14**

Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.09							
56A2	**31**	17	1.6	90		**CMP056/030**	**B14**
(2800 min^{-1})	**28**	16	0.7	100	**CM030**		**B5/B14**
	23	21	1.1	120		**CMP056/030**	**B14**
	19	24	0.9	150		**CMP056/030**	**B14**
	47	12	2.4	60	**CM040**		**B5/B14**
	47	13	3.4	60		**CMP056/040**	**B14**
	37	16	2.8	75		**CMP056/040**	**B14**
	31	18	3.1	90		**CMP056/040**	**B14**
	23	22	2.2	120		**CMP056/040**	**B14**
	19	26	1.8	150		**CMP056/040**	**B14**
	16	29	1.5	180		**CMP056/040**	**B14**
	12	33	1.2	240		**CMP056/040**	**B14**
	9.3	37	1.0	300		**CMP056/040**	**B14**
56B4	**280**	3	4.9	5	**CM026**		**B14**
(1400 min^{-1})	**187**	4	3.6	7.5	**CM026**		**B14**
	140	5	2.7	10	**CM026**		**B14**
	93	7	1.9	15	**CM026**		**B14**
	70	9	1.5	20	**CM026**		**B14**
	47	12	1.2	30	**CM026**		**B14**
	35	15	0.9	40	**CM026**		**B14**
	28	17	0.7	50	**CM026**		**B14**
	280	3	6.8	5	**CM030**		**B5/B14**
	187	4	5.1	7.5	**CM030**		**B5/B14**
	140	5	4.1	10	**CM030**		**B5/B14**
	93	7	2.9	15	**CM030**		**B5/B14**
	70	9	2.1	20	**CM030**		**B5/B14**
	56	11	1.8	25	**CM030**		**B5/B14**
	47	12	1.8	30	**CM030**		**B5/B14**
	35	15	1.3	40	**CM030**		**B5/B14**
	28	18	1.1	50	**CM030**		**B5/B14**
	23	20	0.8	60	**CM030**		**B5/B14**
	23	24	1.1	60		**CMP056/030**	**B14**
	19	29	0.9	75		**CMP056/030**	**B14**
	18	24	0.6	80	**CM030**		**B5/B14**
	16	32	1.0	90		**CMP056/030**	**B14**
	12	38	0.8	120		**CMP056/030**	**B14**
	35	16	2.6	40	**CM040**		**B5/B14**
	28	18	2.1	50	**CM040**		**B5/B14**
	23	21	1.7	60	**CM040**		**B5/B14**
	23	25	2.3	60		**CMP056/040**	**B14**
	19	30	1.7	75		**CMP056/040**	**B14**
	18	26	1.3	80	**CM040**		**B5/B14**
	16	34	2.1	90		**CMP056/040**	**B14**
	14	28	1.1	100	**CM040**		**B5/B14**
	12	42	1.5	120		**CMP056/040**	**B14**
	9.3	48	1.2	150		**CMP056/040**	**B14**
	7.8	53	1.0	180		**CMP056/040**	**B14**
	5.8	62	0.8	240		**CMP056/040**	**B14**
63A6	**180**	4	5.2	5	**CM030**		**B5/B14**
(900 min^{-1})	**120**	6	4.0	7.5	**CM030**		**B5/B14**
	90	8	3.1	10	**CM030**		**B5/B14**
	60	11	2.3	15	**CM030**		**B5/B14**
	45	14	1.6	20	**CM030**		**B5/B14**
	36	16	1.4	25	**CM030**		**B5/B14**
	30	18	1.5	30	**CM030**		**B5/B14**
	23	22	1.0	40	**CM030**		**B5/B14**
	18	25	0.9	50	**CM030**		**B5/B14**



Dati tecnici

Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.09							
63A6 (900 min^{-1})	**45**	14	3.2	20	**CM040**		**B5/B14**
	36	17	2.6	25	**CM040**		**B5/B14**
	30	19	3.0	30	**CM040**		**B5/B14**
	23	23	2.1	40	**CM040**		**B5/B14**
	18	27	1.7	50	**CM040**		**B5/B14**
	15	30	1.4	60	**CM040**		**B5/B14**
	15	38	1.8	60		**CMP063/040**	**B14**
	12	45	1.4	75		**CMP063/040**	**B14**
	11	35	1.1	80	**CM040**		**B5/B14**
	10	48	1.7	90		**CMP063/040**	**B14**
	9	39	0.9	100	**CM040**		**B5/B14**
	7.5	58	1.2	120		**CMP063/040**	**B14**
	15	32	2.4	60	**CM050**		**B5/B14**
	15	38	3.3	60		**CMP063/050**	**B14**
	12	45	2.6	75		**CMP063/050**	**B14**
	11	37	1.9	80	**CM050**		**B5/B14**
	10	49	3.1	90		**CMP063/050**	**B14**
	9	41	1.6	100	**CM050**		**B5/B14**
	7.5	60	2.1	120		**CMP063/050**	**B14**
	6.0	67	1.8	150		**CMP063/050**	**B14**
	5.0	74	1.4	180		**CMP063/050**	**B14**
	3.8	85	1.1	240		**CMP063/050**	**B14**
	6.0	72	3.0	150		**CMP063/063**	**B14**
	5.0	79	2.5	180		**CMP063/063**	**B14**
	3.8	90	1.9	240		**CMP063/063**	**B14**
	3.0	101	1.5	300		**CMP063/063**	**B14**
0.12							
56B2 (2800 min^{-1})	**560**	2	5.5	5	**CM026**		**B14**
	373	3	4.1	7.5	**CM026**		**B14**
	280	3	3.2	10	**CM026**		**B14**
	187	5	2.2	15	**CM026**		**B14**
	140	7	1.7	20	**CM026**		**B14**
	93	9	1.3	30	**CM026**		**B14**
	70	11	1.0	40	**CM026**		**B14**
	56	13	0.8	50	**CM026**		**B14**
	560	2	7.1	5	**CM030**		**B5/B14**
	373	3	5.6	7.5	**CM030**		**B5/B14**
	280	4	4.5	10	**CM030**		**B5/B14**
	187	5	3.1	15	**CM030**		**B5/B14**
	140	7	2.1	20	**CM030**		**B5/B14**
	112	8	1.9	25	**CM030**		**B5/B14**
	93	9	2.0	30	**CM030**		**B5/B14**
	70	11	1.4	40	**CM030**		**B5/B14**
	56	13	1.1	50	**CM030**		**B5/B14**
	47	15	0.9	60	**CM030**		**B5/B14**
	47	17	1.3	60		**CMP056/030**	**B14**
	37	20	1.1	75		**CMP056/030**	**B14**
	31	22	1.2	90		**CMP056/030**	**B14**
	23	28	0.8	120		**CMP056/030**	**B14**
	93	9	4.0	30	**CM040**		**B5/B14**
	70	12	2.8	40	**CM040**		**B5/B14**
	56	14	2.3	50	**CM040**		**B5/B14**
	47	16	1.8	60	**CM040**		**B5/B14**
	47	18	2.5	60		**CMP056/040**	**B5/B14**
	37	21	2.1	75		**CMP056/040**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.12							
56B2 (2800 min^{-1})	**35**	20	1.4	80	**CM040**		**B5/B14**
	31	24	2.4	90		**CMP056/040**	**B14**
	28	23	1.0	100	**CM040**		**B5/B14**
	23	29	1.7	120		**CMP056/040**	**B14**
	19	34	1.3	150		**CMP056/040**	**B14**
	16	38	1.1	180		**CMP056/040**	**B14**
	12	44	0.9	240		**CMP056/040**	**B14**
63A4 (1400 min^{-1})	**280**	4	5.1	5	**CM030**		**B5/B14**
	187	5	3.8	7.5	**CM030**		**B5/B14**
	140	7	3.1	10	**CM030**		**B5/B14**
	93	10	2.2	15	**CM030**		**B5/B14**
	70	12	1.5	20	**CM030**		**B5/B14**
	56	15	1.4	25	**CM030**		**B5/B14**
	47	16	1.3	30	**CM030**		**B5/B14**
	35	20	1.0	40	**CM030**		**B5/B14**
	28	24	0.8	50	**CM030**		**B5/B14**
	280	4	11.4	5	**CM040**		**B5/B14**
	187	5	8.3	7.5	**CM040**		**B5/B14**
	140	7	6.5	10	**CM040**		**B5/B14**
	93	10	4.5	15	**CM040**		**B5/B14**
	70	13	3.1	20	**CM040**		**B5/B14**
	56	15	2.5	25	**CM040**		**B5/B14**
	47	17	2.8	30	**CM040**		**B5/B14**
	35	21	2.0	40	**CM040**		**B5/B14**
	28	25	1.6	50	**CM040**		**B5/B14**
	23	28	1.3	60	**CM040**		**B5/B14**
	23	34	1.7	60		**CMP063/040**	**B14**
	19	40	1.3	75		**CMP063/040**	**B14**
	18	34	1.0	80	**CM040**		**B5/B14**
	16	45	1.6	90		**CMP063/040**	**B14**
	14	38	0.8	100	**CM040**		**B5/B14**
	12	56	1.1	120		**CMP063/040**	**B14**
	35	22	3.5	40	**CM050**		**B5/B14**
	28	26	2.8	50	**CM050**		**B5/B14**
	23	29	2.3	60	**CM050**		**B5/B14**
	23	34	3.0	60		**CMP063/050**	**B14**
	19	40	2.3	75		**CMP063/050**	**B14**
	18	35	1.7	80	**CM050**		**B5/B14**
	16	47	2.7	90		**CMP063/050**	**B14**
	14	40	1.4	100	**CM050**		**B5/B14**
	12	57	1.9	120		**CMP063/050**	**B14**
	9.3	66	1.6	150		**CMP063/050**	**B14**
	7.8	74	1.3	180		**CMP063/050**	**B14**
	5.8	85	1.0	240		**CMP063/050**	**B14**
	14.0	43	2.7	100	**CM063**		**B5**
	9.3	69	2.8	150		**CMP063/063**	**B14**
	7.8	77	2.3	180		**CMP063/063**	**B14**
	5.8	90	1.7	240		**CMP063/063**	**B14**
	4.7	101	1.4	300		**CMP063/063**	**B14**
63B6 (900 min^{-1})	**180**	5	3.9	5	**CM030**		**B5/B14**
	120	8	3.0	7.5	**CM030**		**B5/B14**
	90	10	2.3	10	**CM030**		**B5/B14**
	60	14	1.7	15	**CM030**		**B5/B14**
	45	18	1.2	20	**CM030**		**B5/B14**
	36	22	1.0	25	**CM030**		**B5/B14**
	30	24	1.1	30	**CM030**		**B5/B14**
	23	30	0.8	40	**CM030**		**B5/B14**

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P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.12							
63B6 (900 min^{-1})	**60**	15	3.7	15	**CM040**		**B5/B14**
	45	19	2.4	20	**CM040**		**B5/B14**
	36	22	2.0	25	**CM040**		**B5/B14**
	30	25	2.2	30	**CM040**		**B5/B14**
	23	31	1.6	40	**CM040**		**B5/B14**
	18	36	1.3	50	**CM040**		**B5/B14**
	15	40	1.1	60	**CM040**		**B5/B14**
	15	50	1.3	60		**CMP063/040**	**B14**
	12	60	1.1	75		**CMP063/040**	**B14**
	11	47	0.9	80	**CM040**		**B5/B14**
	10	64	1.3	90		**CMP063/040**	**B14**
	7.5	78	0.9	120		**CMP063/040**	**B14**
	30	26	3.8	30	**CM050**		**B5/B14**
	23	32	2.7	40	**CM050**		**B5/B14**
	18	38	2.2	50	**CM050**		**B5/B14**
	15	42	1.8	60	**CM050**		**B5/B14**
	15	50	2.5	60		**CMP063/050**	**B14**
	12	59	1.9	75		**CMP063/050**	**B14**
	11	49	1.4	80	**CM050**		**B5/B14**
	10	65	2.3	90		**CMP063/050**	**B14**
	9	55	1.2	100	**CM050**		**B5/B14**
	7.5	79	1.6	120		**CMP063/050**	**B14**
	6.0	90	1.3	150		**CMP063/050**	**B14**
	5.0	99	1.1	180		**CMP063/050**	**B14**
	3.8	114	0.8	240		**CMP063/050**	**B14**
	11,3	53	2.4	80	**CM063**		**B5**
	9,0	60	2.0	100	**CM063**		**B5**
	7.5	82	2.9	120		**CMP063/063**	**B14**
	6.0	95	2.3	150		**CMP063/063**	**B14**
	5.0	106	1.9	180		**CMP063/063**	**B14**
	3.8	120	1.4	240		**CMP063/063**	**B14**
	3.0	135	1.2	300		**CMP063/063**	**B14**
0.18							
63A2 (2800 min^{-1})	**560**	3	4.8	5	**CM030**		**B5/B14**
	373	4	3.7	7.5	**CM030**		**B5/B14**
	280	5	3.0	10	**CM030**		**B5/B14**
	187	8	2.1	15	**CM030**		**B5/B14**
	140	10	1.4	20	**CM030**		**B5/B14**
	112	12	1.3	25	**CM030**		**B5/B14**
	93	14	1.3	30	**CM030**		**B5/B14**
	70	17	0.9	40	**CM030**		**B5/B14**
	56	20	0.8	50	**CM030**		**B5/B14**
	140	10	3.0	20	**CM040**		**B5/B14**
	112	12	2.3	25	**CM040**		**B5/B14**
	93	14	2.7	30	**CM040**		**B5/B14**
	70	18	1.9	40	**CM040**		**B5/B14**
	56	21	1.5	50	**CM040**		**B5/B14**
	47	24	1.2	60	**CM040**		**B5/B14**
	47	27	1.7	60		**CMP063/040**	**B14**
	37	32	1.4	75		**CMP063/040**	**B14**
	35	29	0.9	80	**CM040**		**B5/B14**
	31	36	1.6	90		**CMP063/040**	**B14**
	23	43	1.1	120		**CMP063/040**	**B14**
	56	22	2.6	50	**CM050**		**B5/B14**
	47	25	2.1	60	**CM050**		**B5/B14**
	47	27	3.0	60		**CMP063/050**	**B14**
	37	32	2.3	75		**CMP063/050**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.18							
63A2 (2800 min^{-1})	**35**	30	1.5	80	**CM050**		**B5/B14**
	31	37	2.7	90		**CMP063/050**	**B14**
	28	36	1.2	100	**CM050**		**B5/B14**
	23	45	1.9	120		**CMP063/050**	**B14**
	19	53	1.5	150		**CMP063/050**	**B14**
	16	60	1.3	180		**CMP063/050**	**B14**
	12	69	1.0	240		**CMP063/050**	**B14**
	35	32	2.7	80	**CM063**		**B5**
	28	37	2.2	100	**CM063**		**B5**
	19	55	2.7	150		**CMP063/063**	**B14**
	16	63	2.3	180		**CMP063/063**	**B14**
	12	75	1.7	240		**CMP063/063**	**B14**
	9.3	85	1.4	300		**CMP063/063**	**B14**
63B4 (1400 min^{-1})	**280**	5	3.4	5	**CM030**		**B5/B14**
	187	8	2.6	7.5	**CM030**		**B5/B14**
	140	10	2.0	10	**CM030**		**B5/B14**
	93	15	1.4	15	**CM030**		**B5/B14**
	70	18	1.0	20	**CM030**		**B5/B14**
	56	22	0.9	25	**CM030**		**B5/B14**
	47	25	0.9	30	**CM030**		**B5/B14**
	280	5	7.6	5	**CM040**		**B5/B14**
	187	8	5.6	7.5	**CM040**		**B5/B14**
	140	10	4.4	10	**CM040**		**B5/B14**
	93	15	3.0	15	**CM040**		**B5/B14**
	70	19	2.1	20	**CM040**		**B5/B14**
	56	23	1.7	25	**CM040**		**B5/B14**
	47	26	1.9	30	**CM040**		**B5/B14**
	35	32	1.3	40	**CM040**		**B5/B14**
	28	37	1.1	50	**CM040**		**B5/B14**
	23	43	0.8	60	**CM040**		**B5/B14**
	23	51	1.1	60		**CMP063/040**	**B14**
	19	60	0.9	75		**CMP063/040**	**B14**
	16	68	1.0	90		**CMP063/040**	**B14**
	35	33	2.3	40	**CM050**		**B5/B14**
	28	39	1.9	50	**CM050**		**B5/B14**
	23	44	1.6	60	**CM050**		**B5/B14**
	23	51	2.0	60		**CMP063/050**	**B14**
	19	60	1.5	75		**CMP063/050**	**B14**
	18	53	1.1	80	**CM050**		**B5/B14**
	16	70	1.8	90		**CMP063/050**	**B14**
	14	60	0.9	100	**CM050**		**B5/B14**
	12	85	1.3	120		**CMP063/050**	**B14**
	9.3	99	1.0	150		**CMP063/050**	**B14**
	7.8	110	0.9	180		**CMP063/050**	**B14**
	23	46	2.7	60	**CM063**		**B5**
	23	53	3.6	60		**CMP063/063**	**B14**
	19	63	2.7	75		**CMP063/063**	**B14**
	18	56	2.1	80	**CM063**		**B5**
	16	69	3.4	90		**CMP063/063**	**B14**
	14	64	1.8	100	**CM063**		**B5**
	12	87	2.4	120		**CMP063/063**	**B14**
	9.3	103	1.9	150		**CMP063/063**	**B14**
	7.8	115	1.6	180		**CMP063/063**	**B14**
	5.8	136	1.1	240		**CMP063/063**	**B14**
	4.7	152	0.9	300		**CMP063/063**	**B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.18							
71A6 (900 min^{-1})	**180**	8	5.7	5	**CM040**		**B5/B14**
	120	12	4.2	7.5	**CM040**		**B5/B14**
	90	16	3.3	10	**CM040**		**B5/B14**
	60	22	2.4	15	**CM040**		**B5/B14**
	45	28	1.6	20	**CM040**		**B5/B14**
	36	33	1.3	25	**CM040**		**B5/B14**
	30	38	1.5	30	**CM040**		**B5/B14**
	23	46	1.0	40	**CM040**		**B5/B14**
	36	34	2.2	25	**CM050**		**B5/B14**
	30	39	2.5	30	**CM050**		**B5/B14**
	23	47	1.8	40	**CM050**		**B5/B14**
	18	56	1.4	50	**CM050**		**B5/B14**
	15	63	1.2	60	**CM050**		**B5/B14**
	15	75	1.7	60		**CMP071/050**	**B14**
	12	88	1.3	75		**CMP071/050**	**B14**
	11	73	0.9	80	**CM050**		**B5/B14**
	10	98	1.5	90		**CMP071/050**	**B14**
	18	58	2.6	50	**CM063**		**B5/B14**
	15	66	2.1	60	**CM063**		**B5/B14**
	15	77	3.0	60		**CMP071/063**	**B14**
	12	91	2.3	75		**CMP071/063**	**B14**
	11	79	1.6	80	**CM063**		**B5/B14**
	10	101	2.8	90		**CMP071/063**	**B14**
	9	90	1.4	100	**CM063**		**B5/B14**
	7.5	124	2.0	120		**CMP071/063**	**B14**
	6.0	143	1.5	150		**CMP071/063**	**B14**
	5.0	158	1.3	180		**CMP071/063**	**B14**
	11	83	2.3	80	**CM070**		**B5**
	9	94	1.8	100	**CM070**		**B5**
	7.5	128	2.8	120		**CMP071/070**	**B14**
	6.0	149	2.1	150		**CMP071/070**	**B14**
	5.0	165	1.8	180		**CMP071/070**	**B14**
	3.8	193	1.3	240		**CMP071/070**	**B14**
	3.0	213	1.1	300		**CMP071/070**	**B14**
	11	84	2.7	80	**CM075**		**B5**
	9	96	2.1	100	**CM075**		**B5**
	7.5	130	3.3	120		**CMP071/075**	**B14**
	6.0	152	2.5	150		**CMP071/075**	**B14**
	5.0	168	2.1	180		**CMP071/075**	**B14**
	3.8	193	1.6	240		**CMP071/075**	**B14**
	3.0	213	1.3	300		**CMP071/075**	**B14**
	5.0	182	3.2	180		**CMP071/090**	**B14**
	3.8	211	2.4	240		**CMP071/090**	**B14**
	3.0	241	1.9	300		**CMP071/090**	**B14**
0.22							
63C4 (1400 min^{-1})	**280**	6	2.8	5	**CM030**		**B5/B14**
	187	10	2.1	7.5	**CM030**		**B5/B14**
	140	13	1.7	10	**CM030**		**B5/B14**
	93	18	1.2	15	**CM030**		**B5/B14**
	70	23	0.8	20	**CM030**		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.22							
63C4 (1400 min^{-1})	**280**	7	6.2	5	**CM040**		**B5/B14**
	187	10	4.5	7.5	**CM040**		**B5/B14**
	140	13	3.6	10	**CM040**		**B5/B14**
	93	18	2.5	15	**CM040**		**B5/B14**
	70	23	1.7	20	**CM040**		**B5/B14**
	56	28	1.4	25	**CM040**		**B5/B14**
	47	32	1.5	30	**CM040**		**B5/B14**
	35	39	1.1	40	**CM040**		**B5/B14**
	28	45	0.9	50	**CM040**		**B5/B14**
	23	62	0.9	60		**CMP063/040**	**B14**
	19	73	0.7	75		**CMP063/040**	**B14**
	16	83	0.9	90		**CMP063/040**	**B14**
	56	29	2,5	25	**CM050**		**B5/B14**
	47	32	2,7	30	**CM050**		**B5/B14**
	35	40	1.9	40	**CM050**		**B5/B14**
	28	47	1.5	50	**CM050**		**B5/B14**
	23	54	1.3	60	**CM050**		**B5/B14**
	23	63	1.6	60		**CMP063/050**	**B14**
	19	74	1.2	75		**CMP063/050**	**B14**
	18	65	0.9	80	**CM050**		**B5/B14**
	16	86	1.5	90		**CMP063/050**	**B14**
	14	74	0.8	100	**CM050**		**B5/B14**
	12	104	1.1	120		**CMP063/050**	**B14**
	9.3	121	0.9	150		**CMP063/050**	**B14**
	23	57	2.2	60	**CM063**		**B5**
	23	64	2.9	60		**CMP063/063**	**B14**
	19	77	2.2	75		**CMP063/063**	**B14**
	18	68	1.7	80	**CM063**		**B5**
	16	85	2.8	90		**CMP063/063**	**B14**
	14	78	1.5	100	**CM063**		**B5**
	12	106	1.9	120		**CMP063/063**	**B14**
	9.3	126	1.5	150		**CMP063/063**	**B14**
	7.8	140	1.3	180		**CMP063/063**	**B14**
	5.8	166	0.9	240		**CMP063/063**	**B14**
	4.7	185	0.8	300		**CMP063/063**	**B14**
0.25							
63B2 (2800 min^{-1})	**560**	4	3.4	5	**CM030**		**B5/B14**
	373	6	2.7	7.5	**CM030**		**B5/B14**
	280	7	2.2	10	**CM030**		**B5/B14**
	187	11	1.5	15	**CM030**		**B5/B14**
	140	14	1.0	20	**CM030**		**B5/B14**
	112	17	0.9	25	**CM030**		**B5/B14**
	93	19	1.0	30	**CM030**		**B5/B14**
	140	14	2.2	20	**CM040**		**B5/B14**
	112	17	1.6	25	**CM040**		**B5/B14**
	93	20	1.9	30	**CM040**		**B5/B14**
	70	25	1.4	40	**CM040**		**B5/B14**
	56	29	1.1	50	**CM040**		**B5/B14**
	47	34	0.9	60	**CM040**		**B5/B14**
	47	37	1.2	60		**CMP063/040**	**B14**
	37	44	1.0	75		**CMP063/040**	**B14**
	31	50	1.1	90		**CMP063/040**	**B14**
	23	60	0.8	120		**CMP063/040**	**B14**

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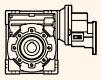
Technical data

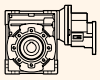
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.25							
63B2 (2800 min^{-1})	**70**	25	2.3	40	**CM050**		**B5/B14**
	56	30	1.9	50	**CM050**		**B5/B14**
	47	35	1.5	60	**CM050**		**B5/B14**
	47	38	2.1	60		**CMP063/050**	**B14**
	37	45	1.7	75		**CMP063/050**	**B14**
	35	42	1.1	80	**CM050**		**B5/B14**
	31	51	1.9	90		**CMP063/050**	**B14**
	28	49	0.9	100	**CM050**		**B5/B14**
	23	62	1.4	120		**CMP063/050**	**B14**
	19	74	1.1	150		**CMP063/050**	**B14**
	16	83	0.9	180		**CMP063/050**	**B14**
	35	44	2.0	80	**CM063**		**B5**
	31	53	3.5	90		**CMP063/063**	**B14**
	28	51	1.6	100	**CM063**		**B5**
	23	65	2.5	120		**CMP063/063**	**B14**
	19	76	2.0	150		**CMP063/063**	**B14**
	16	87	1.6	180		**CMP063/063**	**B14**
	12	104	1.2	240		**CMP063/063**	**B14**
	9.3	118	1.0	300		**CMP063/063**	**B14**
71A4 (1400 min^{-1})	**280**	8	5.5	5	**CM040**		**B5/B14**
	187	11	4.0	7.5	**CM040**		**B5/B14**
	140	14	3.1	10	**CM040**		**B5/B14**
	93	21	2.2	15	**CM040**		**B5/B14**
	70	27	1.5	20	**CM040**		**B5/B14**
	56	32	1.2	25	**CM040**		**B5/B14**
	47	36	1.3	30	**CM040**		**B5/B14**
	35	44	0.9	40	**CM040**		**B5/B14**
	70	27	2.7	20	**CM050**		**B5/B14**
	56	32	2.2	25	**CM050**		**B5/B14**
	47	37	2.4	30	**CM050**		**B5/B14**
	35	46	1.7	40	**CM050**		**B5/B14**
	28	54	1.3	50	**CM050**		**B5/B14**
	23	61	1.1	60	**CM050**		**B5/B14**
	23	71	1.4	60		**CMP071/050**	**B14**
	19	84	1.1	75		**CMP071/050**	**B14**
	18	74	0.8	80	**CM050**		**B5/B14**
	16	98	1.3	90		**CMP071/050**	**B14**
	28	56	2.4	50	**CM063**		**B5/B14**
	23	64	2.0	60	**CM063**		**B5/B14**
	23	73	2.6	60		**CMP071/063**	**B14**
	19	88	2.0	75		**CMP071/063**	**B14**
	18	78	1.5	80	**CM063**		**B5/B14**
	16	96	2.4	90		**CMP071/063**	**B14**
	14	89	1.3	100	**CM063**		**B5/B14**
	12	120	1.7	120		**CMP071/063**	**B14**
	9.3	143	1.3	150		**CMP071/063**	**B14**
	7.8	159	1.1	180		**CMP071/063**	**B14**
	18	82	1.9	80	**CM070**		**B5**
	16	99	3.1	90		**CMP071/070**	**B14**
	14	90	1.7	100	**CM070**		**B5**
	12	122	2.2	120		**CMP071/070**	**B14**
	9.3	143	1.8	150		**CMP071/070**	**B14**
	7.8	159	1.4	180		**CMP071/070**	**B14**
	5.8	189	1.1	240		**CMP071/070**	**B14**
	4.7	211	1.9	300		**CMP071/070**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.25							
71A4 (1400 min^{-1})	**18**	82	2.4	80	**CM075**		**B5**
	16	101	4.0	90		**CMP071/075**	**B14**
	14	96	1.9	100	**CM075**		**B5**
	12	124	2.9	120		**CMP071/075**	**B14**
	9.3	145	2.3	150		**CMP071/075**	**B14**
	7.8	162	1.9	180		**CMP071/075**	**B14**
	5.8	193	1.4	240		**CMP071/075**	**B14**
	4.7	216	1.1	300		**CMP071/075**	**B14**
	7.8	177	2.8	180		**CMP071/090**	**B14**
	5.8	209	2.2	240		**CMP071/090**	**B14**
	4.7	236	1.7	300		**CMP071/090**	**B14**
71B6 (900 min^{-1})	**180**	11	4.1	5	**CM040**		**B5/B14**
	120	17	3.1	7.5	**CM040**		**B5/B14**
	90	22	2.4	10	**CM040**		**B5/B14**
	60	31	1.8	15	**CM040**		**B5/B14**
	45	39	1.1	20	**CM040**		**B5/B14**
	36	46	0.9	25	**CM040**		**B5/B14**
	30	53	1.1	30	**CM040**		**B5/B14**
	23	64	0.8	40	**CM040**		**B5/B14**
	45	40	2.0	20	**CM050**		**B5/B14**
	36	48	1.6	25	**CM050**		**B5/B14**
	30	54	1.8	30	**CM050**		**B5/B14**
	23	66	1.3	40	**CM050**		**B5/B14**
	18	78	1.0	50	**CM050**		**B5/B14**
	15	88	0.9	60	**CM050**		**B5/B14**
	15	105	1.2	60		**CMP071/050**	**B14**
	12	123	0.9	75		**CMP071/050**	**B14**
	10	136	1.1	90		**CMP071/050**	**B14**
	23	69	2.3	40	**CM063**		**B5/B14**
	18	81	1.9	50	**CM063**		**B5/B14**
	15	92	1.5	60	**CM063**		**B5/B14**
	15	108	2.1	60		**CMP071/063**	**B14**
	12	127	1.7	75		**CMP071/063**	**B14**
	11	110	1.2	80	**CM063**		**B5/B14**
	10	140	2.0	90		**CMP071/063**	**B14**
	9	125	1.0	100	**CM063**		**B5/B14**
	7.5	172	1.4	120		**CMP071/063**	**B14**
	6.0	199	1.1	150		**CMP071/063**	**B14**
	5.0	220	0.9	180		**CMP071/063**	**B14**
	18	84	2.6	50	**CM070**		**B5**
	15	96	2.2	60	**CM070**		**B5**
	11	115	1.6	80	**CM070**		**B5**
	10	145	2.9	90		**CMP071/070**	**B14**
	9	130	1.3	100	**CM070**		**B5**
	7.5	178	2.0	120		**CMP071/070**	**B14**
	6.0	207	1.5	150		**CMP071/070**	**B14**
	5.0	229	1.3	180		**CMP071/070**	**B14**
	3.8	268	0.9	240		**CMP071/070**	**B14**
	3.0	296	0.8	300		**CMP071/070**	**B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.25							
71B6	**15**	96	2.6	60	**CM075**		**B5**
(900 min^{-1})	**11**	117	1.9	80	**CM075**		**B5**
	10	147	3.1	90		**CMP071/075**	**B14**
	9	133	1.5	100	**CM075**		**B5**
	7.5	181	2.4	120		**CMP071/075**	**B14**
	6.0	211	1.8	150		**CMP071/075**	**B14**
	5.0	234	1.5	180		**CMP071/075**	**B14**
	3.8	268	1.1	240		**CMP071/075**	**B14**
	3.0	296	0.9	300		**CMP071/075**	**B14**
	6.0	222	2.9	150		**CMP071/090**	**B14**
	5.0	253	2.3	180		**CMP071/090**	**B14**
	3.8	293	1.7	240		**CMP071/090**	**B14**
	3.0	335	1.4	300		**CMP071/090**	**B14**
0.37							
71A2	**560**	6	5.1	5	**CM040**		**B5/B14**
(2800 min^{-1})	**373**	8	3.7	7.5	**CM040**		**B5/B14**
	280	11	3.0	10	**CM040**		**B5/B14**
	187	16	2.2	15	**CM040**		**B5/B14**
	140	21	1.5	20	**CM040**		**B5/B14**
	112	25	1.1	25	**CM040**		**B5/B14**
	93	29	1.3	30	**CM040**		**B5/B14**
	70	37	0.9	40	**CM040**		**B5/B14**
	112	26	2.0	25	**CM050**		**B5/B14**
	93	30	2.3	30	**CM050**		**B5/B14**
	70	37	1.6	40	**CM050**		**B5/B14**
	56	45	1.3	50	**CM050**		**B5/B14**
	47	51	1.0	60	**CM050**		**B5/B14**
	47	56	1.4	60		**CMP071/050**	**B14**
	37	67	1.1	75		**CMP071/050**	**B14**
	31	76	1.3	90		**CMP071/050**	**B14**
	56	46	2.2	50	**CM063**		**B5/B14**
	47	53	1.8	60	**CM063**		**B5/B14**
	47	58	2.7	60		**CMP071/063**	**B14**
	37	70	2.0	75		**CMP071/063**	**B14**
	35	66	1.3	80	**CM063**		**B5/B14**
	31	78	2.4	90		**CMP071/063**	**B14**
	28	76	1.1	100	**CM063**		**B5/B14**
	23	96	1.7	120		**CMP071/063**	**B14**
	19	113	1.3	150		**CMP071/063**	**B14**
	16	129	1.1	180		**CMP071/063**	**B14**
	35	68	1.9	80	**CM070**		**B5**
	28	78	1.5	100	**CM070**		**B5**
	23	99	2.4	120		**CMP071/070**	**B14**
	19	117	1.8	150		**CMP071/070**	**B14**
	16	134	1.6	180		**CMP071/070**	**B14**
	12	160	1.2	240		**CMP071/070**	**B14**
	9.3	182	0.9	300		**CMP071/070**	**B14**
	35	68	2.2	80	**CM075**		**B5**
	28	80	1.7	100	**CM075**		**B5**
	23	101	2.8	120		**CMP071/075**	**B14**
	19	119	2.2	150		**CMP071/075**	**B14**
	16	134	1.9	180		**CMP071/075**	**B14**
	12	163	1.4	240		**CMP071/075**	**B14**
	9.3	186	1.1	300		**CMP071/075**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.37							
71A2	**16**	142	2.9	180		**CMP071/090**	**B14**
(2800 min^{-1})	**12**	175	2.2	240		**CMP071/090**	**B14**
	9.3	200	1.7	300		**CMP071/090**	**B14**
71B4	**280**	11	3.7	5	**CM040**		**B5/B14**
(1400 min^{-1})	**187**	16	2.7	7.5	**CM040**		**B5/B14**
	140	21	2.1	10	**CM040**		**B5/B14**
	93	31	1.5	15	**CM040**		**B5/B14**
	70	39	1.0	20	**CM040**		**B5/B14**
	56	47	0.8	25	**CM040**		**B5/B14**
	47	53	0.9	30	**CM040**		**B5/B14**
	93	31	2.6	15	**CM050**		**B5/B14**
	70	40	1.8	20	**CM050**		**B5/B14**
	56	48	1.5	25	**CM050**		**B5/B14**
	47	55	1.6	30	**CM050**		**B5/B14**
	35	68	1.1	40	**CM050**		**B5/B14**
	28	80	0.9	50	**CM050**		**B5/B14**
	23	91	0.8	60	**CM050**		**B5/B14**
	23	105	1.0	60		**CMP071/050**	**B14**
	19	124	0.7	75		**CMP071/050**	**B14**
	16	145	0.9	90		**CMP071/050**	**B14**
	35	71	2.0	40	**CM063**		**B5/B14**
	28	83	1.6	50	**CM063**		**B5/B14**
	23	95	1.3	60	**CM063**		**B5/B14**
	23	108	1.7	60		**CMP071/063**	**B14**
	19	130	1.3	75		**CMP071/063**	**B14**
	18	115	1.0	80	**CM063**		**B5/B14**
	16	142	1.6	90		**CMP071/063**	**B14**
	14	131	0.9	100	**CM063**		**B5/B14**
	12	178	1.2	120		**CMP071/063**	**B14**
	9.3	211	0.9	150		**CMP071/063**	**B14**
	7.8	236	0.8	180		**CMP071/063**	**B14**
	28	86	2.2	50	**CM070**		**B5**
	23	98	1.8	60	**CM070**		**B5**
	23	110	2.6	60		**CMP071/070**	**B14**
	19	132	1.9	75		**CMP071/070**	**B14**
	18	121	1.3	80	**CM070**		**B5**
	16	147	2.3	90		**CMP071/070**	**B14**
	14	134	1.2	100	**CM070**		**B5**
	12	181	1.7	120		**CMP071/070**	**B14**
	9.3	211	1.3	150		**CMP071/070**	**B14**
	7.8	236	1.1	180		**CMP071/070**	**B14**
	5.8	279	0.8	240		**CMP071/070**	**B14**
	28	87	2.6	50	**CM075**		**B5**
	23	100	2.2	60	**CM075**		**B5**
	23	111	3.0	60		**CMP071/075**	**B14**
	19	134	2.2	75		**CMP071/075**	**B14**
	18	121	1.6	80	**CM075**		**B5**
	16	149	2.7	90		**CMP071/075**	**B14**
	14	141	1.3	100	**CM075**		**B5**
	12	184	2.0	120		**CMP071/075**	**B14**
	9.3	215	1.5	150		**CMP071/075**	**B14**
	7.8	240	1.3	180		**CMP071/075**	**B14**
	5.8	285	0.9	240		**CMP071/075**	**B14**
	4.7	319	0.8	300		**CMP071/075**	**B14**

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P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.37							
71B4 (1400 min^{-1})	**18**	129	2.5	80	**CM090**		**B5**
	14	151	2.0	100	**CM090**		**B5**
	12	193	3.2	120		**CMP071/090**	**B14**
	9.3	226	2.4	150		**CMP071/090**	**B14**
	7.8	263	1.9	180		**CMP071/090**	**B14**
	5.8	309	1.5	240		**CMP071/090**	**B14**
	4.7	349	1.2	300		**CMP071/090**	**B14**
80A6 (900 min^{-1})	**180**	17	5.2	5	**CM050**		**B5/B14**
	120	25	3.7	7.5	**CM050**		**B5/B14**
	90	33	2.9	10	**CM050**		**B5/B14**
	60	47	2.0	15	**CM050**		**B5/B14**
	45	59	1.4	20	**CM050**		**B5/B14**
	36	71	1.1	25	**CM050**		**B5/B14**
	30	80	1.2	30	**CM050**		**B5/B14**
	45	61	2.5	20	**CM063**		**B5/B14**
	36	74	1.9	25	**CM063**		**B5/B14**
	30	82	2.3	30	**CM063**		**B5/B14**
	23	102	1.6	40	**CM063**		**B5/B14**
	18	120	1.3	50	**CM063**		**B5/B14**
	15	137	1.0	60	**CM063**		**B5/B14**
	15	159	1.4	60		**CMP080/063**	**B14**
	12	188	1.1	75		**CMP080/063**	**B14**
	10	208	1.4	90		**CMP080/063**	**B14**
	23	105	2.3	40	**CM070**		**B5/B14**
	18	124	1.7	50	**CM070**		**B5/B14**
	15	141	1.5	60	**CM070**		**B5/B14**
	15	164	2.1	60		**CMP080/070**	**B14**
	12	193	1.6	75		**CMP080/070**	**B14**
	11	170	1.1	80	**CM070**		**B5/B14**
	10	215	1.9	90		**CMP080/070**	**B14**
	7.5	263	1.4	120		**CMP080/070**	**B14**
	6.0	306	1.0	150		**CMP080/070**	**B14**
	18	126	2.1	50	**CM075**		**B5/B14**
	15	141	1.8	60	**CM075**		**B5/B14**
	15	164	2.5	60		**CMP080/075**	**B14**
	12	196	1.9	75		**CMP080/075**	**B14**
	11	173	1.3	80	**CM075**		**B5/B14**
	10	215	2.3	90		**CMP080/075**	**B14**
	9	196	1.0	100	**CM075**		**B5/B14**
	7.5	268	1.6	120		**CMP080/075**	**B14**
	11	188	2.0	80	**CM090**		**B5/B14**
	10	229	3.7	90		**CMP080/090**	**B14**
	9	216	1.6	100	**CM090**		**B5/B14**
	7.5	282	2.6	120		**CMP080/090**	**B14**
	6.0	329	2.0	150		**CMP080/090**	**B14**
	5.0	374	1.5	180		**CMP080/090**	**B14**
	6.0	346	3.4	150		**CMP080/110**	**B14**
	5.0	402	2.5	180		**CMP080/110**	**B14**
	3.8	480	1.8	240		**CMP080/110**	**B14**
	3.0	543	1.4	300		**CMP080/110**	**B14**
	3.8	471	2.4	240		**CMP080/130**	**B14**
	3.0	554	1.8	300		**CMP080/130**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.55							
71B2 (2800 min^{-1})	**560**	8	3.4	5	**CM040**		**B5/B14**
	373	13	2.5	7.5	**CM040**		**B5/B14**
	280	16	2.0	10	**CM040**		**B5/B14**
	187	24	1.5	15	**CM040**		**B5/B14**
	140	31	1.0	20	**CM040**		**B5/B14**
	140	32	1.7	20	**CM050**		**B5/B14**
	112	38	1.3	25	**CM050**		**B5/B14**
	93	44	1.5	30	**CM050**		**B5/B14**
	70	56	1.1	40	**CM050**		**B5/B14**
	56	67	0.9	50	**CM050**		**B5/B14**
	47	83	1.0	60		**CMP071/050**	**B14**
	37	99	0.8	75		**CMP071/050**	**B14**
	31	113	0.9	90		**CMP071/050**	**B14**
	70	57	2.0	40	**CM063**		**B5/B14**
	56	68	1.5	50	**CM063**		**B5/B14**
	47	79	1.2	60	**CM063**		**B5/B14**
	47	86	1.8	60		**CMP071/063**	**B14**
	37	103	1.3	75		**CMP071/063**	**B14**
	35	98	0.9	80	**CM063**		**B5/B14**
	31	116	1.6	90		**CMP071/063**	**B14**
	23	143	1.1	120		**CMP071/063**	**B14**
	19	168	0.9	150		**CMP071/063**	**B14**
	47	81	1.8	60	**CM070**		**B5**
	47	87	2.6	60		**CMP071/070**	**B14**
	37	106	1.9	75		**CMP071/070**	**B14**
	35	101	1.3	80	**CM070**		**B5**
	31	119	2.3	90		**CMP071/070**	**B14**
	28	118	1.0	100	**CM070**		**B5**
	23	148	1.6	120		**CMP071/070**	**B14**
	19	174	1.2	150		**CMP071/070**	**B14**
	16	199	1.1	180		**CMP071/070**	**B14**
	12	238	0.8	240		**CMP071/070**	**B14**
	47	81	2.1	60	**CM075**		**B5**
	47	87	3.2	60		**CMP071/075**	**B14**
	37	106	2.3	75		**CMP071/075**	**B14**
	35	101	1.5	80	**CM075**		**B5**
	31	121	2.7	90		**CMP071/075**	**B14**
	28	118	1.2	100	**CM075**		**B5**
	23	150	1.9	120		**CMP071/075**	**B14**
	19	176	1.5	150		**CMP071/075**	**B14**
	16	199	1.3	180		**CMP071/075**	**B14**
	12	243	0.9	240		**CMP071/075**	**B14**
	35	107	2.4	80	**CM090**		**B5**
	28	126	1.8	100	**CM090**		**B5**
	23	157	3.2	120		**CMP071/090**	**B14**
	19	188	2.4	150		**CMP071/090**	**B14**
	16	212	2.0	180		**CMP071/090**	**B14**
	12	260	1.4	240		**CMP071/090**	**B14**
	9.3	298	1.1	300		**CMP071/090**	**B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.55							
71C4	**280**	17	2.5	5	**CM040**		**B5/B14**
(1400 min^{-1})	**187**	24	1.8	7.5	**CM040**		**B5/B14**
	140	32	1.4	10	**CM040**		**B5/B14**
	93	46	1.0	15	**CM040**		**B5/B14**
	140	32	2.6	10	**CM050**		**B5/B14**
	93	46	1.8	15	**CM050**		**B5/B14**
	70	59	1.2	20	**CM050**		**B5/B14**
	56	71	1.0	25	**CM050**		**B5/B14**
	47	81	1.1	30	**CM050**		**B5/B14**
	35	101	0.8	40	**CM050**		**B5/B14**
	70	61	2.2	20	**CM063**		**B5/B14**
	56	73	1.8	25	**CM063**		**B5/B14**
	47	84	2.0	30	**CM063**		**B5/B14**
	35	105	1.4	40	**CM063**		**B5/B14**
	28	124	1.1	50	**CM063**		**B5/B14**
	23	142	0.9	60	**CM063**		**B5/B14**
	23	161	1.2	60		**CMP071/063**	**B14**
	19	193	0.9	75		**CMP071/063**	**B14**
	16	212	1.1	90		**CMP071/063**	**B14**
	12	265	0.8	120		**CMP071/063**	**B14**
	56	75	2.4	25	**CM070**		**B5**
	35	108	1.9	40	**CM070**		**B5**
	28	128	1.5	50	**CM070**		**B5**
	23	146	1.2	60	**CM070**		**B5**
	23	163	1.7	60		**CMP071/070**	**B14**
	19	196	1.3	75		**CMP071/070**	**B14**
	18	180	0.9	80	**CM070**		**B5**
	16	218	1.6	90		**CMP071/070**	**B14**
	12	269	1.1	120		**CMP071/070**	**B14**
	9.3	314	0.9	150		**CMP071/070**	**B14**
	35	110	2.3	40	**CM075**		**B5**
	28	129	1.8	50	**CM075**		**B5**
	23	149	1.5	60	**CM075**		**B5**
	23	165	2.0	60		**CMP071/075**	**B14**
	19	199	1.5	75		**CMP071/075**	**B14**
	18	180	1.1	80	**CM075**		**B5**
	16	222	1.8	90		**CMP071/075**	**B14**
	14	210	0.9	100	**CM075**		**B5**
	12	274	1.3	120		**CMP071/075**	**B14**
	9.3	320	1.0	150		**CMP071/075**	**B14**
	7.8	357	0.9	180		**CMP071/075**	**B14**
	18	192	1.7	80	**CM090**		**B5**
	16	232	3.0	90		**CMP071/090**	**B14**
	14	225	1.3	100	**CM090**		**B5**
	12	287	2.2	120		**CMP071/090**	**B14**
	9.3	336	1.6	150		**CMP071/090**	**B14**
	7.8	390	1.3	180		**CMP071/090**	**B14**
	5.8	459	1.0	240		**CMP071/090**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.55							
80A4	**280**	17	4.5	5	**CM050**		**B5/B14**
(1400 min^{-1})	**187**	24	3.2	7.5	**CM050**		**B5/B14**
	140	32	2.6	10	**CM050**		**B5/B14**
	93	46	1.8	15	**CM050**		**B5/B14**
	70	59	1.2	20	**CM050**		**B5/B14**
	56	71	1.0	25	**CM050**		**B5/B14**
	47	81	1.1	30	**CM050**		**B5/B14**
	70	61	2.2	20	**CM063**		**B5/B14**
	56	73	1.8	25	**CM063**		**B5/B14**
	47	84	2.0	30	**CM063**		**B5/B14**
	35	105	1.4	40	**CM063**		**B5/B14**
	28	124	1.1	50	**CM063**		**B5/B14**
	23	142	0.9	60	**CM063**		**B5/B14**
	23	161	1.2	60		**CMP080/063**	**B14**
	19	193	0.9	75		**CMP080/063**	**B14**
	16	212	1.1	90		**CMP080/063**	**B14**
	56	75	2.4	25	**CM070**		**B5/B14**
	35	108	1.9	40	**CM070**		**B5/B14**
	28	128	1.5	50	**CM070**		**B5/B14**
	23	146	1.2	60	**CM070**		**B5/B14**
	23	163	1.7	60		**CMP080/070**	**B14**
	19	196	1.3	75		**CMP080/070**	**B14**
	18	180	0.9	80	**CM070**		**B5/B14**
	16	218	1.6	90		**CMP080/070**	**B14**
	12	269	1.1	120		**CMP080/070**	**B14**
	35	110	2.3	40	**CM075**		**B5/B14**
	28	129	1.8	50	**CM075**		**B5/B14**
	23	149	1.5	60	**CM075**		**B5/B14**
	23	165	2.0	60		**CMP080/075**	**B14**
	19	199	1.5	75		**CMP080/075**	**B14**
	18	180	1.1	80	**CM075**		**B5/B14**
	16	222	1.8	90		**CMP080/075**	**B14**
	14	210	0.9	100	**CM075**		**B5/B14**
	12	274	1.3	120		**CMP080/075**	**B14**
	9	320	1.0	150		**CMP080/075**	**B14**
	23	158	2.2	60	**CM090**		**B5/B14**
	18	192	1.7	80	**CM090**		**B5/B14**
	16	232	3.0	90		**CMP080/090**	**B14**
	14	225	1.3	100	**CM090**		**B5/B14**
	12	287	2.2	120		**CMP080/090**	**B14**
	9.3	336	1.6	150		**CMP080/090**	**B14**
	7.8	390	1.3	180		**CMP080/090**	**B14**
	3.8	459	1.0	240		**CMP080/090**	**B14**
	18	204	2.8	80	**CM110**		**B5**
	14	240	2.2	100	**CM110**		**B5**
	9.3	358	2.8	150		**CMP080/110**	**B14**
	7.8	410	2.2	180		**CMP080/110**	**B14**
	5.8	503	1.5	240		**CMP080/110**	**B14**
	4.7	574	1.2	300		**CMP080/110**	**B14**
	7.8	424	2.6	180		**CMP080/130**	**B14**
	5.8	512	1.9	240		**CMP080/130**	**B14**
	4.7	585	1.5	300		**CMP080/130**	**B14**

Dati tecnici — *Technical data*

0.55

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
80B6 (900 min^{-1})	**180**	26	3.4	5	**CM050**		**B5/B14**
	120	37	2.5	7.5	**CM050**		**B5/B14**
	90	49	1.9	10	**CM050**		**B5/B14**
	60	69	1.4	15	**CM050**		**B5/B14**
	45	88	0.9	20	**CM050**		**B5/B14**
	60	71	2.5	15	**CM063**		**B5/B14**
	45	91	1.7	20	**CM063**		**B5/B14**
	36	109	1.3	25	**CM063**		**B5/B14**
	30	123	1.5	30	**CM063**		**B5/B14**
	23	152	1.1	40	**CM063**		**B5/B14**
	18	178	0.8	50	**CM063**		
	15	237	1.0	60		**CMP080/063**	**B14**
	12	279	0.8	75		**CMP080/063**	**B14**
	10	309	0.9	90		**CMP080/063**	**B14**
	45	92	2.5	20	**CM070**		**B5/B14**
	36	112	1.8	25	**CM070**		**B5/B14**
	30	126	2.2	30	**CM070**		**B5/B14**
	23	156	1.5	40	**CM070**		**B5/B14**
	18	184	1.2	50	**CM070**		**B5/B14**
	15	210	1.0	60	**CM070**		**B5/B14**
	15	244	1.4	60		**CMP080/070**	**B14**
	12	287	1.1	75		**CMP080/070**	**B14**
	10	319	1.3	90		**CMP080/070**	**B14**
	7.5	391	0.9	120		**CMP080/070**	**B14**
	36	112	2.2	25	**CM075**		**B5/B14**
	30	128	2.6	30	**CM075**		**B5/B14**
	23	159	1.8	40	**CM075**		**B5/B14**
	18	187	1.4	50	**CM075**		**B5/B14**
	15	214	1.2	60	**CM075**		**B5/B14**
	15	244	1.7	60		**CMP080/075**	**B14**
	12	292	1.3	75		**CMP080/075**	**B14**
	11	257	0.9	80	**CM075**		**B5/B14**
	10	319	1.6	90		**CMP080/075**	**B14**
	7.5	398	1.1	120		**CMP080/075**	**B14**
	6.0	463	0.8	150		**CMP080/075**	**B14**
	15	228	1.8	60	**CM090**		**B5/B14**
	15	254	2.8	60		**CMP080/090**	**B14**
	12	305	2.1	75		**CMP080/090**	**B14**
	11	280	1.4	80	**CM090**		**B5/B14**
	10	340	2.5	90		**CMP080/090**	**B14**
	9	321	1.1	100	**CM090**		**B5/B14**
	7.5	419	1.8	120		**CMP080/090**	**B14**
	6.0	489	1.3	150		**CMP080/090**	**B14**
	5.0	556	1.0	180		**CMP080/090**	**B14**
	3.8	645	0.8	240		**CMP080/090**	**B14**
	11	294	2.2	80	**CM110**		**B5**
	9	344	1.7	100	**CM110**		**B5**
	7.5	439	3.0	120		**CMP080/110**	**B14**
	6.0	515	2.3	150		**CMP080/110**	**B14**
	5.0	597	1.7	180		**CMP080/110**	**B14**
	3.8	714	1.2	240		**CMP080/110**	**B14**
	3.0	806	1.0	300		**CMP080/110**	**B14**
	5.0	587	2.2	180		**CMP080/130**	**B14**
	3.8	700	1.6	240		**CMP080/130**	**B14**
	3.0	824	1.2	300		**CMP080/130**	**B14**

0.75

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
80A2 (2800 min^{-1})	**560**	12	4.6	5	**CM050**		**B5/B14**
	373	17	3.3	7.5	**CM050**		**B5/B14**
	280	23	2.7	10	**CM050**		**B5/B14**
	187	33	1.9	15	**CM050**		**B5/B14**
	140	43	1.3	20	**CM050**		**B5/B14**
	112	52	1.0	25	**CM050**		**B5/B14**
	93	60	1.1	30	**CM050**		**B5/B14**
	140	43	2.4	20	**CM063**		**B5/B14**
	112	53	1.8	25	**CM063**		**B5/B14**
	93	61	2.1	30	**CM063**		**B5/B14**
	70	78	1.4	40	**CM063**		**B5/B14**
	56	93	1.1	50	**CM063**		**B5/B14**
	47	107	0.9	60	**CM063**		**B5/B14**
	47	117	1.3	60		**CMP080/063**	**B14**
	37	141	1.0	75		**CMP080/063**	**B14**
	31	158	1.2	90		**CMP080/063**	**B14**
	56	96	1.6	50	**CM070**		**B5/B14**
	47	111	1.3	60	**CM070**		**B5/B14**
	47	119	1.9	60		**CMP080/070**	**B14**
	37	145	1.4	75		**CMP080/070**	**B14**
	35	139	0.9	80	**CM070**		**B5/B14**
	31	162	1.7	90		**CMP080/070**	**B14**
	23	202	1.2	120		**CMP080/070**	**B14**
	70	80	2.5	40	**CM075**		**B5/B14**
	56	96	1.9	50	**CM075**		**B5/B14**
	47	111	1.5	60	**CM075**		**B5/B14**
	47	119	2.3	60		**CMP080/075**	**B14**
	37	145	1.7	75		**CMP080/075**	**B14**
	35	139	1.1	80	**CM075**		**B5/B14**
	31	165	2.0	90		**CMP080/075**	**B14**
	28	161	0.9	100	**CM075**		**B5/B14**
	23	205	1.4	120		**CMP080/075**	**B14**
	19	241	1.1	150		**CMP080/075**	**B14**
	47	115	2.4	60	**CM090**		**B5/B14**
	35	145	1.8	80	**CM090**		**B5/B14**
	31	171	3.3	90		**CMP080/090**	**B14**
	28	171	1.3	100	**CM090**		**B5/B14**
	23	214	2.3	120		**CMP080/090**	**B5/B14**
	19	256	1.7	150		**CMP080/090**	**B14**
	16	289	1.4	180		**CMP080/090**	**B14**
	12	355	1.1	240		**CMP080/090**	**B14**
	28	179	2.2	100	**CM110**		**B5**
	19	271	3.0	150		**CMP080/110**	**B14**
	16	307	2.4	180		**CMP080/110**	**B14**
	12	379	1.7	240		**CMP080/110**	**B14**
	9.3	444	1.3	300		**CMP080/110**	**B14**
	16	316	2.9	180		**CMP080/130**	**B14**
	12	385	2.2	240		**CMP080/130**	**B14**
	9.3	444	1.7	300		**CMP080/130**	**B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.75							
80B4 (1400 min^{-1})	**280**	23	3.3	5	**CM050**		**B5/B14**
	187	33	2.4	7.5	**CM050**		**B5/B14**
	140	43	1.9	10	**CM050**		**B5/B14**
	93	63	1.3	15	**CM050**		**B5/B14**
	70	81	0.9	20	**CM050**		**B5/B14**
	56	97	0.7	25	**CM050**		**B5/B14**
	47	111	0.8	30	**CM050**		**B5/B14**
	93	64	2.4	15	**CM063**		**B5/B14**
	70	83	1.6	20	**CM063**		**B5/B14**
	56	100	1.4	25	**CM063**		**B5/B14**
	47	115	1.4	30	**CM063**		**B5/B14**
	35	143	1.0	40	**CM063**		**B5/B14**
	28	169	0.8	50	**CM063**		**B5/B14**
	23	220	0.9	60		**CMP080/063**	**B14**
	19	263	0.7	75		**CMP080/063**	**B14**
	16	289	0.8	90		**CMP080/063**	**B14**
	70	85	2.4	20	**CM070**		**B5/B14**
	56	102	1.8	25	**CM070**		**B5/B14**
	47	118	2.1	30	**CM070**		**B5/B14**
	35	149	1.4	40	**CM070**		**B5/B14**
	28	177	1.1	50	**CM070**		**B5/B14**
	23	203	0.9	60	**CM070**		**B5/B14**
	23	223	1.3	60		**CMP080/070**	**B14**
	19	267	0.9	75		**CMP080/070**	**B14**
	16	298	1.1	90		**CMP080/070**	**B14**
	12	367	0.8	120		**CMP080/070**	**B14**
	70	85	2.8	20	**CM075**		**B5/B14**
	56	102	2.2	25	**CM075**		**B5/B14**
	47	118	2.4	30	**CM075**		**B5/B14**
	35	149	1.7	40	**CM075**		**B5/B14**
	28	177	1.3	50	**CM075**		**B5/B14**
	23	203	1.1	60	**CM075**		**B5/B14**
	23	226	1.5	60		**CMP080/075**	**B14**
	19	271	1.1	75		**CMP080/075**	**B14**
	18	246	0.8	80	**CM075**		**B5/B14**
	16	302	1.3	90		**CMP080/075**	**B14**
	12	373	1.0	120		**CMP080/075**	**B14**
	9	436	0.8	150		**CMP080/075**	**B14**
	35	156	2.8	40	**CM090**		**B5/B14**
	28	184	2.1	50	**CM090**		**B5/B14**
	23	212	1.6	60	**CM090**		**B5/B14**
	23	235	2.4	60		**CMP080/090**	**B14**
	19	282	1.8	75		**CMP080/090**	**B14**
	18	262	1.2	80	**CM090**		**B5/B14**
	16	316	2.2	90		**CMP080/090**	**B14**
	14	307	1.0	100	**CM090**		**B5/B14**
	12	391	1.6	120		**CMP080/090**	**B14**
	9.3	459	1.2	150		**CMP080/090**	**B14**
	7.8	535	0.9	180		**CMP080/090**	**B14**
	23	224	2.8	60	**CM110**		**B5**
	19	293	3.1	75		**CMP080/110**	**B14**
	18	278	2.0	80	**CM110**		**B5**
	16	325	3.5	90		**CMP080/110**	**B14**
	14	327	1.6	100	**CM110**		**B5**
	12	415	2.6	120		**CMP080/110**	**B14**
	9.3	489	2.0	150		**CMP080/110**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.75							
80B4 (1400 min^{-1})	**7.8**	560	1.6	180		**CMP080/110**	**B14**
	5.8	686	1.1	240		**CMP080/110**	**B14**
	4.7	782	0.9	300		**CMP080/110**	**B14**
	14	327	2.2	100	**CM130**		**B5**
	9.3	504	2.4	150		**CMP080/130**	**B14**
	7.8	578	1.9	180		**CMP080/130**	**B14**
	5.8	698	1.4	240		**CMP080/130**	**B14**
	4.7	797	1.1	300		**CMP080/130**	**B14**
90S6 (900 min^{-1})	**180**	35	4.6	5	**CM063**		**B5/B14**
	120	51	3.3	7.5	**CM063**		**B5/B14**
	90	67	2.6	10	**CM063**		**B5/B14**
	60	97	1.8	15	**CM063**		**B5/B14**
	45	124	1.2	20	**CM063**		**B5/B14**
	36	149	0.9	25	**CM063**		**B5/B14**
	30	167	1.1	30	**CM063**		**B5/B14**
	45	127	1.8	20	**CM070**		**B5/B14**
	36	153	1.3	25	**CM070**		**B5/B14**
	30	174	1.6	30	**CM070**		**B5/B14**
	23	216	1.1	40	**CM070**		**B5/B14**
	15	332	1.0	60		**CMP090/070**	**B5/B14**
	12	392	0.8	75		**CMP090/070**	**B5/B14**
	10	435	1.0	90		**CMP090/070**	**B5/B14**
	8	533	0.7	120		**CMP090/070**	**B5/B14**
	60	98	2.6	15	**CM075**		**B5/B14**
	45	127	2.2	20	**CM075**		**B5/B14**
	36	153	1.6	25	**CM075**		**B5/B14**
	30	174	1.9	30	**CM075**		**B5/B14**
	23	216	1.3	40	**CM075**		**B5/B14**
	18	251	0.9	50	**CM075**		**B5/B14**
	15	332	1.2	60		**CMP090/075**	**B5/B14**
	12	398	0.9	75		**CMP090/075**	**B5/B14**
	10	435	1.1	90		**CMP090/075**	**B5/B14**
	8	543	0.8	120		**CMP090/075**	**B5/B14**
	23	229	2.2	40	**CM090**		**B5/B14**
	18	271	1.6	50	**CM090**		**B5/B14**
	15	310	1.4	60	**CM090**		**B5/B14**
	11	376	1.0	80	**CM090**		**B5/B14**
	15	346	2.1	60		**CMP090/090**	**B5/B14**
	12	415	1.5	75		**CMP090/090**	**B5/B14**
	10	463	1.8	90		**CMP090/090**	**B5/B14**
	8	571	1.3	120		**CMP090/090**	**B5/B14**
	6	667	1.0	150		**CMP090/090**	**B5/B14**
	5	758	0.8	180		**CMP090/090**	**B5/B14**
	18	283	2.8	50	**CM110**		**B5/B14**
	15	325	2.3	60	**CM110**		**B5/B14**
	15	360	3.4	60		**CMP090/110**	**B5/B14**
	12	433	2.7	75		**CMP090/110**	**B5/B14**
	11	401	1.6	80	**CM110**		**B5/B14**
	10	470	3.0	90		**CMP090/110**	**B5/B14**
	9	470	1.3	100	**CM110**		**B5/B14**
	8	599	2.2	120		**CMP090/110**	**B5/B14**
	6	702	1.7	150		**CMP090/110**	**B5/B14**
	5	814	1.3	180		**CMP090/110**	**B5/B14**
	4	973	0.9	240		**CMP090/110**	**B5/B14**
	3	1100	0.7	300		**CMP090/110**	**B5/B14**

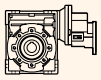
Dati tecnici — *Technical data*

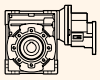
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
0.75							
90S6	**6**	714	2.1	150		**CMP090/130**	**B5/B14**
(900 min^{-1})	**5**	800	1.7	180		**CMP090/130**	**B5/B14**
	4	955	1.3	240		**CMP090/130**	**B5/B14**
	3	1123	1.0	300		**CMP090/130**	**B5/B14**
1.1							
80B2	**560**	17	3.2	5	**CM050**		**B5/B14**
(2800 min^{-1})	**373**	25	2.3	7.5	**CM050**		**B5/B14**
	280	33	1.8	10	**CM050**		**B5/B14**
	187	48	1.3	15	**CM050**		**B5/B14**
	140	63	0.9	20	**CM050**		**B5/B14**
	187	48	2.4	15	**CM063**		**B5/B14**
	140	63	1.6	20	**CM063**		**B5/B14**
	112	78	1.2	25	**CM063**		**B5/B14**
	93	89	1.4	30	**CM063**		**B5/B14**
	70	114	1.0	40	**CM063**		**B5/B14**
	47	172	0.9	60		**CMP080/063**	**B14**
	37	207	0.7	75		**CMP080/063**	**B14**
	31	232	0.8	90		**CMP080/063**	**B14**
	112	79	1.7	25	**CM070**		**B5/B14**
	70	117	1.4	40	**CM070**		**B5/B14**
	56	141	1.1	50	**CM070**		**B5/B14**
	47	162	0.9	60	**CM070**		**B5/B14**
	47	174	1.3	60		**CMP080/070**	
	37	212	1.0	75		**CMP080/070**	**B14**
	31	238	1.2	90		**CMP080/070**	**B14**
	23	296	0.8	120		**CMP080/070**	**B14**
	93	91	2.4	30	**CM075**		**B5/B14**
	70	117	1.7	40	**CM075**		**B5/B14**
	56	141	1.3	50	**CM075**		**B5/B14**
	47	162	1.1	60	**CM075**		**B5/B14**
	47	174	1.6	60		**CMP080/075**	**B14**
	37	212	1.1	75		**CMP080/075**	**B14**
	31	242	1.4	90		**CMP080/075**	**B14**
	23	300	1.0	120		**CMP080/075**	**B14**
	56	146	2.1	50	**CM090**		**B5/B14**
	47	169	1.6	60	**CM090**		**B5/B14**
	47	181	2.6	60		**CMP080/090**	**B14**
	37	221	1.9	75		**CMP080/090**	**B14**
	35	213	1.2	80	**CM090**		**B5/B14**
	31	251	2.3	90		**CMP080/090**	**B14**
	28	251	0.9	100	**CM090**		**B5/B14**
	23	313	1.6	120		**CMP080/090**	**B14**
	19	375	1.2	150		**CMP080/090**	**B14**
	16	424	1.0	180		**CMP080/090**	**B14**
	35	219	2.0	80	**CM110**		**B5**
	28	263	1.5	100	**CM110**		**B5**
	23	335	2.6	120		**CMP080/110**	**B14**
	19	397	2.0	150		**CMP080/110**	**B14**
	16	450	1.6	180		**CMP080/110**	**B14**
	12	556	1.2	240		**CMP080/110**	**B14**
	9.3	651	0.9	300		**CMP080/110**	**B14**
	19	403	2.5	150		**CMP080/130**	**B14**
	16	463	2.0	180		**CMP080/130**	**B14**
	12	565	1.5	240		**CMP080/130**	**B14**
	9.3	651	1.2	300		**CMP080/130**	**B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
1.1							
80C4	**280**	33	2.2	5	**CM050**		**B5/B14**
(1400 min^{-1})	**187**	49	1.6	7.5	**CM050**		**B5/B14**
	140	64	1.3	10	**CM050**		**B5/B14**
	93	92	0.9	15	**CM050**		**B5/B14**
	280	34	4.0	5	**CM063**		**B5/B14**
	187	50	2.9	7.5	**CM063**		**B5/B14**
	140	65	2.3	10	**CM063**		**B5/B14**
	93	95	1.6	15	**CM063**		**B5/B14**
	70	122	1.1	20	**CM063**		**B5/B14**
	56	146	0.9	25	**CM063**		**B5/B14**
	47	169	1.0	30	**CM063**		**B5/B14**
	93	95	2.3	15	**CM070**		**B5/B14**
	70	125	1.6	20	**CM070**		**B5/B14**
	56	150	1.2	25	**CM070**		**B5/B14**
	47	173	1.4	30	**CM070**		**B5/B14**
	35	219	1.0	40	**CM070**		**B5/B14**
	23	326	0.9	60		**CMP080/070**	**B14**
	16	437	0.8	90		**CMP080/070**	**B14**
	70	125	1.9	20	**CM075**		**B5/B14**
	56	150	1.5	25	**CM075**		**B5/B14**
	47	173	1.7	30	**CM075**		**B5/B14**
	35	219	1.1	40	**CM075**		**B5/B14**
	28	259	0.9	50	**CM075**		**B5/B14**
	23	331	1.0	60		**CMP080/075**	**B14**
	19	397	0.8	75		**CMP080/075**	**B14**
	16	443	0.9	90		**CMP080/075**	**B14**
	35	228	1.9	40	**CM090**		**B5/B14**
	28	270	1.4	50	**CM090**		**B5/B14**
	23	311	1.1	60	**CM090**		**B5/B14**
	23	344	1.7	60		**CMP080/090**	**B14**
	19	414	1.2	75		**CMP080/090**	**B14**
	18	384	0.8	80	**CM090**		**B5/B14**
	16	463	1.5	90		**CMP080/090**	**B14**
	12	574	1.1	120		**CMP080/090**	**B14**
	9.3	673	0.8	150		**CMP080/090**	**B14**
	28	285	2.5	50	**CM110**		**B5**
	23	329	1.9	60	**CM110**		**B5**
	23	353	2.7	60		**CMP080/110**	**B14**
	19	430	2.1	75		**CMP080/110**	**B14**
	18	408	1.4	80	**CM110**		**B5**
	16	477	2.4	90		**CMP080/110**	**B14**
	14	480	1.1	100	**CM110**		**B5**
	12	609	1.8	120		**CMP080/110**	**B14**
	9.3	717	1.4	150		**CMP080/110**	**B14**
	7.8	821	1.1	180		**CMP080/110**	**B14**
	6.0	1006	0.8	240		**CMP080/110**	**B14**
	23	324	3.0	60	**CM130**		**B5**
	18	414	2.0	80	**CM130**		**B5**
	16	477	3.1	90		**CMP080/130**	**B14**
	14	480	1.5	100	**CM130**		**B5**
	12	600	2.3	120		**CMP080/130**	**B14**
	9.3	739	1.7	150		**CMP080/130**	**B14**
	7.8	847	1.3	180		**CMP080/130**	**B14**
	5.8	1024	0.9	240		**CMP080/130**	**B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
1.1							
90S4	**280**	34	4.0	5	**CM063**		**B5/B14**
(1400 min^{-1})	**187**	50	2.9	7.5	**CM063**		**B5/B14**
	140	65	2.3	10	**CM063**		**B5/B14**
	93	95	1.6	15	**CM063**		**B5/B14**
	70	122	1.1	20	**CM063**		**B5/B14**
	56	146	0.9	25	**CM063**		**B5/B14**
	47	169	1.0	30	**CM063**		**B5/B14**
	140	65	3.3	10	**CM070**		**B5/B14**
	93	95	2.3	15	**CM070**		**B5/B14**
	70	125	1.6	20	**CM070**		**B5/B14**
	56	150	1.2	25	**CM070**		**B5/B14**
	47	173	1.4	30	**CM070**		**B5/B14**
	35	219	1.0	40	**CM070**		**B5/B14**
	23	326	0.9	60		**CMP090/070**	**B5/B14**
	19	392	0.7	75		**CMP090/070**	**B5/B14**
	16	437	0.8	90		**CMP090/070**	**B5/B14**
	93	95	2.8	15	**CM075**		**B5/B14**
	70	125	1.9	20	**CM075**		**B5/B14**
	56	150	1.5	25	**CM075**		**B5/B14**
	47	173	1.7	30	**CM075**		**B5/B14**
	35	219	1.1	40	**CM075**		**B5/B14**
	28	259	0.9	50	**CM075**		**B5/B14**
	23	331	1.0	60		**CMP090/075**	**B5/B14**
	19	397	0.8	75		**CMP090/075**	**B5/B14**
	16	443	0.9	90		**CMP090/075**	**B5/B14**
	56	156	2.4	25	**CM090**		**B5/B14**
	47	178	2.7	30	**CM090**		**B5/B14**
	35	228	1.9	40	**CM090**		**B5/B14**
	28	270	1.4	50	**CM090**		**B5/B14**
	23	311	1.1	60	**CM090**		**B5/B14**
	23	344	1.7	60		**CMP090/090**	**B5/B14**
	19	414	1.2	75		**CMP090/090**	**B5/B14**
	18	384	0.8	80	**CM090**		**B5/B14**
	16	463	1.5	90		**CMP090/090**	**B5/B14**
	12	574	1.1	120		**CMP090/090**	**B5/B14**
	9	673	0.8	150		**CMP090/090**	**B5/B14**
	35	237	3.2	40	**CM110**		**B5/B14**
	28	285	2.5	50	**CM110**		**B5/B14**
	23	329	1.9	60	**CM110**		**B5/B14**
	23	353	2.7	60		**CMP090/110**	**B5/B14**
	19	430	2.1	75		**CMP090/110**	**B5/B14**
	18	408	1.4	80	**CM110**		**B5/B14**
	16	477	2.4	90		**CMP090/110**	**B5/B14**
	14	480	1.1	100	**CM110**		**B5/B14**
	12	609	1.8	120		**CMP090/110**	**B5/B14**
	9	717	1.4	150		**CMP090/110**	**B5/B14**
	8	821	1.1	180		**CMP090/110**	**B5/B14**
	6	1006	0.8	240		**CMP090/110**	**B5/B14**
	18	414	2.0	80	**CM130**		**B5**
	14	480	1.5	100	**CM130**		**B5**
	12	600	2.1	120		**CMP090/130**	**B5/B14**
	9	739	1.7	150		**CMP090/130**	**B5/B14**
	8	847	1.3	180		**CMP090/130**	**B5/B14**
	6	1024	1.0	240		**CMP090/130**	**B5/B14**
	5	1169	0.7	300		**CMP090/130**	**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
1.1							
90L6	**180**	52	3.1	5	**CM063**		**B5/B14**
(900 min^{-1})	**120**	75	2.2	7.5	**CM063**		**B5/B14**
	90	98	1.8	10	**CM063**		**B5/B14**
	60	142	1.3	15	**CM063**		**B5/B14**
	45	182	0.8	20	**CM063**		**B5/B14**
	120	76	3.1	7.5	**CM070**		**B5/B14**
	90	99	2.5	10	**CM070**		**B5/B14**
	60	145	1.8	15	**CM070**		**B5/B14**
	45	187	1.2	20	**CM070**		**B5/B14**
	36	225	0.9	25	**CM070**		**B5/B14**
	30	256	1.1	30	**CM070**		**B5/B14**
	23	239	0.8	40	**CM070**		**B5/B14**
	15	487	0.7	60		**CMP090/070**	**B5/B14**
	10	638	0.7	90		**CMP090/070**	**B5/B14**
	60	145	2.2	15	**CM075**		**B5/B14**
	45	187	1.5	20	**CM075**		**B5/B14**
	36	225	1.1	25	**CM075**		**B5/B14**
	30	256	1.3	30	**CM075**		**B5/B14**
	23	317	0.9	40	**CM075**		**B5/B14**
	15	487	0.8	60		**CMP090/075**	**B5/B14**
	12	583	0.7	75		**CMP090/075**	**B5/B14**
	10	638	0.8	90		**CMP090/075**	**B5/B14**
	45	191	2.5	20	**CM090**		**B5/B14**
	36	233	1.8	25	**CM090**		**B5/B14**
	30	266	2.1	30	**CM090**		**B5/B14**
	23	336	1.5	40	**CM090**		**B5/B14**
	18	397	1.1	50	**CM090**		**B5/B14**
	15	455	0.9	60	**CM090**		**B5/B14**
	15	508	1.4	60		**CMP090/090**	**B5/B14**
	12	609	1.0	75		**CMP090/090**	**B5/B14**
	10	679	1.3	90		**CMP090/090**	**B5/B14**
	8	837	0.9	120		**CMP090/090**	**B5/B14**
	18	414	1.9	50	**CM110**		**B5/B14**
	15	476	1.5	60	**CM110**		**B5/B14**
	15	528	2.3	60		**CMP090/110**	**B5/B14**
	12	635	1.8	75		**CMP090/110**	**B5/B14**
	11	588	1.1	80	**CM110**		**B5/B14**
	10	690	2.0	90		**CMP090/110**	**B5/B14**
	9	689	0.9	100	**CM110**		**B5/B14**
	8	878	1.5	120		**CMP090/110**	**B5/B14**
	6	1029	1.1	150		**CMP090/110**	**B5/B14**
	5	1194	0.9	180		**CMP090/110**	**B5/B14**
	15	490	2.0	60	**CM130**		**B5**
	11	598	1.5	80	**CM130**		**B5**
	9	689	1.1	100	**CM130**		**B5**
	8	865	1.9	120		**CMP090/130**	**B5/B14**
	6	1047	1.4	150		**CMP090/130**	**B5/B14**
	5	1174	1.2	180		**CMP090/130**	**B5/B14**
	4	1400	0.9	240		**CMP090/130**	**B5/B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
1.5							
90S2 (2800 min^{-1})	**560**	23	4.2	5	**CM063**		**B5/B14**
	373	35	3.0	7.5	**CM063**		**B5/B14**
	280	45	2.4	10	**CM063**		**B5/B14**
	187	66	1.7	15	**CM063**		**B5/B14**
	140	86	1.2	20	**CM063**		**B5/B14**
	112	106	0.9	25	**CM063**		**B5/B14**
	93	121	1.0	30	**CM063**		**B5/B14**
	187	67	2.5	15	**CM070**		**B5/B14**
	140	87	1.8	20	**CM070**		**B5/B14**
	112	107	1.3	25	**CM070**		**B5/B14**
	93	124	1.5	30	**CM070**		**B5/B14**
	70	160	1.1	40	**CM070**		**B5/B14**
	56	189	0.8	50	**CM070**		**B5/B14**
	47	238	1.0	60		**CMP090/070**	**B5/B14**
	37	290	0.7	75		**CMP090/070**	**B5/B14**
	31	325	0.8	90		**CMP090/070**	**B5/B14**
	140	87	2.1	20	**CM075**		**B5/B14**
	112	107	1.5	25	**CM075**		**B5/B14**
	93	124	1.8	30	**CM075**		**B5/B14**
	70	160	1.2	40	**CM075**		**B5/B14**
	56	192	0.9	50	**CM075**		**B5/B14**
	47	238	1.2	60		**CMP090/075**	**B5/B14**
	37	290	0.8	75		**CMP090/075**	**B5/B14**
	31	329	1.0	90		**CMP090/075**	**B5/B14**
	70	164	2.1	40	**CM090**		**B5/B14**
	56	200	1.5	50	**CM090**		**B5/B14**
	47	230	1.2	60	**CM090**		**B5/B14**
	47	247	1.9	60		**CMP090/090**	**B5/B14**
	37	301	1.4	75		**CMP090/090**	**B5/B14**
	35	287	0.9	80	**CM090**		**B5/B14**
	31	343	1.7	90		**CMP090/090**	**B5/B14**
	23	427	1.2	120		**CMP090/090**	**B5/B14**
	19	511	0.9	150		**CMP090/090**	**B5/B14**
	56	202	2.7	50	**CM110**		**B5/B14**
	47	236	2.1	60	**CM110**		**B5/B14**
	37	308	2.5	75		**CMP090/110**	**B5/B14**
	35	299	1.4	80	**CM110**		**B5/B14**
	31	347	2.8	90		**CMP090/110**	**B5/B14**
	28	358	1.1	100	**CM110**		**B5/B14**
	23	457	1.9	120		**CMP090/110**	**B5/B14**
	19	541	1.5	150		**CMP090/110**	**B5/B14**
	16	614	1.2	180		**CMP090/110**	**B5/B14**
	12	758	0.9	240		**CMP090/110**	**B5/B14**
	47	236	2.7	60	**CM130**		**B5**
	35	295	2.0	80	**CM130**		**B5**
	28	358	1.5	100	**CM130**		**B5**
	23	445	2.5	120		**CMP090/130**	**B5/B14**
	19	549	1.9	150		**CMP090/130**	**B5/B14**
	16	632	1.5	180		**CMP090/130**	**B5/B14**
	12	770	1.1	240		**CMP090/130**	**B5/B14**
	9	887	0.9	300		**CMP090/130**	**B5/B14**
90L4 (1400 min^{-1})	**280**	46	2.9	5	**CM063**		**B5/B14**
	187	68	2.1	7.5	**CM063**		**B5/B14**
	140	88	1.7	10	**CM063**		**B5/B14**
	93	129	1.2	15	**CM063**		**B5/B14**
	70	166	0.8	20	**CM063**		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
1.5							
90L4 (1400 min^{-1})	**140**	89	2.4	10	**CM070**		**B5/B14**
	93	129	1.7	15	**CM070**		**B5/B14**
	70	170	1.2	20	**CM070**		**B5/B14**
	56	205	0.9	25	**CM070**		**B5/B14**
	47	236	1.0	30	**CM070**		**B5/B14**
	93	129	2.1	15	**CM075**		**B5/B14**
	70	170	1.4	20	**CM075**		**B5/B14**
	56	205	1.1	25	**CM075**		**B5/B14**
	47	236	1.2	30	**CM075**		**B5/B14**
	35	299	0.8	40	**CM075**		**B5/B14**
	70	172	2.4	20	**CM090**		**B5/B14**
	56	212	1.7	25	**CM090**		**B5/B14**
	47	243	2.0	30	**CM090**		**B5/B14**
	35	311	1.4	40	**CM090**		**B5/B14**
	28	368	1.0	50	**CM090**		**B5/B14**
	23	424	0.8	60	**CM090**		**B5/B14**
	23	469	1.2	60		**CMP090/090**	**B5/B14**
	19	564	0.9	75		**CMP090/090**	**B5/B14**
	16	632	1.1	90		**CMP090/090**	**B5/B14**
	12	782	0.8	120		**CMP090/090**	**B5/B14**
	35	323	2.4	40	**CM110**		**B5/B14**
	28	389	1.8	50	**CM110**		**B5/B14**
	23	448	1.4	60	**CM110**		**B5/B14**
	23	481	2.0	60		**CMP090/110**	**B5/B14**
	19	587	1.5	75		**CMP090/110**	**B5/B14**
	18	557	1.0	80	**CM110**		**B5/B14**
	14	655	0.8	100	**CM110**		**B5/B14**
	16	650	1.8	90		**CMP090/110**	**B5/B14**
	12	830	1.3	120		**CMP090/110**	**B5/B14**
	9	978	1.0	150		**CMP090/110**	**B5/B14**
	8	1119	0.8	180		**CMP090/110**	**B5/B14**
	28	389	2.5	50	**CM130**		**B5**
	23	448	2.0	60	**CM130**		**B5**
	19	579	2.1	75		**CMP090/130**	**B5/B14**
	18	565	1.5	80	**CM130**		**B5**
	16	650	2.2	90		**CMP090/130**	**B5/B14**
	14	655	1.1	100	**CM130**		**B5**
	12	818	1.5	120		**CMP090/130**	**B5/B14**
	9	1008	1.2	150		**CMP090/130**	**B5/B14**
	8	1155	0.9	180		**CMP090/130**	**B5/B14**
	6	1396	0.7	240		**CMP090/130**	**B5/B14**
100LA6 (900 min^{-1})	**120**	104	2.3	7.5	**CM070**		**B5/B14**
	90	135	1.9	10	**CM070**		**B5/B14**
	60	198	1.3	15	**CM070**		**B5/B14**
	45	251	0.9	20	**CM070**		**B5/B14**
	120	104	2.7	7.5	**CM075**		**B5/B14**
	90	135	2.2	10	**CM075**		**B5/B14**
	60	198	1.6	15	**CM075**		**B5/B14**
	45	251	1.2	20	**CM075**		**B5/B14**
	36	306	0.8	25	**CM075**		**B5/B14**
	30	349	0.9	30	**CM075**		**B5/B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
1.5							
100LA6 (900 min^{-1})	**60**	201	2.6	15	**CM090**		**B5/B14**
	45	261	1.8	20	**CM090**		**B5/B14**
	36	318	1.3	25	**CM090**		**B5/B14**
	30	363	1.6	30	**CM090**		**B5/B14**
	23	452	1.1	40	**CM090**		**B5/B14**
	45	267	3.1	20	**CM110**		**B5/B14**
	36	326	2.4	25	**CM110**		**B5/B14**
	30	372	2.6	30	**CM110**		**B5/B14**
	23	478	1.8	40	**CM110**		**B5/B14**
	18	565	1.4	50	**CM110**		**B5/B14**
	15	649	1.1	60	**CM110**		**B5/B14**
	23	471	2.3	40	**CM130**		**B5**
	18	581	1.8	50	**CM130**		**B5**
	15	669	1.5	60	**CM130**		**B5**
	11	815	1.1	80	**CM130**		**B5**
	9	939	0.8	100	**CM130**		**B5**
2.2							
90L2 (2800 min^{-1})	**373**	51	2.0	7.5	**CM063**		**B5/B14**
	280	66	1.7	10	**CM063**		**B5/B14**
	187	97	1.2	15	**CM063**		**B5/B14**
	140	126	0.8	20	**CM063**		**B5/B14**
	187	98	1.7	15	**CM070**		**B5/B14**
	140	128	1.2	20	**CM070**		**B5/B14**
	112	158	0.9	25	**CM070**		**B5/B14**
	93	182	1.0	30	**CM070**		**B5/B14**
	187	98	2.0	15	**CM075**		**B5/B14**
	140	128	1.4	20	**CM075**		**B5/B14**
	112	158	1.0	25	**CM075**		**B5/B14**
	93	182	1.2	30	**CM075**		**B5/B14**
	70	234	0.8	40	**CM075**		**B5/B14**
	140	129	2.4	20	**CM090**		**B5/B14**
	112	159	1.8	25	**CM090**		**B5/B14**
	93	187	2.1	30	**CM090**		**B5/B14**
	70	240	1.4	40	**CM090**		**B5/B14**
	56	293	1.0	50	**CM090**		**B5/B14**
	47	338	0.8	60	**CM090**		**B5/B14**
	47	362	1.3	60		**CMP090/090**	**B5/B14**
	37	441	1.0	75		**CMP090/090**	**B5/B14**
	31	503	1.1	90		**CMP090/090**	**B5/B14**
	23	627	0.8	120		**CMP090/090**	**B5/B14**
	70	243	2.4	40	**CM110**		**B5/B14**
	56	296	1.8	50	**CM110**		**B5/B14**
	47	347	1.4	60	**CM110**		**B5/B14**
	47	371	2.2	60		**CMP090/110**	**B5/B14**
	37	452	1.7	75		**CMP090/110**	**B5/B14**
	35	438	1.0	80	**CM110**		**B5/B14**
	31	510	1.9	90		**CMP090/110**	**B5/B14**
	23	671	1.3	120		**CMP090/110**	**B5/B14**
	19	794	1.0	150		**CMP090/110**	**B5/B14**
	16	900	0.8	180		**CMP090/110**	**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
2.2							
90L2 (2800 min^{-1})	**47**	347	1.8	60	**CM130**		**B5**
	35	432	1.3	80	**CM130**		**B5**
	28	525	1.0	100	**CM130**		**B5**
	23	653	1.7	120		**CMP090/130**	**B5/B14**
	19	805	1.3	150		**CMP090/130**	**B5/B14**
	16	927	1.0	180		**CMP090/130**	**B5/B14**
	12	1129	0.8	240		**CMP090/130**	**B5/B14**
100LA4 (1400 min^{-1})	**187**	100	2.0	7.5	**CM070**		**B5/B14**
	140	131	1.7	10	**CM070**		**B5/B14**
	93	189	1.2	15	**CM070**		**B5/B14**
	70	249	0.8	20	**CM070**		**B5/B14**
	187	100	2.4	7.5	**CM075**		**B5/B14**
	140	131	2.0	10	**CM075**		**B5/B14**
	93	189	1.4	15	**CM075**		**B5/B14**
	70	249	1.0	20	**CM075**		**B5/B14**
	56	300	0.8	25	**CM075**		**B5/B14**
	47	347	1.0	30	**CM075**		**B5/B14**
	140	132	2.8	10	**CM090**		**B5/B14**
	93	194	2.2	15	**CM090**		**B5/B14**
	70	252	1.6	20	**CM090**		**B5/B14**
	56	311	1.2	25	**CM090**		**B5/B14**
	47	356	1.4	30	**CM090**		**B5/B14**
	35	456	1.0	40	**CM090**		**B5/B14**
	70	255	2.9	20	**CM110**		**B5/B14**
	56	315	2.1	25	**CM110**		**B5/B14**
	47	360	2.2	30	**CM110**		**B5/B14**
	35	474	1.6	40	**CM110**		**B5/B14**
	28	570	1.2	50	**CM110**		**B5/B14**
	23	657	1.0	60	**CM110**		**B5/B14**
	35	456	2.3	40	**CM130**		**B5**
	28	563	1.7	50	**CM130**		**B5**
	23	657	1.4	60	**CM130**		**B5**
	18	828	1.0	80	**CM130**		**B5**
	14	960	0.8	100	**CM130**		**B5**
112M6 (900 min^{-1})	**120**	154	2.7	7.5	**CM090**		**B5/B14**
	90	203	2.2	10	**CM090**		**B5/B14**
	60	294	1.7	15	**CM090**		**B5/B14**
	45	383	1.2	20	**CM090**		**B5/B14**
	36	467	0.9	25	**CM090**		**B5/B14**
	30	532	1.1	30	**CM090**		**B5/B14**
	23	663	0.8	40	**CM090**		**B5/B14**
	45	388	2.1	20	**CM110**		**B5/B14**
	36	479	1.6	25	**CM110**		**B5/B14**
	30	546	1.8	30	**CM110**		**B5/B14**
	23	700	1.3	40	**CM110**		**B5/B14**
	18	829	1.0	50	**CM110**		**B5/B14**
	23	691	1.6	40	**CM130**		**B5**
	18	852	1.2	50	**CM130**		**B5**
	15	980	1.0	60	**CM130**		**B5**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
3.0							
100LA2 (2800 min^{-1})	**280**	91	1.7	10	**CM070**		**B5/B14**
	187	134	1.2	15	**CM070**		**B5/B14**
	140	174	0.9	20	**CM070**		**B5/B14**
	93	246	0.8	30	**CM070**		**B5/B14**
	373	69	2.5	7.5	**CM075**		**B5/B14**
	280	91	2.1	10	**CM075**		**B5/B14**
	187	134	1.5	15	**CM075**		**B5/B14**
	140	174	1.1	20	**CM075**		**B5/B14**
	112	215	0.8	25	**CM075**		**B5/B14**
	93	249	0.9	30	**CM075**		**B5/B14**
	187	135	2.4	15	**CM090**		**B5/B14**
	140	176	1.8	20	**CM090**		**B5/B14**
	112	217	1.3	25	**CM090**		**B5/B14**
	93	255	1.5	30	**CM090**		**B5/B14**
	70	327	1.0	40	**CM090**		**B5/B14**
	112	220	2.3	25	**CM110**		**B5/B14**
	93	252	2.5	30	**CM110**		**B5/B14**
	70	332	1.8	40	**CM110**		**B5/B14**
	56	404	1.3	50	**CM110**		**B5/B14**
	47	473	1.0	60	**CM110**		**B5/B14**
	56	404	1.7	50	**CM130**		**B5**
	47	473	1.3	60	**CM130**		**B5**
	35	589	0.9	80	**CM130**		**B5**
100LB4 (1400 min^{-1})	**187**	137	1.5	7.5	**CM070**		**B5/B14**
	140	178	1.2	10	**CM070**		**B5/B14**
	93	258	0.9	15	**CM070**		**B5/B14**
	187	137	1.7	7.5	**CM075**		**B5/B14**
	140	178	1.4	10	**CM075**		**B5/B14**
	93	258	1.0	15	**CM075**		**B5/B14**
	187	138	2.5	7.5	**CM090**		**B5/B14**
	140	180	2.1	10	**CM090**		**B5/B14**
	93	264	1.6	15	**CM090**		**B5/B14**
	70	344	1.2	20	**CM090**		**B5/B14**
	56	425	0.9	25	**CM090**		**B5/B14**
	47	485	1.0	30	**CM090**		**B5/B14**
	35	622	0.8	40	**CM090**		**B5/B14**
	93	264	2.7	15	**CM110**		**B5/B14**
	70	348	2.1	20	**CM110**		**B5/B14**
	56	430	1.6	25	**CM110**		**B5/B14**
	47	491	1.6	30	**CM110**		**B5/B14**
	35	647	1.2	40	**CM110**		**B5/B14**
	28	778	0.9	50	**CM110**		**B5/B14**
	47	485	2.2	30	**CM130**		**B5**
	35	622	1.7	40	**CM130**		**B5**
	28	767	1.3	50	**CM130**		**B5**
	23	896	1.0	60	**CM130**		**B5**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
3.0							
132S6 (900 min^{-1})	**120**	210	3.5	7.5	**CM110**		**B5/B14**
	90	277	2.9	10	**CM110**		**B5/B14**
	60	401	2.2	15	**CM110**		**B5/B14**
	45	528	1.5	20	**CM110**		**B5/B14**
	36	653	1.2	25	**CM110**		**B5/B14**
	30	735	1.3	30	**CM110**		**B5/B14**
	45	522	2.0	20	**CM130**		
	36	645	1.6	25	**CM130**		**B5/B14**
	30	735	1.6	30	**CM130**		**B5/B14**
	23	942	1.2	40	**CM130**		**B5/B14**
4.0							
112M2 (2800 min^{-1})	**373**	92	1.5	7.5	**CM070**		**B5/B14**
	280	121	1.3	10	**CM070**		**B5/B14**
	187	178	0.9	15	**CM070**		**B5/B14**
	373	92	1.9	7.5	**CM075**		**B5/B14**
	280	121	1.5	10	**CM075**		**B5/B14**
	187	178	1.1	15	**CM075**		**B5/B14**
	140	232	0.8	20	**CM075**		**B5/B14**
	280	123	2.3	10	**CM090**		**B5/B14**
	187	180	1.8	15	**CM090**		**B5/B14**
	140	235	1.3	20	**CM090**		**B5/B14**
	93	336	1.1	30	**CM090**		**B5/B14**
	70	437	0.8	40	**CM090**		**B5/B14**
	140	237	2.3	20	**CM110**		**B5/B14**
	112	293	1.7	25	**CM110**		**B5/B14**
	93	336	1.9	30	**CM110**		**B5/B14**
	70	442	1.3	40	**CM110**		**B5/B14**
	56	539	1.0	50	**CM110**		**B5/B14**
112M4 (1400 min^{-1})	**187**	182	1.1	7.5	**CM070**		**B5/B14**
	140	237	0.9	10	**CM070**		**B5/B14**
	187	182	1.3	7.5	**CM075**		**B5/B14**
	140	237	1.1	10	**CM075**		**B5/B14**
	93	344	0.8	15	**CM075**		**B5/B14**
	187	184	1.9	7.5	**CM090**		**B5/B14**
	140	240	1.6	10	**CM090**		**B5/B14**
	93	352	1.2	15	**CM090**		**B5/B14**
	70	458	0.9	20	**CM090**		**B5/B14**
	47	655	0.8	30	**CM090**		**B5/B14**
	140	240	2.8	10	**CM110**		**B5/B14**
	93	352	2.1	15	**CM110**		**B5/B14**
	70	464	1.6	20	**CM110**		**B5/B14**
	56	573	1.2	25	**CM110**		**B5/B14**
	47	655	1.2	30	**CM110**		**B5/B14**
	35	862	0.9	40	**CM110**		**B5/B14**
	70	458	2.0	20	**CM130**		**B5**
	56	566	1.6	25	**CM130**		**B5**
	47	647	1.6	30	**CM130**		**B5**
	35	829	1.3	40	**CM130**		**B5**
	28	1023	0.9	50	**CM130**		**B5**

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Technical data

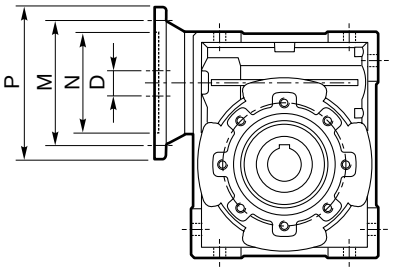
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
4.0							
132L6 (900 min^{-1})	**120**	280	2.6	7.5	**CM110**		**B5/B14**
	90	369	2.2	10	**CM110**		**B5/B14**
	60	535	1.6	15	**CM110**		**B5/B14**
	45	705	1.1	20	**CM110**		**B5/B14**
	36	870	0.9	25	**CM110**		**B5/B14**
	30	980	1.0	30	**CM110**		**B5/B14**
	45	696	1.5	20	**CM130**		**B5/B14**
	36	860	1.2	25	**CM130**		**B5/B14**
	30	980	1.2	30	**CM130**		**B5/B14**
5.5							
132SA2 (2800 min^{-1})	**373**	127	3.5	7.5	**CM110**		**B5/B14**
	280	167	2.9	10	**CM110**		**B5/B14**
	187	248	2.2	15	**CM110**		**B5/B14**
	140	326	1.6	20	**CM110**		**B5/B14**
	112	403	1.3	25	**CM110**		**B5/B14**
	93	461	1.4	30	**CM110**		**B5/B14**
	140	326	2.1	20	**CM130**		**B5/B14**
	112	403	1.6	25	**CM130**		**B5/B14**
	93	461	1.7	30	**CM130**		**B5/B14**
	70	600	1.3	40	**CM130**		**B5/B14**
132S4 (1400 min^{-1})	**187**	250	2.4	7.5	**CM110**		**B5/B14**
	140	330	2.0	10	**CM110**		**B5/B14**
	93	484	1.5	15	**CM110**		**B5/B14**
	70	638	1.2	20	**CM110**		**B5/B14**
	56	788	0.9	25	**CM110**		**B5/B14**
	47	912	0.9	30	**CM110**		**B5/B14**
	187	250	3.0	7.5	**CM130**		**B5/B14**
	140	330	2.5	10	**CM130**		**B5/B14**
	93	484	1.9	15	**CM130**		**B5/B14**
	70	630	1.4	20	**CM130**		**B5/B14**
	56	778	1.2	25	**CM130**		**B5/B14**
	47	889	1.2	30	**CM130**		**B5/B14**
	35	1141	0.9	40	**CM130**		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i			IEC
7.5							
132SB2 (2800 min^{-1})	**373**	173	2.5	7.5	**CM110**		**B5/B14**
	280	228	2.2	10	**CM110**		**B5/B14**
	187	338	1.6	15	**CM110**		**B5/B14**
	140	445	1.2	20	**CM110**		**B5/B14**
	112	550	0.9	25	**CM110**		**B5/B14**
	93	629	1.0	30	**CM110**		**B5/B14**
	187	338	2.1	15	**CM130**		**B5/B14**
	140	445	1.5	20	**CM130**		**B5/B14**
	112	550	1.2	25	**CM130**		**B5/B14**
	93	629	1.3	30	**CM130**		**B5/B14**
	70	819	0.9	40	**CM130**		**B5/B14**
132MA4 (1400 min^{-1})	**187**	341	1.8	7.5	**CM110**		**B5/B14**
	140	450	1.5	10	**CM110**		**B5/B14**
	93	660	1.1	15	**CM110**		**B5/B14**
	70	870	0.9	20	**CM110**		**B5/B14**
	187	341	2.2	7.5	**CM130**		**B5/B14**
	140	450	1.8	10	**CM130**		**B5/B14**
	93	660	1.4	15	**CM130**		**B5/B14**
	70	860	1.1	20	**CM130**		**B5/B14**
	56	1062	0.9	25	**CM130**		**B5/B14**
	47	1213	0.9	30	**CM130**		**B5/B14**

Motori applicabili

IEC Motor adapters

	IEC	N	M	P	D	i											
						5	7.5	10	15	20	25	30	40	50	60	80	100
CM026	**56B14**	50	65	80	9												
CM030	**63B5**	95	115	140	11												
	63B14	60	75	90													
	56B5	80	100	120	9	**B**	**B**	**B**	**B**	**B**	**B**	**B**	**B**	**B**			
	56B14	50	65	80													
CM040	**71B5**	110	130	160	14												
	71B14	70	85	105													
	63B5	95	115	140	11	**B**	**B**	**B**	**B**	**B**	**B**	**B**	**B**				
	63B14	60	75	90													
	56B5	80	100	120	9	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**B**	**B**	**B**	**B**
	56B14	50	65	80													
CM050	**80B5**	130	165	200	19												
	80B14	80	100	120													
	71B5	110	130	160	14	**B**	**B**	**B**	**B**	**B**	**B**	**B**					
	71B14	70	85	105													
	63B5	95	115	140	11	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**B**	**B**	**B**	**B**	
	63B14	60	75	90													
CM063	**90B5**	130	165	200	24												
	90B14	95	115	140													
	80B5	130	165	200	19	**B**	**B**	**B**	**B**	**B**	**B**	**B**					
	80B14	80	100	120													
	71B5	110	130	160	14	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**B**	**B**	**B**		
	71B14	70	85	105													
	63B5	95	115	140	11								**BS**	**BS**	**BS**	**B**	**B**
CM070	**100/112B5**	180	215	250	28												
	100/112B14	110	130	160													
	90B5	130	165	200	24		**B**	**B**	**B**	**B**							
	90B14	95	115	140													
	80B5	130	165	200	19		**BS**	**BS**	**BS**	**BS**	**B**	**B**	**B**				
	80B14	80	100	120													
	71B5	110	130	160	14						**BS**	**BS**	**BS**	**B**	**B**	**B**	**B**
CM075	**100/112B5**	180	215	250	28												
	100/112B14	110	130	160													
	90B5	130	165	200	24		**B**	**B**	**B**	**B**	**B**	**B**					
	90B14	95	115	140													
	80B5	130	165	200	19		**BS**	**BS**	**BS**	**BS**	**BS**	**BS**	**B**	**B**			
	80B14	80	100	120													
	71B5	110	130	160	14								**BS**	**BS**	**B**	**B**	**B**



N.B.

Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

N.B. Grey areas indicate motor inputs available on each size of unit.

B/BS = Boccola di riduzione in acciaio

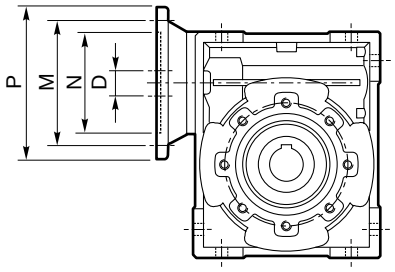
B/BS = Metal shaft sleeve

Nota: flange Nema disponibili a richiesta
Note: *Nema flange available on demand*

Motori applicabili

IEC Motor adapters

	IEC	N	M	P	D	i											
						5	7.5	10	15	20	25	30	40	50	60	80	100
CM090	100/112B5	180	215	250	28												
	100/112B14	110	130	160													
	90B5	130	165	200	24		B	B	B	B	B	B	B				
	90B14	95	115	140													
	80B5	130	165	200	19		BS	BS	BS	BS	BS	BS	BS	B	B	B	
	80B14	80	100	120													
	71B5	110	130	160	14									BS	BS	BS	B
CM110	132B5	230	265	300	38												
	132B14	130	165	200													
	100/112B5	180	215	250	28		B	B	B	B	B	B					
	100/112B14	110	130	160													
	90B5	130	165	200	24		BS	BS	BS	BS	BS	BS	B	B	B		
	90B14	95	115	140													
	80B5	130	165	200	19								BS	BS	BS	B	B
CM130	132B5	230	265	300	38												
	132B14	130	165	200													
	100/112B5	180	215	250	28		B	B	B	B	B	B	B				
	90B5	130	165	200	24		BS	BS	BS	BS	BS	BS	BS	B	B	B	B
	80B5	130	165	200	19									BS	BS	BS	BS



N.B.

Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

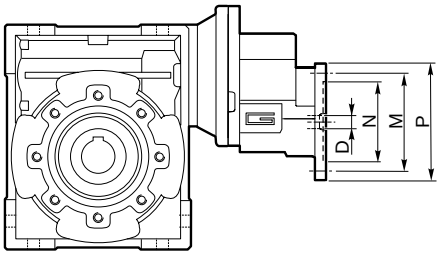
N.B. Grey areas indicate motor inputs available on each size of unit.

B/BS = Boccola di riduzione in acciaio

B/BS = Metal shaft sleeve

Nota: flange Nema disponibili a richiesta
***Note:** Nema flange available on demand*

CMP	IEC	N	M	P	D	i (i_1 x i_2)							
						60 (3x20)	75 (3x25)	90 (3x30)	120 (3x40)	150 (3x50)	180 (3x60)	240 (3x80)	300 (3x100)
056/030	56 B14	50	65	80	9								
056/040						B	B	B	B				
063/040	63 B14	60	75	90	11								
063/050						B	B	B					
063/063						BS	BS	BS	B	B	B		
071/050	71 B14	70	85	105	14								
071/063						B	B	B					
071/070						B	B	B	B				
071/075						B	B	B	B				
071/090						BS	BS	BS	B	B	B		
080/063	80 B14	80	100	120	19								
080/070													
080/075													
080/090						B	B	B					
080/110						BS	BS	B	B	B	B		
080/130						BS	BS	BS	BS	B	B	B	B
090/070	90 B14 90 B5	95 130	115 165	140 200	24								
090/075													
090/090						B	B	B					
090/110						BS	BS	B	B	B	B		
090/130						BS	BS	BS	BS	B	B	B	B



N.B.

Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

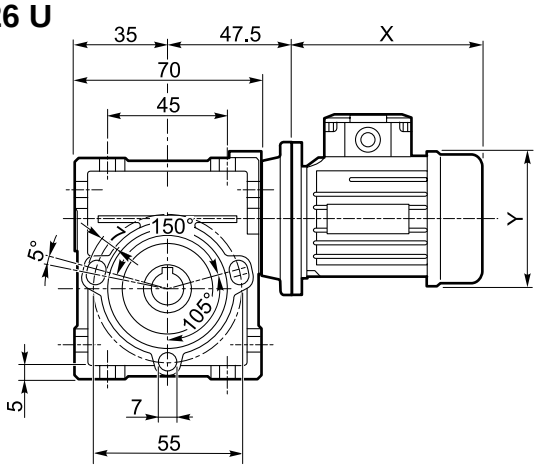
N.B. Grey areas indicate motor inputs available on each size of unit.

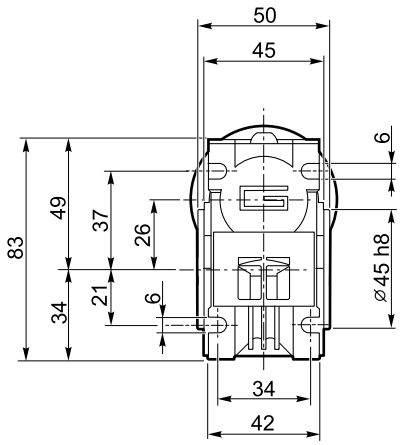
B/BS = Boccola di riduzione in acciaio

B/BS = Metal shaft sleeve

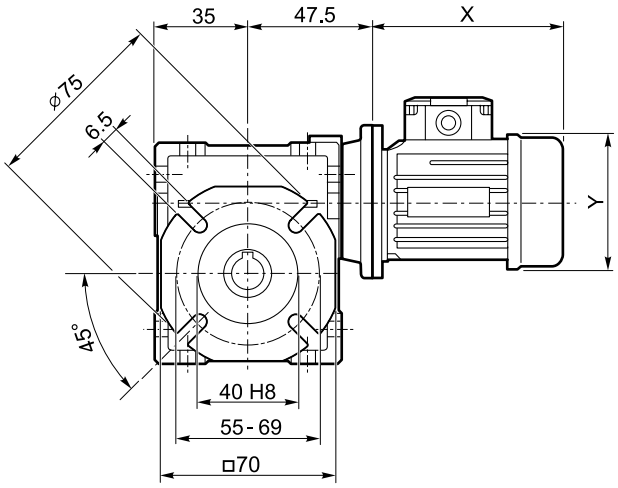
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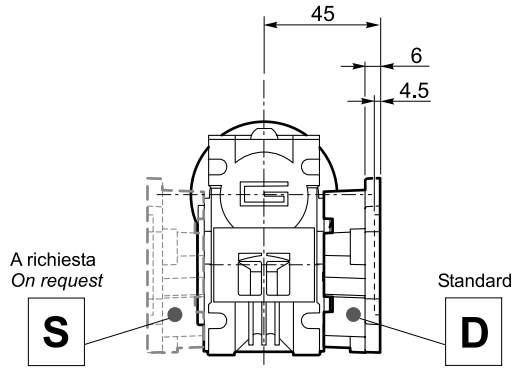
CM 026 U





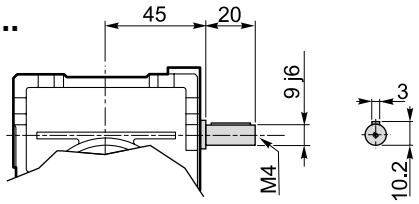
CM 026 F

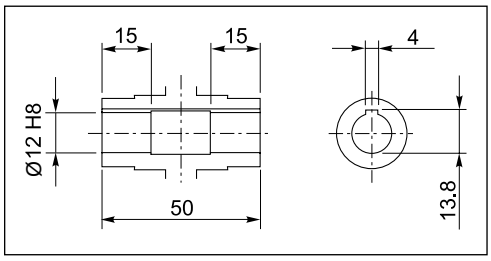




Kg
0.8

CMIS 026 ..

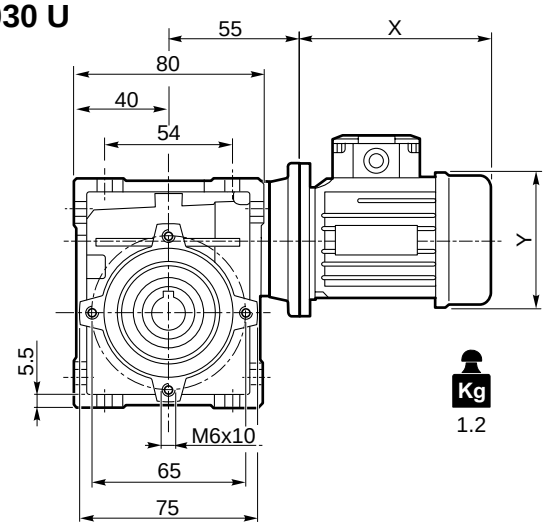


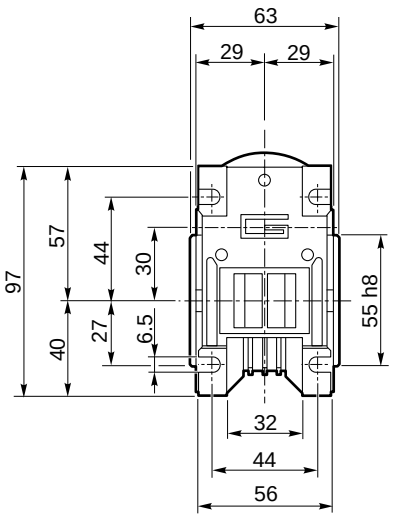


Albero lento cavo / *Hollow output shaft*

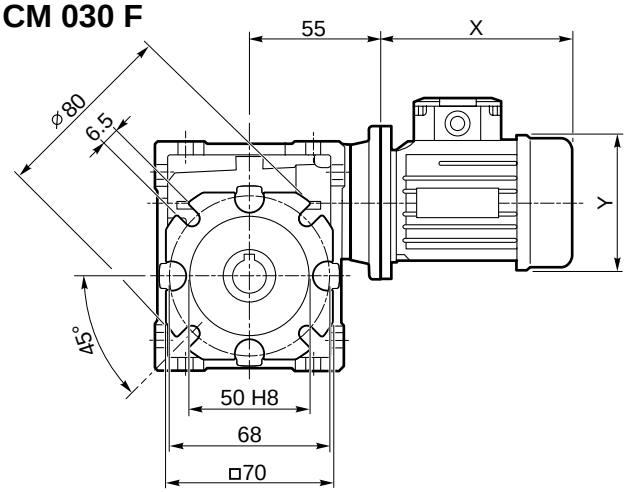
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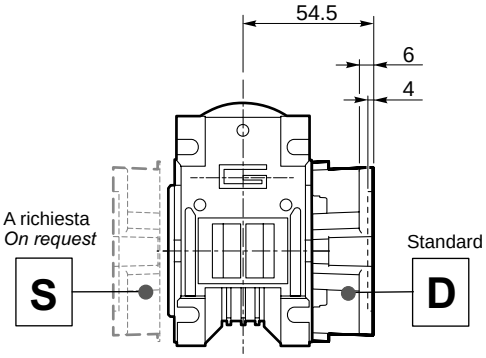
CM 030 U

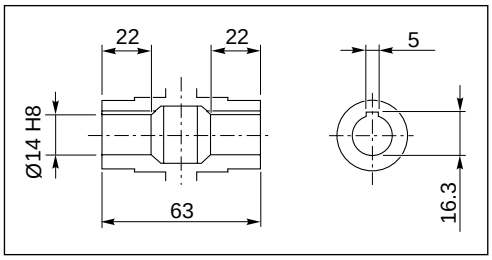




CM 030 F

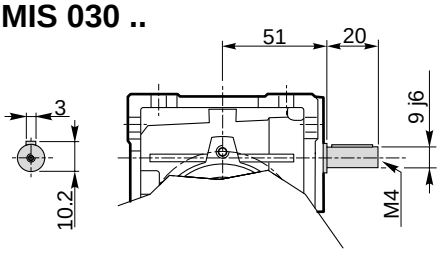




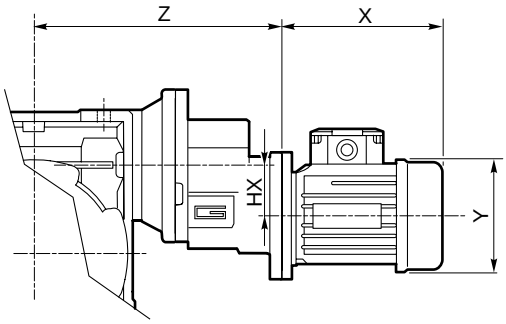


Albero lento cavo / *Hollow output shaft*

CMIS 030 ..



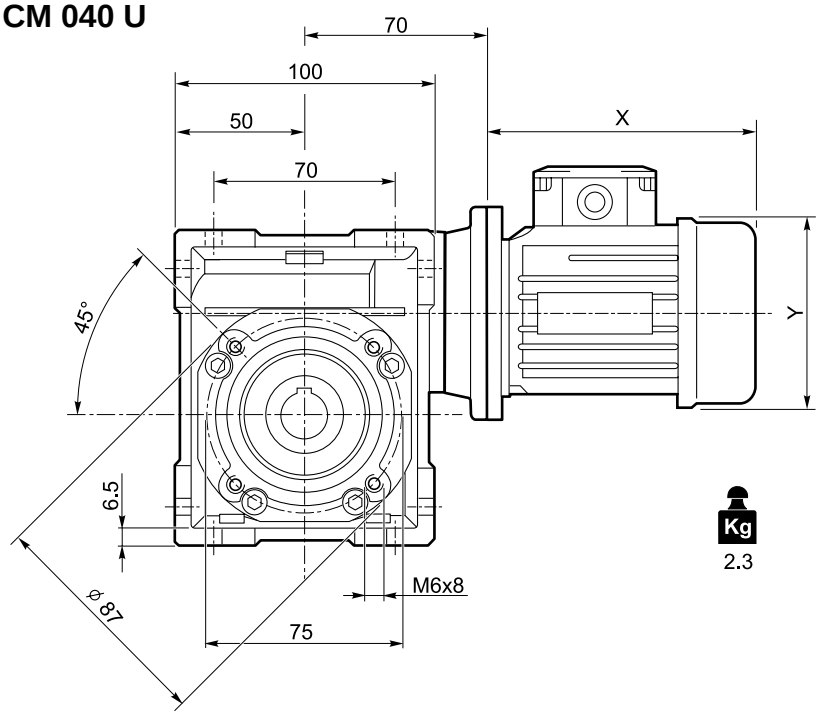
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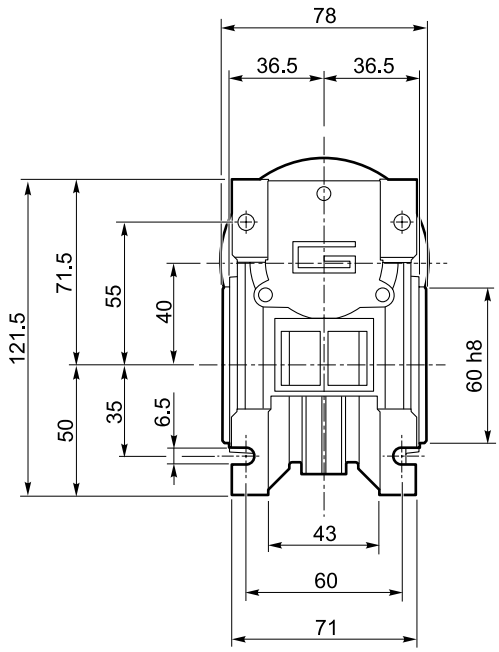


	HX	Z	Kg
056/030	30.5	124	2.1

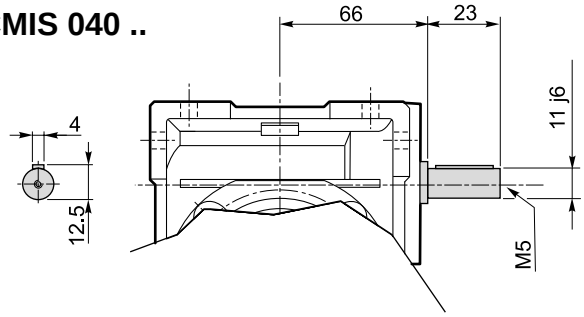
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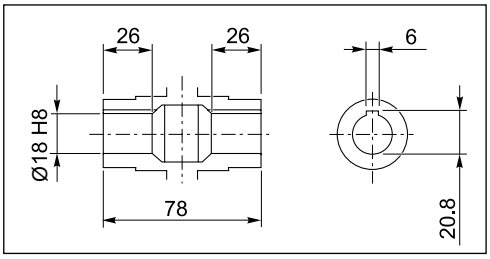
CM 040 U





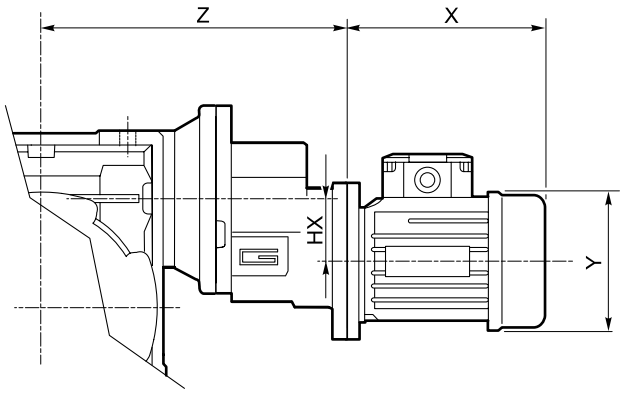
CMIS 040 ..





Albero lento cavo / *Hollow output shaft*

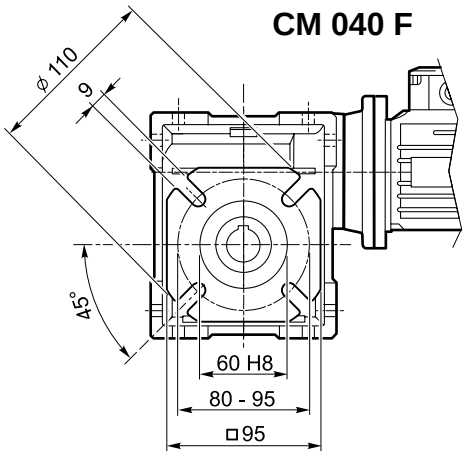
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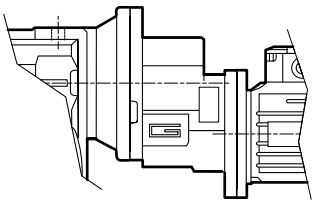
	HX	Z	Kg
056/040	30.5	139	3.2
063/040	30.5	142	3.3

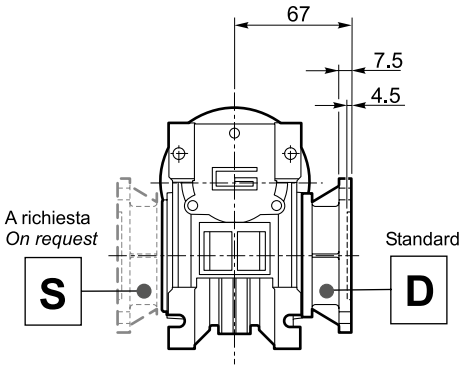
Dimensioni *Dimensions*

CM 040 F

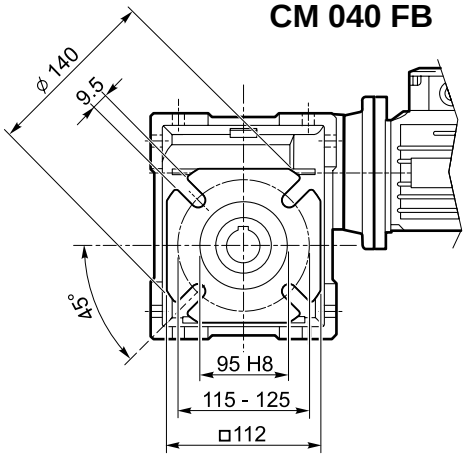


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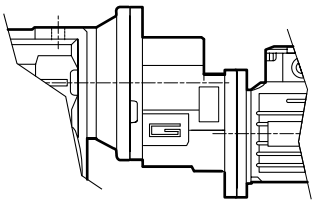


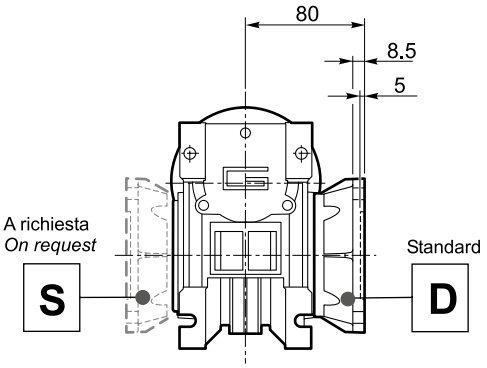


CM 040 FB

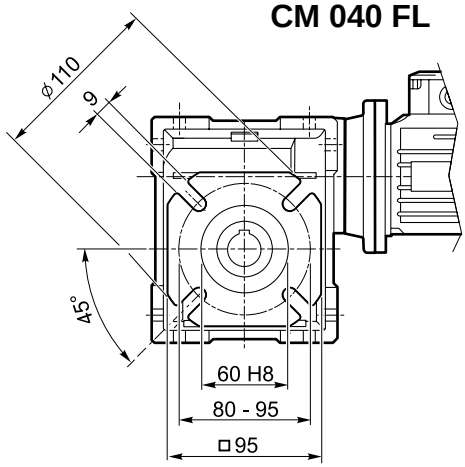


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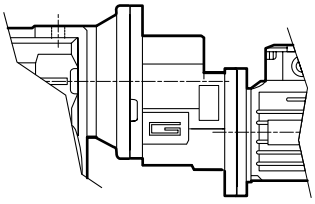


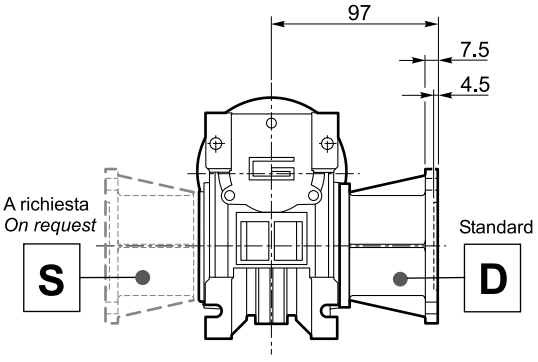


CM 040 FL



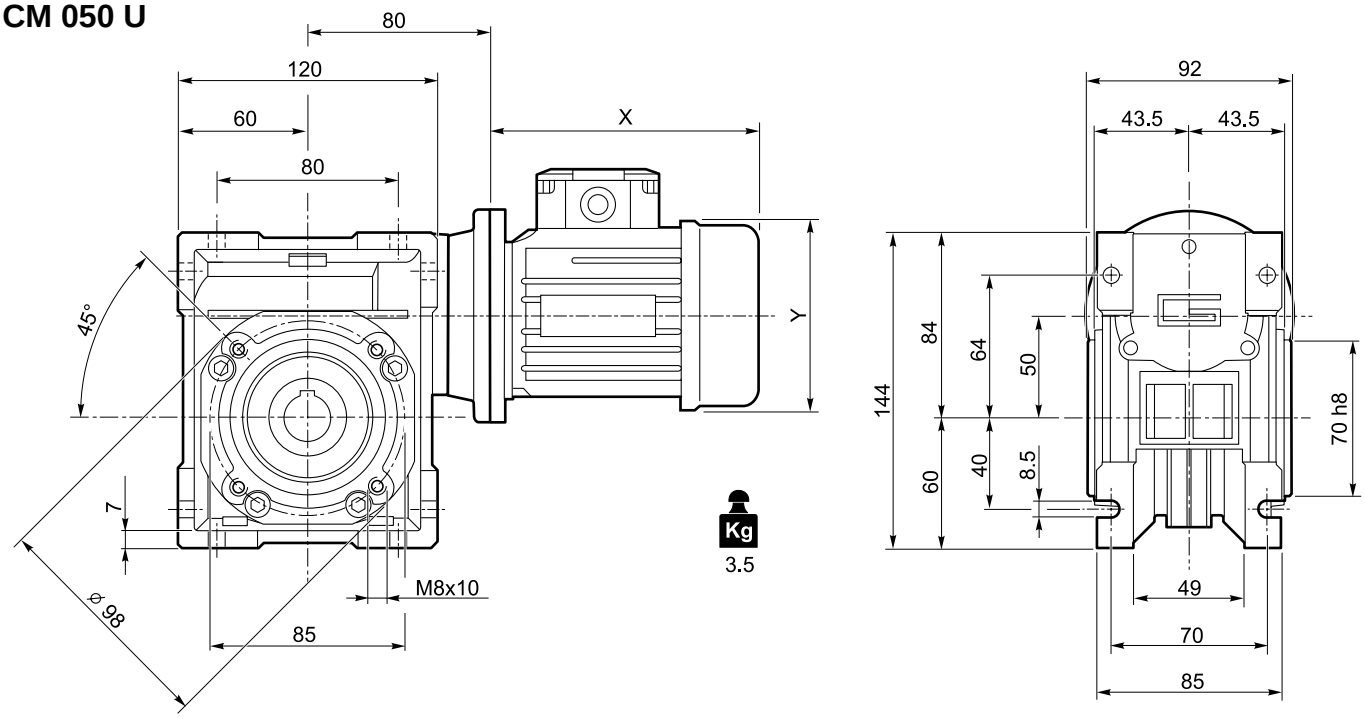
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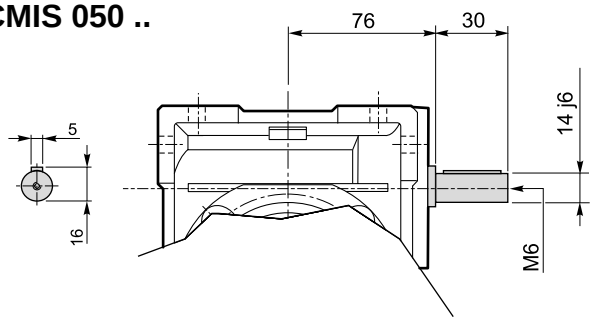


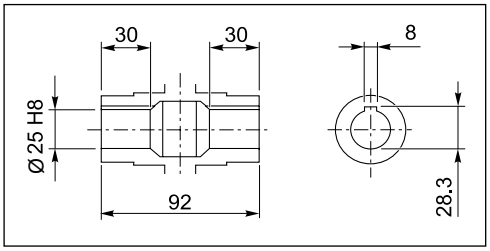
Dimensioni ***Dimensions***

CM 050 U



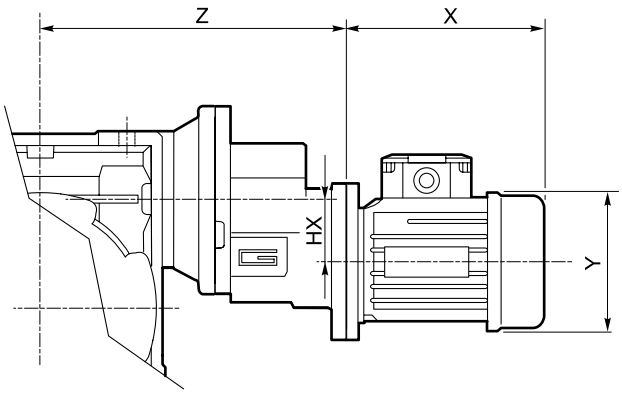
CMIS 050 ..





Albero lento cavo / *Hollow output shaft*

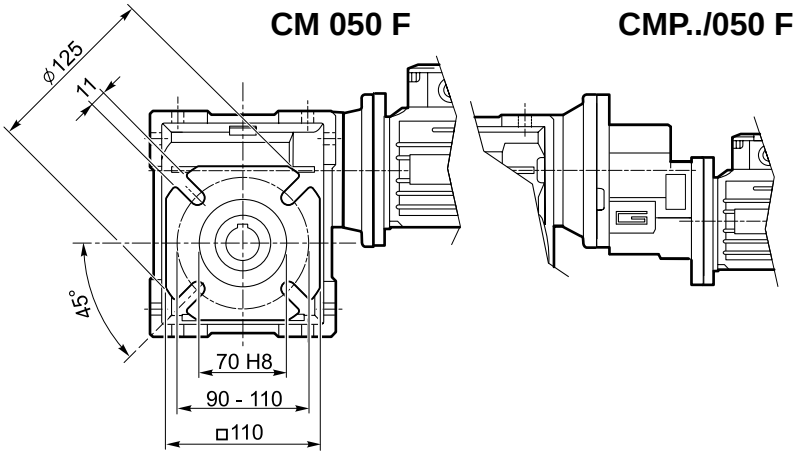
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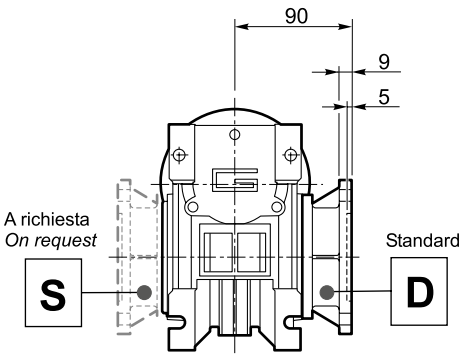


	HX	Z	Kg
063/050	30.5	152	4.5
071/050	41	169	5.5

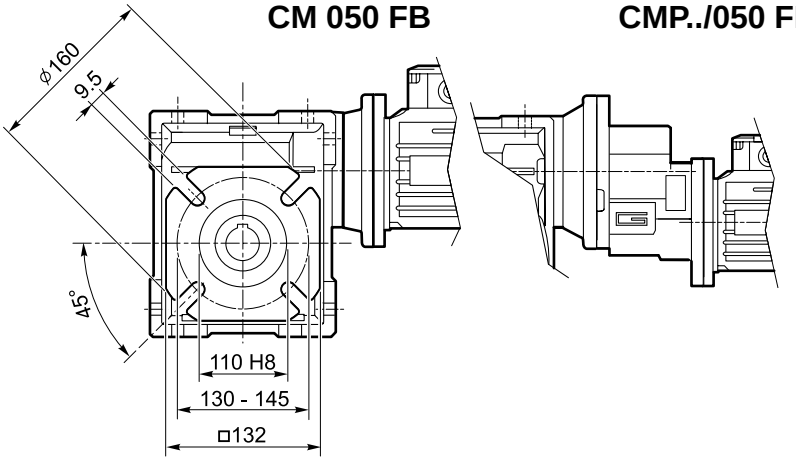
Dimensioni — *Dimensions*

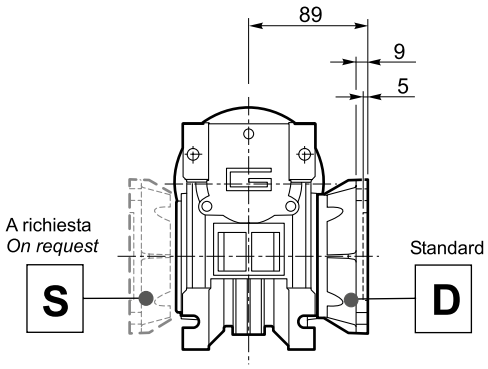
CM 050 F — CMP../050 F



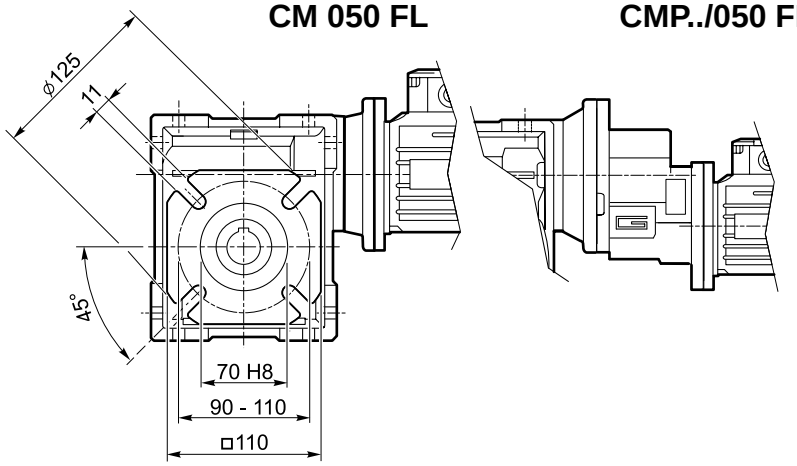


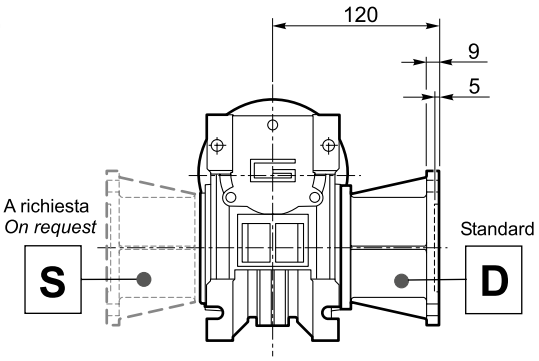
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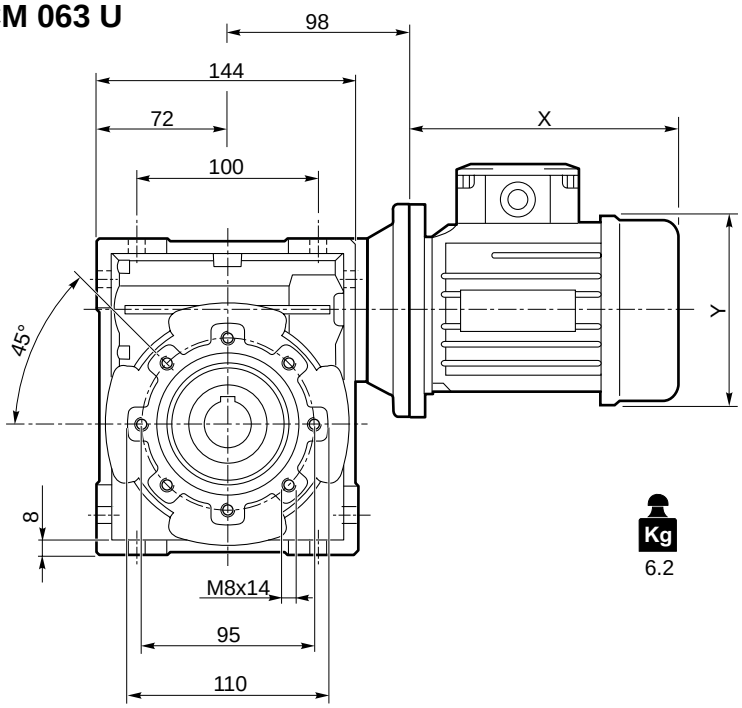
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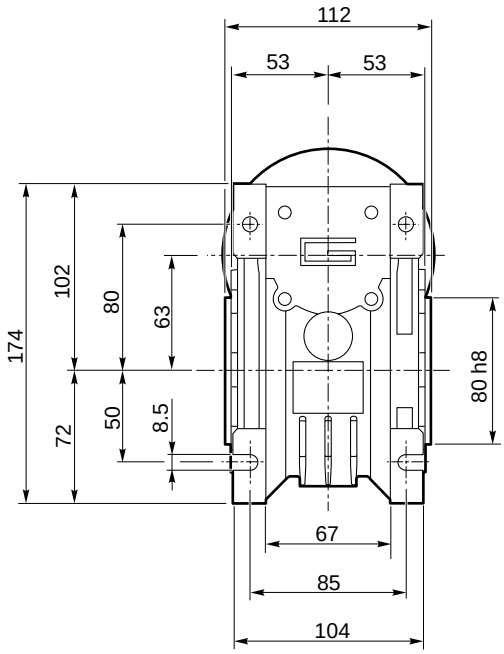




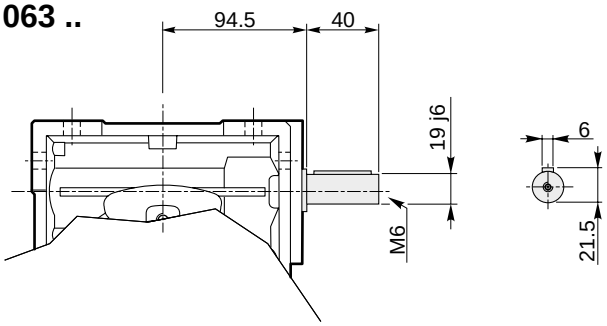
Dimensioni ***Dimensions***

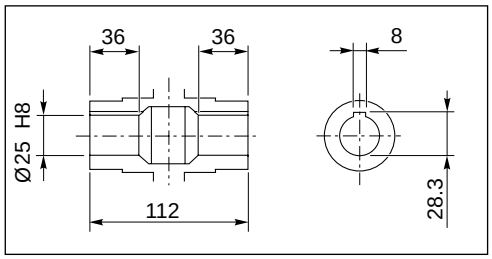
CM 063 U





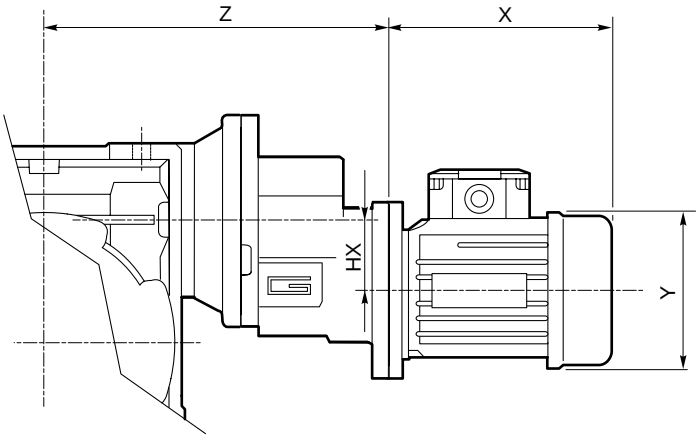
CMIS 063 ..





Albero lento cavo / *Hollow output shaft*

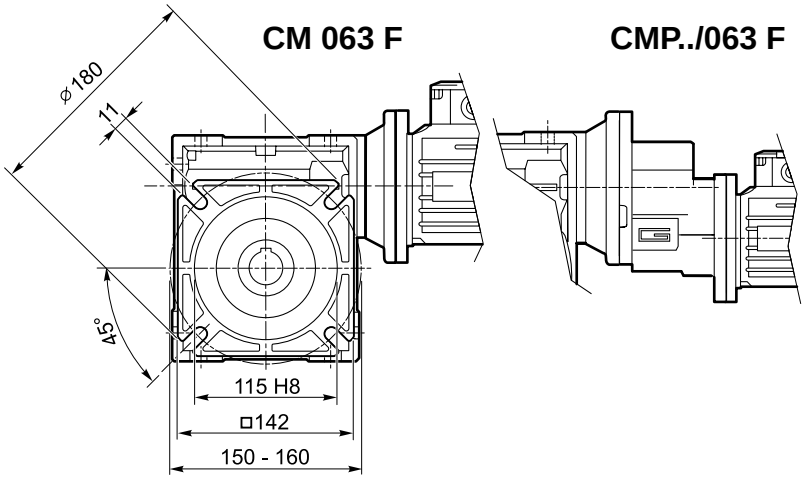
CMP ..

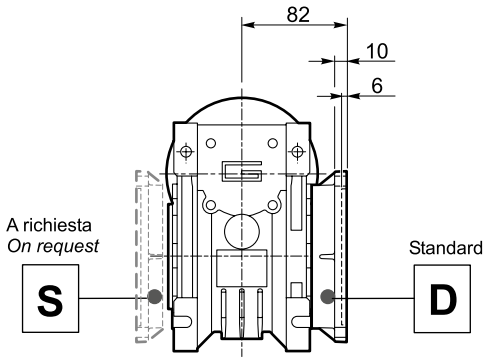


	HX	Z	Kg
063/063	30.5	170	7.2
071/063	41	187	8.2
080/063	41	198	9.0

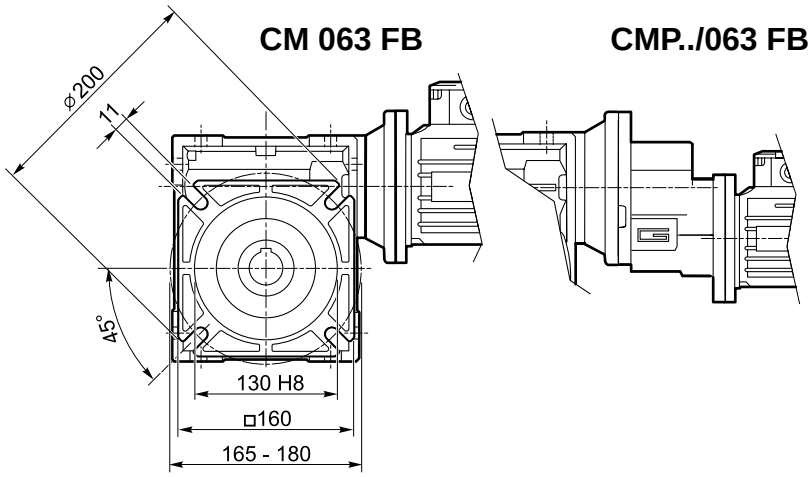
Dimensioni — *Dimensions*

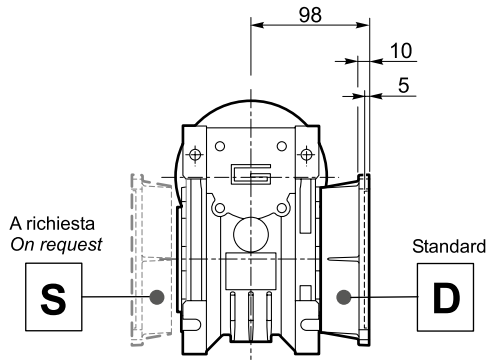
CM 063 F — CMP../063 F



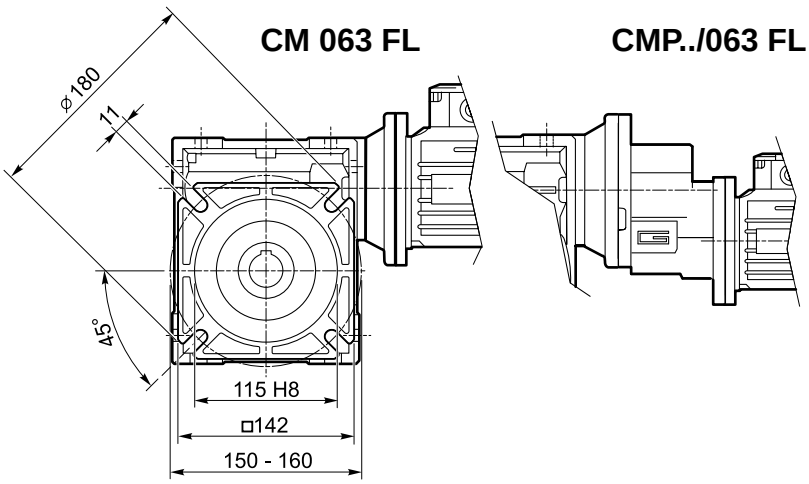


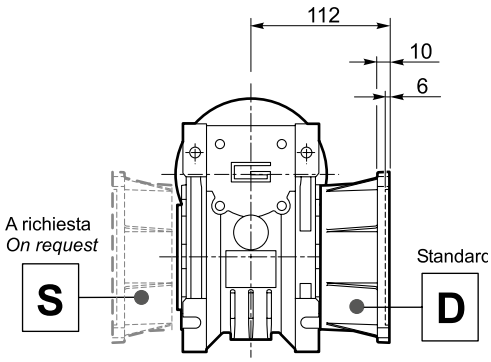
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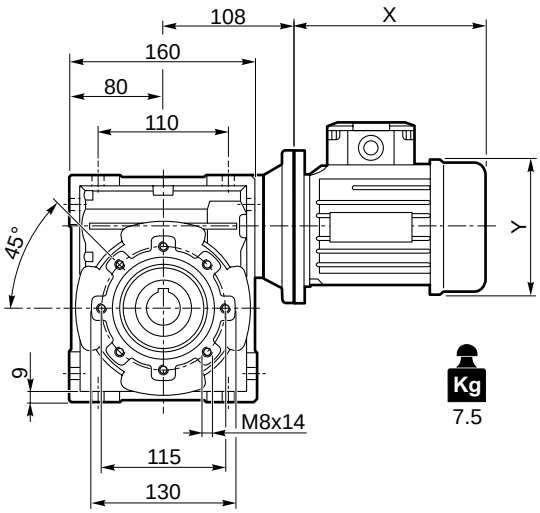
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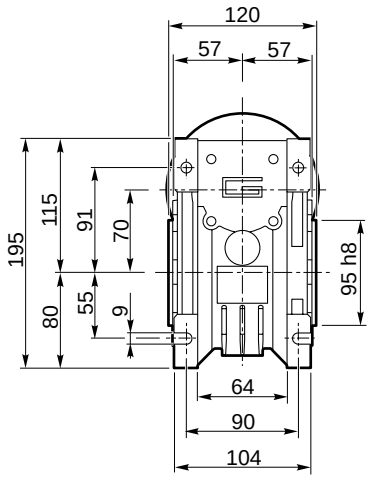




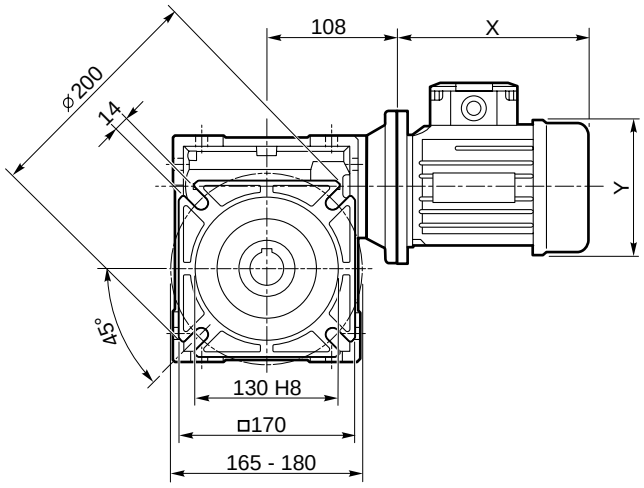
Dimensioni ***Dimensions***

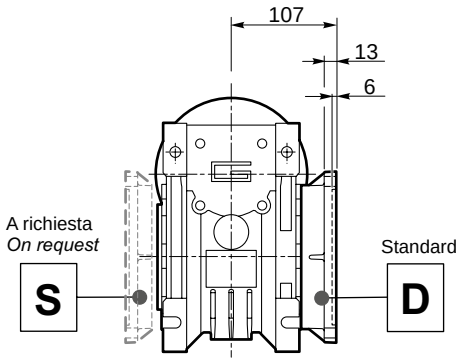
CM 070 U



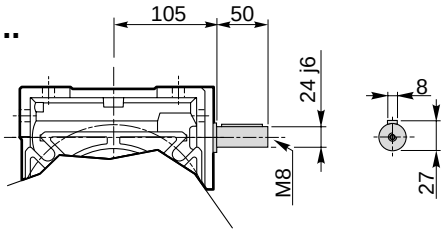


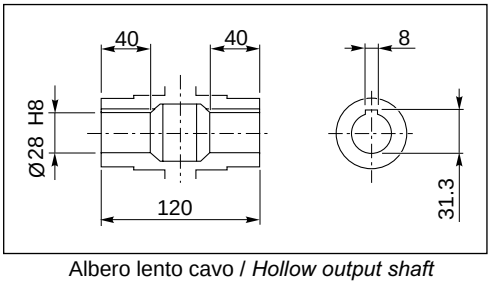
CM 070 F





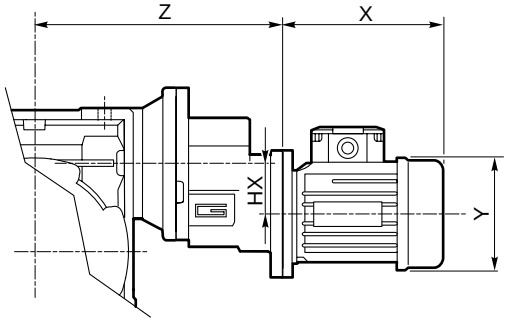
CMIS 070 ..





Albero lento cavo / *Hollow output shaft*

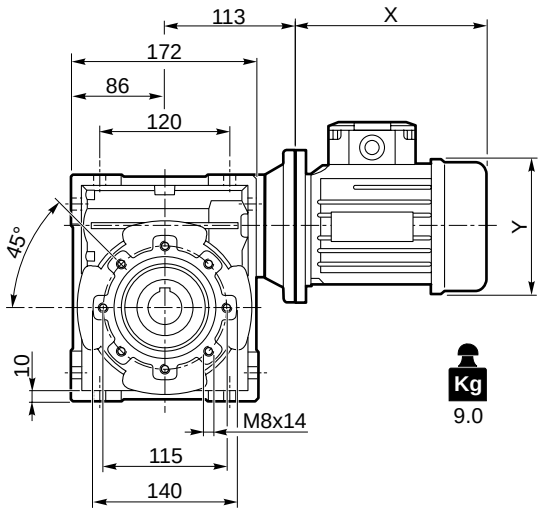
CMP ..

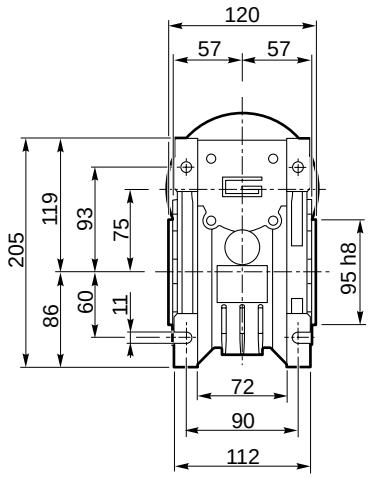


	HX	Z	Kg
071/070	41	197	9
080/070	41	208	9.8
090/070	36.5	262	10.5

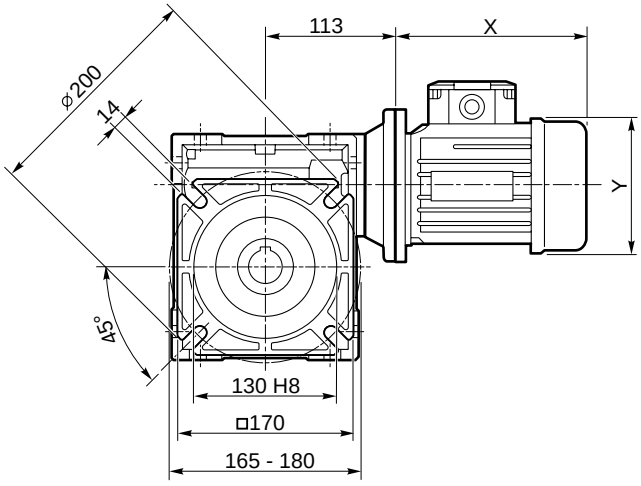
Dimensioni | ***Dimensions***

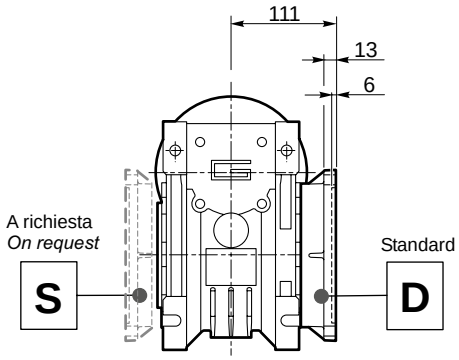
CM 075 U



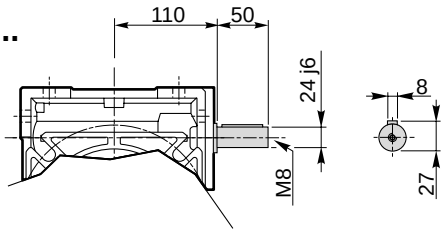


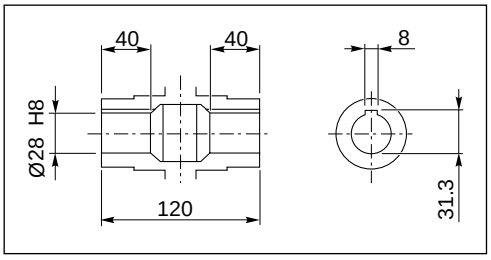
CM 075 F





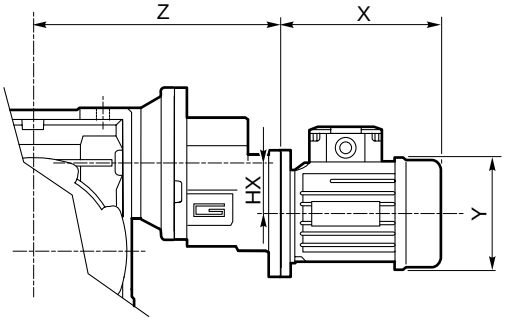
CMIS 075 ..





Albero lento cavo / *Hollow output shaft*

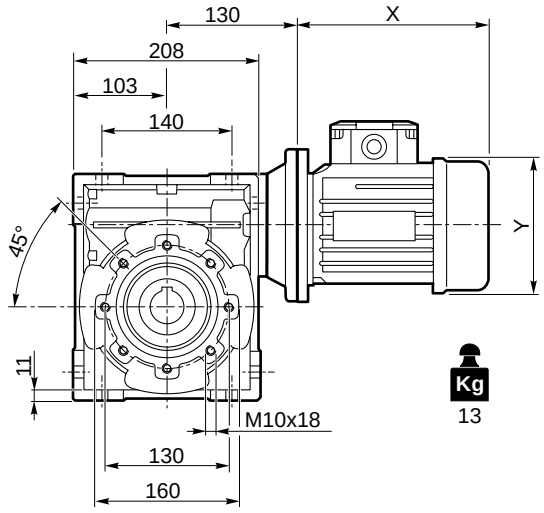
CMP ..

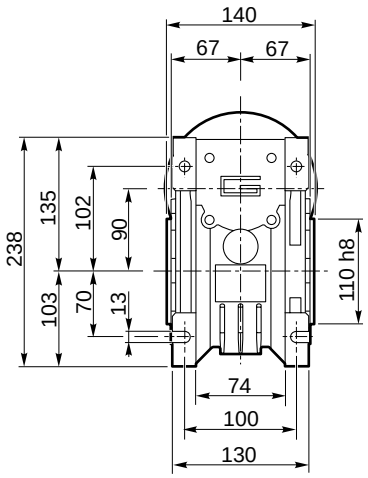


	HX	Z	Kg
071/075	41	202	11.0
080/075	41	213	11.8
090/075	36.5	267	12.5

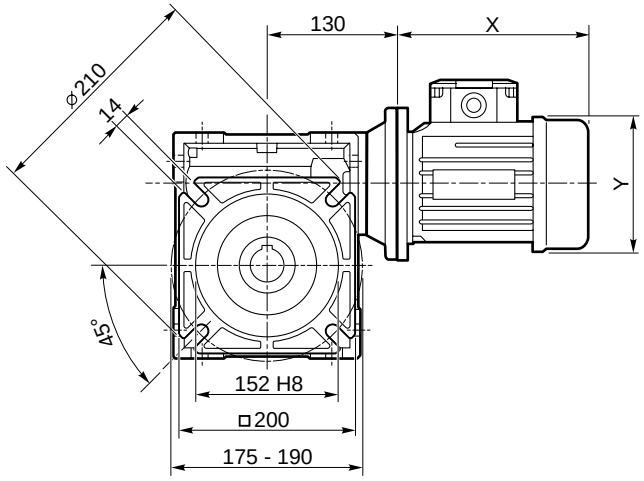
Dimensioni *Dimensions*

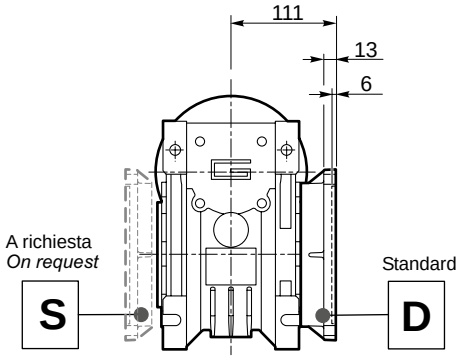
CM 090 U



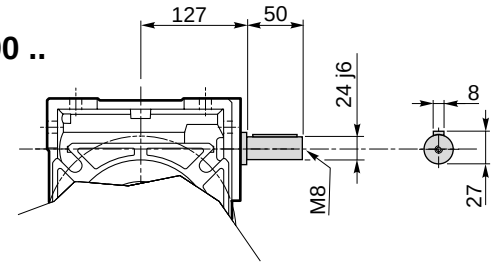


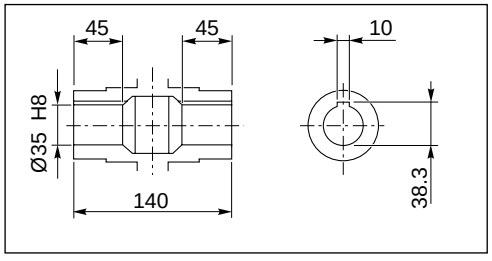
CM 090 F





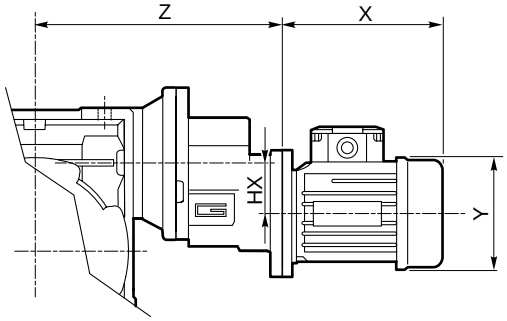
CMIS 090 ..





Albero lento cavo / *Hollow output shaft*

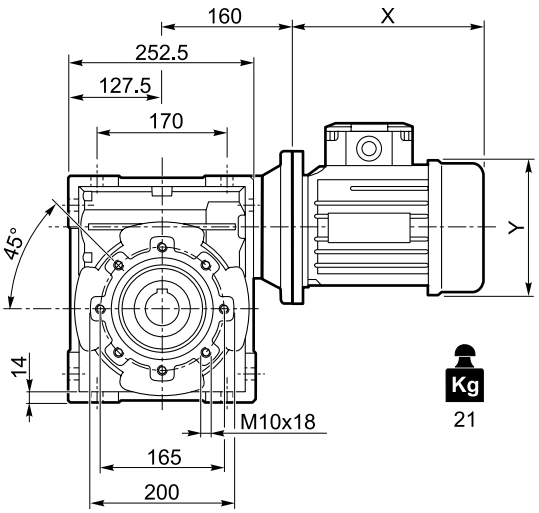
CMP ..

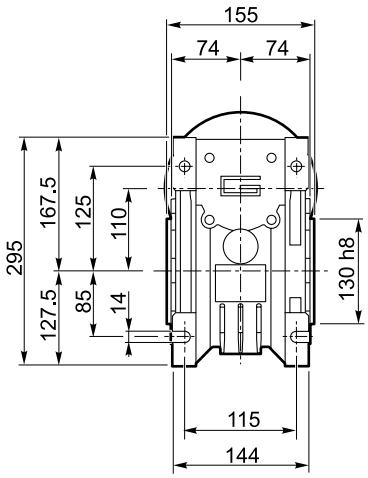


	HX	Z	Kg
071/090	41	219	15.0
080/090	41	230	15.8
090/090	36.5	284	16.5

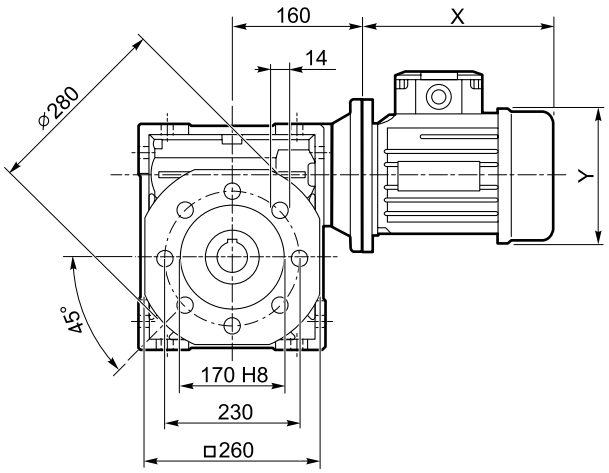
Dimensioni | ***Dimensions***

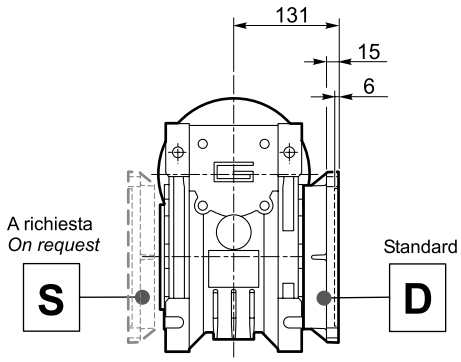
CM 110 U



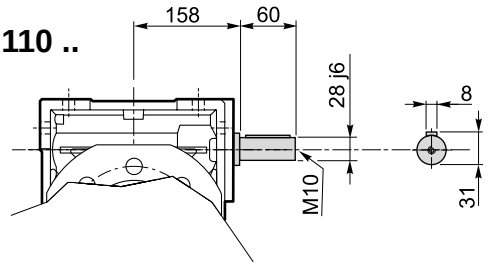


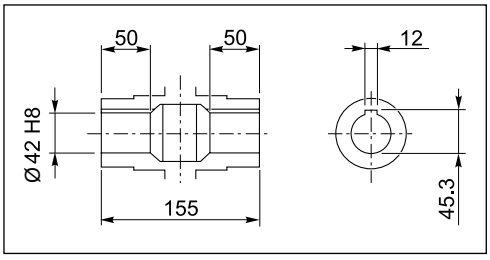
CM 110 F





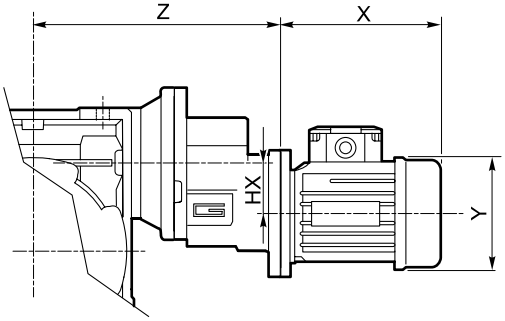
CMIS 110 ..





Albero lento cavo / *Hollow output shaft*

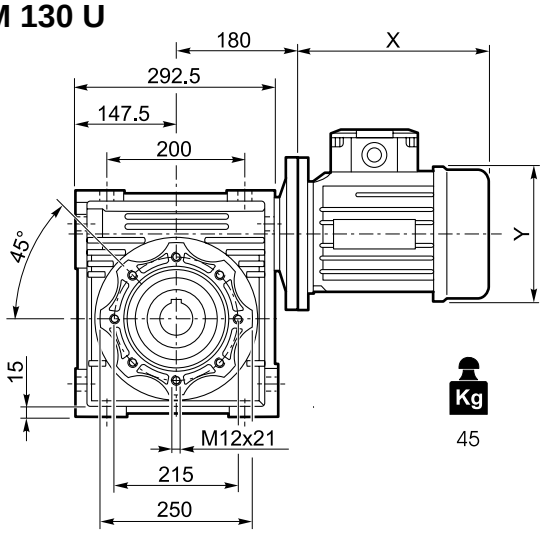
CMP ..

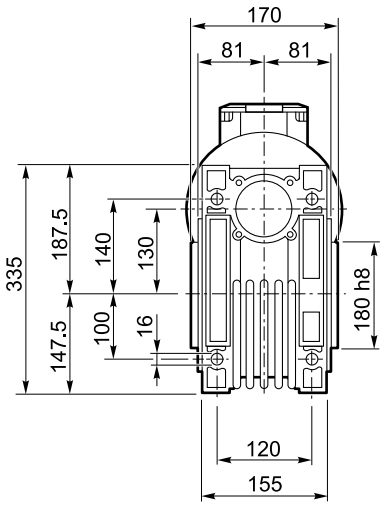


	HX	Z	Kg
080/110	41	260	23.8
090/110	36.5	314	24.5

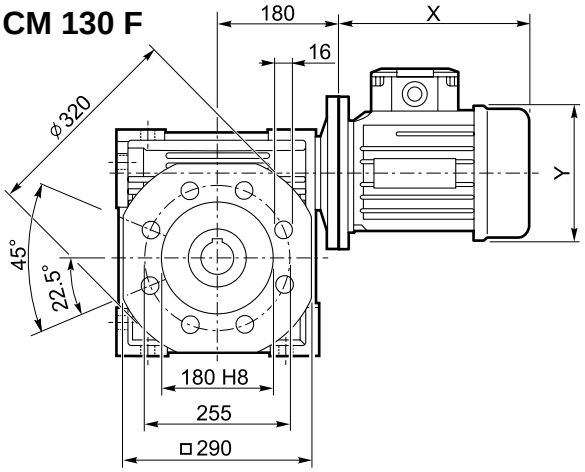
Dimensioni — *Dimensions*

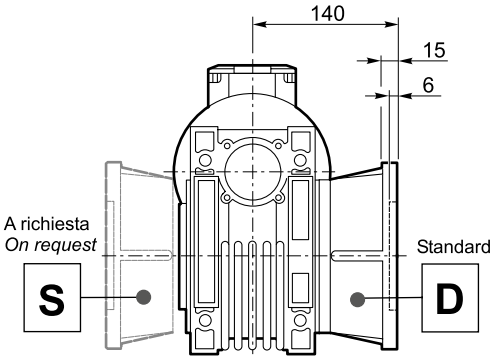
CM 130 U

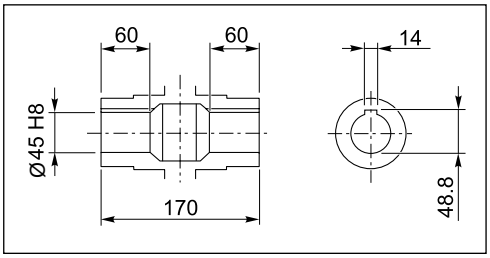




CM 130 F

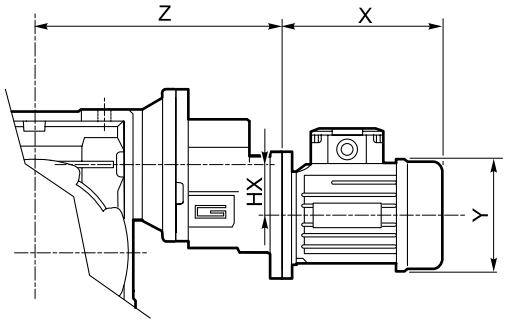






Albero lento cavo / *Hollow output shaft*

CMP ..



	HX	Z	Kg
080/130	41	280	47.8
090/130	36.5	334	48.5

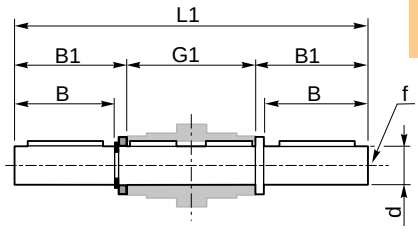
Accessori

Accessories

Albero lento semplice e doppio

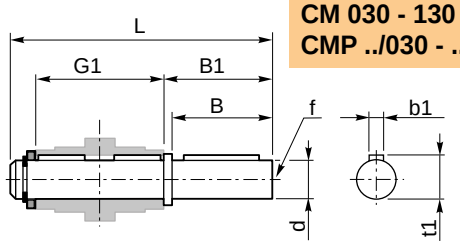
Single and double output shaft

DZ



CM 030 - 130
CMP ../030 - ../130

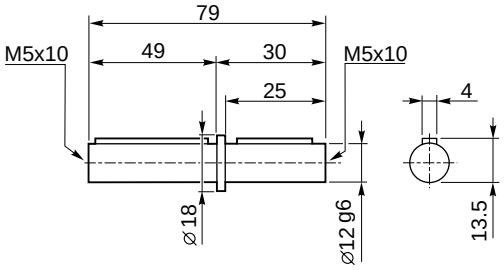
SZ



CM 030 - 130
CMP ../030 - ../130

CM	CMP	d h7	B	B1	G1	L	L1	f	b1	t1
030	056/030	14	30	32.5	63	102	128	M6	5	16
040	056/040 063/040	18	40	43	78	128	164	M6	6	20.5
050	063/050 071/050	25	50	53.5	92	153	199	M10	8	28
063	063/063 071/063 080/063	25	50	53.5	112	173	219	M10	8	28
070	071/070 080/070 090/070	28	60	63.5	120	192	247	M10	8	31
075	071/075 080/075 090/075	28	60	63.5	120	192	247	M10	8	31
090	071/090 080/090 090/090	35	80	84.5	140	234	309	M12	10	38
110	080/110 090/110	42	80	84.5	155	249	324	M16	12	45
130	080/130 090/130	45	80	85	170	265	340	M16	14	48.5

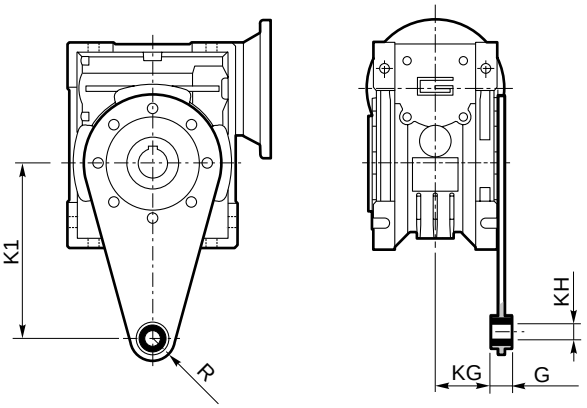
CM 026



Braccio di reazione

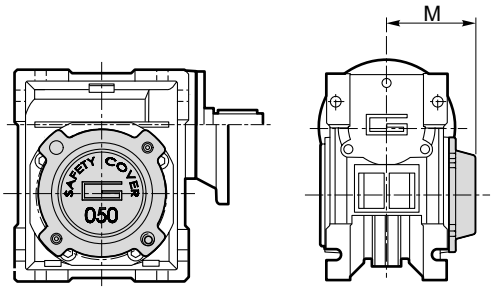
Torque arm

CM	CMP	K1	G	KG	KH	R
030	056/030	85	14	23	8	15
040	056/040 063/040	100	14	31	10	18
050	063/050 071/050	100	14	38	10	18
063	063/063 071/063 080/063	150	14	47.5	10	18
070	071/070 080/070 090/070	200	25	46.5	20	30
075	071/075 080/075 090/075	200	25	46.5	20	30
090	071/090 080/090 090/090	200	25	56.5	20	30
110	080/110 090/110	250	30	62	25	35
130	080/130 090/130	250	30	69	25	35



SC - *Safety Cover*

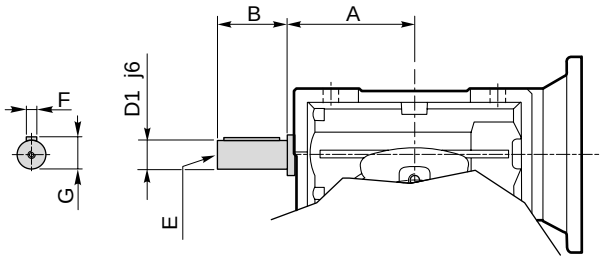
CM	CMP	M
030	056/030	47
040	056/040 063/040	54.5
050	063/050 071/050	62.5
063	063/063 071/063 080/063	73
070	071/070 080/070 090/070	75
075	071/075 080/075 090/075	79
090	071/090 080/090 090/090	94
110	080/110 090/110	102
130	080/130 090/130	117



Opzioni *Options*

VS - Vite sporgente / *Extended input shaft*

CM	CMP	A	B	D_1 j6	E	F	G
030	056/030	45	20	9	M4	3	10.2
040	056/040 063/040	53	23	11	M5	4	12.5
050	063/050 071/050	64	30	14	M6	5	16
063	063/063 071/063 080/063	75	40	19	M6	6	21.5
070	071/070 080/070 090/070	84	40	19	M6	6	21.5
075	071/075 080/075 090/075	90	50	24	M8	8	27
090	071/090 080/090 090/090	108	50	24	M8	8	27
110	080/110 090/110	135	60	28	M10	8	31
130	080/130 090/130	—	—	—	—	—	—



Costruito su richiesta
Built on request

TRANSTECNO®
the modular gearmotor

CMM

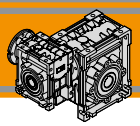
CMM

CMM Alù

Motoriduttori combinati a vite senza fine
Double reduction wormgearmotors



TRANSTECNO · GENUINE · PRODUCTS ·



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Caratteristiche tecniche — *Technical features*

I motoriduttori combinati a vite senza fine della serie CMM hanno le seguenti caratteristiche principali :

- Carcassa in alluminio nelle grandezze 026, 030, 040, 050, 063, 070, 075, 090 e 110. La grandezza 130 è costruita con carcassa in ghisa;
- Le grandezze 090, 110 e 130 sono fornite con cuscinetti a rulli conici sulla vite;
- Lubrificazione permanente con olio sintetico.

CMM range combination gearmotors have the following main features:

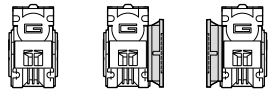
- Die-cast aluminum housing on sizes 026, 030, 040, 050, 063, 070, 075, 090 and 110. Cast iron housing on size 130;
- Double taper roller bearing on sizes 090, 110 and 130;
- Permanent synthetic oil long-life lubrication.

Designazione — *Classification*

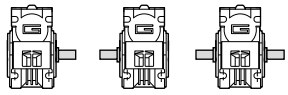
RIDUTTORE / *GEARBOX*

CMM	030/063	FD	20	71	B5	SZDX	BRSX	90	M1	US1	VS
Tipo *Type*	Grandezza *Size*	Versione *Version*	Rapporto *Ratio*	IEC	Forma costruttiva Version	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*	Pos. di montaggio Mounting position	*Esecuzione di montaggio Mounting execution*	Opzioni *Options*
CMM  **CMMIS** 	**026/026** **026/030** **026/040** **026/050** **030/040** **030/050** **030/063** **040/070** **040/075** **040/090** **050/110** **063/130**	**U** **FD** **FS** **FBD** **FBS** **FLD** **FLS**	vedi tabelle-*see tables*	**56..** **—** **90..**	**B5** **B14**	**SZDX** **SZSX** **DZ**	**BRDX** **BRSX**	**0°** **90°** **180°** **270°**	**M1** (B3) **M2** (V6) **M3** (B8) **M4** (V5) **M6** (B6) **M5** (B7)	**UB1** **UB2** **US1** **US2** **UV1** **UV2** **UC1** **UC2**	**VS1** **VS2**

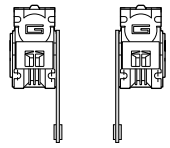
Versione Riduttore *Gearbox Version*



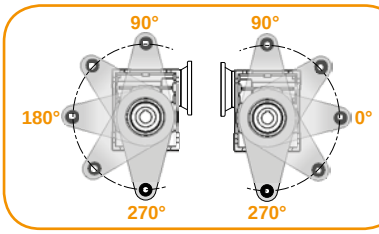
Albero di uscita *Output shaft*



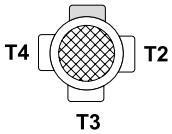
Braccio di reazione *Torque arm*



Angolo *Angle*



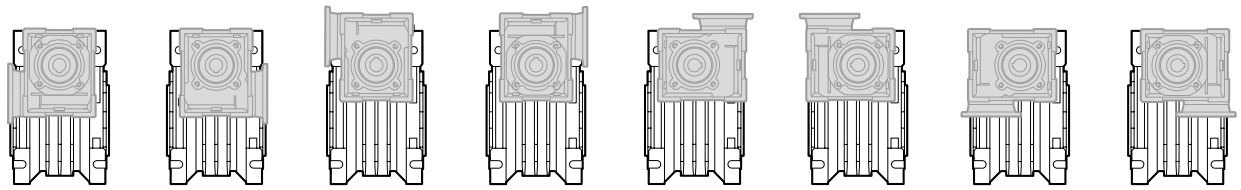
MOTORE CM / *CM MOTOR*

0.25kW	4p	3ph	230/400V	50Hz	T1
Potenza *Power*  Vedi tabelle *See tables*	Poli *Poles*	Fasi *Phases*	Tensione *Voltage*	Frequenza *Frequency*	Pos. morsettiera *Terminal box pos.*
	2p **4p** **6p** **8p**	**1ph** **3ph**	**230V** **230/400V**	**50Hz** **60Hz**	**T1** (Std)  **T4** **T2** **T3**

Simbologia — *Symbols*

n_1	[min^{-1}]	Velocità in ingresso / *Input speed*	M_2	[Nm]	Coppia in uscita in funzione di P_1 / *Output torque referred to* P_1
n_2	[min^{-1}]	Velocità in uscita / *Output speed*	sf		Fattore di servizio / *Service factor*
i		Rapporto di riduzione / *Ratio*	R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
P_1	[kW]	Potenza in entrata / *Input power*	A_2	N]	Carico assiale ammissibile in uscita / *Permitted output axial load*

Esecuzioni di montaggio — *Mounting executions*



UB1 UB2 US1 US2 UV1 UV2 UC1 UC2

Combinazioni rapporti — *Combination ratio*

CMM 026/026 - CMM 026/030 - CMM 026/040 - CMM 026/050												
	i (i_1 x i_2)											
	150	**225**	**300**	**450**	**600**	**900**	**1200**	**1500**	**1800**	**2400**	**3000**	**3600**
i_1	10	15	10	15	20	30	40	50	60	60	60	60
i_2	15	15	30	30	30	30	30	30	30	40	50	60

CMM 030/040 - CMM 030/050 - CMM 030/063 - CMM 040/070 - CMM 040/075 - CMM 040/090 - CMM 050/110 - CMM 063/130															
	i (i_1 x i_2)														
	75	**100**	**150**	**200**	**250**	**300**	**400**	**500**	**600**	**750**	**900**	**1200**	**1500**	**1800**	**2400**	**3000**
i_1	7.5	10	10	10	10	10	10	10	20	25	30	40	50	60	60	60
i_2	10	10	15	20	25	30	40	50	30	30	30	30	30	30	40	50

Lubrificazione — *Lubrication*

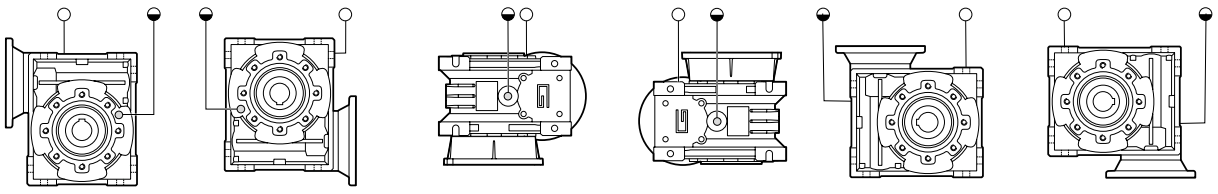
Tutti i motoriduttori nelle taglie 26, 30, 40, 50, 63, 70, 75, 90, 110 sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di monatggio e non necessitano di manutenzione. Per la taglia 130 la lubrificazione dipende dalla posizione di montaggio

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors size 26, 30, 40, 50, 63, 70, 75, 90, 110 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance. Only for size 130, the lubrication depended of mounting positions

Quantità di olio (litri) / ***Oil quantity*** *(litres)*						
	M1 (B3)	**M3** (B8)	**M6** (B6)	**M5** (B7)	**M4** (V5)	**M2** (V6)
CM130	4.5	3.3	3.5	3.5	4.5	3.3

Lubrificato a vita
Life lubrication

Posizioni di montaggio / *Mounting positions*



M1 (B3) **M3** (B8) **M6** (B6) **M5** (B7) **M4** (V5) **M2** (V6)

(standard)

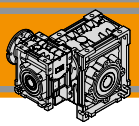
Sfiato e tappo di riempimento / *Breather and filling plug*
Livello olio / *Oil level plug*

Dati tecnici

Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.06						
56A4 (1400 min^{-1})	**9.3**	26	1.0	150	**CMM**	**B14**
	6.2	26	1.0	225	**026/026**	**B14**
	4.7	27	1.0	300		**B14**
	3.1	27	1.0	450		**B14**
	2.3	27	1.0	600		**B14**
	1.6	27	1.0	900		**B14**
	1.2	27	1.0	1200		**B14**
	0.9	27	1.0	1500		**B14**
	0.8	27	1.0	1800		**B14**
	0.6	22	1.0	2400		**B14**
	0.5	20	1.0	3000		**B14**
	0.4	18	1.0	3600		**B14**
	9.3	34	1.1	150	**CMM**	**B14**
	6.2	48	0.8	225	**026/030**	**B14**
	4.7	40	1.0	300		**B14**
	3.1	40	1.0	450		**B14**
	2.3	40	1.0	600		**B14**
	1.6	40	1.0	900		**B14**
	1.2	40	1.0	1200		**B14**
	0.93	40	1.0	1500		**B14**
	0.78	40	1.0	1800		**B14**
	0.58	34	1.0	2400		**B14**
	0.47	30	1.0	3000		**B14**
	0.39	27	1.0	3600		**B14**
	9.3	35	2.5	150	**CMM**	**B14**
	6.2	50	1.8	225	**026/040**	**B14**
	4.7	58	1.5	300		**B14**
	3.1	82	1.1	450		**B14**
	2.3	104	0.9	600		**B14**
	1.6	90	1.0	900		**B14**
	1.2	90	1.0	1200		**B14**
	0.93	90	1.0	1500		**B14**
	0.78	90	1.0	1800		**B14**
	0.58	74	1.0	2400		**B14**
	0.47	68	1.0	3000		**B14**
	0.39	62	1.0	3600		**B14**
	9.3	37	4.4	150	**CMM**	**B14**
	6.2	52	3.1	225	**026/050**	**B14**
	4.7	59	2.7	300		**B14**
	3.1	83	1.9	450		**B14**
	2.3	105	1.5	600		**B14**
	1.6	141	1.1	900		**B14**
	1.2	162	1.0	1200		**B14**
	0.93	162	1.0	1500		**B14**
	0.78	162	1.0	1800		**B14**
	0.58	135	1.0	2400		**B14**
	0.47	125	1.0	3000		**B14**
	0.39	113	1.0	3600		**B14**
	18.7	20	4.3	75	**CMM**	**B5/B14**
	14.0	26	3.3	100	**030/040**	**B5/B14**
	9.3	36	2.4	150		**B5/B14**
	7.0	46	1.6	200		**B5/B14**
	5.6	55	1.2	250		**B5/B14**
	4.7	59	1.5	300		**B5/B14**
	3.5	72	1.0	400		**B5/B14**
	2.8	68	1.0	500		**B5/B14**
	2.3	90	1.0	600		**B5/B14**
	1.9	90	1.0	750		**B5/B14**
	1.6	90	1.0	900		**B5/B14**
	1.2	74	1.0	1200		**B5/B14**
	0.93	90	1.0	1500		**B5/B14**
	0.78	90	1.0	1800		**B5/B14**
	0.58	74	1.0	2400		**B5/B14**
	0.47	68	1.0	3000		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.06						
56A4 (1400 min^{-1})	**18.7**	20	7.8	75	**CMM**	**B5/B14**
	14.0	26	5.9	100	**030/050**	**B5/B14**
	9.3	37	4.3	150		**B5/B14**
	7.0	47	2.9	200		**B5/B14**
	5.6	55	2.2	250		**B5/B14**
	4.7	60	2.7	300		**B5/B14**
	3.5	73	1.9	400		**B5/B14**
	2.8	83	1.5	500		**B5/B14**
	2.3	107	1.5	600		**B5/B14**
	1.9	128	1.3	750		**B5/B14**
	1.6	143	1.1	900		**B5/B14**
	1.2	174	0.8	1200		**B5/B14**
	0.93	207	0.8	1500		**B5/B14**
	0.78	162	1.0	1800		**B5/B14**
	0.58	135	1.0	2400		**B5/B14**
	0.47	125	1.0	3000		**B5/B14**
	2.8	86	2.7	500	**CMM**	**B5/B14**
	2.3	111	2.8	600	**030/063**	**B5/B14**
	1.9	133	2.3	750		**B5/B14**
	1.6	148	2.1	900		**B5/B14**
	1.2	178	1.5	1200		**B5/B14**
	0.93	214	1.5	1500		**B5/B14**
	0.78	243	1.3	1800		**B5/B14**
	0.58	292	0.9	2400		**B5/B14**
	0.47	338	0.7	3000		**B5/B14**
	0.93	221	2.0	1500	**CMM**	**B5/B14**
	0.78	256	1.8	1800	**040/070**	**B5/B14**
	0.58	308	1.2	2400		**B5/B14**
	0.47	356	0.9	3000		**B5/B14**
	0.93	221	2.5	1500	**CMM**	**B5/B14**
	0.78	256	2.1	1800	**040/075**	**B5/B14**
	0.58	313	1.5	2400		**B5/B14**
	0.47	356	1.1	3000		**B5/B14**
	0.58	330	2.5	2400	**CMM**	**B5/B14**
	0.47	385	1.8	3000	**040/090**	**B5/B14**
0.09						
56B4 (1400 min^{-1})	**9.3**	53	1.6	150	**CMM**	**B14**
	6.2	74	1.2	225	**026/040**	**B14**
	4.7	87	1.0	300		
	9.3	55	2.9	150	**CMM**	**B14**
	6.2	78	2.1	225	**026/050**	**B14**
	4.7	89	1.8	300		
	3.1	125	1.3	450		
	2.3	158	1.0	600		
	18.7	29	2.9	75	**CMM**	**B5/B14**
	14.0	39	2.2	100	**030/040**	**B5/B14**
	9.3	53	1.6	150		**B5/B14**
	7.0	69	1.1	200		**B5/B14**
	5.6	83	0.8	250		**B5/B14**
	4.7	88	1.0	300		**B5/B14**
	18.7	30	5.2	75	**CMM**	**B5/B14**
	14.0	39	4.0	100	**030/050**	**B5/B14**
	9.3	56	2.9	150		**B5/B14**
	7.0	70	2.0	200		**B5/B14**
	5.6	83	1.5	250		**B5/B14**
	4.7	90	1.8	300		**B5/B14**
	3.5	109	1.2	400		**B5/B14**
	2.8	124	1.0	500		**B5/B14**
	2.3	160	1.0	600		**B5/B14**
	1.9	192	0.8	750		**B5/B14**
	1.6	215	0.8	900		**B5/B14**



Dati tecnici

Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.09						
56B4 (1400 min^{-1})	**7.0**	69	3.8	200	**CMM**	**B5/B14**
	5.6	81	2.8	250	**030/063**	**B5/B14**
	4.7	93	3.3	300		**B5/B14**
	3.5	111	2.3	400		**B5/B14**
	2.8	129	1.8	500		**B5/B14**
	2.3	166	1.9	600		**B5/B14**
	1.9	199	1.6	750		**B5/B14**
	1.6	222	1.4	900		**B5/B14**
	1.2	267	1.0	1200		**B5/B14**
	0.93	320	1.0	1500		**B5/B14**
	0.78	365	0.9	1800		**B5/B14**
	1.2	259	1.8	1200	**CMM**	**B5/B14**
	0.93	332	1.4	1500	**040/070**	**B5/B14**
	0.78	385	1.2	1800		**B5/B14**
	0.58	461	0.8	2400		**B5/B14**
	0.47	336	1.0	3000		**B5/B14**
	0.93	332	1.6	1500	**CMM**	**B5/B14**
	0.78	385	1.4	1800	**040/075**	**B5/B14**
	0.58	470	1.0	2400		**B5/B14**
	0.47	403	1.0	3000		**B5/B14**
	0.8	404	2.3	1800	**CMM**	**B5/B14**
	0.58	496	1.6	2400	**040/090**	**B5/B14**
	0.47	577	1.2	3000		**B5/B14**
0.12						
63A4 (1400 min^{-1})	**18.7**	39	2.1	75	**CMM**	**B5/B14**
	14.0	52	1.6	100	**030/040**	**B5/B14**
	9.3	71	1.2	150		**B5/B14**
	7.0	92	0.8	200		**B5/B14**
	5.6	67	1.0	250		**B5/B14**
	4.7	118	0.8	300		**B5/B14**
	18.7	40	3.9	75	**CMM**	**B5/B14**
	14.0	52	3.0	100	**030/050**	**B5/B14**
	9.3	74	2.2	150		**B5/B14**
	7.0	94	1.5	200		**B5/B14**
	5.6	110	1.1	250		**B5/B14**
	4.7	120	1.4	300		**B5/B14**
	3.5	146	0.9	400		**B5/B14**
	2.8	165	0.8	500		**B5/B14**
	2.3	214	0.8	600		**B5/B14**
	18.7	40	7.1	75	**CMM**	**B5/B14**
	14.0	53	5.4	100	**030/063**	**B5/B14**
	9.3	73	4.1	150		**B5/B14**
	7.0	92	2.8	200		**B5/B14**
	5.6	108	2.1	250		**B5/B14**
	4.7	124	2.5	300		**B5/B14**
	3.5	149	1.8	400		**B5/B14**
	2.8	172	1.3	500		**B5/B14**
	2.3	221	1.4	600		**B5/B14**
	1.9	265	1.2	750		**B5/B14**
	1.6	296	1.0	900		**B5/B14**
	1.2	260	1.0	1200		**B5/B14**
	0.93	310	1.0	1500		**B5/B14**
	3.5	149	2.6	400	**CMM**	**B5/B14**
	2.8	172	2.0	500	**040/070**	**B5/B14**
	2.3	230	2.0	600		**B5/B14**
	1.9	273	1.7	750		**B5/B14**
	1.6	309	1.5	900		**B5/B14**
	1.2	371	1.0	1200		**B5/B14**
	0.93	442	1.0	1500		**B5/B14**
	0.78	513	0.9	1800		**B5/B14**

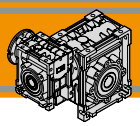
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.12						
63A4 (1400 min^{-1})	**2.8**	172	2.3	500	**CMM**	**B5/B14**
	2.3	230	2.4	600	**040/075**	**B5/B14**
	1.9	273	2.0	750		**B5/B14**
	1.6	309	1.8	900		**B5/B14**
	1.2	378	1.2	1200		**B5/B14**
	0.93	442	1.2	1500		**B5/B14**
	0.78	513	1.1	1800		**B5/B14**
	1.9	286	3.3	750	**CMM**	**B5/B14**
	1.6	325	2.9	900	**040/090**	**B5/B14**
	1.2	399	2.0	1200		**B5/B14**
	0.9	464	2.0	1500		**B5/B14**
	0.8	538	1.8	1800		**B5/B14**
	0.58	661	1.2	2400		**B5/B14**
	0.47	769	0.9	3000		**B5/B14**
	0.9	495	3.2	1500	**CMM**	**B5/B14**
	0.8	566	2.8	1800	**050/110**	**B5/B14**
	0.6	719	2.0	2400		**B5/B14**
	0.5	855	1.5	3000		**B5/B14**
0.18						
63B4 (1400 min^{-1})	**18.7**	59	1.4	75	**CMM**	**B5/B14**
	14.0	77	1.1	100	**030/040**	**B5/B14**
	9.3	107	0.8	150		**B5/B14**
	18.7	59	2.6	75	**CMM**	**B5/B14**
	14.0	78	2.0	100	**030/050**	**B5/B14**
	9.3	111	1.4	150		**B5/B14**
	7.0	140	1.0	200		**B5/B14**
	5.6	165	0.7	250		**B5/B14**
	4.7	179	0.9	300		**B5/B14**
	18.7	60	4.8	75	**CMM**	**B5/B14**
	14.0	79	3.6	100	**030/063**	**B5/B14**
	9.3	110	2.8	150		**B5/B14**
	7.0	138	1.9	200		**B5/B14**
	5.6	162	1.4	250		**B5/B14**
	4.7	186	1.7	300		**B5/B14**
	3.5	223	1.2	400		**B5/B14**
	2.8	258	0.9	500		**B5/B14**
	2.3	332	0.9	600		**B5/B14**
	1.9	398	0.8	750		**B5/B14**
	7.0	140	2.8	200	**CMM**	**B5/B14**
	5.6	168	2.0	250	**040/070**	**B5/B14**
	4.7	186	2.4	300		**B5/B14**
	3.5	223	1.7	400		**B5/B14**
	2.8	258	1.3	500		**B5/B14**
	2.3	345	1.3	600		**B5/B14**
	1.9	409	1.1	750		**B5/B14**
	1.6	464	1.0	900		**B5/B14**
	5.6	168	2.4	250	**CMM**	**B5/B14**
	4.7	186	2.9	300	**040/075**	**B5/B14**
	3.5	227	2.1	400		**B5/B14**
	2.8	258	1.6	500		**B5/B14**
	2.3	345	1.6	600		**B5/B14**
	1.9	409	1.3	750		**B5/B14**
	1.6	464	1.2	900		**B5/B14**
	1.2	567	1.0	1200		**B5/B14**
	2.8	278	2.5	500	**CMM**	**B5/B14**
	2.3	362	2.6	600	**040/090**	**B5/B14**
	1.9	429	2.2	750		**B5/B14**
	1.6	487	1.9	900		**B5/B14**

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Technical data

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.18						
63B4 (1400 min^{-1})	**1.2**	598	1.4	1200	**CMM 040/090**	**B5/B14**
	0.9	696	1.4	1500		**B5/B14**
	0.8	808	1.2	1800		**B5/B14**
	0.6	991	0.8	2400		**B5/B14**
	1.2	647	2.2	1200	**CMM 050/110**	**B5/B14**
	0.9	743	2.1	1500		**B5/B14**
	0.8	849	1.9	1800		**B5/B14**
	0.6	1079	1.3	2400		**B5/B14**
	0.5	1282	1.0	3000		**B5/B14**
0.22						
63C4 (1400 min^{-1})	**18.7**	72	1.2	75	**CMM 030/040**	**B5/B14**
	14.0	95	0.9	100		**B5/B14**
	18.7	73	2.1	75	**CMM 030/050**	**B5/B14**
	14.0	96	1.6	100		**B5/B14**
	9.3	136	1.2	150		**B5/B14**
	7.0	171	0.8	200		**B5/B14**
	18.7	74	3.9	75	**CMM 030/063**	**B5/B14**
	14.0	97	3.0	100		**B5/B14**
	9.3	134	2.3	150		**B5/B14**
	7.0	169	1.5	200		**B5/B14**
	5.6	199	1.2	250		**B5/B14**
	4.7	227	1.4	300		**B5/B14**
	3.5	272	1.0	400		**B5/B14**
	2.8	315	0.7	500		**B5/B14**
	2.3	405	0.8	600		**B5/B14**
	7.0	171	2.3	200	**CMM 040/070**	**B5/B14**
	5.6	205	1.7	250		**B5/B14**
	4.7	227	2.0	300		**B5/B14**
	3.5	272	1.4	400		**B5/B14**
	2.8	315	1.1	500		**B5/B14**
	2.3	421	1.1	600		**B5/B14**
	1.9	500	0.9	750		**B5/B14**
	1.6	567	0.8	900		**B5/B14**
	5.6	205	2.0	250	**CMM 040/075**	**B5/B14**
	4.7	227	2.4	300		**B5/B14**
	3.5	277	1.7	400		**B5/B14**
	2.8	315	1.3	500		**B5/B14**
	2.3	421	1.3	600		**B5/B14**
	1.9	500	1.1	750		**B5/B14**
	1.6	567	1.0	900		**B5/B14**
	3.5	292	2.4	400	**CMM 040/090**	**B5/B14**
	2.8	340	2.0	500		**B5/B14**
	2.3	442	2.1	600		**B5/B14**
	1.9	525	1.8	750		**B5/B14**
	1.6	596	1.6	900		**B5/B14**
	1.2	731	1.1	1200		**B5/B14**
	0.9	851	1.1	1500		**B5/B14**
	0.8	987	1.0	1800		**B5/B14**
	1.56	622	2.6	900	**CMM 050/110**	**B5/B14**
	1.2	791	1.8	1200		**B5/B14**
	0.9	908	1.8	1500		**B5/B14**
	0.8	1037	1.5	1800		**B5/B14**
	0.6	1318	1.1	2400		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.25						
71A4 (1400 min^{-1})	**18.7**	86	4.9	75	**CMM 040/070**	**B5/B14**
	14.0	112	3.7	100		**B5/B14**
	9.3	155	2.8	150		**B5/B14**
	7.0	195	2.0	200		**B5/B14**
	5.6	233	1.5	250		**B5/B14**
	4.7	258	1.8	300		**B5/B14**
	3.5	309	1.2	400		**B5/B14**
	2.8	358	0.9	500		**B5/B14**
	2.3	479	0.9	600		**B5/B14**
	1.9	568	0.8	750		**B5/B14**
	18.7	86	5.9	75	**CMM 040/075**	**B5/B14**
	14.0	112	4.5	100		**B5/B14**
	9.3	157	3.4	150		**B5/B14**
	7.0	198	2.4	200		**B5/B14**
	5.6	233	1.8	250		**B5/B14**
	4.7	258	2.1	300		**B5/B14**
	3.5	315	1.5	400		**B5/B14**
	2.8	358	1.1	500		**B5/B14**
	2.3	479	1.1	600		**B5/B14**
	1.9	568	1.0	750		**B5/B14**
	1.6	645	0.8	900		**B5/B14**
	5.6	247	2.9	250	**CMM 040/090**	**B5/B14**
	4.7	271	3.5	300		**B5/B14**
	3.5	332	2.4	400		**B5/B14**
	2.8	387	1.8	500		**B5/B14**
	2.3	503	1.9	600		**B5/B14**
	1.9	596	1.6	750		**B5/B14**
	1.6	677	1.4	900		**B5/B14**
	1.2	831	1.0	1200		**B5/B14**
	0.9	967	1.0	1500		**B5/B14**
	0.8	1160	0.8	1800		**B5/B14**
	2.8	420	3.0	500	**CMM 050/110**	**B5/B14**
	2.3	517	3.1	600		**B5/B14**
	1.9	622	2.6	750		**B5/B14**
	1.6	707	2.3	900		**B5/B14**
	1.2	899	1.6	1200		**B5/B14**
	0.9	1031	1.5	1500		**B5/B14**
	0.8	1179	1.4	1800		**B5/B14**
	0.6	1498	1.0	2400		**B5/B14**
	1.2	967	1.9	1200	**CMM 063/130**	**B5/B14**
	0.9	1114	1.9	1500		**B5/B14**
	0.8	1276	1.6	1800		**B5/B14**
	0.6	1624	1.1	2400		**B5/B14**
	0.5	1966	0.8	3000		**B5/B14**
0.37						
71B4 (1400 min^{-1})	**18.7**	127	3.3	75	**CMM 040/070**	**B5/B14**
	14.0	165	2.5	100		**B5/B14**
	9.3	229	1.9	150		**B5/B14**
	7.0	288	1.4	200		**B5/B14**
	5.6	345	1.0	250		**B5/B14**
	4.7	382	1.2	300		**B5/B14**
	3.5	458	0.8	400		**B5/B14**
	18.7	127	4.0	75	**CMM 040/075**	**B5/B14**
	14.0	165	3.0	100		**B5/B14**
	9.3	232	2.3	150		**B5/B14**
	7.0	293	1.6	200		**B5/B14**
	5.6	345	1.2	250		**B5/B14**
	4.7	382	1.4	300		**B5/B14**
	3.5	466	1.0	400		**B5/B14**



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Technical data

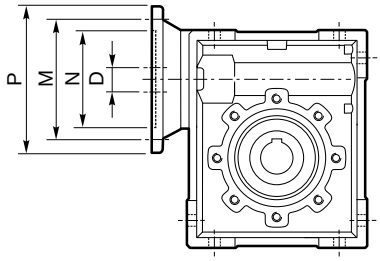
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4 (1400 min^{-1})	**7.0**	305	2.6	200	**CMM**	**B5/B14**
	5.6	366	1.9	250	**040/090**	**B5/B14**
	4.7	401	2.4	300		**B5/B14**
	3.5	492	1.7	400		**B5/B14**
	2.8	572	1.2	500		**B5/B14**
	2.3	744	1.3	600		**B5/B14**
	1.9	882	1.1	750		**B5/B14**
	1.6	1002	0.9	900		**B5/B14**
	5.6	386	3.3	250	**CMM**	**B5/B14**
	4.7	412	3.9	300	**050/110**	**B5/B14**
	3.5	523	2.8	400		**B5/B14**
	2.8	622	2.0	500		**B5/B14**
	2.3	766	2.1	600		**B5/B14**
	1.9	921	1.7	750		**B5/B14**
	1.6	1047	1.5	900		**B5/B14**
	1.2	1330	1.1	1200		**B5/B14**
	0.9	1526	1.0	1500		**B5/B14**
	0.8	1745	0.9	1800		**B5/B14**
	1.6	1124	1.8	900	**CMM**	**B5/B14**
	1.2	1431	1.3	1200	**063/130**	**B5/B14**
	0.9	1649	1.3	1500		**B5/B14**
	0.8	1889	1.1	1800		**B5/B14**
	0.6	2404	0.8	2400		**B5/B14**
0.55						
71C4 (1400 min^{-1})	**18.7**	189	2.2	75	**CMM**	**B5/B14**
	14.0	246	1.7	100	**040/070**	**B5/B14**
	9.3	340	1.3	150		**B5/B14**
	7.0	429	0.9	200		**B5/B14**
	5.6	512	0.7	250		**B5/B14**
	4.7	567	0.8	300		**B5/B14**
	18.7	189	2.7	75	**CMM**	**B5/B14**
	14.0	246	2.0	100	**040/075**	**B5/B14**
	9.3	345	1.5	150		**B5/B14**
	7.0	435	1.1	200		**B5/B14**
	5.6	512	0.8	250		**B5/B14**
	4.7	567	1.0	300		**B5/B14**
	9.3	355	2.5	150	**CMM**	**B5/B14**
	7.0	454	1.8	200	**040/090**	**B5/B14**
	5.6	544	1.3	250		**B5/B14**
	4.7	596	1.6	300		**B5/B14**
	3.5	731	1.1	400		**B5/B14**
	2.8	851	0.8	500		**B5/B14**
	2.3	1106	0.9	600		**B5/B14**
	5.6	574	2.3	250	**CMM**	**B5/B14**
	4.7	612	2.6	300	**050/110**	**B5/B14**
	3.5	778	1.9	400		**B5/B14**
	2.8	925	1.4	500		**B5/B14**
	2.3	1138	1.4	600		**B5/B14**
	1.9	1369	1.2	750		**B5/B14**
	1.6	1556	1.0	900		**B5/B14**
	2.8	984	1.6	500	**CMM**	**B5/B14**
	2.3	1203	1.7	600	**063/130**	**B5/B14**
	1.9	1449	1.4	750		**B5/B14**
	1.6	1671	1.2	900		**B5/B14**
	1.2	2127	0.9	1200		**B5/B14**
	0.9	2451	0.8	1500		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
80A4 (1400 min^{-1})	**18.7**	198	6.7	75	**CMM**	**B5/B14**
	14.0	258	5.2	100	**050/110**	**B5/B14**
	9.3	364	4.1	150		**B5/B14**
	7.0	472	3.0	200		**B5/B14**
	5.6	574	2.3	250		**B5/B14**
	4.7	612	2.6	300		**B5/B14**
	3.5	778	1.9	400		**B5/B14**
	2.8	925	1.4	500		**B5/B14**
	2.3	1138	1.4	600		**B5/B14**
	1.9	1369	1.2	750		**B5/B14**
	1.6	1556	1.0	900		**B5/B14**
	5.6	589	2.8	250	**CMM**	**B5/B14**
	4.7	639	3.2	300	**063/130**	**B5/B14**
	3.5	813	2.2	400		**B5/B14**
	2.8	984	1.6	500		**B5/B14**
	2.3	1203	1.7	600		**B5/B14**
	1.9	1449	1.4	750		**B5/B14**
	1.6	1671	1.2	900		**B5/B14**
	1.2	2127	0.9	1200		**B5/B14**
	0.9	2451	0.8	1500		**B5/B14**
0.75						
80B4 (1400 min^{-1})	**18.7**	270	4.9	75	**CMM**	**B5/B14**
	14.0	352	3.8	100	**050/110**	**B5/B14**
	9.3	496	3.0	150		**B5/B14**
	7.0	644	2.2	200		**B5/B14**
	5.6	783	1.7	250		**B5/B14**
	4.7	835	1.9	300		**B5/B14**
	3.5	1061	1.4	400		**B5/B14**
	2.8	1261	1.0	500		**B5/B14**
	2.3	1552	1.0	600		**B5/B14**
	1.9	1866	0.9	750		**B5/B14**
	7.0	660	2.7	200	**CMM**	**B5/B14**
	5.6	803	2.0	250	**063/130**	**B5/B14**
	4.7	871	2.4	300		**B5/B14**
	3.5	1109	1.6	400		**B5/B14**
	2.8	1342	1.2	500		**B5/B14**
	2.3	1641	1.3	600		**B5/B14**
	1.9	1975	1.0	750		**B5/B14**
	1.6	2279	0.9	900		**B5/B14**
1.1						
80C4 (1400 min^{-1})	**18.7**	397	3.4	75	**CMM**	**B5/B14**
	14.0	517	2.6	100	**050/110**	**B5/B14**
	9.3	727	2.0	150		**B5/B14**
	7.0	944	1.5	200		**B5/B14**
	5.6	1148	1.1	250		**B5/B14**
	4.7	1225	1.3	300		**B5/B14**
	3.5	1556	0.9	400		**B5/B14**
	7.0	968	1.9	200	**CMM**	**B5/B14**
	5.6	1178	1.4	250	**063/130**	**B5/B14**
	4.7	1278	1.6	300		**B5/B14**
	3.5	1626	1.1	400		**B5/B14**
	2.8	1968	0.8	500		**B5/B14**
	2.3	2407	0.9	600		**B5/B14**
90S4 (1400 min^{-1})	**18.7**	406	4.1	75	**CMM**	**B5/B14**
	14.0	529	3.2	100	**063/130**	**B5/B14**
	9.3	745	2.6	150		**B5/B14**
	7.0	968	1.9	200		**B5/B14**
	5.6	1178	1.4	250		**B5/B14**
	4.7	1278	1.6	300		**B5/B14**
	3.5	1626	1.1	400		**B5/B14**
	2.8	1968	0.8	500		**B5/B14**
	2.3	2407	0.9	600		**B5/B14**

Dati tecnici — *Technical data*

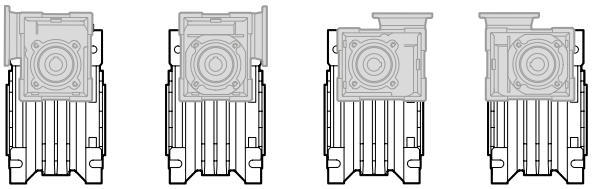
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
1.5						
90L4 (1400 min^{-1})	**18.7**	554	3.0	75	**CMM**	**B5/B14**
	14.0	722	2.3	100	**063/130**	**B5/B14**
	9.3	1016	1.9	150		**B5/B14**
	7.0	1320	1.4	200		**B5/B14**
	5.6	1606	1.0	250		**B5/B14**
	4.7	1742	1.2	300		**B5/B14**
	3.5	2218	0.8	400		**B5/B14**
1.85						
90LB4 (1400 min^{-1})	**18.7**	683	2.5	75	**CMM**	**B5/B14**
	14.0	890	1.9	100	**063/130**	**B5/B14**
	9.3	1254	1.5	150		**B5/B14**
	7.0	1628	1.1	200		**B5/B14**
	5.6	1981	0.8	250		**B5/B14**
	4.7	2149	1.0	300		**B5/B14**

Motori applicabili — *IEC Motor adapters*



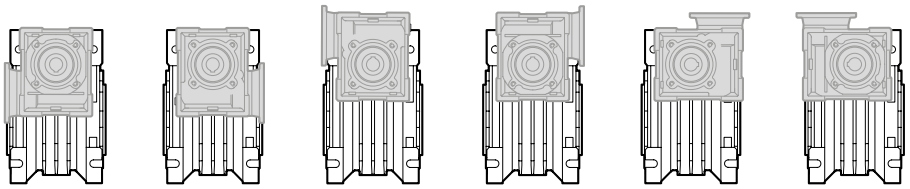
N.B.
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.
Grey areas indicate motor inputs available on each size of unit.

B/BS = Boccola di riduzione in acciaio
B/BS = Metal shaft sleeve



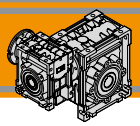
US1 **US2** **UV1** **UV2**

CMM	IEC	N	M	P	D	i_1						
						10	15	20	30	40	50	60
026/026	**56B14**	50	65	80	9							



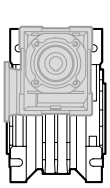
UB1 **UB2** **US1** **US2** **UV1** **UV2**

CMM	IEC	N	M	P	D	i_1						
						10	15	20	30	40	50	60
026/030 **026/040** **026/050**	**56B14**	50	65	80	9							

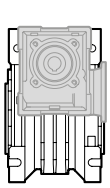


Motori applicabili

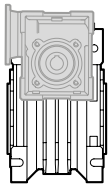
IEC Motor adapters



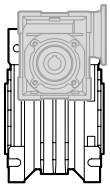
UB1



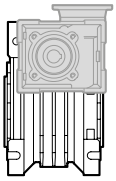
UB2



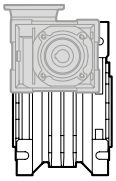
US1



US2

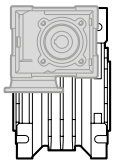


UV1

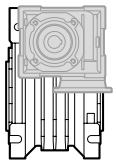


UV2

CMM	IEC	N	M	P	D	i_1								
						7.5	10	15	20	25	30	40	50	60
030/040 030/050 030/063	63B5	95	115	140	11									
	63B14	60	75	90										
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	
	56B14	50	65	80										
040/070 040/075 040/090	71B5	110	130	160	14									
	71B14	70	85	105										
	63B5	95	115	140	11	B	B	B	B	B	B	B		
	63B14	60	75	90										
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	B	B
	56B14	50	65	80										
050/110	80B5	130	165	200	19									
	80B14	80	100	120										
	71B5	110	130	160	14	B	B	B	B	B	B			
	71B14	70	85	105										
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	B	B	B
	63B14	60	75	90										
063/130	90B5	130	165	200	24									
	90B14	95	115	140										
	80B5	130	165	200	19	B	B	B	B	B	B			
	80B14	80	100	120										
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	B	B	B
	71B14	70	85	105										
	63B5	95	115	140	11							BS	BS	BS



UC1



UC2

CMM	IEC	N	M	P	D	i_1								
						7.5	10	15	20	25	30	40	50	60
030/040 030/050	63B14	60	75	90	11									
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	
	56B14	50	65	80										
030/063	63B5	95	115	140	11									
	63B14	60	75	90										
	56B5	80	100	120	9	B	B	B	B	B	B	B		
	56B14	50	65	80										
040/070 040/075 040/090	71B14	70	85	105	14									
	63B5	95	115	140	11	B	B	B	B	B	B			
	63B14	60	75	90										
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	B	B
	56B14	50	65	80										
050/110	80B14	80	100	120	19									
	71B5	110	130	160	14	B	B	B	B	B	B			
	71B14	70	85	105										
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	B	B	B
	63B14	60	75	90										
063/130	90B14	95	115	140	24									
	80B14	80	100	120	19	B	B	B	B	B	B			
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	B	B	B
	71B14	70	85	105										
	63B5	95	115	140	11							BS	BS	BS

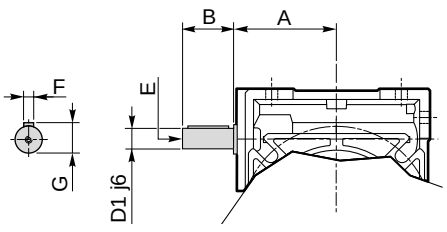
Dimensioni — *Dimensions*

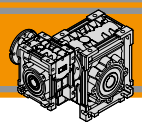
	CMM..U - CMM..F - CMM..FB - CMM..FL																
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
026/026	45	70	12	83	22	47.5	50	35	34	26	26	34	42	55	45	22.5	21
026/030	54	80	14	97	32	47.5	63	40	34	30	26	44	56	65	55	29	21
026/040	70	100	18	121.5	43	47.5	78	50	34	40	26	60	71	75	60	36.5	21
026/050	80	120	25	144	49	47.5	92	60	34	50	26	70	85	85	70	43.5	21

	CMM..U - CMM..F - CMM..FB - CMM..FL													
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
026/026	6	—	37	49	49	5	15	21	76	7	—	4	13.8	1.6
026/030	6.5	75	44	57	49	5.5	22	27	81	M6x10(n.4)	90°	5	16.3	2.4
026/040	6.5	87	55	71.5	49	6.5	26	35	91.5	M6x8(n.4)	45°	6	20.8	3.5
026/050	8.5	98	64	84	49	7	30	40	100.5	M8x10(n.4)	45°	8	28.3	5.0

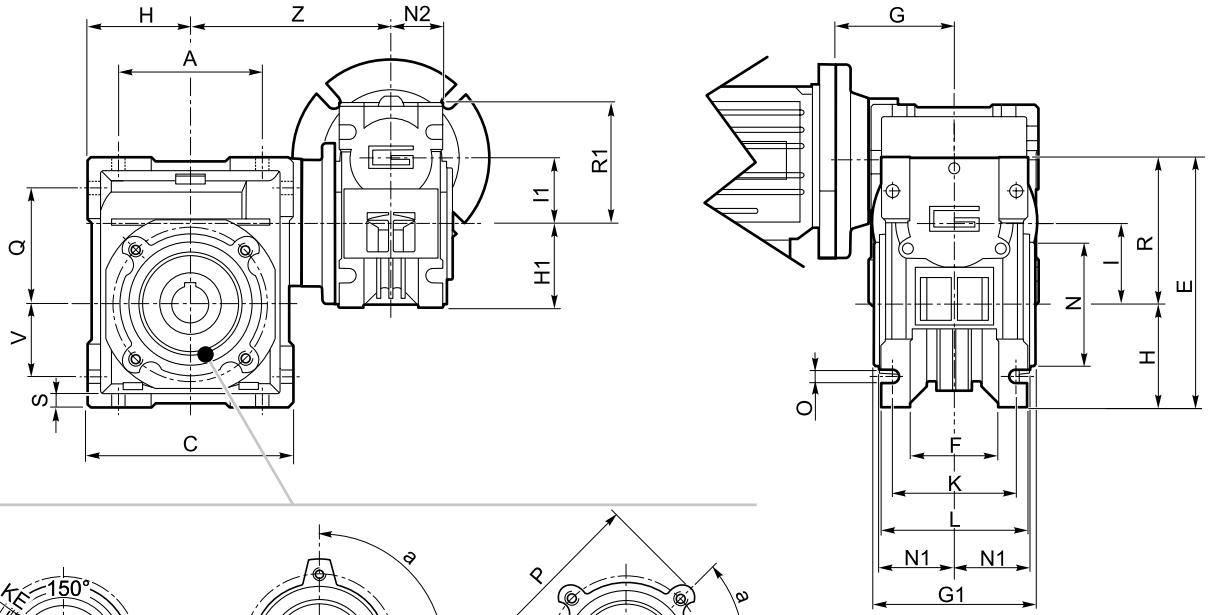
		CMM..F								CMM..FB								CMM..FL							
	a1	KA	KB	KC	KM	KN H8	KO	KP	KQ	KA	KB	KC	KM	KN H8	KO	KP	KQ	KA	KB	KC	KM	KN H8	KO	KP	KQ
026/026	45°	45	6	4.5	55-69	40	6.5(n.4)	75	70	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
026/030	45°	54.5	6	4	68	50	6.5(n.4)	80	70								—								
026/040	45°	67	7.5	4.5	80-95	60	9(n.4)	110	95	80	8.5	5	115-125	95	9.5(n.4)	140	112	97	7.5	4.5	80-95	60	9(n.4)	110	95
026/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	132	120	9	5	90-110	70	11(n.4)	125	110

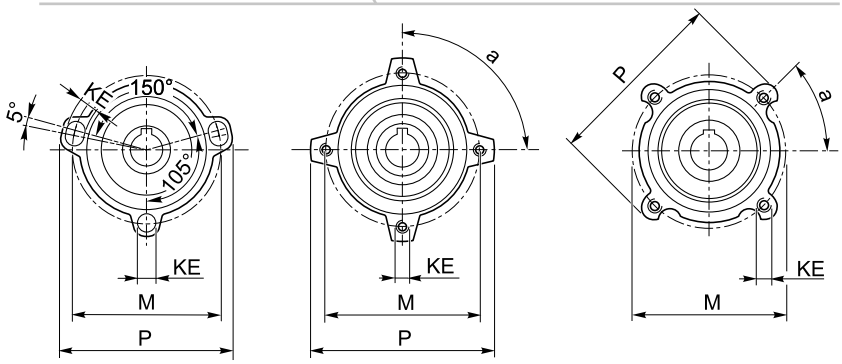
	CMMIS					
	A	B	D1 j6	E	F	M
026/026 026/030 026/040 026/050	45	20	9	M4	3	10.2



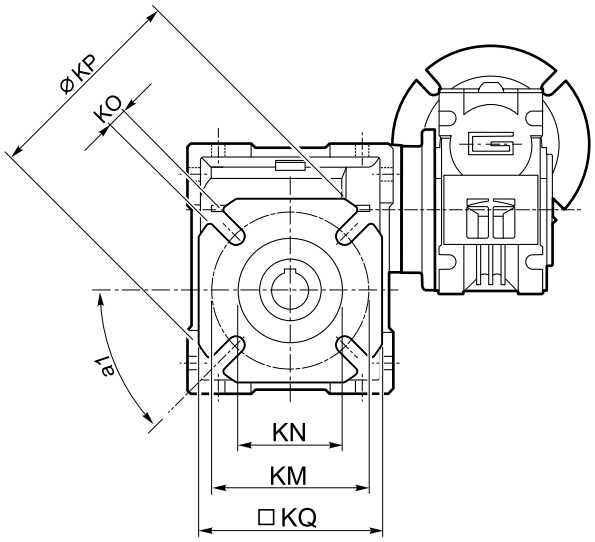


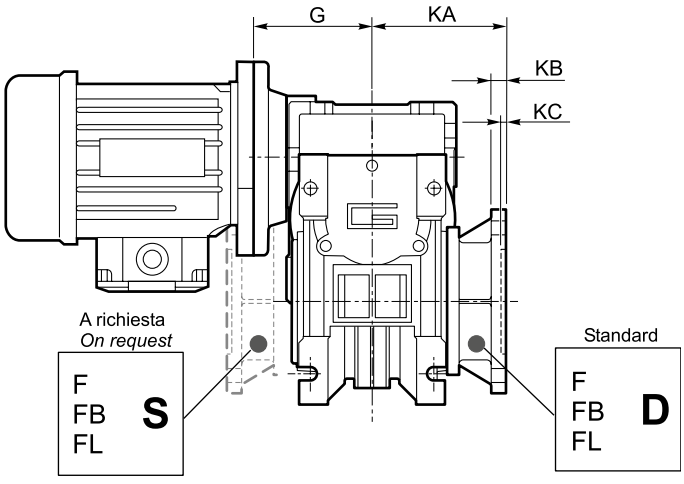
CMM026/..U

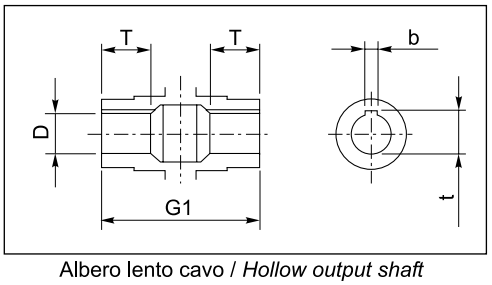




..026/026 **..026/030** **..026/040**
..026/050







Albero lento cavo / *Hollow output shaft*

CMM026/..F
CMM026/..FB
CMM026/..FL

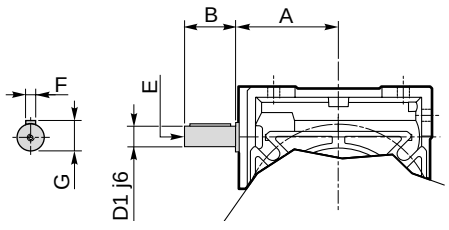
Dimensioni — *Dimensions*

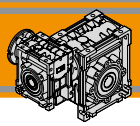
	CMM.. - CMM..F - CMM..FB - CMM..FL																
	A	C	D H8	E	F	G	G1	H	H1	I	I1	K	L	M	N h8	N1	N2
030/040	70	100	18	121.5	43	55	78	50	40	40	30	60	71	75	60	36.5	29
030/050	80	120	25	144	49	55	92	60	40	50	30	70	85	85	70	43.5	29
030/063	100	144	25	174	67	55	112	72	40	63	30	85	104	95	80	53	29
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	35.5
040/075	120	172	28	205	72	70	120	86	50	75	40	90	112	115	95	57	36.5
040/090	140	208	35	238	74	70	140	103	50	90	40	100	130	130	110	67	36.5
050/110	170	252.5	42	295	—	80	155	127.5	60	110	50	115	144	165	130	74	43.5
063/130	200	292.5	45	335	—	95	170	147.5	72	130	63	120	155	215	180	81	53

	CMM.. - CMM..F - CMM..FB - CMM..FL												
	O	P	Q	R	R1	S	T	V	Z	KE	a	b	t	Kg
030/040	6.5	87	55	71.5	57	6.5	26	35	122	M6x8(n.4)	45°	6	20.8 (21.8)	3.9
030/050	8.5	98	64	84	57	7	30	40	132	M8x14(n.4)	45°	8	28.3 (27.3)	5.0
030/063	8.5	110	80	102	57	8	36	50	145	M8x10(n.8)	45°	8	28.3	7.0
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10
040/075	11	140	93	119	71.5	10	40	60	165	M8x14(n.8)	45°	8	31.3	12.0
040/090	13	160	102	135	71.5	11	45	70	182	M10x18(n.8)	45°	10	38.3	15.6
050/110	14	200	125	167.5	84	14	50	85	225	M10x18(n.8)	45°	12	45.3	30.2
063/130	16	250	140	187.5	102	15	60	100	245	M12x21(n.8)	45°	14	48.8	55.0

		CMM..F								CMM..FB							CMM..FL							
	a1	KA	KB	KC	KM	KN H8	KO	KP	KQ	KA	KB	KC	KM	KN H8	KO	KP	KA	KB	KC	KM	KN H8	KO	KP	KQ
030/040	45°	67	7.5	4	80-95	60	9(n.4)	110	95	80	8.5	5	115-125	95	9.5(n.4)	140	97	7.5	4.5	80-95	60	9(n.4)	110	95
030/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	120	9	5	90-110	70	11(n.4)	125	110
030/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	112	10	6	150-160	115	11(n.4)	180	142
040/070	45°	107	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
040/075	45°	111	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
040/090	45°	111	13	6	175-190	152	14(n.4)	210	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
050/110	45°	131	15	6	230	170	14(n.8)	280	260	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
063/130	22.5°	140	15	6	255	180	16(n.8)	320	290	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

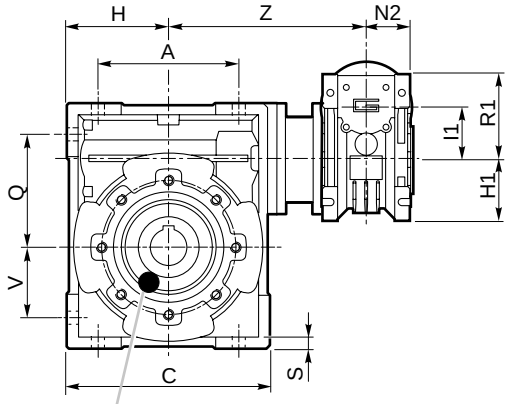
	CMMIS					
	A	B	D1 j6	E	F	M
030/040 030/050 030/063	51	20	9	M4	3	10.2
040/070 040/075 040/090	66	23	11	M5	4	12.5
050/110	76	30	14	M6	5	16
063/130	94.5	40	19	M6	6	21.5

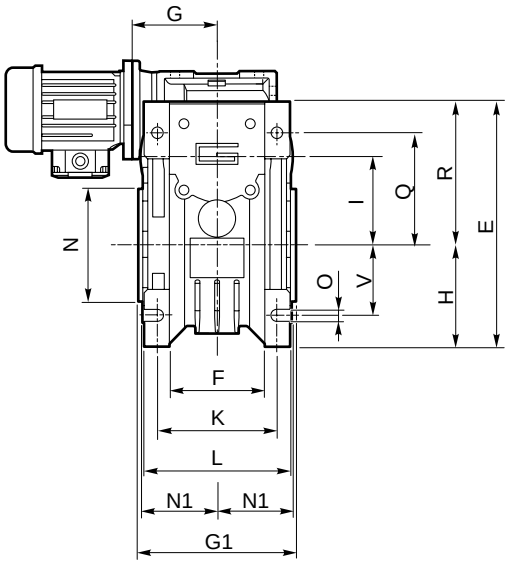


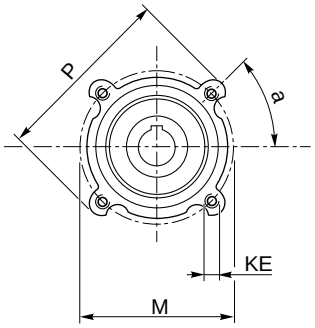


Dimensioni *Dimensions*

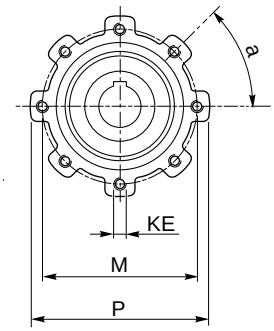
CMM..U



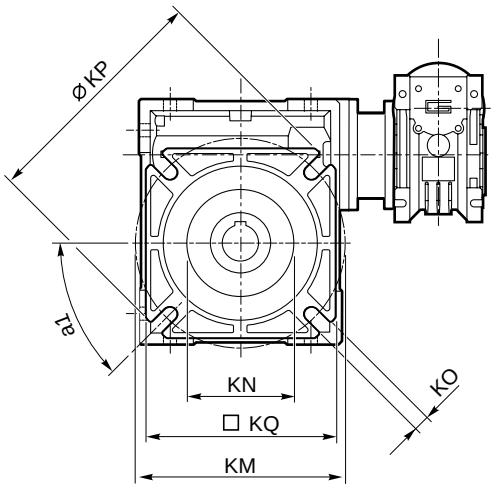


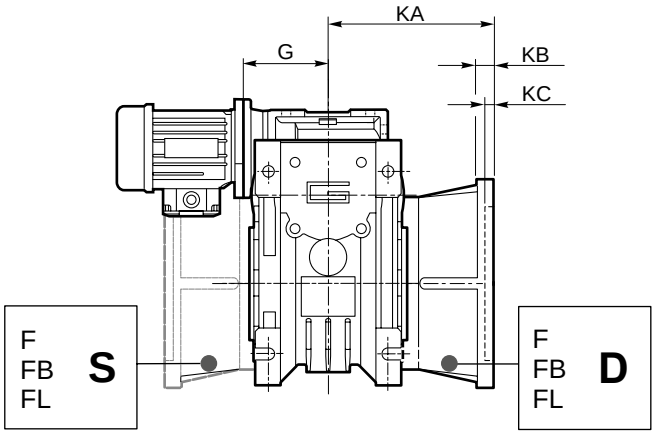


..030/040
..030/050



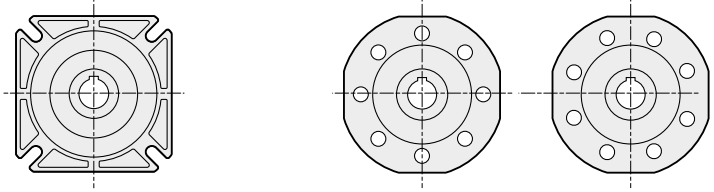
..030/063 ..040/070
..040/075 ..040/090
..050/110 ..063/130

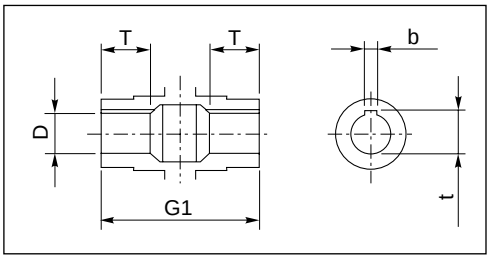




CMM..F (../030 - ../090)
CMM..FB (../040 - ../063)
CMM..FL (../040 - ../063)

CMM..F
(../110 ../130)





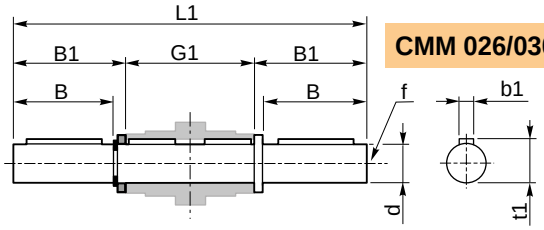
Albero lento cavo / *Hollow output shaft*

Accessori — *Accessories*

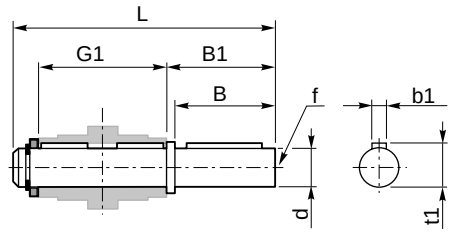
Albero lento semplice e doppio — *Single and double output shaft*

CMM 026/030 - CMM 063/130

DZ

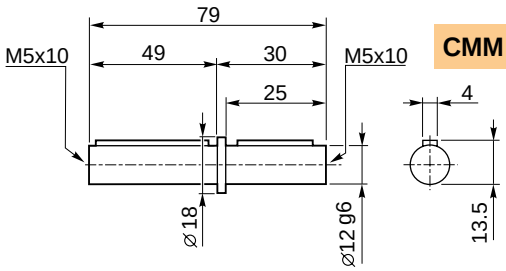


SZ



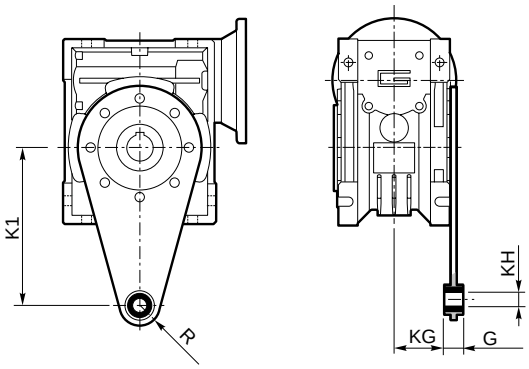
CMM	d h7	B	B1	G1	L	L1	f	b1	t1
026/030	14	30	32.5	63	102	128	M6	5	16
026/040 030/040	18	40	43	78	128	164	M6	6	20.5
026/050 030/050	25	50	53.5	92	153	199	M10	8	28
030/063	25	50	53.5	112	173	219	M10	8	28
040/070	28	60	63.5	120	192	247	M10	8	31
040/075	28	60	63.5	120	192	247	M10	8	31
040/090	35	80	84.5	140	234	309	M12	10	38
050/110	42	80	84.5	155	249	324	M16	12	45
063/130	45	80	85	170	265	340	M16	14	48.5

CMM 026/026



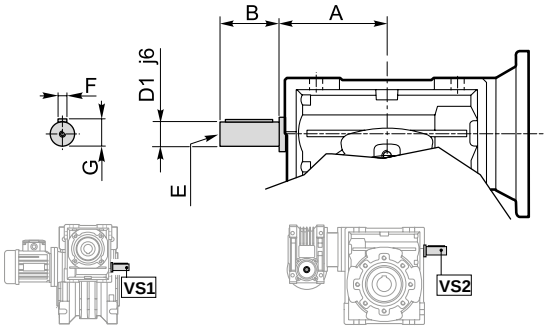
Braccio di reazione — *Torque arm*

CMM	K1	G	KG	KH	R
026/030	85	14	23	8	15
026/040 030/040	100	14	31	10	18
026/050 030/050	100	14	38	10	18
030/063	150	14	47.5	10	18
040/070	200	25	46.5	20	30
040/075	200	25	46.5	20	30
040/090	200	25	56.5	20	30
050/110	250	30	62	25	35
063/130	250	30	69	25	35



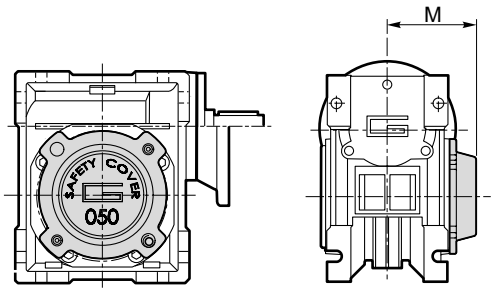
Opzioni — *Options*

VS1 - VS2 - Vite sporgente / *Extended input shaft*



CMM	VS1						VS2					
	A	B	D_1 j6	E	F	G	A	B	D_1 j6	E	F	G
026/030	—	—	—	—	—	—	45	20	9	M4	3	10.2
026/040	—	—	—	—	—	—	53	23	11	M5	4	12.5
026/050	—	—	—	—	—	—	64	30	14	M6	5	16
030/040	45	20	9	M4	3	10.2	53	23	11	M5	4	12.5
030/050	45	20	9	M4	3	10.2	64	30	14	M6	5	16
030/063	45	20	9	M4	3	10.2	75	40	19	M6	6	21.5
040/070	53	23	11	M5	4	12.5	84	40	19	M6	6	21.5
040/075	53	23	11	M5	4	12.5	90	50	24	M8	8	27
040/090	53	23	11	M5	4	12.5	108	50	24	M8	8	27
050/110	64	30	14	M6	5	16	135	60	28	M10	8	31
063/130	75	40	19	M6	6	21.5	—	—	—	—	—	—

SC - *Safety cover*



	CM								
	30	40	50	63	70	75	90	110	130
M	47	54.5	62.5	73	75	79	94	102	117

Costruito su richiesta
Built on request

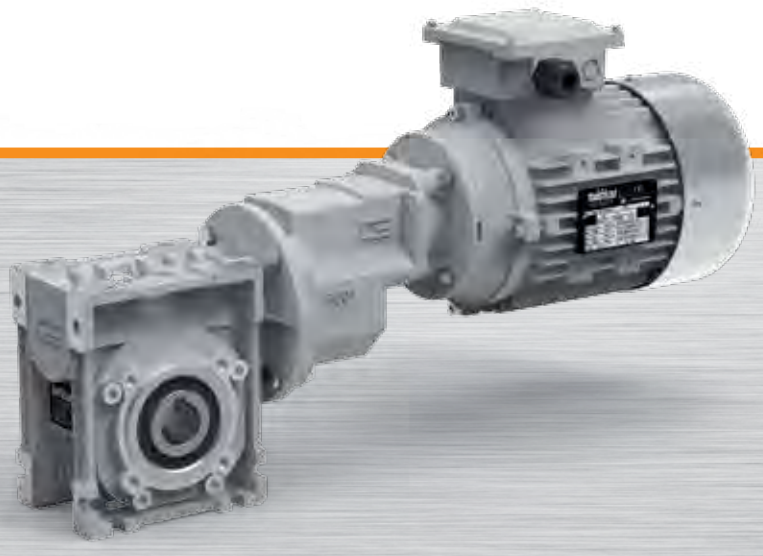
TRANSTECNO®
the modular gearmotor

CMPU

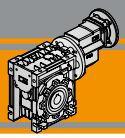
CMPU

CMPU Alù

Motoriduttori a vite senza fine con precoppia PU
PU pre-stage wormgearmotors



TRANSTECNO · GENUINE · PRODUCTS ·



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Caratteristiche tecniche

Technical features

L'elevata modularità contraddistingue i motoriduttori a vite senza fine della serie CMPU: i diversi kit entrata ed uscita li rendono estremamente versatili.
Le caratteristiche principali della serie CMPU sono:

- Carcassa in alluminio pressofuso
- Le grandezze 090 e 110 sono fornite con cuscinetti a rulli conici sulla vite
- Lubrificazione permanente con olio sintetico

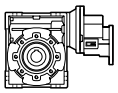
The high degree of modularity is a design feature of CMPU wormgearmotors range thanks to a wide selection of input and output kits. Main features of CMPU range are:

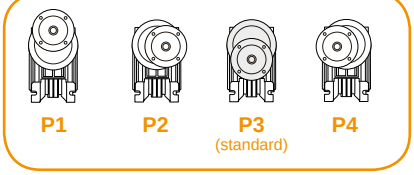
- *Die cast aluminium housing*
- *Double taper roller bearing on sizes 090 and 110*
- *Permanent synthetic oil long life lubrication*

Designazione

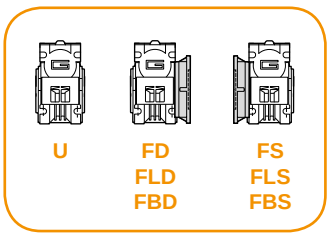
Classification

RIDUTTORE A VITE SENZA FINE CON PRECOPPIA / *PRE-STAGE WORMGEARBOX*

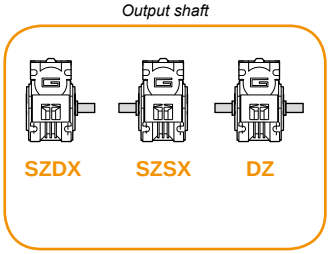
CMPU	01/050	U	57	71	B14	SZDX	BRSX	90	P4	M1	VS
Tipo *Type*	Grandezza *Size*	Versione riduttore *Gearbox Version*	Rapporto *Ratio*	IEC	Forma costruttiva *Version*	Albero di uscita *Output shaft*	Braccio di reazione *Torque arm*	Angolo *Angle*	*Pos. di montaggio precoppia Pre stage mounting position*	Pos. di montaggio Mounting position	Opzioni *Options*
CMPU 	**01/050** **01/063** **01/070** **01/075** **01/090**	**U** **FD** **FS** **FLD** **FLS** **FBD** **FBS**	Vedere tabella *See tables*	**63** **71** **80**	**B5** **B14**	**SZDX** **SZSX** **DZ**	**BRDX** **BRSX**	**0°** **90°** **180°** **270°**	**P1** **P2** **P3** (standard) **P4**	**M1** (B3) **M2** (V6) **M3** (B8) **M4** (V5) **M6** (B6) **M5** (B7)	**VS**



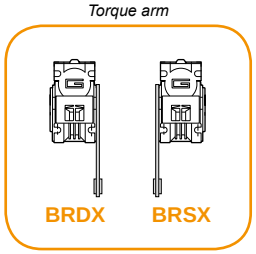
Versione Riduttore
Gearbox Version



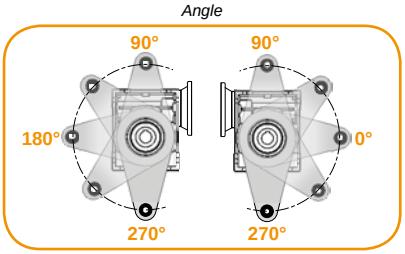
Albero di uscita
Output shaft



Braccio di reazione
Torque arm



Angolo
Angle



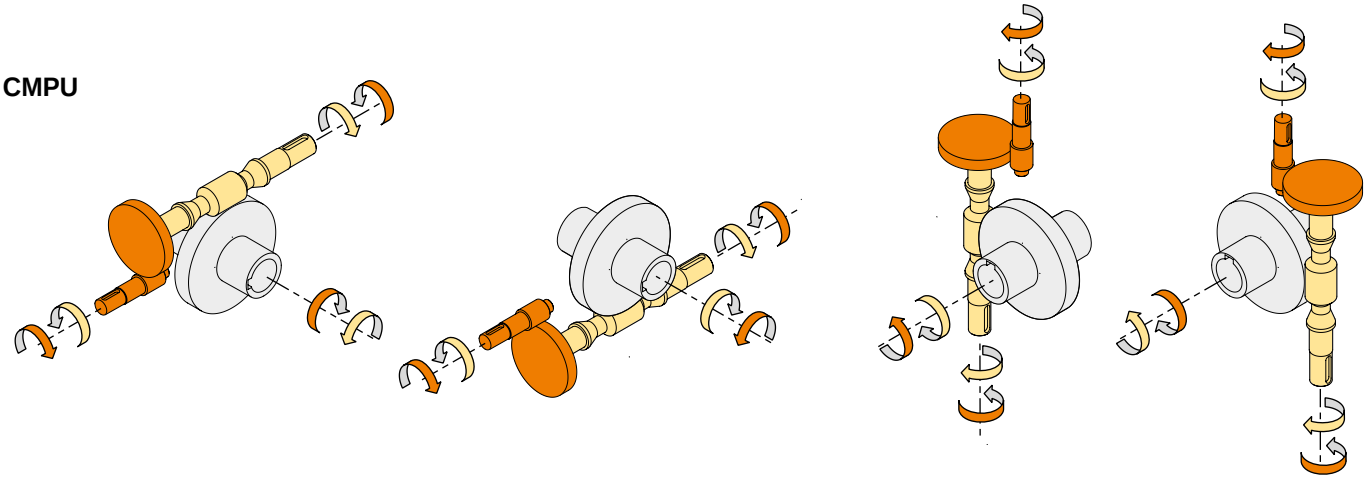
Designazione — *Classification*

MOTORE CM / *CM MOTOR*

0.75kW	4p	3ph	230/400V	50Hz	T1
Potenza *Power* Vedi tabelle *See tables*	Poli *Poles* **2p** **4p** **6p** **8p**	Fasi *Phases* **1ph** **3ph**	Tensione *Voltage* **230V** **230/400V**	Frequenza *Frequency* **50Hz** **60Hz**	Pos. morsettiera *Terminal box pos.* **T1** (Std) **T4** **T2** **T3**

Sensi di rotazione — *Direction of rotation*

CMPU



Simbologia — *Symbols*

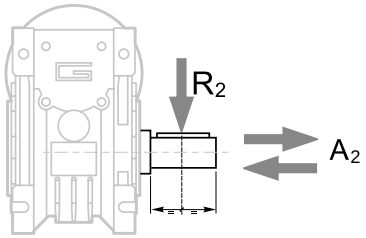
n_1	[min^{-1}]	Velocità in ingresso / *Input speed*	M_2	[Nm]	Coppia in uscita in funzione di P_1 / *Output torque referred to* P_1
n_2	[min^{-1}]	Velocità in uscita / *Output speed*	sf		Fattore di servizio / *Service factor*
i		Rapporto di riduzione / *Ratio*	R_2	[N]	Carico radiale ammissibile in uscita / *Permitted output radial load*
P_1	[kW]	Potenza in entrata / *Nominal input power*	A_2	N]	Carico assiale ammissibile in uscita / *Permitted output axial load*

Lubrificazione — *Lubrication*

Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di monatggio e non necessitano di manutenzione.

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.

Carichi radiali — *Radial loads*

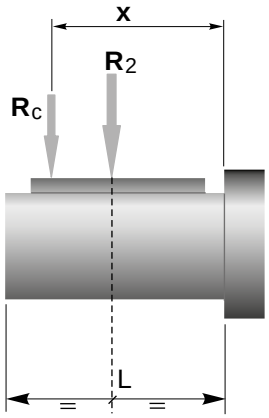


$A_2 = R_2 \times 0.2$

n_2 [min^{-1}]	R_2 [N]				
	CMPU 01/050	CMPU 01/063	CMPU 01/070	CMPU 01/075	CMPU 01/090
47	2805	3874	4141	4475	5009
35	3095	4273	4568	4937	5526
28	3334	4603	4921	5318	5953
23	3559	4915	5254	5678	6356
18	3862	5334	5702	6162	6897
14	4200	5800	6200	6700	7500

Quando il carico radiale risultante non è applicato sulla mezzeria dell'albero occorre calcolare quello effettivo con la seguente formula:

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



	CMPU				
	01/050	01/063	01/070	01/075	01/090
a	101	120	122	131	182
b	76	95	92	101	122
R_{2MAX}	4200	5800	6200	6700	7500

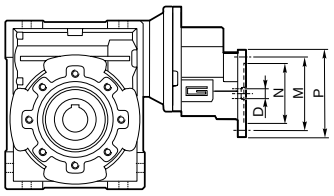
$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

a, b = valori riportati nella tabella
a, b = values given in the table

Motori applicabili

IEC Motor adapters



CMPU	IEC	N	M	P	D	i (i_1 x i_2)										
						28.5 (5,7x5)	42.75 (5,7x7,5)	57 (5,7x10)	64.28 (8,57x7,5)	85.5 (5,7x15)	85.7 (8,57x10)	114 (5,7x20)	128.55 (8,57x15)	142.5 (5,7x25)	171 (5,7x30)	214.25 (8,57x25)
01/050	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90												
	71B5	110	130	160	14	B	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105												
	80B5	130	165	200	19											
	80B14	80	100	120												
01/063	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90												
	71B5	110	130	160	14	B	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105												
	80B5	130	165	200	19											
	80B14	80	100	120												
01/070	63B5	95	115	140	11	-	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90												
	71B5	110	130	160	14	-	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105												
	80B5	130	165	200	19	-										
	80B14	80	100	120												
01/075	63B5	95	115	140	11	-	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90												
	71B5	110	130	160	14	-	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105												
	80B5	130	165	200	19	-										
	80B14	80	100	120												
01/090	63B5	95	115	140	11	-	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90												
	71B5	110	130	160	14	-	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105												
	80B5	130	165	200	19	-										
	80B14	80	100	120												

CMPU	IEC	N	M	P	D	i (i_1 x i_2)									
						228 (5,7x40)	257.1 (8,57x30)	285 (5,7x50)	342.8 (8,57x40)	428.5 (8,57x50)	456 (5,7x80)	514.2 (8,57x60)	570 (5,7x100)	685.6 (8,57x80)	857 (8,57x100)
01/050	63B5	95	115	140	11		BS								
	63B14	60	75	90											
	71B5	110	130	160	14		B								
	71B14	70	85	105											
	80B5	130	165	200	19										
	80B14	80	100	120											
01/063	63B5	95	115	140	11	BS	BS	BS	BS	BS		BS			
	63B14	60	75	90											
	71B5	110	130	160	14	B	B	B	B	B		B			
	71B14	70	85	105											
	80B5	130	165	200	19										
	80B14	80	100	120											
01/070	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90											
	71B5	110	130	160	14	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105											
	80B5	130	165	200	19										
	80B14	80	100	120											
01/075	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90											
	71B5	110	130	160	14	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105											
	80B5	130	165	200	19										
	80B14	80	100	120											
01/090	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90											
	71B5	110	130	160	14	B	B	B	B	B	B	B	B	B	B
	71B14	70	85	105											
	80B5	130	165	200	19										
	80B14	80	100	120											

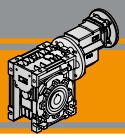
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.
N.B. *Grey areas indicate motor inputs available on each size of unit.*

B/BS = Boccola di riduzione in acciaio
B/BS = Metal shaft sleeve

Dati tecnici — *Technical data*

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.18						
63B4	**49**	28	5.3	28.50	**CMPU01/050**	**B5/B14**
(1400 min^{-1})	**33**	41	3.8	42.75		**B5/B14**
	25	52	3.0	57.00		**B5/B14**
	22	61	2.5	64.28		**B5/B14**
	16	79	2.0	85.70		**B5/B14**
	12	93	1.5	114.00		**B5/B14**
	11	112	1.4	128.55		**B5/B14**
	9.8	110	1.1	142.50		**B5/B14**
	8.2	120	1.4	171.00		**B5/B14**
	22	62	4.7	64.28	**CMPU01/063**	**B5/B14**
	16	80	3.6	85.70		**B5/B14**
	12	92	2.8	114.00		**B5/B14**
	11	110	2.8	128.55		**B5/B14**
	9.8	108	2.1	142.50		**B5/B14**
	8.2	124	2.5	171.00		**B5/B14**
	6.5	163	1.4	214.25		**B5/B14**
	6.1	148	1.8	228.00		**B5/B14**
	5.4	186	1.7	257.10		**B5/B14**
	4.9	172	1.4	285.00		**B5/B14**
	4.1	223	1.2	342.80		**B5/B14**
	3.3	258	0.9	428.50		**B5/B14**
	12	93	4.2	114.00	**CMPU01/070**	**B5/B14**
	11	112	3.9	128.55		**B5/B14**
	9.8	112	3.1	142.50		**B5/B14**
	8.2	124	3.7	171.00		**B5/B14**
	6.5	168	2.0	214.25		**B5/B14**
	6.1	148	2.6	228.00		**B5/B14**
	5.4	186	2.4	257.10		**B5/B14**
	4.9	172	2.0	285.00		**B5/B14**
	4.1	223	1.7	342.80		**B5/B14**
	3.3	258	1.3	428.50		**B5/B14**
	3.1	220	1.2	456.00		**B5/B14**
	2.7	285	1.1	514.20		**B5/B14**
	2.5	247	0.9	570.00		**B5/B14**
	2.0	331	0.8	685.60		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.18						
63B4	**12**	95	4.9	114.00	**CMPU01/075**	**B5/B14**
(1400 min^{-1})	**11**	113	4.7	128.55		**B5/B14**
	9.8	112	3.7	142.50		**B5/B14**
	8.2	124	4.4	171.00		**B5/B14**
	6.5	168	2.4	214.25		**B5/B14**
	6.1	151	3.1	228.00		**B5/B14**
	5.4	186	2.9	257.10		**B5/B14**
	4.9	172	2.3	285.00		**B5/B14**
	4.1	227	2.1	342.80		**B5/B14**
	3.3	258	1.6	428.50		**B5/B14**
	3.1	220	1.5	456.00		**B5/B14**
	2.7	291	1.3	514.20		**B5/B14**
	2.5	247	1.2	570.00		**B5/B14**
	2.0	331	1.0	685.60		**B5/B14**
	1.6	372	0.8	857.00		**B5/B14**
	6.5	178	4.0	214.25	**CMPU01/090**	**B5/B14**
	6.1	159	5.1	228.00		**B5/B14**
	5.4	195	4.8	257.10		**B5/B14**
	4.9	186	3.7	285.00		**B5/B14**
	4.1	240	3.4	342.80		**B5/B14**
	3.3	279	2.5	428.50		**B5/B14**
	3.1	242	2.2	456.00		**B5/B14**
	2.7	316	2.0	514.20		**B5/B14**
	2.5	268	1.8	570.00		**B5/B14**
	2.0	364	1.5	685.60		**B5/B14**
	1.6	403	1.2	857.00		**B5/B14**



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Technical data

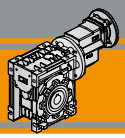
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.22						
63C4 (1400 min^{-1})	**49**	34	4.4	28.50	**CMPU01/050**	**B5/B14**
	33	50	3.1	42.75		**B5/B14**
	25	64	2.4	57.00		**B5/B14**
	22	75	2.1	64.28		**B5/B14**
	16	96	1.6	85.70		**B5/B14**
	12	114	1.2	114.00		**B5/B14**
	11	136	1.2	128.55		**B5/B14**
	9.8	134	0.9	142.50		**B5/B14**
	8.2	146	1.1	171.00		**B5/B14**
	25	65	4.4	57.00	**CMPU01/063**	**B5/B14**
	22	76	3.9	64.28		**B5/B14**
	16	97	3.0	85.70		**B5/B14**
	12	112	2.3	114.00		**B5/B14**
	11	134	2.3	128.55		**B5/B14**
	9.8	132	1.7	142.50		**B5/B14**
	8.2	151	2.1	171.00		**B5/B14**
	6.5	198	1.2	214.25		**B5/B14**
	6.1	181	1.4	228.00		**B5/B14**
	5.4	227	1.4	257.10		**B5/B14**
	4.9	209	1.1	285.00		**B5/B14**
	4.1	272	1.0	342.80		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.22						
63C4 (1400 min^{-1})	**16**	98	4.3	85.70	**CMPU01/070**	**B5/B14**
	12	114	3.4	114.00		**B5/B14**
	11	136	3.2	128.55		**B5/B14**
	9.8	136	2.5	142.50		**B5/B14**
	8.2	151	3.0	171.00		**B5/B14**
	6.5	205	1.7	214.25		**B5/B14**
	6.1	181	2.1	228.00		**B5/B14**
	5.4	227	2.0	257.10		**B5/B14**
	4.9	209	1.6	285.00		**B5/B14**
	4.1	272	1.4	342.80		**B5/B14**
	3.3	315	1.1	428.5		**B5/B14**
	3.1	268	1.0	456.00		**B5/B14**
	2.7	348	0.9	514.20		**B5/B14**
	2.5	302	0.8	570.00		**B5/B14**
	16	98	5.1	85.70	**CMPU01/075**	**B5/B14**
	12	116	4.0	114.00		**B5/B14**
	11	138	3.8	128.55		**B5/B14**
	9.8	136	3.0	142.50		**B5/B14**
	8.2	151	3.6	171.00		**B5/B14**
	6.5	205	2.0	214.25		**B5/B14**
	6.1	184	2.5	228.00		**B5/B14**
	5.4	227	2.4	257.10		**B5/B14**
	4.9	209	1.9	285.00		**B5/B14**
	4.1	277	1.7	342.80		**B5/B14**
	3.3	315	1.3	428.5		**B5/B14**
	3.1	268	1.2	456.00		**B5/B14**
	2.7	355	1.1	514.20		**B5/B14**
	2.5	302	1.0	570.00		**B5/B14**
	2.0	403	0.8	685.60		**B5/B14**
	9.8	145	4.9	142.50	**CMPU01/090**	**B5/B14**
	6.5	217	3.3	214.25		**B5/B14**
	6.1	194	4.2	228.00		**B5/B14**
	5.4	238	4.0	257.10		**B5/B14**
	4.9	226	3.0	285.00		**B5/B14**
	4.1	292	2.8	342.80		**B5/B14**
	3.3	340	2.0	428.50		**B5/B14**
	3.1	295	1.8	456.00		**B5/B14**
	2.7	385	1.6	514.20		**B5/B14**
	2.5	327	1.5	570.00		**B5/B14**
	2.0	443	1.2	685.60		**B5/B14**
	1.6	491	1.0	857.00		**B5/B14**

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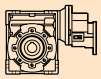
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.25						
71A4	**49**	39	3.9	28.5	**CMPU01/050**	**B5/B14**
(1400 min^{-1})	**33**	56	2.8	42.75		**B5/B14**
	25	72	2.1	57.00		**B5/B14**
	22	85	1.8	64.28		**B5/B14**
	16	109	1.4	85.70		**B5/B14**
	12	129	1.1	114.00		**B5/B14**
	11	154	1.0	128.55		**B5/B14**
	9.8	152	0.8	142.50		**B5/B14**
	8.2	165	1.0	171.00		**B5/B14**
	25	73	3.9	57.00	**CMPU01/063**	**B5/B14**
	22	86	3.4	64.28		**B5/B14**
	16	110	2.6	85.70		**B5/B14**
	12	127	2.0	114.00		**B5/B14**
	11	152	2.0	128.55		**B5/B14**
	9.8	150	1.5	142.50		**B5/B14**
	8.2	171	1.8	171.00		**B5/B14**
	6.5	225	1.0	214.25		**B5/B14**
	6.1	205	1.3	228.00		**B5/B14**
	5.4	257	1.2	257.10		**B5/B14**
	4.9	237	1.0	285.00		**B5/B14**
	4.1	308	0.8	342.80		**B5/B14**
	16	111	3.8	85.70	**CMPU01/070**	**B5/B14**
	12	129	3.0	114.00		**B5/B14**
	11	154	2.8	128.55		**B5/B14**
	9.8	154	2.2	142.50		**B5/B14**
	8.2	171	2.7	171.00		**B5/B14**
	6.5	232	1.5	214.25		**B5/B14**
	5.4	257	1.8	257.10		**B5/B14**
	6.1	205	1.8	228.00		**B5/B14**
	4.9	237	1.4	285.00		**B5/B14**
	4.1	308	1.2	342.80		**B5/B14**
	3.3	357	0.9	428.50		**B5/B14**
	3.1	304	0.9	456.00		**B5/B14**
	2.7	394	0.8	514.20		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.25						
71A4	**16**	111	4.5	85.70	**CMPU01/075**	**B5/B14**
(1400 min^{-1})	**12**	131	3.6	114.00		**B5/B14**
	11	156	3.4	128.55		**B5/B14**
	9.8	154	2.7	142.50		**B5/B14**
	8.2	171	3.2	171.00		**B5/B14**
	6.5	232	1.8	214.25		**B5/B14**
	5.4	257	2.1	257.10		**B5/B14**
	6.1	209	2.2	228.00		**B5/B14**
	4.9	237	1.7	285.00		**B5/B14**
	4.1	314	1.5	342.80		**B5/B14**
	3.3	357	1.1	428.50		**B5/B14**
	3.1	304	1.1	456.00		**B5/B14**
	2.7	403	0.9	514.20		**B5/B14**
	2.5	342	0.8	570.00		**B5/B14**
	9.8	164	4.3	142.50	**CMPU01/090**	**B5/B14**
	8.2	179	5.3	171.00		**B5/B14**
	6.5	246	2.9	214.25		**B5/B14**
	6.1	220	3.7	228.00		**B5/B14**
	5.4	270	3.5	257.10		**B5/B14**
	4.9	256	2.7	285.00		**B5/B14**
	4.1	331	2.5	342.80		**B5/B14**
	3.3	385	1.8	428.50		**B5/B14**
	3.1	334	1.6	456.00		**B5/B14**
	2.7	437	1.4	514.20		**B5/B14**
	2.5	370	1.3	570.00		**B5/B14**
	2.0	503	1.1	685.60		**B5/B14**
	1.6	557	0.9	857.00		**B5/B14**



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Technical data

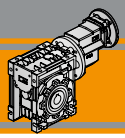
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4	**49**	58	2.6	28.50	**CMPU01/050**	**B5/B14**
(1400 min^{-1})	**33**	83	1.9	42.75		**B5/B14**
	25	107	1.4	57.00		**B5/B14**
	22	125	1.2	64.28		**B5/B14**
	16	161	1.0	85.70		**B5/B14**
	49	58	4.8	28.50	**CMPU01/063**	**B5/B14**
	33	84	3.5	42.75		**B5/B14**
	25	108	2.6	57.00		**B5/B14**
	22	127	2.3	64.28		**B5/B14**
	16	163	1.8	85.70		**B5/B14**
	12	189	1.4	114.00		**B5/B14**
	11	225	1.3	128.55		**B5/B14**
	9.8	222	1.0	142.50		**B5/B14**
	8.2	253	1.2	171.00		**B5/B14**
	6.5	333	0.7	214.25		**B5/B14**
	6.1	304	0.9	228.00		**B5/B14**
	5.4	381	0.8	257.10		**B5/B14**
	4.9	352	0.7	285.00		**B5/B14**
	25	110	3.8	57.00	**CMPU01/070**	**B5/B14**
	22	129	3.1	64.28		**B5/B14**
	16	165	2.5	85.70		**B5/B14**
	12	191	2.0	114.00		**B5/B14**
	11	229	1.9	128.55		**B5/B14**
	9.8	229	1.5	142.50		**B5/B14**
	8.2	253	1.8	171.00		**B5/B14**
	6.5	344	1.0	214.25		**B5/B14**
	6.1	304	1.2	228.00		**B5/B14**
	5.4	381	1.2	257.10		**B5/B14**
	4.9	352	1.0	285.00		**B5/B14**
	4.1	457	0.8	342.80		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.37						
71B4	**25**	110	4.6	57.00	**CMPU01/075**	**B5/B14**
(1400 min^{-1})	**22**	129	3.8	64.28		**B5/B14**
	16	165	3.0	85.70		**B5/B14**
	12	194	2.4	114.00		**B5/B14**
	11	232	2.3	128.55		**B5/B14**
	9.8	229	1.8	142.50		**B5/B14**
	8.2	253	2.2	171.00		**B5/B14**
	6.5	344	1.2	214.25		**B5/B14**
	6.1	310	1.5	228.00		**B5/B14**
	5.4	381	1.4	257.10		**B5/B14**
	4.9	352	1.1	285.00		**B5/B14**
	4.1	466	1.0	342.80		**B5/B14**
	3.3	529	0.8	428.50		**B5/B14**
	16	169	4.4	85.70	**CMPU01/090**	**B5/B14**
	12	203	4.0	114.00		**B5/B14**
	11	238	3.7	128.55		**B5/B14**
	9.8	243	2.9	142.50		**B5/B14**
	8.2	266	3.5	171.00		**B5/B14**
	6.5	365	1.9	214.25		**B5/B14**
	6.1	327	2.5	228.00		**B5/B14**
	5.4	400	2.4	257.10		**B5/B14**
	4.9	380	1.8	285.00		**B5/B14**
	4.1	491	1.7	342.80		**B5/B14**
	3.3	571	1.2	428.50		**B5/B14**
	3.1	496	1.1	456.00		**B5/B14**
	2.7	648	1.0	514.20		**B5/B14**
	2.5	549	0.9	570.00		**B5/B14**

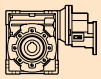
Dati tecnici — *Technical data*

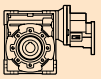
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
71C4	**49**	86	1.7	28.50	**CMPU01/050**	**B5/B14**
(1400 min^{-1})	**33**	124	1.3	42.75		**B5/B14**
	25	159	1.0	57.00		**B5/B14**
	22	187	0.8	64.28		**B5/B14**
	49	86	3.2	28.50	**CMPU01/063**	**B5/B14**
	33	126	2.3	42.75		**B5/B14**
	25	161	1.8	57.00		**B5/B14**
	22	189	1.5	64.28		**B5/B14**
	16	243	1.2	85.70		**B5/B14**
	12	281	0.9	114.00		**B5/B14**
	11	335	0.9	128.55		**B5/B14**
	9.8	330	0.7	142.50		**B5/B14**
	8.2	377	0.8	171.00		**B5/B14**
	33	127	3.2	42.75	**CMPU01/070**	**B5/B14**
	25	163	2.6	57.00		**B5/B14**
	22	191	2.1	64.28		**B5/B14**
	16	246	1.7	85.70		**B5/B14**
	12	285	1.4	114.00		**B5/B14**
	11	340	1.3	128.55		**B5/B14**
	9.8	340	1.0	142.50		**B5/B14**
	8.2	377	1.2	171.00		**B5/B14**
	6.5	512	0.7	214.25		**B5/B14**
	6.1	452	0.8	228.00		**B5/B14**
	5.4	567	0.8	257.10		**B5/B14**
	33	127	3.8	42.75	**CMPU01/075**	**B5/B14**
	25	163	3.1	57.00		**B5/B14**
	22	191	2.5	64.28		**B5/B14**
	16	246	2.0	85.70		**B5/B14**
	12	289	1.6	114.00		**B5/B14**
	11	345	1.5	128.55		**B5/B14**
	9.8	340	1.2	142.50		**B5/B14**
	8.2	377	1.5	171.00		**B5/B14**
	6.5	512	0.8	214.25		**B5/B14**
	6.1	461	1.0	228.00		**B5/B14**
	5.4	567	1.0	257.10		**B5/B14**
	4.9	524	0.8	285.00		**B5/B14**

P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
80A4	**25**	168	4.5	57.00	**CMPU01/090**	**B5/B14**
(1400 min^{-1})	**22**	196	3.6	64.28		**B5/B14**
	16	252	3.0	85.70		**B5/B14**
	12	302	2.7	114.00		**B5/B14**
	11	354	2.5	128.55		**B5/B14**
	9.8	361	2.0	142.50		**B5/B14**
	8.2	396	2.4	171.00		**B5/B14**
	6.5	543	1.3	214.25		**B5/B14**
	6.1	486	1.7	228.00		**B5/B14**
	5.4	595	1.6	257.10		**B5/B14**
	4.9	566	1.2	285.00		**B5/B14**
	4.1	731	1.1	342.80		**B5/B14**
	3.3	850	0.8	428.50		**B5/B14**
	49	86	1.7	28.50	**CMPU01/050**	**B5/B14**
	33	124	1.3	42.75		**B5/B14**
	25	159	1.0	57.00		**B5/B14**
	22	187	0.8	64.28		**B5/B14**
	49	86	3.2	28.50	**CMPU01/063**	**B5/B14**
	33	126	2.3	42.75		**B5/B14**
	25	161	1.8	57.00		**B5/B14**
	22	189	1.5	64.28		**B5/B14**
	16	243	1.2	85.70		**B5/B14**
	12	281	0.9	114.00		**B5/B14**
	11	335	0.9	128.55		**B5/B14**
	9.8	330	0.7	142.50		**B5/B14**
	8.2	377	0.8	171.00		**B5/B14**
	33	127	3.2	42.75	**CMPU01/070**	**B5/B14**
	25	163	2.6	57.00		**B5/B14**
	22	191	2.1	64.28		**B5/B14**
	16	246	1.7	85.70		**B5/B14**
	12	285	1.4	114.00		**B5/B14**
	11	340	1.3	128.55		**B5/B14**
	9.8	340	1.0	142.50		**B5/B14**
	8.2	377	1.2	171.00		**B5/B14**
	6.5	512	0.7	214.25		**B5/B14**
	6.1	452	0.8	228.00		**B5/B14**
	5.4	567	0.8	257.10		**B5/B14**



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P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.55						
80A4	**33**	127	3.8	42.75	**CMPU01/075**	**B5/B14**
(1400 min^{-1})	**25**	163	3.1	57.00		**B5/B14**
	22	191	2.5	64.28		**B5/B14**
	16	246	2.0	85.70		**B5/B14**
	12	289	1.6	114.00		**B5/B14**
	11	345	1.5	128.55		**B5/B14**
	9.8	340	1.2	142.50		**B5/B14**
	8.2	377	1.5	171.00		**B5/B14**
	6.5	512	0.8	214.25		**B5/B14**
	6.1	461	1.0	228.00		**B5/B14**
	5.4	567	1.0	257.10		**B5/B14**
	4.9	524	0.8	285.00		**B5/B14**
	25	168	4.5	57.00	**CMPU01/090**	**B5/B14**
	22	196	3.6	64.28		**B5/B14**
	16	252	3.0	85.70		**B5/B14**
	12	302	2.7	114.00		**B5/B14**
	11	354	2.5	128.55		**B5/B14**
	9.8	361	2.0	142.50		**B5/B14**
	8.2	396	2.4	171.00		**B5/B14**
	6.5	543	1.3	214.25		**B5/B14**
	6.1	486	1.7	228.00		**B5/B14**
	5.4	595	1.6	257.10		**B5/B14**
	4.9	566	1.2	285.00		**B5/B14**
	4.1	731	1.1	342.80		**B5/B14**
	3.3	850	0.8	428.50		**B5/B14**
0.75						
80B4	**49**	117	1.3	28.50	**CMPU01/050**	**B5/B14**
(1400 min^{-1})	**33**	169	0.9	42.75		**B5/B14**
	49	117	2.4	28.50	**CMPU01/063**	**B5/B14**
	33	172	1.7	42.75		**B5/B14**
	25	220	1.3	57.00		**B5/B14**
	22	258	1.1	64.28		**B5/B14**
	16	331	0.9	85.70		**B5/B14**
	12	383	0.7	114.00		**B5/B14**
	11	458	0.7	128.60		**B5/B14**
	33	174	2.3	42.75	**CMPU01/070**	**B5/B14**
	25	223	1.9	57.00		**B5/B14**
	22	261	1.5	64.28		**B5/B14**
	16	335	1.2	85.70		**B5/B14**
	12	389	1.0	114.00		**B5/B14**
	11	464	0.9	128.60		**B5/B14**
	9.8	465	0.7	142.50		**B5/B14**
	8.2	515	0.9	171.00		**B5/B14**

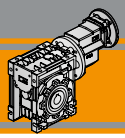
P_1 [kW]	n_2 [min^{-1}]	M_2 [Nm]	sf	i		IEC
0.75						
80B4	**33**	174	2.8	42.75	**CMPU01/075**	**B5/B14**
(1400 min^{-1})	**25**	223	2.3	57.00		**B5/B14**
	22	261	1.9	64.28		**B5/B14**
	16	335	1.5	85.70		**B5/B14**
	12	395	1.2	114.00		**B5/B14**
	11	471	1.1	128.60		**B5/B14**
	9.8	465	0.9	142.50		**B5/B14**
	8.2	515	1.1	171.00		**B5/B14**
	6.1	629	0.7	228.00		**B5/B14**
	33	178	4.0	42.75	**CMPU01/090**	**B5/B14**
	25	229	3.3	57.00		**B5/B14**
	22	268	2.6	64.28		**B5/B14**
	16	344	2.2	85.70		**B5/B14**
	12	412	2.0	114.00		**B5/B14**
	11	484	1.8	128.55		**B5/B14**
	9.8	493	1.4	142.50		**B5/B14**
	8.2	541	1.7	171.00		**B5/B14**
	6.5	742	1.0	214.25		**B5/B14**
	6.1	664	1.2	228.00		**B5/B14**
	5.4	813	1.2	257.10		**B5/B14**
	4.9	772	0.9	285.00		**B5/B14**
	4.1	998	0.8	342.80		**B5/B14**
1.1						
80C4	**49**	172	0.9	28.50	**CMPU01/050**	**B5/B14**
(1400 min^{-1})	**49**	172	1.6	28.50	**CMPU01/063**	**B5/B14**
	33	251	1.2	42.75		**B5/B14**
	25	323	0.9	57.00		**B5/B14**
	16	446	0.7	85.50		**B5/B14**
	33	255	1.6	42.75	**CMPU01/070**	**B5/B14**
	25	327	1.3	57.00		**B5/B14**
	16	452	1.0	85.50		**B5/B14**
	33	255	1.9	42.75	**CMPU01/075**	**B5/B14**
	25	327	1.5	57.00		**B5/B14**
	16	459	1.2	85.50		**B5/B14**
	12	578	0.8	114.00		**B5/B14**
	33	261	2.7	42.75	**CMPU01/090**	**B5/B14**
	25	335	2.2	57.00		**B5/B14**
	16	471	1.8	85.50		**B5/B14**
	12	603	1.3	114.00		**B5/B14**
	9.8	723	1.0	142.50		**B5/B14**
	8.2	792	1.2	171.00		**B5/B14**
	6.1	972	0.8	228.00		**B5/B14**

Dimensioni — *Dimensions*

	CMPU.. - CMPU..F - CMPU..FB - CMPU..FL													
	A	C	D H8	E	F	G1	H	HX	I	K	L	M	N h8	N1
01/050	80	120	25	144	49	92	60	36.5	50	70	85	85	70	43.5
01/063	100	144	25	174	67	112	72	36.5	63	85	104	95	80	53
01/070	110	160	28	195	64	120	80	36.5	70	90	104	115	95	57
01/075	120	172	28	205	72	120	86	36.5	75	90	112	115	95	57
01/090	140	208	35	238	74	140	103	36.5	90	100	130	130	110	67

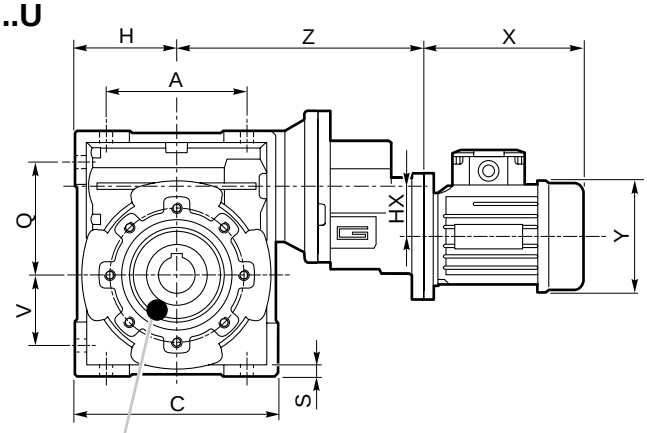
	CMPU.. - CMPU..F - CMPU..FB - CMPU..FL											
	O	P	Q	R	S	T	V	Z	KE	a	b	t	Kg
01/050	8.5	98	64	84	7	30	40	210	M8x10(n.4)	45°	8	28.3 (27.3)	6.0
01/063	8.5	110	80	102	8	36	50	228	M8x14(n.8)	45°	8	28.3	8.7
01/070	9	130	91	115	9	40	55	238	M8x14(n.8)	45°	8	31.3	10.0
01/075	11	140	93	119	10	40	60	243	M8x14(n.8)	45°	8	31.3	11.5
01/090	13	160	102	135	11	45	70	260	M10x18(n.8)	45°	10	38.3	15.5

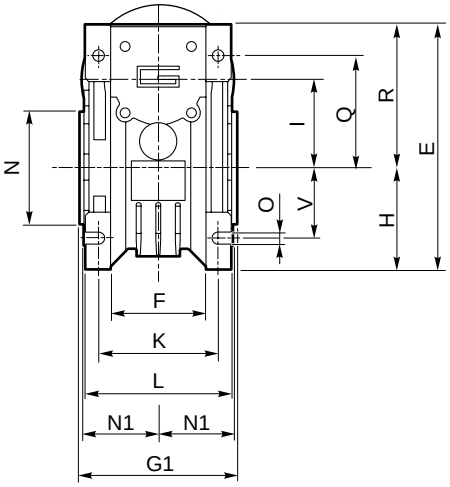
		CMPU..F								CMPU..FB							CMPU..FL							
	a1	KA	KB	KC	KM	KN H8	KO	KP	KQ	KA	KB	KC	KM	KN H8	KO	KP	KA	KB	KC	KM	KN H8	KO	KP	KQ
01/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	120	9	5	90-110	70	11(n.4)	125	110
01/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	112	10	6	150-160	115	11(n.4)	180	142
01/070	45°	107	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
01/075	45°	111	13	6	165-180	130	14(n.4)	200	170	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
01/090	45°	111	13	6	175-190	152	14(n.4)	210	200	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

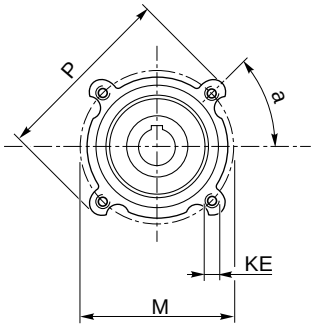


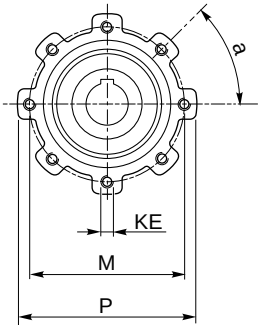
Dimensioni — *Dimensions*

CMPU..U



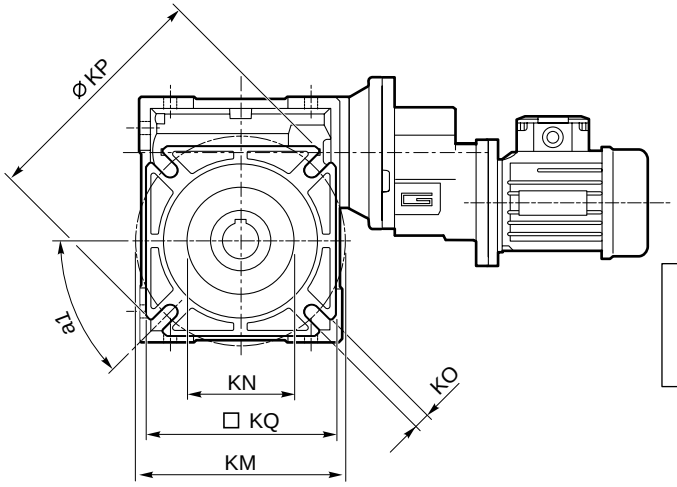


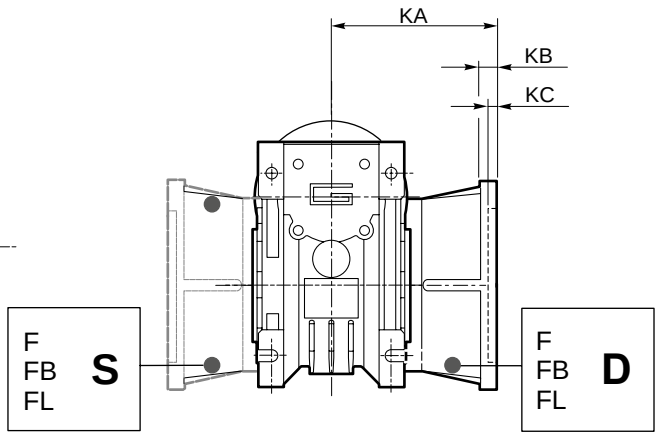




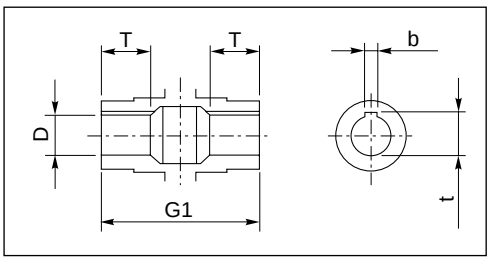
..01/050

..01/063
..01/070
..01/075
..01/090





CMPU..F **(..01/050 - .. 01/090)**
CMPU..FB **(.. 01/050 - .. 01/063)**
CMPU..FL **(.. 01/050 - .. 01/063)**

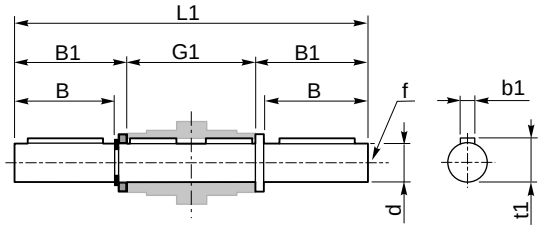


Albero lento cavo / *Hollow output shaft*

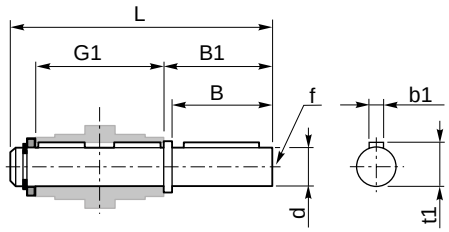
Accessori / *Accessories*

Albero lento semplice e doppio / *Single and double output shaft*

DZ



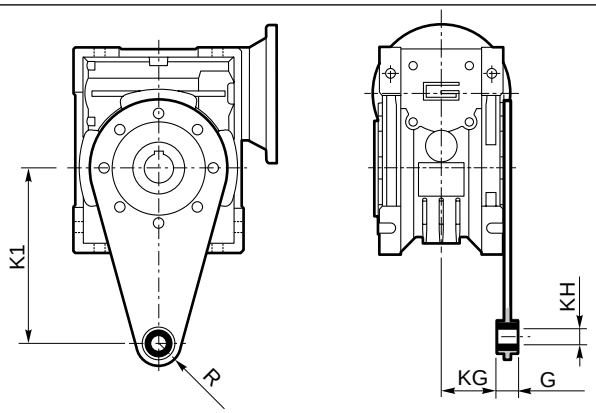
SZ



CMPU	d h7	B	B1	G1	L	L1	f	b1	t1
01/050	25	50	53.5	92	153	199	M10	8	28
01/063	25	50	53.5	112	173	219	M10	8	28
01/070	28	60	63.5	120	192	247	M10	8	31
01/075	28	60	63.5	120	192	247	M10	8	31
01/090	35	80	84.5	140	234	309	M12	10	38

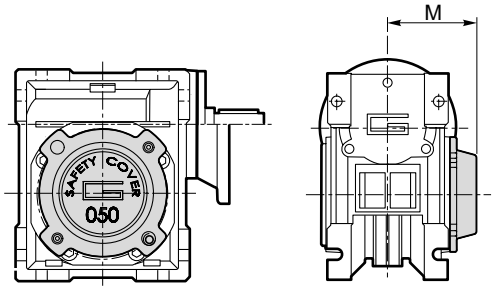
Braccio di reazione / *Torque arm*

CMPU	K1	G	KG	KH	R
01/050	100	14	38	10	18
01/063	150	14	47.5	10	18
01/070	200	25	46.5	20	30
01/075	200	25	46.5	20	30
01/090	200	25	56.5	20	30



SC - *Safety Cover*

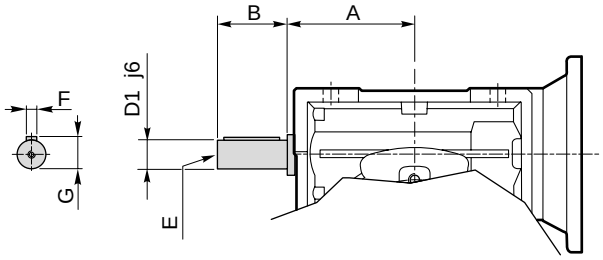
CMPU	M
01/050	62.5
01/063	73
01/070	75
01/075	79
01/090	94



Opzioni / *Options*

VS - Vite sporgente / *Extended input shaft*

CMPU	A	B	D_1 j6	E	F	G
01/050	64	30	14	M6	5	16
01/063	75	40	19	M6	6	21.5
01/070	84	40	19	M6	6	21.5
01/075	90	50	24	M8	8	27
01/090	108	50	24	M8	8	27



Costruito su richiesta
Built on request

TRANSTECNO®
the modular gearmotor

Appendice
Appendix



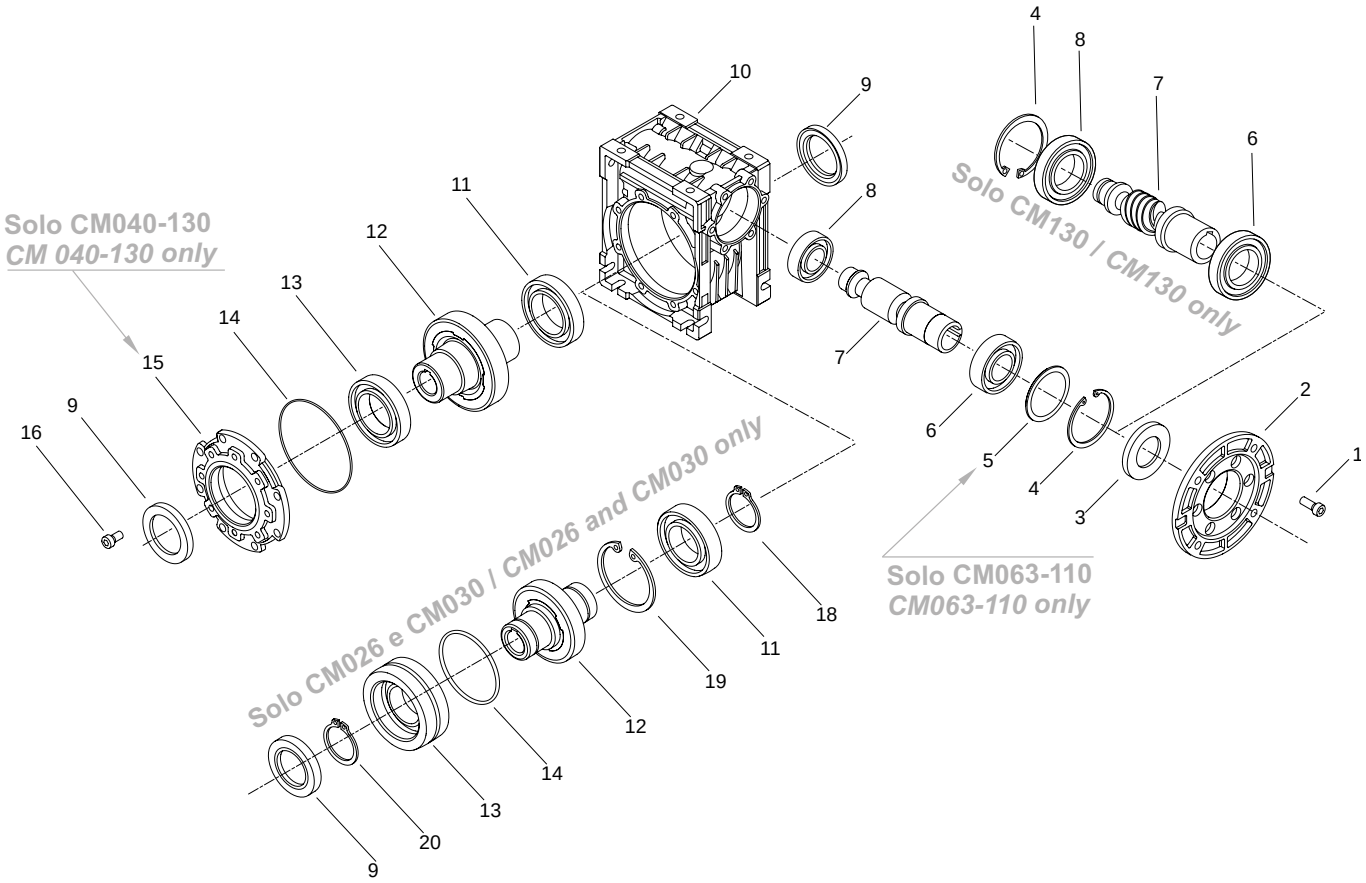
Indice	*Index*	Pag. *Page*
Liste parti di ricambio	*Spare parts list*	
CM026..CM130	*CM026..CM130*	**E2**
PU	*PU*	**E3**
Boccole di riduzione in acciaio	*Metal shaft sleeves*	**E4**

Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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Lista parti di ricambio ***Spare parts list***

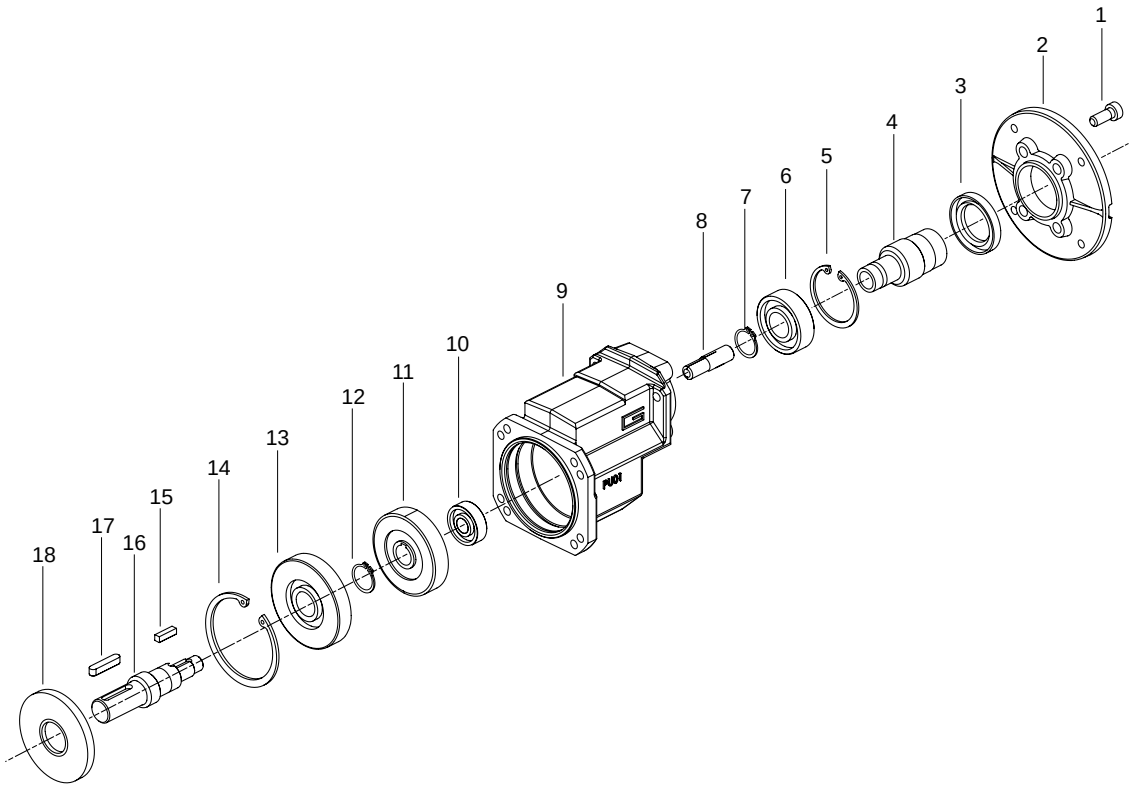
CM026..CM130



CM	Anelli di tenuta / *Oil seals*	
	3	**9**
026	15/28/7	20/32/5
030	20/37/7	25/40/7
040	25/42/7	30/47/7
050	30/47/7	40/55/7
063	35/62/7	45/65/8
070	40/68/8	45/65/8
075	40/68/7	50/72/8
090	40/68/7	60/85/8
110	50/80/8	65/85/10
130	50/68/8	70/90/10

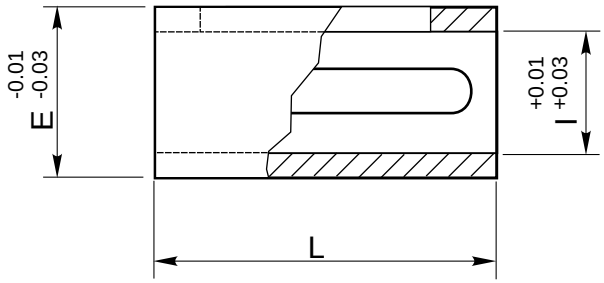
Lista parti di ricambio ***Spare parts list***

PU



PU	Anelli di tenuta / *Oil seals*	
	3	**18**
01	30/47/7	25/72/7

Boccole di riduzione in acciaio — *Metal shaft sleeves*



Quantità per scatola *Quantity each box*	*Tipo / Type*	*Dimensioni mm. / Dimensions mm.*		
		E	**I**	**L**
50	**B 0911**	11	9	22
50	**B 1114**	14	11	28
50	**B 1419**	19	14	40
30	**B 1924**	24	19	50
20	**B 2428**	28	24	60
15	**B 2838**	38	28	70
25	**BS 0914**	14	9	26
25	**BS 1119**	19	11	35
30	**BS 1424**	24	14	40
20	**BS 1928**	28	19	40
15	**BS 2438**	38	24	70

Nota: Le boccole in acciaio sono fornite complete di linguette.
Note: The metal shaft sleeves are supplied complete with keys.

MA TRANSTECNO S.A.P.I. DE C.V.
Av. Mundial # 176, Parque Industrial
JM Apodaca, Nuevo León,
C.P. 66600
MÉXICO
T +52 8113340920
info@transtecno.com.mx
www.transtecno.com.mx

TRANSTECNO SRL
Via Caduti di Sabbiuno, 11/D-E
40011 Anzola dell'Emilia (BO)
ITALY
T+39 051 64 25 811
F +39 051 73 49 43
sales@transtecno.com
www.transtecno.com

HANGZHOU TRANSTECNO POWER TRANSMISSIONS CO LTD
Changlian Road, Fengdu Industry zone,
Pingyao Town Yuhang Area,
Hangzhou, 311115 - CHINA
T +86 571 86 92 02 60
F +86 571 86 92 18 10
info-china@transtecno.com
www.transtecno.cn

CATCM0315



TRANSTECNO U.S.A. LLC
5440 S.W. 156th Place Miami,
FL 33185 - USA
Tel: +1 (305) 220-4423
Fax: +1 (305) 220-5945
usaoffice@transtecno.com

SALES OFFICE BRAZIL
Rua Dr. Freire Alemão 155 / 402 - CEP. 90450-060
Auxiliadora Porto Alegre RS - BRAZIL
Tel: +55 51 3251 5447
Fax: +55 51 3251 5447
Mobile: +55 51 811 45 962
braziloffice@transtecno.com
www.transtecno.com.br

TRANSTECNO SRL (Branch)
Via Ferrari, 27/11 41043 Fraz. Corlo
Formigine (MO) - ITALY
Tel. +39 059 55 75 22
Fax +39 059 55 74 39
sales@transtecno.com

TRANSTECNO B.V.
De Stuwdam, 43 - Ind. Terrein Wieken/Vinkenhoef
3815 KM Amersfoort - NETHERLANDS
Tel: +31(0) 33 45 19 505
Fax: +31(0) 33 45 19 506
info@transtecno.nl
www.transtecno.nl

SALES OFFICE FRANCE
12 Impasse des Mûriers
38300 Ruy - FRANCE
Tel: +33 (0) 6 85 12 09 87
Fax-Italy: +39 051 733 904
franceoffice@transtecno.com
www.transtecno.fr

SALES OFFICE GUANGZHOU
Room 401A, LeTian Building, No.188 TangAn Road,
Tianhe District, Guangzhou City, 510665 - CHINA
Tel:+ 86 20 387 760 57
Fax: + 86 20 387 761 27
guangzhouoffice@transtecno.com

SALES OFFICE INDIA
A/10, Anagha, S.N. Road, Mulund (W) Mumbai
400080 - INDIA
Tel: +91 9820614698
Fax-Italy: +39 051 733 904
indiaoffice@transtecno.com

SALES OFFICE SOUTH KOREA
D-304 Songdo BRC Smart Valley 30, Songdomirae-ro,
Yeonsu-gu, Incheon, 406-840 - KOREA
Tel: +82 70 8288 2107
Fax: +82 32 815 2107
Mobile: +82 10 5094 2107
koreaoffice@transtecno.com

SALES OFFICE OCEANIA
Unit 3, 18-24 Ricketts Road, Mount Waverley 3149
Victoria - AUSTRALIA
Tel: +61 9544 8005
Fax: +61 9543 8005
Mobile: +61 0438 060 997
oceaniaoffice@transtecno.com
www.transtecno.com.au

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