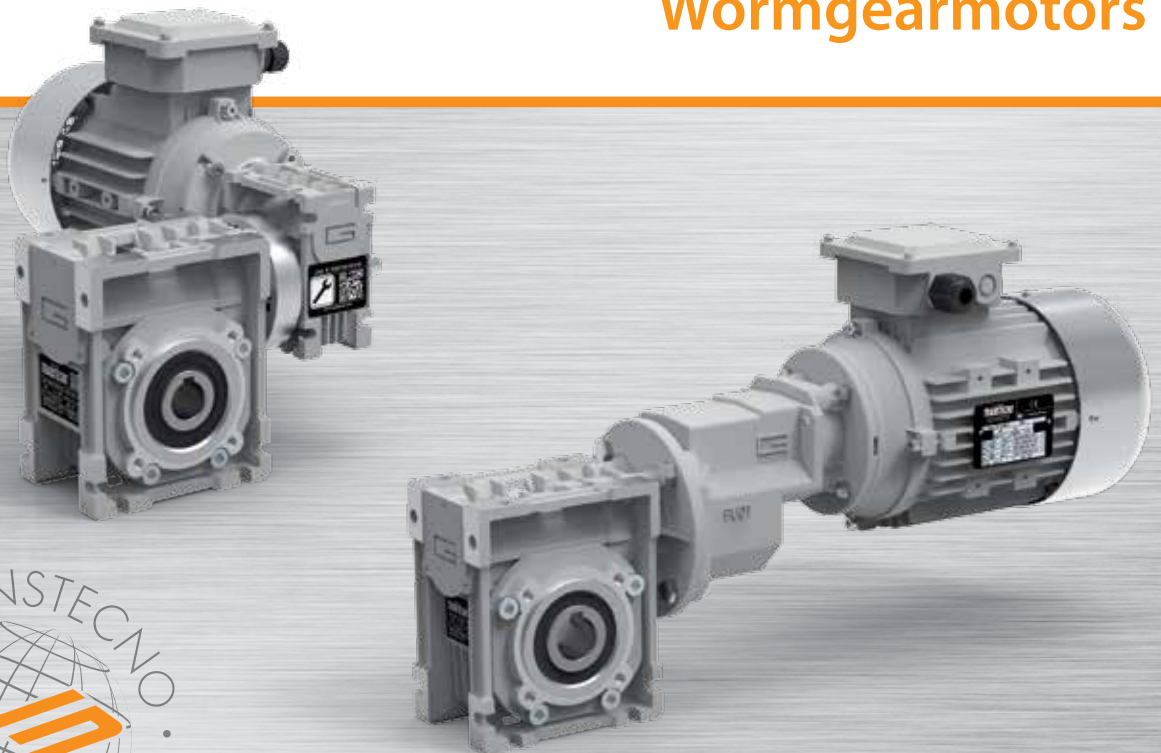
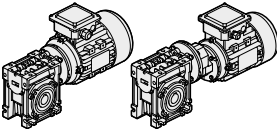
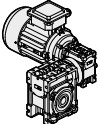
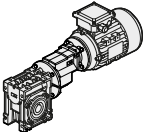


Motoriduttori a vite senza fine
Wormgearmotors



	Indice	Index	Pag. Page
	A Introduzione	Introduction	A1
	B Motoriduttori a vite senza fine CM/CMP	Wormgearmotors CM/CMP	B1
	C Motoriduttori combinati a vite senza fine CMM	Double reduction wormgearmotors CMM	C1
	D Motoriduttori a vite senza fine con precoppia PU CMPU	PU Pre-stage wormgearmotors CMPU	D1
	E Appendice	Appendix	E1

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

Nota: dati riferiti al rapporto $i=30$
Note: data referred to ratio $i=30$



CMP

Nota: dati riferiti al rapporto $i=90$
Note: data referred to ratio $i=90$

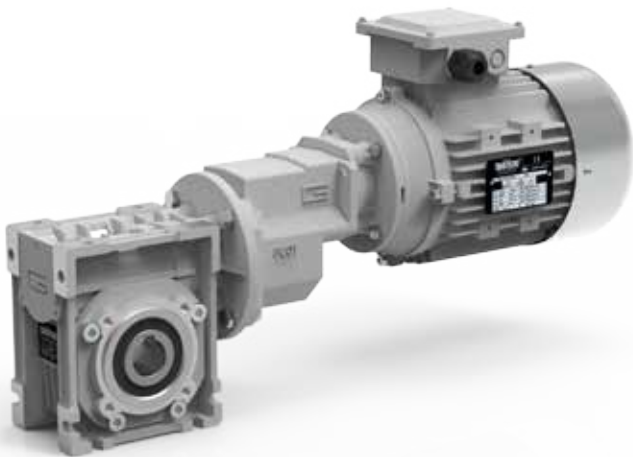
Grandezza Sizes	Coppia nominale in uscita Nominal output torque M_{n2} [Nm]	Pag. Page
CM026	15	B26
CM030	22	B27
CMP056/030	33	
CM040	48	B28
CMP.../040	71	
CM050	88	B30
CMP.../050	126	
CM063	166	B32
CMP.../063	235	
CM070	241	B34
CMP.../070	341	
CM075	289	B35
CMP.../075	405	
CM090	493	B36
CMP.../090	688	
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	C12
CMM026/030	40	
CMM026/040	90	
CMM026/050	162	
CMM030/040	90	C14
CMM030/050	162	
CMM030/063	310	
CMM040/063	310	C14
CMM040/070	453	
CMM040/075	547	
CMM040/090	943	
CMM050/110	1595	C14
CMM063/130	1700	C14

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

*This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. **In this case the latest version is available on our web site www.transtecno.com***

Generalità

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.

General information

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

n_1 [min⁻¹]

Input speed

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

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

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

When different speeds are required, contact our Technical Service.

Rapporto di riduzione

i

Gear ratio

E' una grandezza adimensionale ed è in funzione del numero dei denti degli ingranaggi interni al riduttore.

This value is strictly related to the size and number of teeth gears inside the gearbox.

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.

This value is obtained in wormgearboxes by dividing the number of wheel teeth by the number of starts (Z) of the worm.

Dai dati di catalogo si può ottenere con la relazione:

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

n_2 [min⁻¹]

Output speed

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:

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

Coppia richiesta

Mr_2 [Nm]

Requested torque

E' la coppia richiesta dall'applicazione ed è indispensabile per la selezione di una motorizzazione.

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).

Essa può essere comunicata dall'utente oppure calcolata in base ai dati di applicazione (se forniti).

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 efficiency is 94%.

Reversibilità e irreversibilità

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.

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.

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 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.

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 R_d e statico R_s .

Reversibility and irreversibility

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.

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 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 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.

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

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

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.

A - Uniforme	$fa \leq 0.3$
B - Medio	$fa \leq 3$
C - Forte	$fa \leq 10$

A - Uniform	$fa \leq 0.3$
B - Moderate shocks	$fa \leq 3$
C - Heavy shocks	$fa \leq 10$

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

- Je (kgm²) momento d'inerzia esterno ridotto all'albero motore.
- Jm (kgm²) momento d'inerzia motore.

Se $fa > 10$ interpellare il sn. Servizio Tecnico.

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

- Je (kgm²) moment of reduced external inertia at the drive-shaft
- Jm (kgm²) 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; R₂ [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 R₂ 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 R₂ 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; A₂ [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 A₂ 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 A₂ 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 A₂ contattate il ns. Servizio Tecnico.

If axial load A that acts on the shaft is greater than A₂, 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 n₂ il numero di giri richiesti in uscita al motoriduttore.

where Rd stands for the dynamic efficiency (indicated on page B6) and n₂ 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		
---------------	-------------------------------	---------------	------	-----	-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------

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:

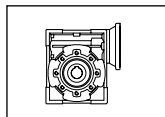
CM040 $i = 30$, $P_1 = 0.18$ kW, $sf = 1.7$

Lubrificazione

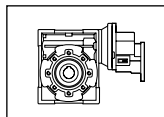
I motoriduttori della serie CM, CMP, CMM e CPMU sono forniti completi di lubrificante sintetico viscosità 320 a lunga durata, pertanto non necessitano di manutenzione.

Lubrication

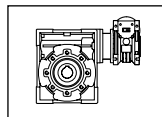
All unit sizes of CM, CMP, CMM and CPMU series are complete with a long life synthetic lubricant, viscosity 320 and do not require maintenance.



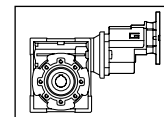
CM



CMP



CMM



CPMU

SHELL	AGIP	KLUBER	CASTROL	ESSO	MOBIL
Shell Omala S4 WE320	Tellium VSF320	Klubersynth GH 6 320	Alphasyn PG320	S320	Mobil Glygoyle HE 320

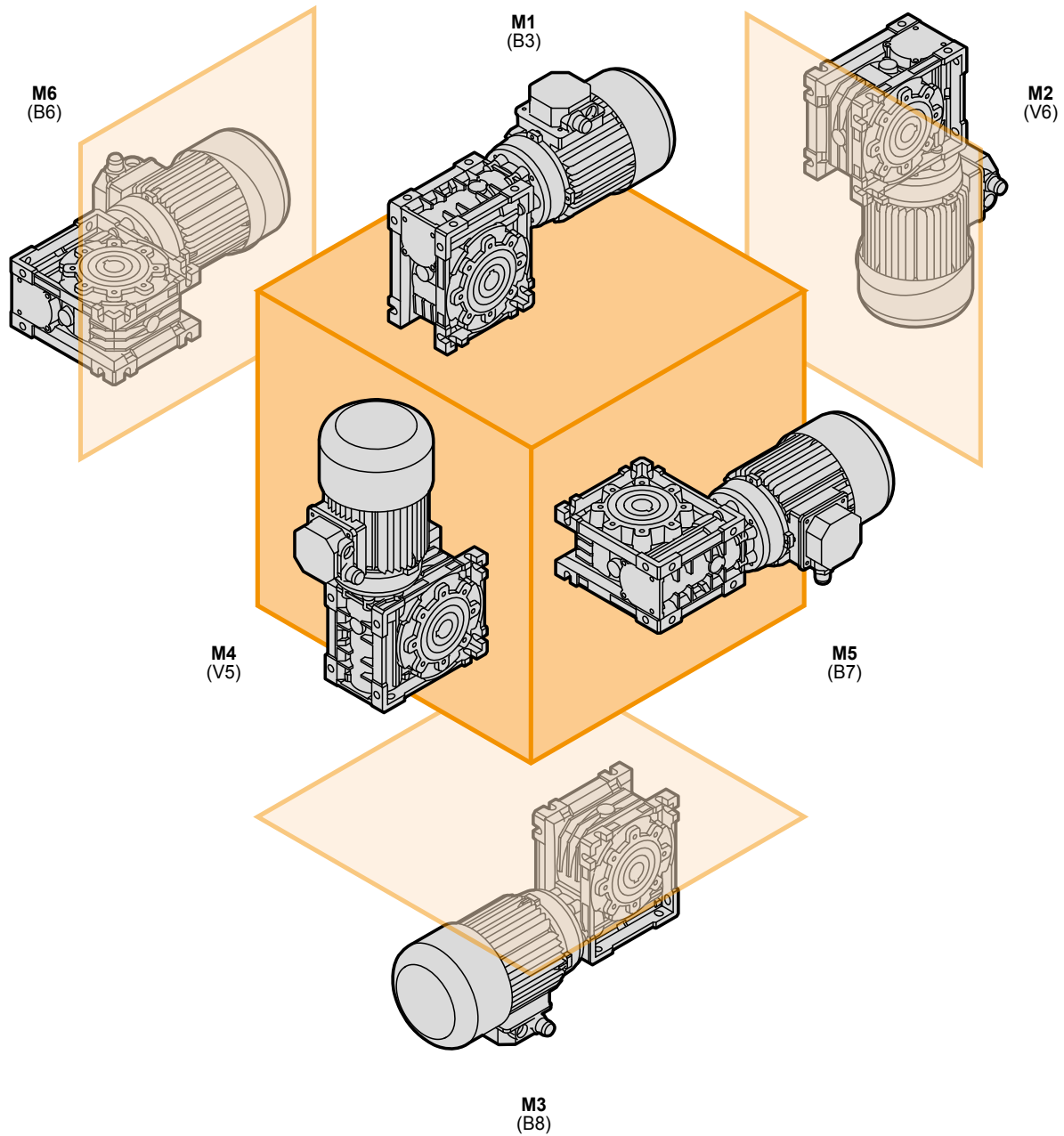
Nelle sezioni specifiche sono riportate le tabelle con le quantità indicative di lubrificante contenute e/o da immettere.

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.

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 <i>replace input oil seal with NBR</i>	usare paraoli in silicone (VMQ) <i>use silicone (VMQ) oil seals</i> usare lubrificante per basse temperature <i>use low temperature lubricant</i>	usare paraoli in Viton (FPM) <i>use Viton (FPM) oil seals</i> usare lubrificante per alte temperature <i>use high temperature lubricant</i>
CM063 - CM110				
CM130	dimezzare i carichi radiali in uscita <i>halve the output radial loads</i>			
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

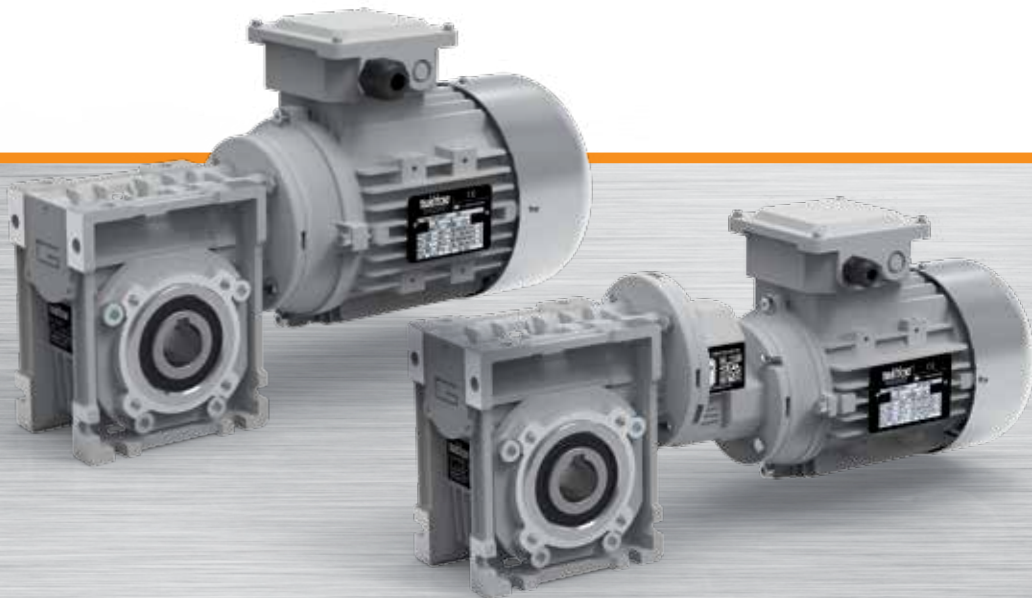
- utilizzo come moltiplicatore;
- utilizzo come argano di sollevamento;
- utilizzo in posizioni non previste a catalogo;
- utilizzo in ambiente con pressione diversa da quella atmosferica;
- utilizzo in ambiente con temperature $<-35^{\circ}\text{C}$ o $>+50^{\circ}\text{C}$

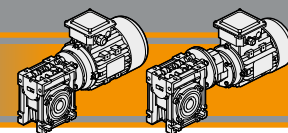
In these cases please contact the Technical Service

- *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 $<-35^{\circ}\text{C}$ or $>+50^{\circ}\text{C}$*



Motoriduttori a vite senza fine Wormgearmotors

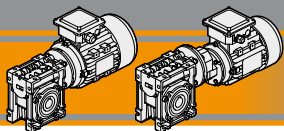




Indice	Index	Pag. Page
Caratteristiche tecniche	<i>Technical features</i>	B2
Designazione	<i>Classification</i>	B2
Sensi di rotazione	<i>Direction of rotation</i>	B3
Simbologia	<i>Symbols</i>	B3
Lubrificazione	<i>Lubrication</i>	B4
Carichi radiali	<i>Radial loads</i>	B5
Dati di dentatura	<i>Toothing data</i>	B6
Rendimento	<i>Efficiency</i>	B6
Dati tecnici	<i>Technical data</i>	B7
Motori applicabili	<i>IEC Motor adapters</i>	B24
Dimensioni	<i>Dimensions</i>	B26
Accessori	<i>Accessories</i>	B39
Opzioni	<i>Options</i>	B40

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**

*This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. **In this case the latest version is available on our web site www.transtecno.com***



CM/CMP Motoriduttori a vite senza fine Wormgearmotors

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.

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.

Le caratteristiche principali della serie CM e CMP sono:

Main features of CM and CMP range are:

- 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 alluminio;
- 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

RIDUTTORI A VITE SENZA FINE / WORMGEARBOXES

RIDUTTORE / GEARBOX

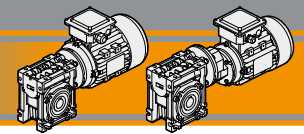
CM	050	U	10	71	B5	SZDX	BRSX	90	M1	VS
Tipo Type	Grandezza Size	Versione riduttore Gearbox Version	Rapporto Ratio	IEC 	Forma costruttiva Version	Albero di uscita Output shaft	Braccio di reazione Torque arm	Angolo Angle	Pos. di montaggio Mounting position	Opzioni Options
CM 	026 030 040 050 063 070 075 090 110 130	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

RIDUTTORI A VITE SENZA FINE CON PRECOPPIA / PRE-STAGE WORMGEARBOXES

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

P1 **P2** **P3** (standard) **P4**



Designazione

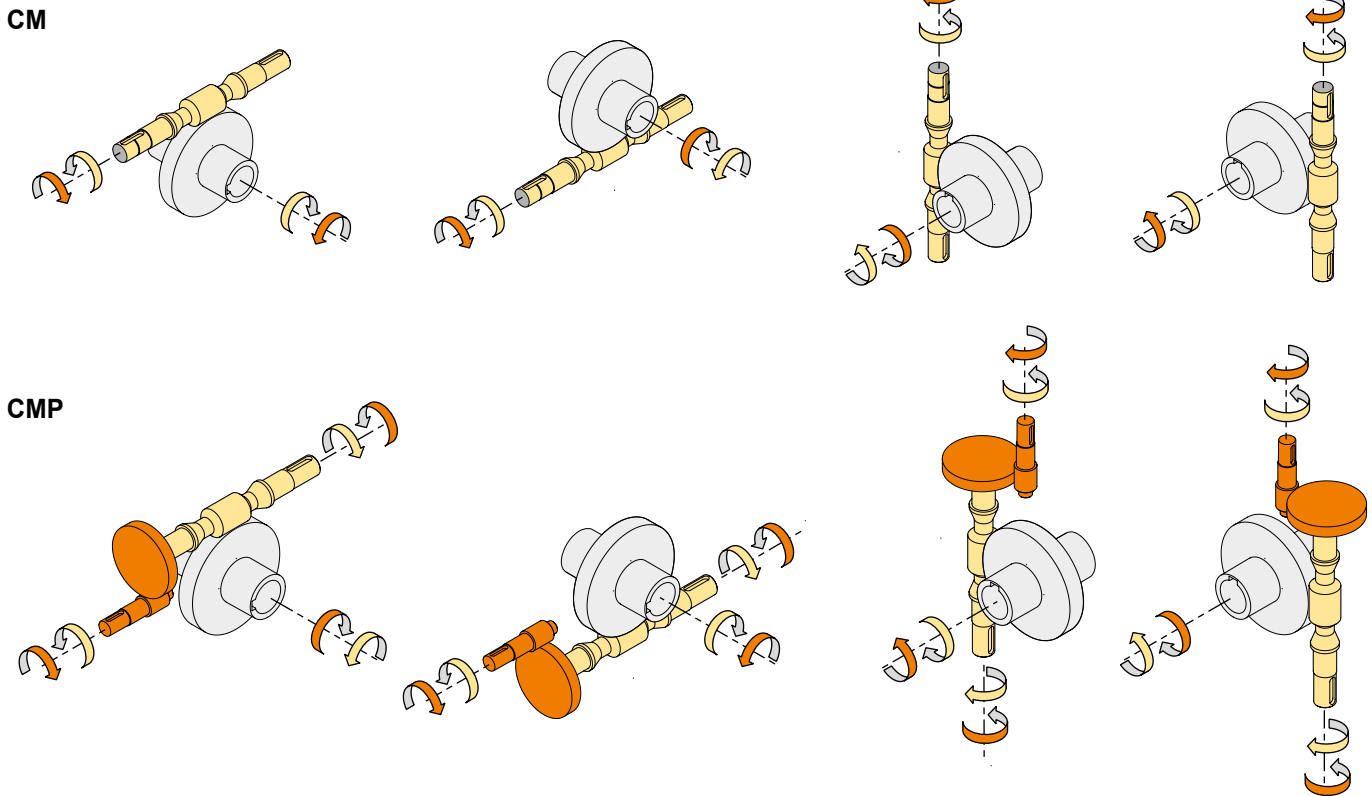
Classification

<p>Versione Riduttore Gearbox Version</p> <p>U FD FS FLD FLS FBD FBS</p>	<p>Albero di uscita Output shaft</p> <p>SZDX SZSX DZ</p>	<p>Braccio di reazione Torque arm</p> <p>BRDX BRSX</p>	<p>Angolo Angle</p>
-------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------	-------------------------

MOTORE CM / CM MOTOR					
0.75kW	4p	3ph	230/400V	50Hz	T1
Potenza Power	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsetti 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

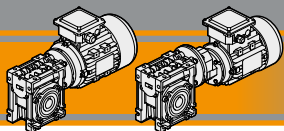


CM/CMP

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
P_{n1} [kW]	Potenza nominale in entrata / Nominal input power	Z	Numero di principi della vite / Worm starts
M_{n2} [Nm]	Coppia nominale in uscita in funzione di P_{n1} / Nominal output torque referred to P_{n1}	β	Angolo d'elica / Helix angle



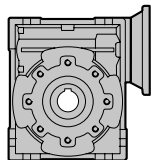
CM/CMP Motoriduttori a vite senza fine Wormgearmotors

Lubrificazione

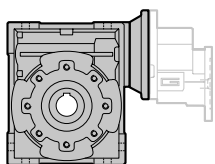
Lubrication

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

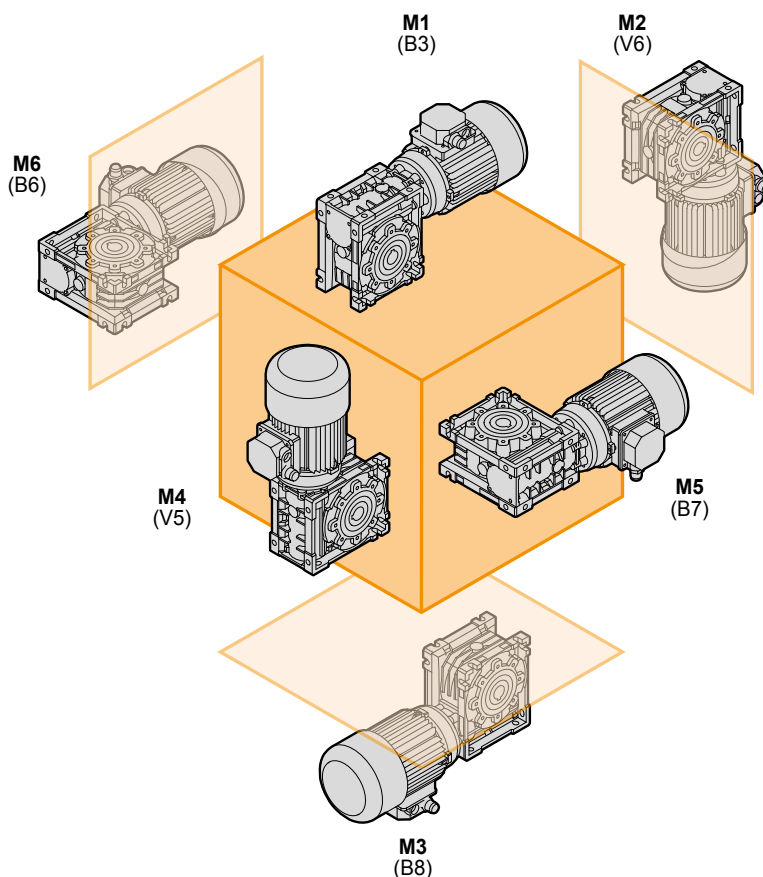
Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.



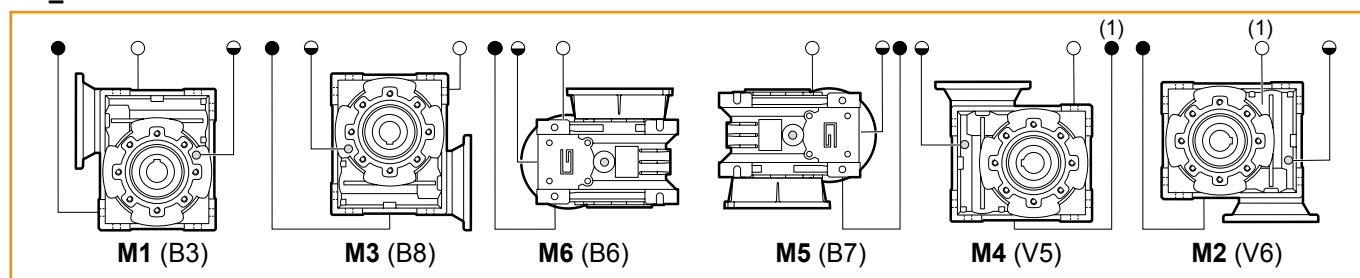
CM	Quantità di olio (litri) / Oil quantity (litres)					
	M1 (B3)	M3 (B8)	M6 (B6)	M5 (B7)	M4 (V5)	M2 (V6)
130	4.5	3.3	3.5	3.5	4.5	3.3



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

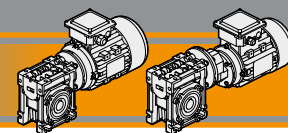


CM_CMP 130



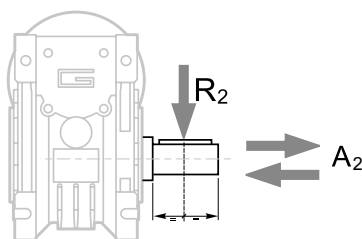
(1): Tappo in posizione posteriore / Plug in backside position

- Sfiato e tappo di riempimento / Breather and filling plug
- ◐ Livello olio / Oil level plug
- Tappo di scarico / Oil drain plug



Carichi radiali

Radial loads

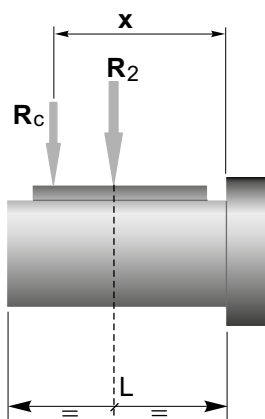


$$A_2 = R_2 \times 0.2$$

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 mezza-
ria 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	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	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	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	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	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'	

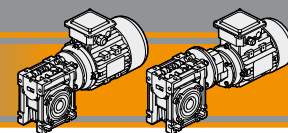
Rendimento

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


	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMIS026				
	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				
	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				
	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				
	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				
	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.

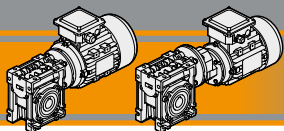
La potenza applicabile è ridotta del fattore termico.

Per maggiori dettagli consultare il nostro Servizio Tecnico.

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMIS070				
	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				
	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				
	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				
	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				
	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

Nota:

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.









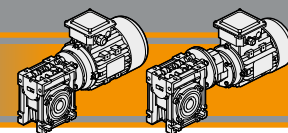
CM/CMP Motoriduttori a vite senza fine

Wormgearmotors

Dati tecnici







Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.06								0.09								
56A4 (1400 min ⁻¹)	280	2	7.3	5	CM026		B14	56A2 (2800 min ⁻¹)	31	17	1.6	90	CM030	CMP056/030	B14	
	187	3	5.4	7.5	CM026		B14		28	16	0.7	100		CMP056/030	B5/B14	
	140	3	4.1	10	CM026		B14		23	21	1.1	120		CMP056/030	B14	
	93	5	2.9	15	CM026		B14		19	24	0.9	150		CMP056/030	B14	
	70	6	2.3	20	CM026		B14		CM040	47	12	2.4		60	CMP056/040	B5/B14
	47	8	1.9	30	CM026		B14			47	13	3.4		60	CMP056/040	B14
	35	10	1.4	40	CM026		B14			37	16	2.8	75	CMP056/040	B14	
	28	12	1.1	50	CM026		B14			31	18	3.1	90	CMP056/040	B14	
	23	13	0.9	60	CM026		B14			23	22	2.2	120	CMP056/040	B14	
	19	19	1.4	75	CM030		B5/B14			19	26	1.8	150	CMP056/040	B14	
	187	3	7.7	7.5	CM030		B5/B14		16	29	1.5	180	CMP056/040	B14		
	140	3	6.1	10	CM030		B5/B14		12	33	1.2	240	CMP056/040	B14		
	93	5	4.3	15	CM030		B5/B14		9.3	37	1.0	300	CMP056/040	B14		
	70	6	3.1	20	CM030		B5/B14		56B4 (1400 min ⁻¹)	280	3	4.9	5	CM026		B14
	56	7	2.7	25	CM030		B5/B14			187	4	3.6	7.5	CM026		B14
	47	8	2.7	30	CM030		B5/B14			140	5	2.7	10	CM026		B14
	35	10	2.0	40	CM030		B5/B14			93	7	1.9	15	CM026		B14
	28	12	1.6	50	CM030		B5/B14			70	9	1.5	20	CM026		B14
23	14	1.3	60	CM030		B5/B14	47	12		1.2	30	CM026		B14		
23	16	1.6	60		CMP056/030	B14	35	15		0.9	40	CM026		B14		
19	19	1.4	75		CMP056/030	B14	28	17		0.7	50	CM026		B14		
18	16	1.0	80	CM030		B5/B14	CM030	280		3	6.8	5	CM030		B5/B14	
16	21	1.5	90		CMP056/030	B14		187		4	5.1	7.5	CM030		B5/B14	
14	18	0.8	100	CM030		B5/B14		140		5	4.1	10	CM030		B5/B14	
12	26	1.1	120		CMP056/030	B14		93		7	2.9	15	CM030		B5/B14	
9.3	29	0.9	150		CMP056/030	B14		70		9	2.1	20	CM030		B5/B14	
28	12	3.2	50	CM040		B5/B14		56		11	1.8	25	CM030		B5/B14	
23	14	2.5	60	CM040		B5/B14	47	12		1.8	30	CM030		B5/B14		
23	17	3.4	60		CMP056/040	B14	35	15		1.3	40	CM030		B5/B14		
19	20	2.6	75		CMP056/040	B14	28	18		1.1	50	CM030		B5/B14		
18	17	1.9	80	CM040		B5/B14	23	20		0.8	60	CM030		B5/B14		
16	23	3.1	90		CMP056/040	B14	23	24	1.1	60		CMP056/030	B14			
14	19	1.6	100	CM040		B5/B14	19	29	0.9	75		CMP056/030	B14			
12	28	2.2	120		CMP056/040	B14	18	24	0.6	80	CM030		B5/B14			
9.3	32	1.8	150		CMP056/040	B14	16	32	1.0	90		CMP056/030	B14			
7.8	35	1.5	180		CMP056/040	B14	12	38	0.8	120		CMP056/030	B14			
5.8	41	1.1	240		CMP056/040	B14	63A6 (900 min ⁻¹)	35	16	2.6	40	CM040		B5/B14		
4.7	46	0.9	300		CMP056/040	B14		28	18	2.1	50	CM040		B5/B14		
28	12	3.2	50	CM040		B5/B14		23	21	1.7	60	CM040		B5/B14		
23	14	2.5	60		CMP056/040	B14		23	25	2.3	60		CMP056/040	B14		
23	17	3.4	60		CMP056/040	B14		19	30	1.7	75		CMP056/040	B14		
19	20	2.6	75		CMP056/040	B14		18	26	1.3	80	CM040		B5/B14		
18	17	1.9	80	CM040		B5/B14		16	34	2.1	90		CMP056/040	B14		
16	23	3.1	90		CMP056/040	B14		14	28	1.1	100	CM040		B5/B14		
14	19	1.6	100	CM040		B5/B14		12	42	1.5	120		CMP056/040	B14		
12	28	2.2	120		CMP056/040	B14		9.3	48	1.2	150		CMP056/040	B14		
9.3	32	1.8	150		CMP056/040	B14		7.8	53	1.0	180		CMP056/040	B14		
7.8	35	1.5	180		CMP056/040	B14		5.8	62	0.8	240		CMP056/040	B14		
5.8	41	1.1	240		CMP056/040	B14		180	4	5.2	5	CM030		B5/B14		
4.7	46	0.9	300		CMP056/040	B14		120	6	4.0	7.5	CM030		B5/B14		
28	12	3.2	50	CM030		B5/B14		90	8	3.1	10	CM030		B5/B14		
23	14	2.5	60		CMP056/030	B14		60	11	2.3	15	CM030		B5/B14		
23	17	3.4	60		CMP056/030	B14		45	14	1.6	20	CM030		B5/B14		
19	20	2.6	75		CMP056/030	B14		36	16	1.4	25	CM030		B5/B14		
18	17	1.9	80	CM030		B5/B14	30	18	1.5	30	CM030		B5/B14			
16	23	3.1	90		CMP056/030	B14	23	22	1.0	40	CM030		B5/B14			
14	19	1.6	100		CMP056/030	B14	18	25	0.9	50	CM030		B5/B14			

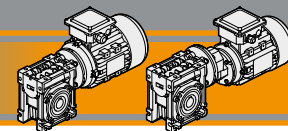


Dati tecnici

Technical data







P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i						
0.09								0.12										
63A6 (900 min ⁻¹)	45	14	3.2	20	CM040			56B2 (2800 min ⁻¹)	35	20	1.4	80	CM040			B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14		
	36	17	2.6	25	CM040				31	24	2.4	90	CM040	CMP056/040	B14			
	30	19	3.0	30	CM040				28	23	1.0	100	CM040		B5/B14			
	23	23	2.1	40	CM040				23	29	1.7	120		CMP056/040	B14			
	18	27	1.7	50	CM040				19	34	1.3	150		CMP056/040	B14			
	15	30	1.4	60	CM040				16	38	1.1	180		CMP056/040	B14			
	15	38	1.8	60		CMP063/040	B14		12	44	0.9	240		CMP056/040	B14			
	12	45	1.4	75		CMP063/040	B14											
	11	35	1.1	80	CM040				63A4 (1400 min ⁻¹)	280	4	5.1	5	CM030				B5/B14
	10	48	1.7	90		CMP063/040	B14		187	5	3.8	7.5	CM030				B5/B14	
	9	39	0.9	100	CM040				140	7	3.1	10	CM030				B5/B14	
	7.5	58	1.2	120		CMP063/040	B14		93	10	2.2	15	CM030				B5/B14	
									70	12	1.5	20	CM030				B5/B14	
	15	32	2.4	60	CM050				56	15	1.4	25	CM030				B5/B14	
	15	38	3.3	60		CMP063/050	B14		47	16	1.3	30	CM030				B5/B14	
	12	45	2.6	75		CMP063/050	B14		35	20	1.0	40	CM030				B5/B14	
	11	37	1.9	80	CM050				28	24	0.8	50	CM030				B5/B14	
	10	49	3.1	90		CMP063/050	B14											
	9	41	1.6	100	CM050				280	4	11.4	5	CM040				B5/B14	
	7.5	60	2.1	120		CMP063/050	B14		187	5	8.3	7.5	CM040				B5/B14	
6.0	67	1.8	150		CMP063/050	B14	140	7	6.5	10	CM040			B5/B14				
5.0	74	1.4	180		CMP063/050	B14	93	10	4.5	15	CM040			B5/B14				
3.8	85	1.1	240		CMP063/050	B14	70	13	3.1	20	CM040			B5/B14				
							56	15	2.5	25	CM040			B5/B14				
6.0	72	3.0	150		CMP063/063	B14	47	17	2.8	30	CM040			B5/B14				
5.0	79	2.5	180		CMP063/063	B14	35	21	2.0	40	CM040			B5/B14				
3.8	90	1.9	240		CMP063/063	B14	28	25	1.6	50	CM040			B5/B14				
3.0	101	1.5	300		CMP063/063	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				

CM/CMP



Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
------------------------	----------------------------------------	------------------------	----	---	-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------	-----------------------------------------------------------------------------------	------------------------	----------------------------------------	------------------------	----	---	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------

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	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	CM063			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

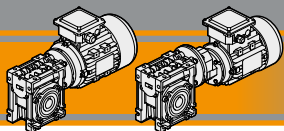
0.25

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

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

CM/CMP









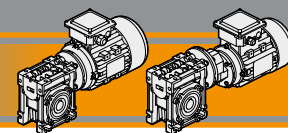
CM/CMP Motoriduttori a vite senza fine

Wormgearmotors

Dati tecnici







Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i						
0.25								0.25										
63B2 (2800 min ⁻¹)	70	25	2.3	40	CM050			71A4 (1400 min ⁻¹)	18	82	2.4	80	CM075			B5		
	56	30	1.9	50	CM050				16	101	4.0	90	CM075	CMP071/075			B14	
	47	35	1.5	60	CM050				14	96	1.9	100	CM075				B5	
	47	38	2.1	60		CMP063/050	B14		12	124	2.9	120		CMP071/075			B14	
	37	45	1.7	75		CMP063/050	B14		9.3	145	2.3	150		CMP071/075			B14	
	35	42	1.1	80	CM050				7.8	162	1.9	180		CMP071/075			B14	
	31	51	1.9	90	CM050	CMP063/050	B14		5.8	193	1.4	240		CMP071/075			B14	
	28	49	0.9	100	CM050				4.7	216	1.1	300		CMP071/075			B14	
	23	62	1.4	120		CMP063/050	B14											
	19	74	1.1	150		CMP063/050	B14		7.8	177	2.8	180		CMP071/090			B14	
	16	83	0.9	180		CMP063/050	B14		5.8	209	2.2	240		CMP071/090			B14	
									4.7	236	1.7	300		CMP071/090			B14	
	35	44	2.0	80	CM063													B5
	31	53	3.5	90	CM063	CMP063/063	B14		71B6 (900 min ⁻¹)	180	11	4.1	5	CM040				B5/B14
	28	51	1.6	100	CM063				120	17	3.1	7.5	CM040					B5/B14
	23	65	2.5	120		CMP063/063	B14		90	22	2.4	10	CM040					B5/B14
	19	76	2.0	150		CMP063/063	B14		60	31	1.8	15	CM040					B5/B14
	16	87	1.6	180		CMP063/063	B14		45	39	1.1	20	CM040					B5/B14
12	104	1.2	240		CMP063/063	B14	36	46	0.9	25	CM040					B5/B14		
9.3	118	1.0	300		CMP063/063	B14	30	53	1.1	30	CM040					B5/B14		
							23	64	0.8	40	CM040						B5/B14	
71A4 (1400 min ⁻¹)	280	8	5.5	5	CM040												B5/B14	
	187	11	4.0	7.5	CM040			45	40	2.0	20	CM050					B5/B14	
	140	14	3.1	10	CM040			36	48	1.6	25	CM050					B5/B14	
	93	21	2.2	15	CM040			30	54	1.8	30	CM050					B5/B14	
	70	27	1.5	20	CM040			23	66	1.3	40	CM050					B5/B14	
	56	32	1.2	25	CM040			18	78	1.0	50	CM050					B5/B14	
	47	36	1.3	30	CM040			15	88	0.9	60	CM050					B5/B14	
	35	44	0.9	40	CM040			15	105	1.2	60		CMP071/050			B14		
								12	123	0.9	75		CMP071/050			B14		
	70	27	2.7	20	CM050			10	136	1.1	90		CMP071/050			B14		
	56	32	2.2	25	CM050													
	47	37	2.4	30	CM050			23	69	2.3	40	CM063				B5/B14		
	35	46	1.7	40	CM050			18	81	1.9	50	CM063				B5/B14		
	28	54	1.3	50	CM050			15	92	1.5	60	CM063				B5/B14		
	23	61	1.1	60	CM050			15	108	2.1	60		CMP071/063			B14		
	23	71	1.4	60		CMP071/050	B14	12	127	1.7	75		CMP071/063			B14		
	19	84	1.1	75		CMP071/050	B14	11	110	1.2	80	CM063				B5/B14		
	18	74	0.8	80	CM050			10	140	2.0	90		CMP071/063			B14		
	16	98	1.3	90		CMP071/050	B14	9	125	1.0	100	CM063				B5/B14		
								7.5	172	1.4	120		CMP071/063			B14		
	28	56	2.4	50	CM063			6.0	199	1.1	150		CMP071/063			B14		
	23	64	2.0	60	CM063			5.0	220	0.9	180		CMP071/063			B14		
	23	73	2.6	60		CMP071/063	B14											
	19	88	2.0	75		CMP071/063	B14	18	84	2.6	50	CM070				B5		
	18	78	1.5	80	CM063			15	96	2.2	60	CM070				B5		
	16	96	2.4	90		CMP071/063	B14	11	115	1.6	80	CM070				B5		
	14	89	1.3	100	CM063			10	145	2.9	90		CMP071/070			B14		
	12	120	1.7	120		CMP071/063	B14	9	130	1.3	100	CM070				B5		
	9.3	143	1.3	150		CMP071/063	B14	7.5	178	2.0	120		CMP071/070			B14		
	7.8	159	1.1	180		CMP071/063	B14	6.0	207	1.5	150		CMP071/070			B14		
								5.0	229	1.3	180		CMP071/070			B14		
	18	82	1.9	80	CM070			3.8	268	0.9	240		CMP071/070			B14		
	16	99	3.1	90		CMP071/070	B14	3.0	296	0.8	300		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											



Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
0.25								0.37							
71B6 (900 min ⁻¹)	15	96	2.6	60	CM075		B5	71A2 (2800 min ⁻¹)	16	142	2.9	180		CMP071/090	B14
	11	117	1.9	80	CM075		B5		12	175	2.2	240		CMP071/090	B14
	10	147	3.1	90		CMP071/075	B14		9.3	200	1.7	300		CMP071/090	B14
	9	133	1.5	100	CM075		B5								
	7.5	181	2.4	120		CMP071/075	B14	71B4 (1400 min ⁻¹)	280	11	3.7	5	CM040		B5/B14
	6.0	211	1.8	150		CMP071/075	B14		187	16	2.7	7.5	CM040		B5/B14
	5.0	234	1.5	180		CMP071/075	B14		140	21	2.1	10	CM040		B5/B14
	3.8	268	1.1	240		CMP071/075	B14		93	31	1.5	15	CM040		B5/B14
	3.0	296	0.9	300		CMP071/075	B14		70	39	1.0	20	CM040		B5/B14
									56	47	0.8	25	CM040		B5/B14
	6.0	222	2.9	150		CMP071/090	B14		47	53	0.9	30	CM040		B5/B14
	5.0	253	2.3	180		CMP071/090	B14								
	3.8	293	1.7	240		CMP071/090	B14		93	31	2.6	15	CM050		B5/B14
	3.0	335	1.4	300		CMP071/090	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

CM/CMP









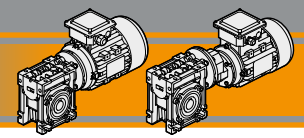
CM/CMP Motoriduttori a vite senza fine

Wormgearmotors

Dati tecnici







Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.37								0.55							
71B4 (1400 min ⁻¹)	18	129	2.5	80	CM090		B5	71B2 (2800 min ⁻¹)	560	8	3.4	5	CM040		B5/B14
	14	151	2.0	100	CM090		B5		373	13	2.5	7.5	CM040		B5/B14
	12	193	3.2	120		CMP071/090	B14		280	16	2.0	10	CM040		B5/B14
	9.3	226	2.4	150		CMP071/090	B14		187	24	1.5	15	CM040		B5/B14
	7.8	263	1.9	180		CMP071/090	B14		140	31	1.0	20	CM040		B5/B14
	5.8	309	1.5	240		CMP071/090	B14		140	32	1.7	20	CM050		B5/B14
	4.7	349	1.2	300		CMP071/090	B14		112	38	1.3	25	CM050		B5/B14
80A6 (900 min ⁻¹)	180	17	5.2	5	CM050		B5/B14		93	44	1.5	30	CM050		B5/B14
	120	25	3.7	7.5	CM050		B5/B14		70	56	1.1	40	CM050		B5/B14
	90	33	2.9	10	CM050		B5/B14		56	67	0.9	50	CM050		B5/B14
	60	47	2.0	15	CM050		B5/B14								
	45	59	1.4	20	CM050		B5/B14		47	83	1.0	60		CMP071/050	B14
	36	71	1.1	25	CM050		B5/B14		37	99	0.8	75		CMP071/050	B14
	30	80	1.2	30	CM050		B5/B14		31	113	0.9	90		CMP071/050	B14
	45	61	2.5	20	CM063		B5/B14		70	57	2.0	40	CM063		B5/B14
	36	74	1.9	25	CM063		B5/B14		56	68	1.5	50	CM063		B5/B14
	30	82	2.3	30	CM063		B5/B14		47	79	1.2	60	CM063		B5/B14
	23	102	1.6	40	CM063		B5/B14		47	86	1.8	60		CMP071/063	B14
	18	120	1.3	50	CM063		B5/B14		37	103	1.3	75		CMP071/063	B14
	15	137	1.0	60	CM063		B5/B14		35	98	0.9	80	CM063		B5/B14
	15	159	1.4	60		CMP080/063	B14		31	116	1.6	90		CMP071/063	B14
	12	188	1.1	75		CMP080/063	B14		23	143	1.1	120		CMP071/063	B14
	10	208	1.4	90		CMP080/063	B14		19	168	0.9	150		CMP071/063	B14
	23	105	2.3	40	CM070		B5/B14		47	81	1.8	60	CM070		B5
	18	124	1.7	50	CM070		B5/B14		47	87	2.6	60		CMP071/070	B14
	15	141	1.5	60	CM070		B5/B14		37	106	1.9	75		CMP071/070	B14
	15	164	2.1	60		CMP080/070	B14		35	101	1.3	80	CM070		B5
	12	193	1.6	75		CMP080/070	B14		31	119	2.3	90		CMP071/070	B14
	11	170	1.1	80	CM070		B5/B14		28	118	1.0	100	CM070		B5
	10	215	1.9	90		CMP080/070	B14		23	148	1.6	120		CMP071/070	B14
	7.5	263	1.4	120		CMP080/070	B14		19	174	1.2	150		CMP071/070	B14
	6.0	306	1.0	150		CMP080/070	B14		16	199	1.1	180		CMP071/070	B14
	18	126	2.1	50	CM075		B5/B14		12	238	0.8	240		CMP071/070	B14
	15	141	1.8	60	CM075		B5/B14		47	81	2.1	60	CM075		B5
	15	164	2.5	60		CMP080/075	B14		47	87	3.2	60		CMP071/075	B14
	12	196	1.9	75		CMP080/075	B14		37	106	2.3	75		CMP071/075	B14
	11	173	1.3	80	CM075		B5/B14		35	101	1.5	80	CM075		B5
	10	215	2.3	90		CMP080/075	B14		31	121	2.7	90		CMP071/075	B14
	9	196	1.0	100	CM075		B5/B14		28	118	1.2	100	CM075		B5
	7.5	268	1.6	120		CMP080/075	B14		23	150	1.9	120		CMP071/075	B14
	11	188	2.0	80	CM090		B5/B14		19	176	1.5	150		CMP071/075	B14
	10	229	3.7	90		CMP080/090	B14		16	199	1.3	180		CMP071/075	B14
	9	216	1.6	100	CM090		B5/B14		12	243	0.9	240		CMP071/075	B14
	7.5	282	2.6	120		CMP080/090	B14		35	107	2.4	80	CM090		B5
	6.0	329	2.0	150		CMP080/090	B14		28	126	1.8	100	CM090		B5
	5.0	374	1.5	180		CMP080/090	B14		23	157	3.2	120		CMP071/090	B14
	6.0	346	3.4	150		CMP080/110	B14		19	188	2.4	150		CMP071/090	B14
	5.0	402	2.5	180		CMP080/110	B14		16	212	2.0	180		CMP071/090	B14
	3.8	480	1.8	240		CMP080/110	B14		12	260	1.4	240		CMP071/090	B14
	3.0	543	1.4	300		CMP080/110	B14		9.3	298	1.1	300		CMP071/090	B14
	3.8	471	2.4	240		CMP080/130	B14								
	3.0	554	1.8	300		CMP080/130	B14								

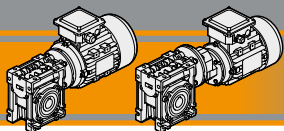


Dati tecnici

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.55								0.55							
71C4 (1400 min ⁻¹)	280	17	2.5	5	CM040		B5/B14	80A4 (1400 min ⁻¹)	280	17	4.5	5	CM050		B5/B14
	187	24	1.8	7.5	CM040		B5/B14		187	24	3.2	7.5	CM050		B5/B14
	140	32	1.4	10	CM040		B5/B14		140	32	2.6	10	CM050		B5/B14
	93	46	1.0	15	CM040		B5/B14		93	46	1.8	15	CM050		B5/B14
	140	32	2.6	10	CM050		B5/B14		70	59	1.2	20	CM050		B5/B14
	93	46	1.8	15	CM050		B5/B14		56	71	1.0	25	CM050		B5/B14
	70	59	1.2	20	CM050		B5/B14		47	81	1.1	30	CM050		B5/B14
	56	71	1.0	25	CM050		B5/B14		70	61	2.2	20	CM063		B5/B14
	47	81	1.1	30	CM050		B5/B14		56	73	1.8	25	CM063		B5/B14
	35	101	0.8	40	CM050		B5/B14		47	84	2.0	30	CM063		B5/B14
	70	61	2.2	20	CM063		B5/B14		35	105	1.4	40	CM063		B5/B14
	56	73	1.8	25	CM063		B5/B14		28	124	1.1	50	CM063		B5/B14
	47	84	2.0	30	CM063		B5/B14		23	142	0.9	60	CM063		B5/B14
	35	105	1.4	40	CM063		B5/B14		23	161	1.2	60	CM063	CMP080/063	B14
	28	124	1.1	50	CM063		B5/B14		19	193	0.9	75	CM063	CMP080/063	B14
	23	142	0.9	60	CM063		B5/B14		16	212	1.1	90	CM063	CMP080/063	B14
	23	161	1.2	60		CMP071/063	B14		56	75	2.4	25	CM070		B5/B14
	19	193	0.9	75		CMP071/063	B14		35	108	1.9	40	CM070		B5/B14
	16	212	1.1	90		CMP071/063	B14		28	128	1.5	50	CM070		B5/B14
	12	265	0.8	120		CMP071/063	B14		23	146	1.2	60	CM070		B5/B14
	56	75	2.4	25	CM070		B5		23	163	1.7	60		CMP080/070	B14
	35	108	1.9	40	CM070		B5		19	196	1.3	75		CMP080/070	B14
	28	128	1.5	50	CM070		B5		18	180	0.9	80	CM070		B5/B14
	23	146	1.2	60	CM070		B5		16	218	1.6	90		CMP080/070	B14
	23	163	1.7	60		CMP071/070	B14		12	269	1.1	120		CMP080/070	B14
	19	196	1.3	75		CMP071/070	B14		35	110	2.3	40	CM075		B5/B14
	18	180	0.9	80	CM070		B5		28	129	1.8	50	CM075		B5/B14
	16	218	1.6	90		CMP071/070	B14		23	149	1.5	60	CM075		B5/B14
	12	269	1.1	120		CMP071/070	B14		23	165	2.0	60		CMP080/075	B14
	9.3	314	0.9	150		CMP071/070	B14		19	199	1.5	75		CMP080/075	B14
	35	110	2.3	40	CM075		B5		18	180	1.1	80	CM075		B5/B14
	28	129	1.8	50	CM075		B5		16	222	1.8	90		CMP080/075	B14
	23	149	1.5	60	CM075		B5		14	210	0.9	100	CM075		B5/B14
	23	165	2.0	60		CMP071/075	B14		12	274	1.3	120		CMP080/075	B14
	19	199	1.5	75		CMP071/075	B14		9	320	1.0	150		CMP080/075	B14
	18	180	1.1	80	CM075		B5		23	158	2.2	60	CM090		B5/B14
	16	222	1.8	90		CMP071/075	B14		18	192	1.7	80	CM090		B5/B14
	14	210	0.9	100	CM075		B5		16	232	3.0	90		CMP080/090	B14
	12	274	1.3	120		CMP071/075	B14		14	225	1.3	100	CM090		B5/B14
	9.3	320	1.0	150		CMP071/075	B14		12	287	2.2	120		CMP080/090	B14
	7.8	357	0.9	180		CMP071/075	B14		9.3	336	1.6	150		CMP080/090	B14
	18	192	1.7	80	CM090		B5		7.8	390	1.3	180		CMP080/090	B14
	16	232	3.0	90		CMP071/090	B14		3.8	459	1.0	240		CMP080/090	B14
	14	225	1.3	100	CM090		B5		18	204	2.8	80	CM110		B5
	12	287	2.2	120		CMP071/090	B14		14	240	2.2	100	CM110		B5
	9.3	336	1.6	150		CMP071/090	B14		9.3	358	2.8	150		CMP080/110	B14
	7.8	390	1.3	180		CMP071/090	B14		7.8	410	2.2	180		CMP080/110	B14
	5.8	459	1.0	240		CMP071/090	B14		5.8	503	1.5	240		CMP080/110	B14
	4.7	574	1.2	300		CMP071/090	B14		4.7	574	1.2	300		CMP080/110	B14
	7.8	424	2.6	180					7.8	424	2.6	180		CMP080/130	B14
	5.8	512	1.9	240					5.8	512	1.9	240		CMP080/130	B14
	4.7	585	1.5	300					4.7	585	1.5	300		CMP080/130	B14

CM/CMP









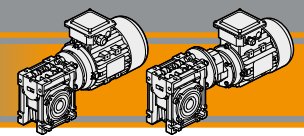
CM/CMP Motoriduttori a vite senza fine

Wormgearmotors

Dati tecnici







Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.55								0.75							
80B6 (900 min ⁻¹)	180	26	3.4	5	CM050		B5/B14	80A2 (2800 min ⁻¹)	560	12	4.6	5	CM050		B5/B14
	120	37	2.5	7.5	CM050		B5/B14		373	17	3.3	7.5	CM050		B5/B14
	90	49	1.9	10	CM050		B5/B14		280	23	2.7	10	CM050		B5/B14
	60	69	1.4	15	CM050		B5/B14		187	33	1.9	15	CM050		B5/B14
	45	88	0.9	20	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
	60	71	2.5	15	CM063		B5/B14								
	45	91	1.7	20	CM063		B5/B14								
	36	109	1.3	25	CM063		B5/B14		140	43	2.4	20	CM063		B5/B14
	30	123	1.5	30	CM063		B5/B14		112	53	1.8	25	CM063		B5/B14
	23	152	1.1	40	CM063		B5/B14		93	61	2.1	30	CM063		B5/B14
	18	178	0.8	50	CM063		B5/B14		70	78	1.4	40	CM063		B5/B14
	15	237	1.0	60		CMP080/063	B14		56	93	1.1	50	CM063		B5/B14
	12	279	0.8	75		CMP080/063	B14		47	107	0.9	60	CM063		B5/B14
	10	309	0.9	90		CMP080/063	B14								
									47	117	1.3	60		CMP080/063	B14
	45	92	2.5	20	CM070		B5/B14		37	141	1.0	75		CMP080/063	B14
	36	112	1.8	25	CM070		B5/B14		31	158	1.2	90		CMP080/063	B14
	30	126	2.2	30	CM070		B5/B14								
	23	156	1.5	40	CM070		B5/B14		56	96	1.6	50	CM070		B5/B14
	18	184	1.2	50	CM070		B5/B14		47	111	1.3	60	CM070		B5/B14
	15	210	1.0	60	CM070		B5/B14		47	119	1.9	60		CMP080/070	B14
	15	244	1.4	60		CMP080/070	B14		37	145	1.4	75		CMP080/070	B14
	12	287	1.1	75		CMP080/070	B14		35	139	0.9	80	CM070		B5/B14
	10	319	1.3	90		CMP080/070	B14		31	162	1.7	90		CMP080/070	B14
	7.5	391	0.9	120		CMP080/070	B14		23	202	1.2	120		CMP080/070	B14
									70	80	2.5	40	CM075		B5/B14
	36	112	2.2	25	CM075		B5/B14		56	96	1.9	50	CM075		B5/B14
	30	128	2.6	30	CM075		B5/B14		47	111	1.5	60	CM075		B5/B14
	23	159	1.8	40	CM075		B5/B14		47	119	2.3	60		CMP080/075	B14
	18	187	1.4	50	CM075		B5/B14		37	145	1.7	75		CMP080/075	B14
	15	214	1.2	60	CM075		B5/B14		35	139	1.1	80	CM075		B5/B14
	15	244	1.7	60		CMP080/075	B14		31	165	2.0	90		CMP080/075	B14
	12	292	1.3	75		CMP080/075	B14		28	161	0.9	100	CM075		B5/B14
	11	257	0.9	80	CM075		B5/B14		23	205	1.4	120		CMP080/075	B14
	10	319	1.6	90		CMP080/075	B14		19	241	1.1	150		CMP080/075	B14
	7.5	398	1.1	120		CMP080/075	B14								
	6.0	463	0.8	150		CMP080/075	B14		47	115	2.4	60	CM090		B5/B14
									35	145	1.8	80	CM090		B5/B14
	15	228	1.8	60	CM090		B5/B14		31	171	3.3	90		CMP080/090	B14
	15	254	2.8	60		CMP080/090	B14		28	171	1.3	100	CM090		B5/B14
	12	305	2.1	75		CMP080/090	B14		23	214	2.3	120		CMP080/090	B5/B14
	11	280	1.4	80	CM090		B5/B14		19	256	1.7	150		CMP080/090	B14
	10	340	2.5	90		CMP080/090	B14		16	289	1.4	180		CMP080/090	B14
	9	321	1.1	100	CM090		B5/B14		12	355	1.1	240		CMP080/090	B14
	7.5	419	1.8	120		CMP080/090	B14								
	6.0	489	1.3	150		CMP080/090	B14		28	179	2.2	100	CM110		B5
	5.0	556	1.0	180		CMP080/090	B14		19	271	3.0	150		CMP080/110	B14
	3.8	645	0.8	240		CMP080/090	B14		16	307	2.4	180		CMP080/110	B14
									12	379	1.7	240		CMP080/110	B14
	11	294	2.2	80	CM110		B5		9.3	444	1.3	300		CMP080/110	B14
	9	344	1.7	100	CM110		B5								
	7.5	439	3.0	120		CMP080/110	B14		16	316	2.9	180		CMP080/130	B14
	6.0	515	2.3	150		CMP080/110	B14		12	385	2.2	240		CMP080/130	B14
	5.0	597	1.7	180		CMP080/110	B14		9.3	444	1.7	300		CMP080/130	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								

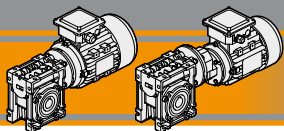


Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
0.75								0.75							
80B4 (1400 min ⁻¹)	280	23	3.3	5	CM050		B5/B14	80B4 (1400 min ⁻¹)	7.8	560	1.6	180		CMP080/110	B14
	187	33	2.4	7.5	CM050		B5/B14		5.8	686	1.1	240		CMP080/110	B14
	140	43	1.9	10	CM050		B5/B14		4.7	782	0.9	300		CMP080/110	B14
	93	63	1.3	15	CM050		B5/B14						CM130		B5
	70	81	0.9	20	CM050		B5/B14		14	327	2.2	100			
	56	97	0.7	25	CM050		B5/B14		9.3	504	2.4	150		CMP080/130	B14
	47	111	0.8	30	CM050		B5/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
	93	64	2.4	15	CM063		B5/B14	90S6 (900 min ⁻¹)	180	35	4.6	5	CM063		B5/B14
	70	83	1.6	20	CM063		B5/B14		120	51	3.3	7.5	CM063		B5/B14
	56	100	1.4	25	CM063		B5/B14		90	67	2.6	10	CM063		B5/B14
	47	115	1.4	30	CM063		B5/B14		60	97	1.8	15	CM063		B5/B14
	35	143	1.0	40	CM063		B5/B14		60	97	1.8	15	CM063		B5/B14
	28	169	0.8	50	CM063		B5/B14		45	124	1.2	20	CM063		B5/B14
	23	220	0.9	60		CMP080/063	B14		36	149	0.9	25	CM063		B5/B14
	19	263	0.7	75		CMP080/063	B14		30	167	1.1	30	CM063		B5/B14
	16	289	0.8	90		CMP080/063	B14								
	70	85	2.4	20	CM070		B5/B14		45	127	1.8	20	CM070		B5/B14
	56	102	1.8	25	CM070		B5/B14		36	153	1.3	25	CM070		B5/B14
	47	118	2.1	30	CM070		B5/B14		30	174	1.6	30	CM070		B5/B14
	35	149	1.4	40	CM070		B5/B14		30	174	1.6	30	CM070		B5/B14
	28	177	1.1	50	CM070		B5/B14		23	216	1.1	40	CM070		B5/B14
	23	203	0.9	60	CM070		B5/B14		15	332	1.0	60		CMP090/070	B5/B14
	23	223	1.3	60		CMP080/070	B14		12	392	0.8	75		CMP090/070	B5/B14
	19	267	0.9	75		CMP080/070	B14		10	435	1.0	90		CMP090/070	B5/B14
	16	298	1.1	90		CMP080/070	B14		8	533	0.7	120		CMP090/070	B5/B14
	12	367	0.8	120		CMP080/070	B14								
	70	85	2.8	20	CM075		B5/B14		60	98	2.6	15	CM075		B5/B14
	56	102	2.2	25	CM075		B5/B14		45	127	2.2	20	CM075		B5/B14
	47	118	2.4	30	CM075		B5/B14		36	153	1.6	25	CM075		B5/B14
	35	149	1.7	40	CM075		B5/B14		30	174	1.9	30	CM075		B5/B14
	28	177	1.3	50	CM075		B5/B14		23	216	1.3	40	CM075		B5/B14
	23	203	1.1	60	CM075		B5/B14		18	251	0.9	50	CM075		B5/B14
	23	226	1.5	60		CMP080/075	B14		15	332	1.2	60		CMP090/075	B5/B14
	19	271	1.1	75		CMP080/075	B14		12	398	0.9	75		CMP090/075	B5/B14
	18	246	0.8	80	CM075		B5/B14		10	435	1.1	90		CMP090/075	B5/B14
	16	302	1.3	90		CMP080/075	B14		8	543	0.8	120		CMP090/075	B5/B14
	12	373	1.0	120		CMP080/075	B14								
	9	436	0.8	150		CMP080/075	B14		23	229	2.2	40	CM090		B5/B14
	35	156	2.8	40	CM090		B5/B14		18	271	1.6	50	CM090		B5/B14
	28	184	2.1	50	CM090		B5/B14		15	310	1.4	60	CM090		B5/B14
	23	212	1.6	60	CM090		B5/B14		11	376	1.0	80	CM090		B5/B14
	23	235	2.4	60		CMP080/090	B14		15	346	2.1	60		CMP090/090	B5/B14
	19	282	1.8	75		CMP080/090	B14		12	415	1.5	75		CMP090/090	B5/B14
	18	262	1.2	80	CM090		B5/B14		10	463	1.8	90		CMP090/090	B5/B14
	16	316	2.2	90		CMP080/090	B14		8	571	1.3	120		CMP090/090	B5/B14
	14	307	1.0	100	CM090		B5/B14		6	667	1.0	150		CMP090/090	B5/B14
	12	391	1.6	120		CMP080/090	B14		5	758	0.8	180		CMP090/090	B5/B14
	9.3	459	1.2	150		CMP080/090	B14								
	7.8	535	0.9	180		CMP080/090	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	CM110		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

CM/CMP









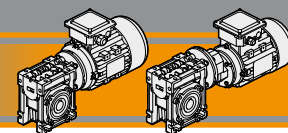
CM/CMP Motoriduttori a vite senza fine

Wormgearmotors

Dati tecnici







Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.75								1.1							
90S6 (900 min ⁻¹)	6	714	2.1	150		CMP090/130	B5/B14	80C4 (1400 min ⁻¹)	280	33	2.2	5	CM050		B5/B14
	5	800	1.7	180		CMP090/130	B5/B14	187	49	1.6	7.5	CM050		B5/B14	
	4	955	1.3	240		CMP090/130	B5/B14	140	64	1.3	10	CM050		B5/B14	
	3	1123	1.0	300		CMP090/130	B5/B14	93	92	0.9	15	CM050		B5/B14	
1.1								1.1							
80B2 (2800 min ⁻¹)	560	17	3.2	5	CM050		B5/B14	280	34	4.0	5	CM063		B5/B14	
	373	25	2.3	7.5	CM050		B5/B14	187	50	2.9	7.5	CM063		B5/B14	
	280	33	1.8	10	CM050		B5/B14	140	65	2.3	10	CM063		B5/B14	
	187	48	1.3	15	CM050		B5/B14	93	95	1.6	15	CM063		B5/B14	
	140	63	0.9	20	CM050		B5/B14	70	122	1.1	20	CM063		B5/B14	
	187	48	2.4	15	CM063		B5/B14	56	146	0.9	25	CM063		B5/B14	
	140	63	1.6	20	CM063		B5/B14	47	169	1.0	30	CM063		B5/B14	
	112	78	1.2	25	CM063		B5/B14	70	125	1.6	20	CM070		B5/B14	
	93	89	1.4	30	CM063		B5/B14	56	150	1.2	25	CM070		B5/B14	
	70	114	1.0	40	CM063		B5/B14	47	173	1.4	30	CM070		B5/B14	
	47	172	0.9	60		CMP080/063	B14	35	219	1.0	40	CM070		B5/B14	
	37	207	0.7	75		CMP080/063	B14	23	326	0.9	60		CMP080/070	B14	
	31	232	0.8	90		CMP080/063	B14	16	437	0.8	90		CMP080/070	B14	
	112	79	1.7	25	CM070		B5/B14	70	125	1.9	20	CM075		B5/B14	
	70	117	1.4	40	CM070		B5/B14	56	150	1.5	25	CM075		B5/B14	
	56	141	1.1	50	CM070		B5/B14	47	173	1.7	30	CM075		B5/B14	
	47	162	0.9	60	CM070		B5/B14	35	219	1.1	40	CM075		B5/B14	
	47	174	1.3	60		CMP080/070	B14	28	259	0.9	50	CM075		B5/B14	
	37	212	1.0	75		CMP080/070	B14	23	331	1.0	60		CMP080/075	B14	
	31	238	1.2	90		CMP080/070	B14	19	397	0.8	75		CMP080/075	B14	
	23	296	0.8	120		CMP080/070	B14	16	443	0.9	90		CMP080/075	B14	
	93	91	2.4	30	CM075		B5/B14	35	228	1.9	40	CM090		B5/B14	
	70	117	1.7	40	CM075		B5/B14	28	270	1.4	50	CM090		B5/B14	
	56	141	1.3	50	CM075		B5/B14	23	311	1.1	60	CM090		B5/B14	
	47	162	1.1	60	CM075		B5/B14	23	344	1.7	60		CMP080/090	B14	
	47	174	1.6	60		CMP080/075	B14	19	414	1.2	75		CMP080/090	B14	
	37	212	1.1	75		CMP080/075	B14	18	384	0.8	80	CM090		B5/B14	
	31	242	1.4	90		CMP080/075	B14	16	463	1.5	90		CMP080/090	B14	
	23	300	1.0	120		CMP080/075	B14	12	574	1.1	120		CMP080/090	B14	
	56	146	2.1	50	CM090		B5/B14	9.3	673	0.8	150		CMP080/090	B14	
	47	169	1.6	60	CM090		B5/B14	28	285	2.5	50	CM110		B5	
	47	181	2.6	60		CMP080/090	B14	23	329	1.9	60	CM110		B5	
	37	221	1.9	75		CMP080/090	B14	23	353	2.7	60		CMP080/110	B14	
	35	213	1.2	80	CM090		B5/B14	19	430	2.1	75		CMP080/110	B14	
	31	251	2.3	90		CMP080/090	B14	18	408	1.4	80	CM110		B5	
	28	251	0.9	100	CM090		B5/B14	16	477	2.4	90		CMP080/110	B14	
	23	313	1.6	120		CMP080/090	B14	14	480	1.1	100	CM110		B5	
	19	375	1.2	150		CMP080/090	B14	12	609	1.8	120		CMP080/110	B14	
	16	424	1.0	180		CMP080/090	B14	9.3	717	1.4	150		CMP080/110	B14	
	35	219	2.0	80	CM110		B5	7.8	821	1.1	180		CMP080/110	B14	
	28	263	1.5	100	CM110		B5	6.0	1006	0.8	240		CMP080/110	B14	
	23	335	2.6	120		CMP080/110	B14	23	324	3.0	60	CM130		B5	
	19	397	2.0	150		CMP080/110	B14	18	414	2.0	80	CM130		B5	
	16	450	1.6	180		CMP080/110	B14	16	477	3.1	90		CMP080/130	B14	
	12	556	1.2	240		CMP080/110	B14	14	480	1.5	100	CM130		B5	
	9.3	651	0.9	300		CMP080/110	B14	12	600	2.3	120		CMP080/130	B14	
	19	403	2.5	150		CMP080/130	B14	9.3	739	1.7	150		CMP080/130	B14	
	16	463	2.0	180		CMP080/130	B14	7.8	847	1.3	180		CMP080/130	B14	
	12	565	1.5	240		CMP080/130	B14	5.8	1024	0.9	240		CMP080/130	B14	
	9.3	651	1.2	300		CMP080/130	B14								

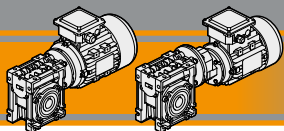


Dati tecnici

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
1.1								1.1								
90S4 (1400 min ⁻¹)	280	34	4.0	5	CM063			90L6 (900 min ⁻¹)	180	52	3.1	5	CM063			B5/B14
	187	50	2.9	7.5	CM063				120	75	2.2	7.5	CM063			B5/B14
	140	65	2.3	10	CM063				90	98	1.8	10	CM063			B5/B14
	93	95	1.6	15	CM063				60	142	1.3	15	CM063			B5/B14
	70	122	1.1	20	CM063				45	182	0.8	20	CM063			B5/B14
	56	146	0.9	25	CM063											
	47	169	1.0	30	CM063				120	76	3.1	7.5	CM070			B5/B14
									90	99	2.5	10	CM070			B5/B14
	140	65	3.3	10	CM070				60	145	1.8	15	CM070			B5/B14
	93	95	2.3	15	CM070				45	187	1.2	20	CM070			B5/B14
	70	125	1.6	20	CM070				36	225	0.9	25	CM070			B5/B14
	56	150	1.2	25	CM070				30	256	1.1	30	CM070			B5/B14
	47	173	1.4	30	CM070				23	239	0.8	40	CM070			B5/B14
	35	219	1.0	40	CM070				15	487	0.7	60	CM070			B5/B14
	23	326	0.9	60		CMP090/070			10	638	0.7	90		CMP090/070		B5/B14
	19	392	0.7	75		CMP090/070										
	16	437	0.8	90		CMP090/070			60	145	2.2	15	CM075			B5/B14
									45	187	1.5	20	CM075			B5/B14
	93	95	2.8	15	CM075				36	225	1.1	25	CM075			B5/B14
	70	125	1.9	20	CM075				30	256	1.3	30	CM075			B5/B14
	56	150	1.5	25	CM075				23	317	0.9	40	CM075			B5/B14
	47	173	1.7	30	CM075				15	487	0.8	60		CMP090/075		B5/B14
	35	219	1.1	40	CM075				12	583	0.7	75		CMP090/075		B5/B14
	28	259	0.9	50	CM075				10	638	0.8	90		CMP090/075		B5/B14
	23	331	1.0	60		CMP090/075										
	19	397	0.8	75		CMP090/075			45	191	2.5	20	CM090			B5/B14
	16	443	0.9	90		CMP090/075			36	233	1.8	25	CM090			B5/B14
									30	266	2.1	30	CM090			B5/B14
	56	156	2.4	25	CM090				23	336	1.5	40	CM090			B5/B14
	47	178	2.7	30	CM090				18	397	1.1	50	CM090			B5/B14
	35	228	1.9	40	CM090				15	455	0.9	60	CM090			B5/B14
	28	270	1.4	50	CM090				15	508	1.4	60		CMP090/090		B5/B14
	23	311	1.1	60	CM090				12	609	1.0	75		CMP090/090		B5/B14
	23	344	1.7	60		CMP090/090			10	679	1.3	90		CMP090/090		B5/B14
	19	414	1.2	75		CMP090/090			8	837	0.9	120		CMP090/090		B5/B14
	18	384	0.8	80	CM090											
	16	463	1.5	90		CMP090/090			18	414	1.9	50	CM110			B5/B14
	12	574	1.1	120		CMP090/090			15	476	1.5	60	CM110			B5/B14
	9	673	0.8	150		CMP090/090			15	528	2.3	60		CMP090/110		B5/B14
									12	635	1.8	75		CMP090/110		B5/B14
	35	237	3.2	40	CM110				11	588	1.1	80	CM110			B5/B14
	28	285	2.5	50	CM110				10	690	2.0	90		CMP090/110		B5/B14
	23	329	1.9	60	CM110				9	689	0.9	100	CM110			B5/B14
	23	353	2.7	60		CMP090/110			8	878	1.5	120		CMP090/110		B5/B14
	19	430	2.1	75		CMP090/110			6	1029	1.1	150		CMP090/110		B5/B14
	18	408	1.4	80	CM110				5	1194	0.9	180		CMP090/110		B5/B14
	16	477	2.4	90		CMP090/110										
	14	480	1.1	100	CM110				15	490	2.0	60	CM130			B5
	12	609	1.8	120		CMP090/110			11	598	1.5	80	CM130			B5
	9	717	1.4	150		CMP090/110			9	689	1.1	100	CM130			B5
	8	821	1.1	180		CMP090/110			8	865	1.9	120		CMP090/130		B5/B14
	6	1006	0.8	240		CMP090/110			6	1047	1.4	150		CMP090/130		B5/B14
									5	1174	1.2	180		CMP090/130		B5/B14
	18	414	2.0	80	CM130				4	1400	0.9	240		CMP090/130		B5/B14
	14	480	1.5	100	CM130											
	12	600	2.1	120		CMP090/130										
	9	739	1.7	150		CMP090/130										
	8	847	1.3	180		CMP090/130										
	6	1024	1.0	240		CMP090/130										
	5	1169	0.7	300		CMP090/130										

CM/CMP









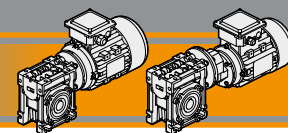
CM/CMP Motoriduttori a vite senza fine

Wormgearmotors

Dati tecnici







Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
1.5								1.5								
90S2 (2800 min ⁻¹)	560	23	4.2	5	CM063		B5/B14	90L4 (1400 min ⁻¹)	140	89	2.4	10	CM070		B5/B14	
	373	35	3.0	7.5	CM063		B5/B14		93	129	1.7	15	CM070		B5/B14	
	280	45	2.4	10	CM063		B5/B14		70	170	1.2	20	CM070		B5/B14	
	187	66	1.7	15	CM063		B5/B14		56	205	0.9	25	CM070		B5/B14	
	140	86	1.2	20	CM063		B5/B14		47	236	1.0	30	CM070		B5/B14	
	112	106	0.9	25	CM063		B5/B14		93	129	2.1	15	CM075		B5/B14	
	93	121	1.0	30	CM063		B5/B14		70	170	1.4	20	CM075		B5/B14	
	187	67	2.5	15	CM070		B5/B14		56	205	1.1	25	CM075		B5/B14	
	140	87	1.8	20	CM070		B5/B14		47	236	1.2	30	CM075		B5/B14	
	112	107	1.3	25	CM070		B5/B14		35	299	0.8	40	CM075		B5/B14	
	93	124	1.5	30	CM070		B5/B14		70	172	2.4	20	CM090		B5/B14	
	70	160	1.1	40	CM070		B5/B14		56	212	1.7	25	CM090		B5/B14	
	56	189	0.8	50	CM070		B5/B14		47	243	2.0	30	CM090		B5/B14	
	47	238	1.0	60		CMP090/070	B5/B14		35	311	1.4	40	CM090		B5/B14	
	37	290	0.7	75		CMP090/070	B5/B14		28	368	1.0	50	CM090		B5/B14	
	31	325	0.8	90		CMP090/070	B5/B14		23	424	0.8	60	CM090		B5/B14	
	140	87	2.1	20	CM075		B5/B14		23	469	1.2	60		CMP090/090	B5/B14	
	112	107	1.5	25	CM075		B5/B14		19	564	0.9	75		CMP090/090	B5/B14	
	93	124	1.8	30	CM075		B5/B14		16	632	1.1	90		CMP090/090	B5/B14	
	70	160	1.2	40	CM075		B5/B14		12	782	0.8	120		CMP090/090	B5/B14	
	56	192	0.9	50	CM075		B5/B14		35	323	2.4	40	CM110		B5/B14	
	47	238	1.2	60		CMP090/075	B5/B14		28	389	1.8	50	CM110		B5/B14	
	37	290	0.8	75		CMP090/075	B5/B14		23	448	1.4	60	CM110		B5/B14	
	31	329	1.0	90		CMP090/075	B5/B14		23	481	2.0	60		CMP090/110	B5/B14	
	70	164	2.1	40	CM090		B5/B14		19	587	1.5	75		CMP090/110	B5/B14	
	56	200	1.5	50	CM090		B5/B14		18	557	1.0	80	CM110		B5/B14	
	47	230	1.2	60	CM090		B5/B14		14	655	0.8	100	CM110		B5/B14	
	47	247	1.9	60		CMP090/090	B5/B14		16	650	1.8	90		CMP090/110	B5/B14	
	37	301	1.4	75		CMP090/090	B5/B14		12	830	1.3	120		CMP090/110	B5/B14	
	35	287	0.9	80	CM090		B5/B14		9	978	1.0	150		CMP090/110	B5/B14	
	31	343	1.7	90		CMP090/090	B5/B14		8	1119	0.8	180		CMP090/110	B5/B14	
	23	427	1.2	120		CMP090/090	B5/B14		28	389	2.5	50	CM130		B5	
	19	511	0.9	150		CMP090/090	B5/B14		23	448	2.0	60	CM130		B5	
	56	202	2.7	50	CM110		B5/B14		19	579	2.1	75		CMP090/130	B5/B14	
	47	236	2.1	60	CM110		B5/B14		18	565	1.5	80	CM130		B5	
	37	308	2.5	75		CMP090/110	B5/B14		16	650	2.2	90		CMP090/130	B5/B14	
	35	299	1.4	80	CM110		B5/B14		14	655	1.1	100	CM130		B5	
	31	347	2.8	90		CMP090/110	B5/B14		12	818	1.5	120		CMP090/130	B5/B14	
	28	358	1.1	100	CM110		B5/B14		9	1008	1.2	150		CMP090/130	B5/B14	
	23	457	1.9	120		CMP090/110	B5/B14		8	1155	0.9	180		CMP090/130	B5/B14	
	19	541	1.5	150		CMP090/110	B5/B14		6	1396	0.7	240		CMP090/130	B5/B14	
	16	614	1.2	180		CMP090/110	B5/B14		120LA6 (900 min ⁻¹)	120	104	2.3	7.5	CM070		B5/B14
	12	758	0.9	240		CMP090/110	B5/B14		90	135	1.9	10	CM070		B5/B14	
	47	236	2.7	60	CM130		B5		60	198	1.3	15	CM070		B5/B14	
	35	295	2.0	80	CM130		B5		45	251	0.9	20	CM070		B5/B14	
	28	358	1.5	100	CM130		B5		120	104	2.7	7.5	CM075		B5/B14	
	23	445	2.5	120		CMP090/130	B5/B14		90	135	2.2	10	CM075		B5/B14	
	19	549	1.9	150		CMP090/130	B5/B14		60	198	1.6	15	CM075		B5/B14	
	16	632	1.5	180		CMP090/130	B5/B14		45	251	1.2	20	CM075		B5/B14	
	12	770	1.1	240		CMP090/130	B5/B14		36	306	0.8	25	CM075		B5/B14	
	9	887	0.9	300		CMP090/130	B5/B14		30	349	0.9	30	CM075		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									

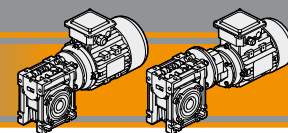


Dati tecnici

Technical data







P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				
1.5								2.2								
100LA6 (900 min ⁻¹)	60	201	2.6	15	CM090		B5/B14	90L2 (2800 min ⁻¹)	47	347	1.8	60	CM130		B5	
	45	261	1.8	20	CM090		B5/B14		35	432	1.3	80	CM130		B5	
	36	318	1.3	25	CM090		B5/B14		28	525	1.0	100	CM130		B5	
	30	363	1.6	30	CM090		B5/B14		23	653	1.7	120		CMP090/130	B5/B14	
	23	452	1.1	40	CM090		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	
	45	267	3.1	20	CM110		B5/B14		100LA4 (1400 min ⁻¹)	187	100	2.0	7.5	CM070		B5/B14
	36	326	2.4	25	CM110		B5/B14			140	131	1.7	10	CM070		B5/B14
	30	372	2.6	30	CM110		B5/B14			93	189	1.2	15	CM070		B5/B14
	23	478	1.8	40	CM110		B5/B14			70	249	0.8	20	CM070		B5/B14
	18	565	1.4	50	CM110		B5/B14									
	15	649	1.1	60	CM110		B5/B14			187	100	2.4	7.5	CM075		B5/B14
										140	131	2.0	10	CM075		B5/B14
	23	471	2.3	40	CM130		B5			93	189	1.4	15	CM075		B5/B14
	18	581	1.8	50	CM130		B5			70	249	1.0	20	CM075		B5/B14
	15	669	1.5	60	CM130		B5			56	300	0.8	25	CM075		B5/B14
	11	815	1.1	80	CM130		B5			47	347	1.0	30	CM075		B5/B14
9	939	0.8	100	CM130		B5										
2.2																
90L2 (2800 min ⁻¹)	373	51	2.0	7.5	CM063		B5/B14	140		132	2.8	10	CM090		B5/B14	
	280	66	1.7	10	CM063		B5/B14	93		194	2.2	15	CM090		B5/B14	
	187	97	1.2	15	CM063		B5/B14	70		252	1.6	20	CM090		B5/B14	
	140	126	0.8	20	CM063		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		
	187	98	1.7	15	CM070		B5/B14									
	140	128	1.2	20	CM070		B5/B14	70	255	2.9	20	CM110		B5/B14		
	112	158	0.9	25	CM070		B5/B14	56	315	2.1	25	CM110		B5/B14		
	93	182	1.0	30	CM070		B5/B14	47	360	2.2	30	CM110		B5/B14		
								35	474	1.6	40	CM110		B5/B14		
	187	98	2.0	15	CM075		B5/B14	28	570	1.2	50	CM110		B5/B14		
	140	128	1.4	20	CM075		B5/B14	23	657	1.0	60	CM110		B5/B14		
	112	158	1.0	25	CM075		B5/B14									
	93	182	1.2	30	CM075		B5/B14	35	456	2.3	40	CM130		B5		
	70	234	0.8	40	CM075		B5/B14	28	563	1.7	50	CM130		B5		
								23	657	1.4	60	CM130		B5		
	140	129	2.4	20	CM090		B5/B14	18	828	1.0	80	CM130		B5		
	112	159	1.8	25	CM090		B5/B14	14	960	0.8	100	CM130		B5		
	93	187	2.1	30	CM090		B5/B14									
	70	240	1.4	40	CM090		B5/B14	120	154	2.7	7.5	CM090		B5/B14		
	56	293	1.0	50	CM090		B5/B14	90	203	2.2	10	CM090		B5/B14		
	47	338	0.8	60	CM090		B5/B14	60	294	1.7	15	CM090		B5/B14		
	47	362	1.3	60		CMP090/090	B5/B14	45	383	1.2	20	CM090		B5/B14		
	37	441	1.0	75		CMP090/090	B5/B14	36	467	0.9	25	CM090		B5/B14		
	31	503	1.1	90		CMP090/090	B5/B14	30	532	1.1	30	CM090		B5/B14		
	23	627	0.8	120		CMP090/090	B5/B14	23	663	0.8	40	CM090		B5/B14		
	70	243	2.4	40	CM110		B5/B14	45	388	2.1	20	CM110		B5/B14		
	56	296	1.8	50	CM110		B5/B14	36	479	1.6	25	CM110		B5/B14		
	47	347	1.4	60	CM110		B5/B14	30	546	1.8	30	CM110		B5/B14		
	47	371	2.2	60		CMP090/110	B5/B14	23	700	1.3	40	CM110		B5/B14		
	37	452	1.7	75		CMP090/110	B5/B14	18	829	1.0	50	CM110		B5/B14		
	35	438	1.0	80	CM110		B5/B14									
	31	510	1.9	90		CMP090/110	B5/B14	23	691	1.6	40	CM130		B5		
	23	671	1.3	120		CMP090/110	B5/B14	18	852	1.2	50	CM130		B5		
	19	794	1.0	150		CMP090/110	B5/B14	15	980	1.0	60	CM130		B5		
	16	900	0.8	180		CMP090/110	B5/B14									

CM/CMP

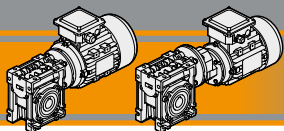


Dati tecnici

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
4.0								7.5								
132L6 (900 min ⁻¹)	120	280	2.6	7.5	CM110			132SB2 (2800 min ⁻¹)	373	173	2.5	7.5	CM110			B5/B14
	90	369	2.2	10	CM110				280	228	2.2	10	CM110			B5/B14
	60	535	1.6	15	CM110				187	338	1.6	15	CM110			B5/B14
	45	705	1.1	20	CM110				140	445	1.2	20	CM110			B5/B14
	36	870	0.9	25	CM110				112	550	0.9	25	CM110			B5/B14
	30	980	1.0	30	CM110				93	629	1.0	30	CM110			B5/B14
	45	696	1.5	20	CM130				187	338	2.1	15	CM130			B5/B14
	36	860	1.2	25	CM130				140	445	1.5	20	CM130			B5/B14
	30	980	1.2	30	CM130				112	550	1.2	25	CM130			B5/B14
	70	819	0.9	40	CM130				93	629	1.3	30	CM130			B5/B14
70	819	0.9	40	CM130			70	819	0.9	40	CM130			B5/B14		
5.5																
132SA2 (2800 min ⁻¹)	373	127	3.5	7.5	CM110			132MA4 (1400 min ⁻¹)	187	341	1.8	7.5	CM110			B5/B14
	280	167	2.9	10	CM110				140	450	1.5	10	CM110			B5/B14
	187	248	2.2	15	CM110				93	660	1.1	15	CM110			B5/B14
	140	326	1.6	20	CM110				70	870	0.9	20	CM110			B5/B14
	112	403	1.3	25	CM110				187	341	2.2	7.5	CM130			B5/B14
	93	461	1.4	30	CM110				140	450	1.8	10	CM130			B5/B14
	140	326	2.1	20	CM130				93	660	1.4	15	CM130			B5/B14
	112	403	1.6	25	CM130				70	860	1.1	20	CM130			B5/B14
	93	461	1.7	30	CM130				56	1062	0.9	25	CM130			B5/B14
	70	600	1.3	40	CM130				47	1213	0.9	30	CM130			B5/B14
132S4 (1400 min ⁻¹)	187	250	2.4	7.5	CM110											
	140	330	2.0	10	CM110											
	93	484	1.5	15	CM110											
	70	638	1.2	20	CM110											
	56	788	0.9	25	CM110											
	47	912	0.9	30	CM110											
	187	250	3.0	7.5	CM130											
	140	330	2.5	10	CM130											
	93	484	1.9	15	CM130											
	70	630	1.4	20	CM130											
	56	778	1.2	25	CM130											
	47	889	1.2	30	CM130											
	35	1141	0.9	40	CM130											

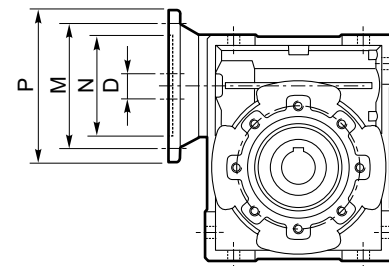
CM/CMP



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	11														
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	B					
	56B14	50	65	80	9	B	B	B	B	B	B	B	B	B					
CM040	71B5	110	130	160	14														
	71B14	70	85	105	14														
	63B5	95	115	140	11	B	B	B	B	B	B	B	B						
	63B14	60	75	90	11	B	B	B	B	B	B	B	B						
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	BS	B	B	B	B	B	B
	56B14	50	65	80	9	BS	BS	BS	BS	BS	BS	BS	BS	B	B	B	B	B	B
CM050	80B5	130	165	200	19														
	80B14	80	100	120	19														
	71B5	110	130	160	14	B	B	B	B	B	B	B							
	71B14	70	85	105	14	B	B	B	B	B	B	B							
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	B	B	B	B			
	63B14	60	75	90	11	BS	BS	BS	BS	BS	BS	BS	B	B	B	B			
CM063	90B5	130	165	200	24														
	90B14	95	115	140	24														
	80B5	130	165	200	19	B	B	B	B	B	B	B							
	80B14	80	100	120	19	B	B	B	B	B	B	B							
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	BS	B	B	B				
	71B14	70	85	105	14	BS	BS	BS	BS	BS	BS	BS	B	B	B				
CM070	63B5	95	115	140	11								BS	BS	BS	B	B		
	100/112B5	180	215	250	28														
	100/112B14	110	130	160	28														
	90B5	130	165	200	24		B	B	B	B									
	90B14	95	115	140	24		B	B	B	B									
	80B5	130	165	200	19		BS	BS	BS	BS	B	B	B						
CM075	80B14	80	100	120	19		BS	BS	BS	BS	BS	BS	B	B					
	71B5	110	130	160	14								BS	BS	B	B	B		



N.B.

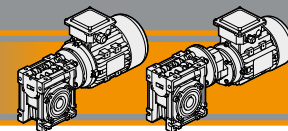
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

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

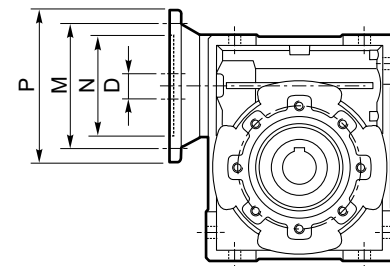
Nota: flange Nema disponibili a richiesta
Note: Nema flange available on demand



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						
	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						
	90B5	130	165	200	24		BS	BS	BS	BS	BS	BS	B	B	B	B		
	80B5	130	165	200	19									BS	BS	BS	BS	



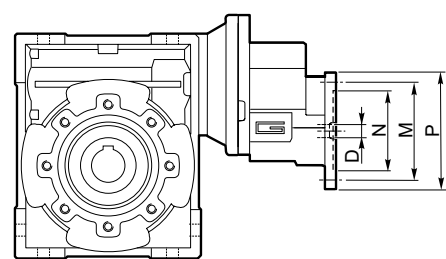
N.B.
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.
N.B. Grey areas indicate motor inputs available on each size of unit.

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

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

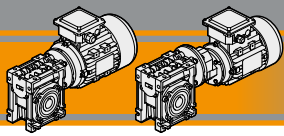
CM/CMP

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.

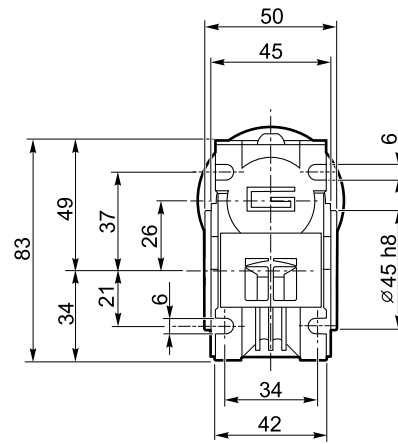
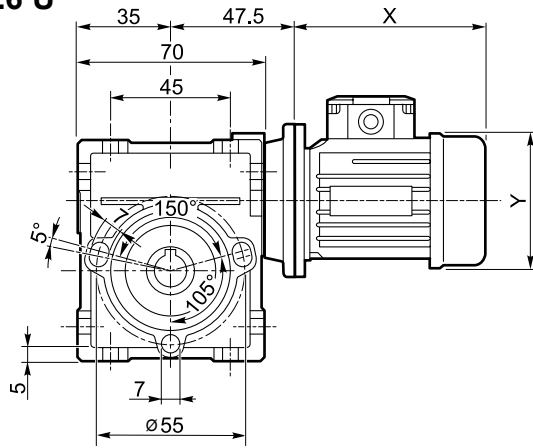
B/BS = Boccola di riduzione in acciaio
B/BS = Metal shaft sleeve



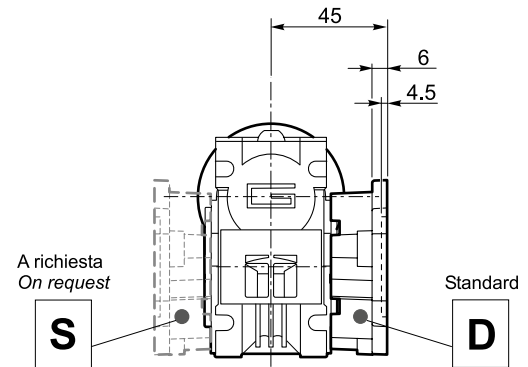
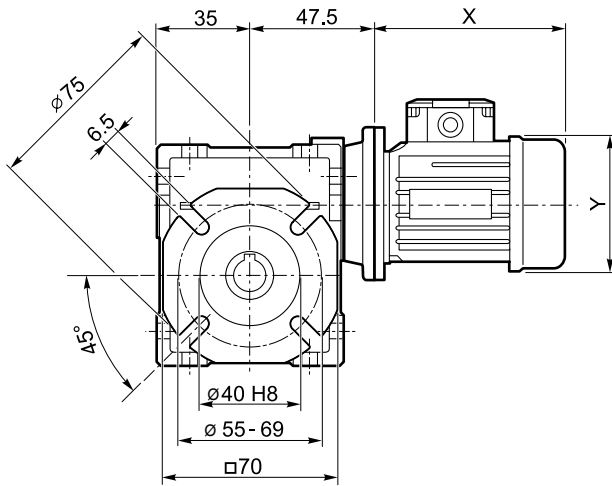
Dimensioni

Dimensions

CM 026 U

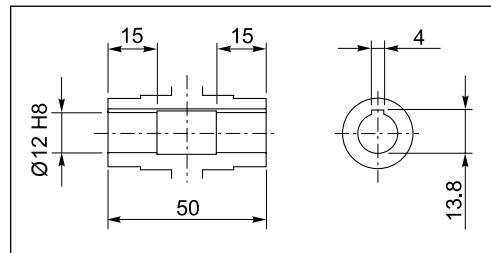
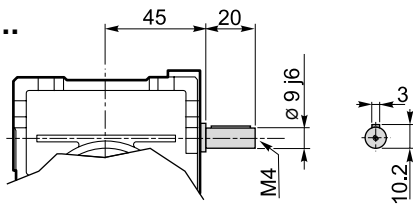


CM 026 F

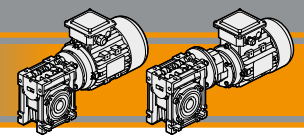


Kg
0.8

CMIS 026 ..



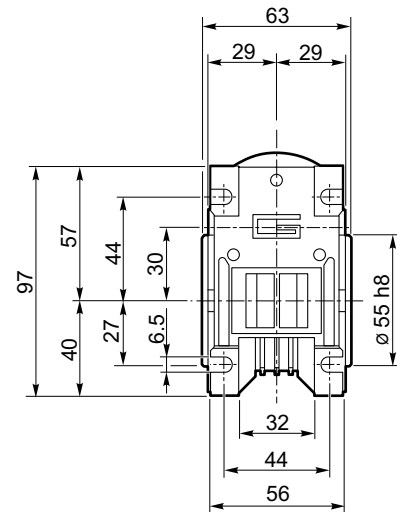
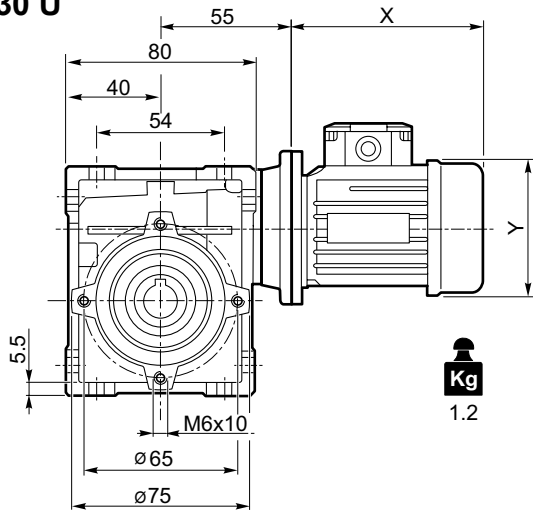
Albero lento cavo / Hollow output shaft



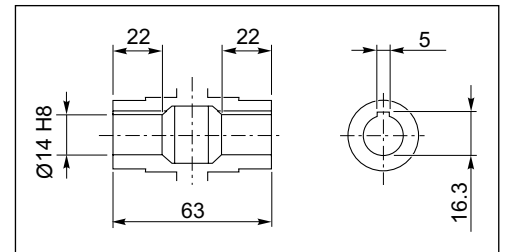
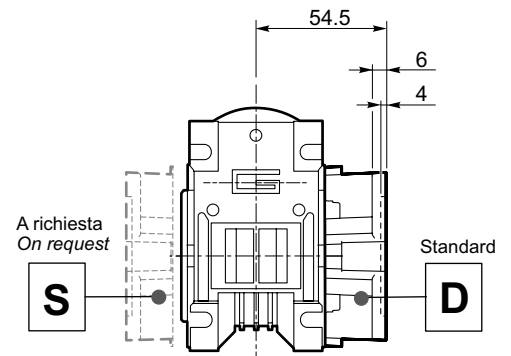
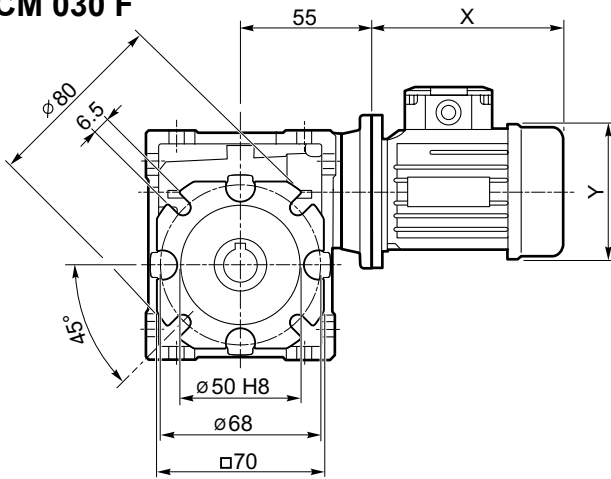
Dimensioni

Dimensions

CM 030 U

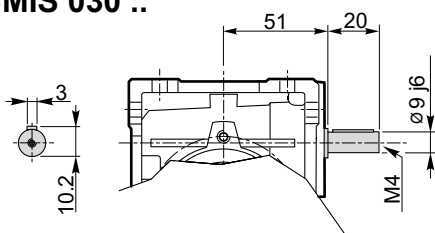


CM 030 F

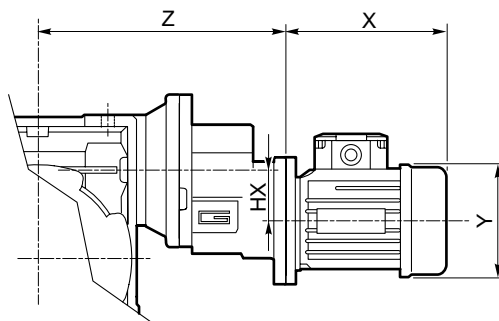


Albero lento cavo / Hollow output shaft

CMIS 030 ..

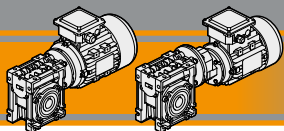


CMP ..



	HX	Z	Kg
056/030	30.5	124	2.1

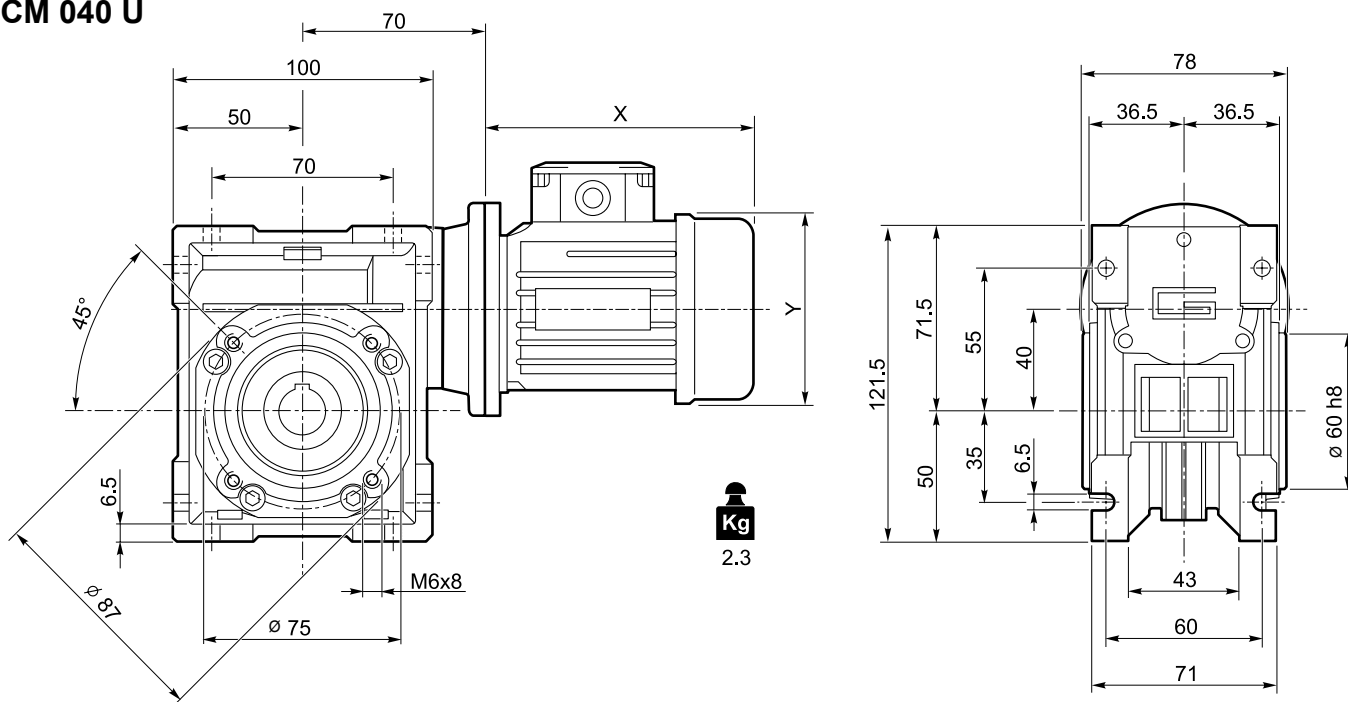
CM/CMP



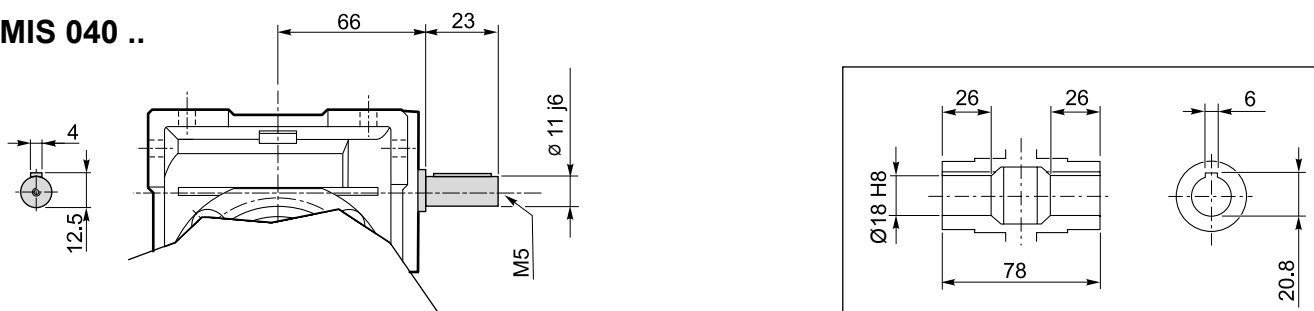
Dimensioni

Dimensions

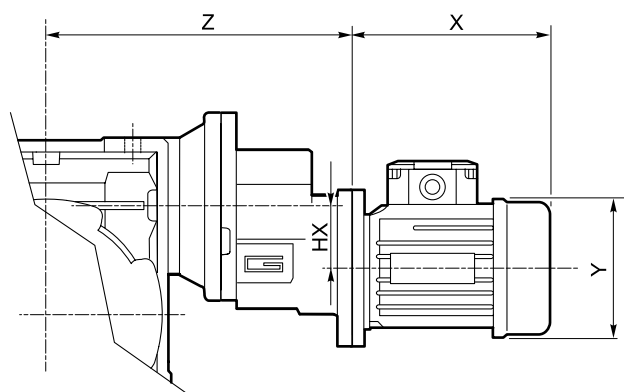
CM 040 U



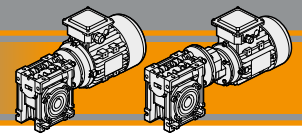
CMIS 040 ..



CMP ..

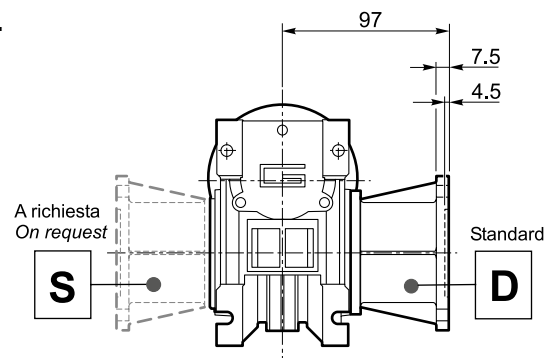
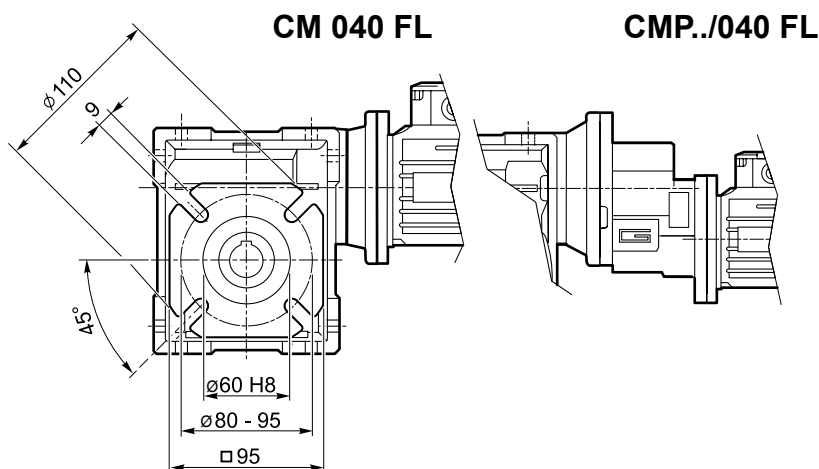
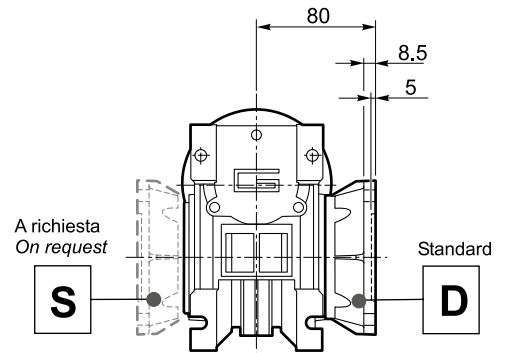
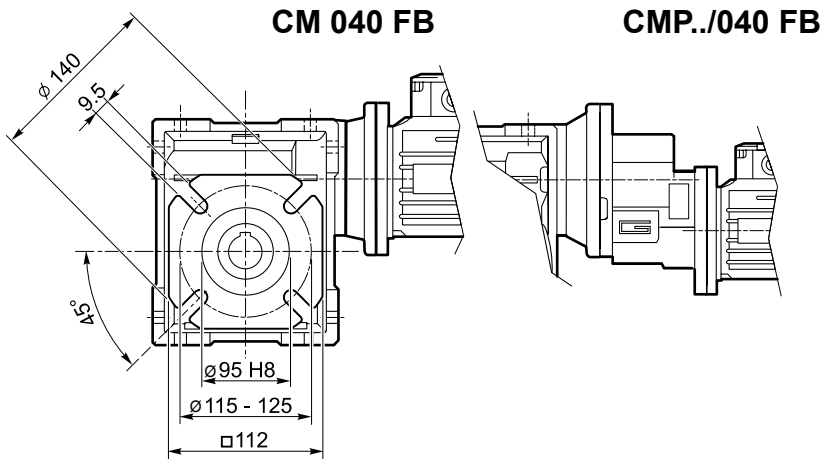
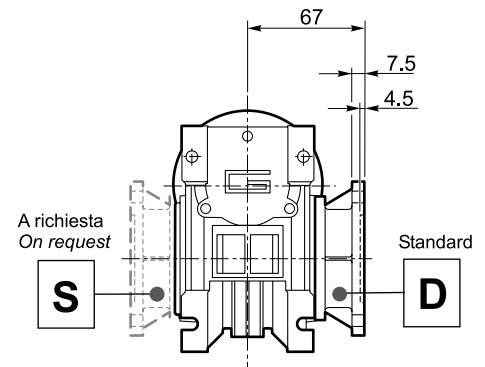
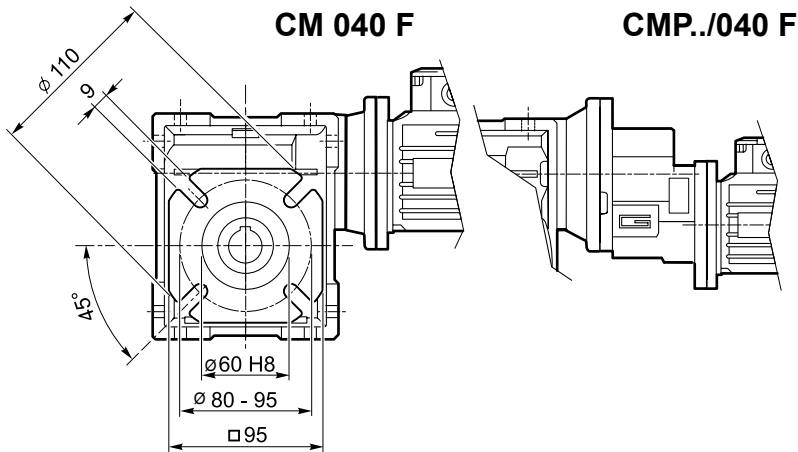


	HX	Z	Kg
056/040	30.5	139	3.2
063/040	30.5	142	3.3

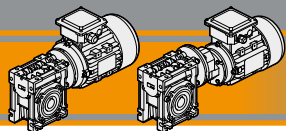


Dimensioni

Dimensions



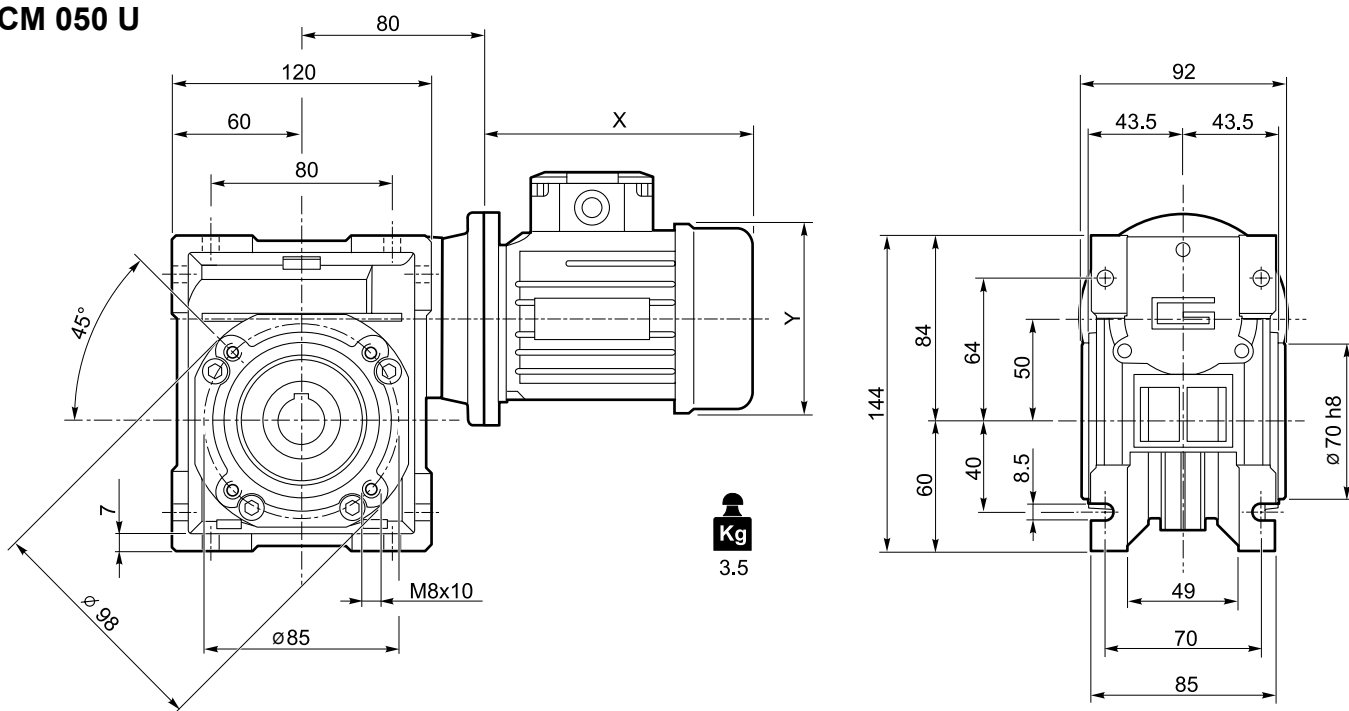
CM/CMP



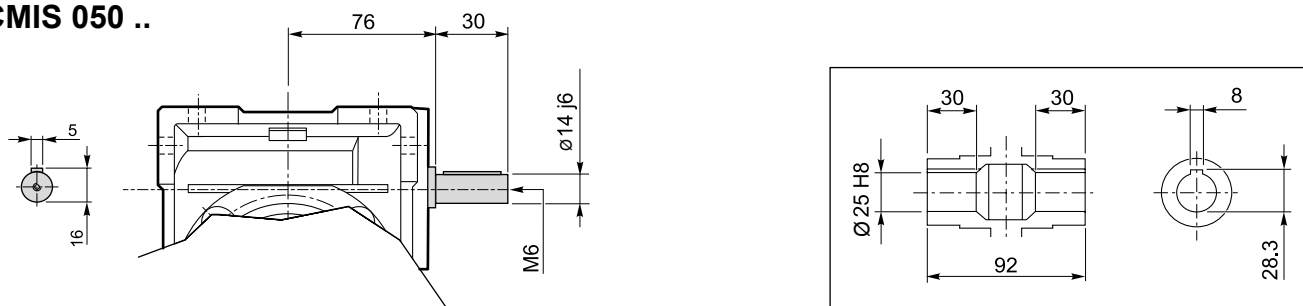
Dimensioni

Dimensions

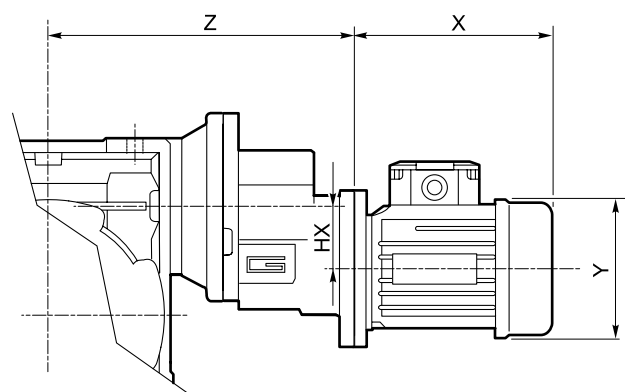
CM 050 U



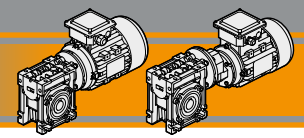
CMIS 050 ..



CMP ..

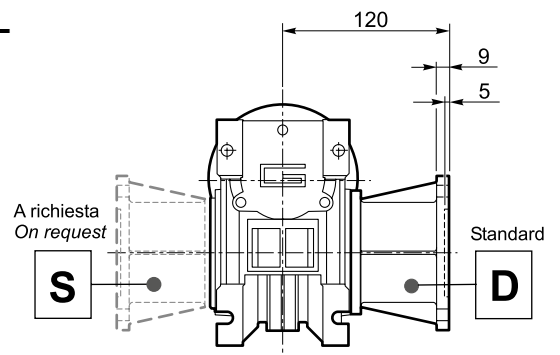
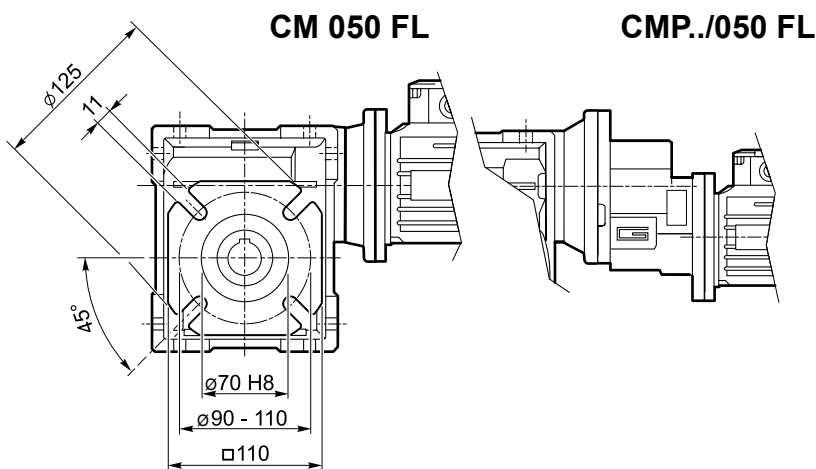
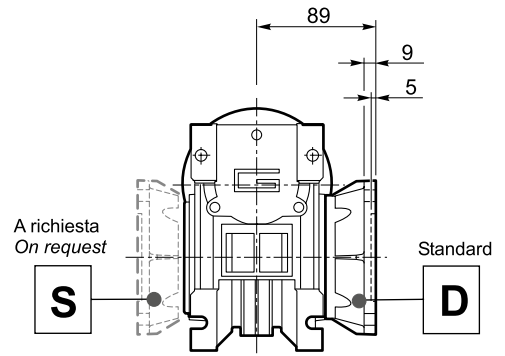
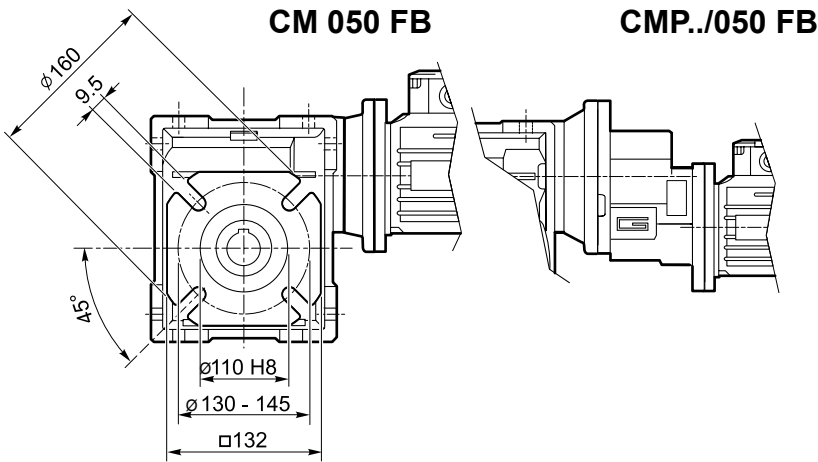
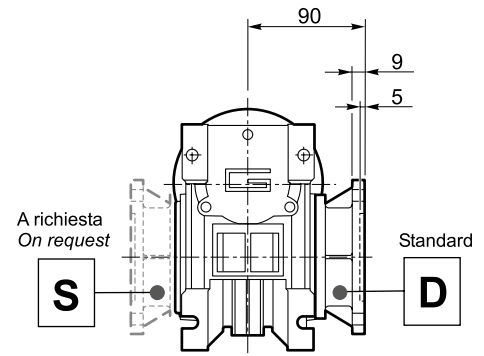
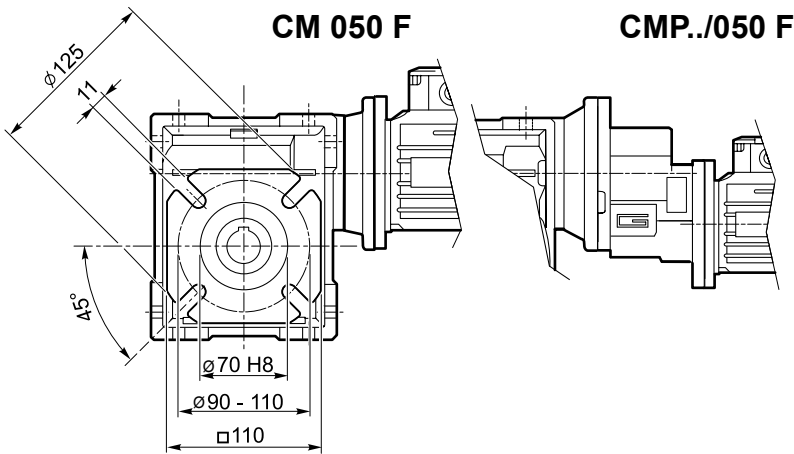


	HX	Z	Kg
063/050	30.5	152	4.5
071/050	41	169	5.5

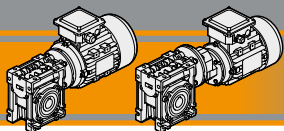


Dimensioni

Dimensions



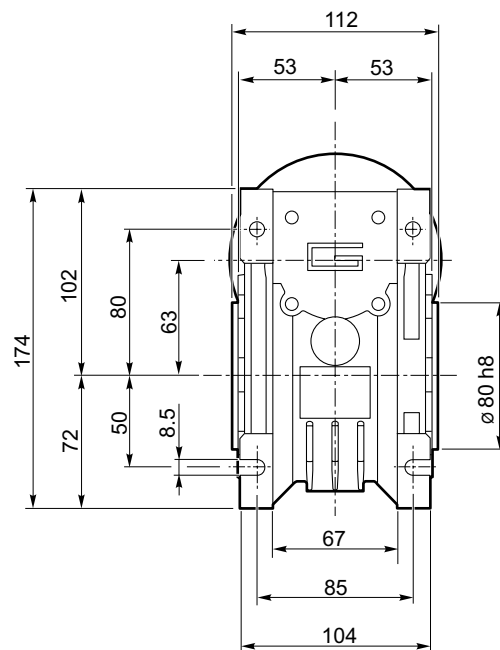
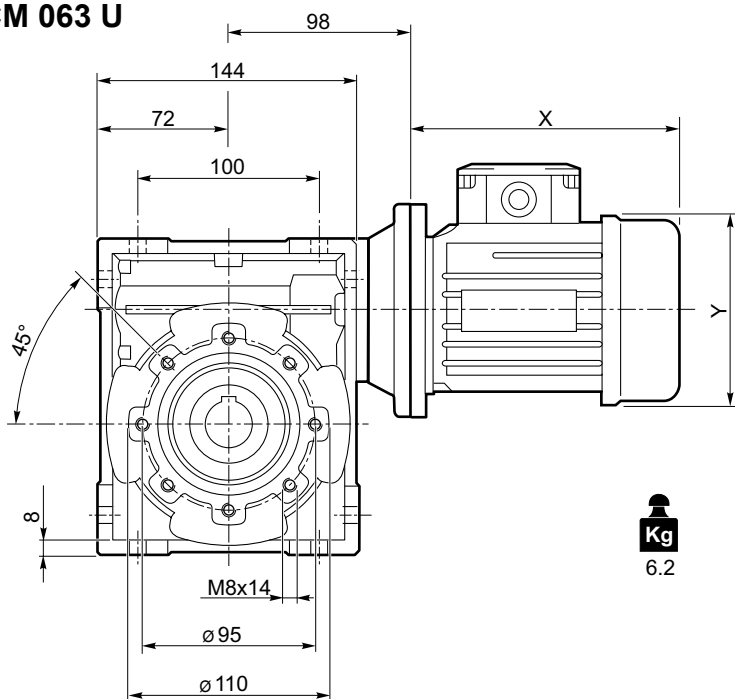
CM/CMP



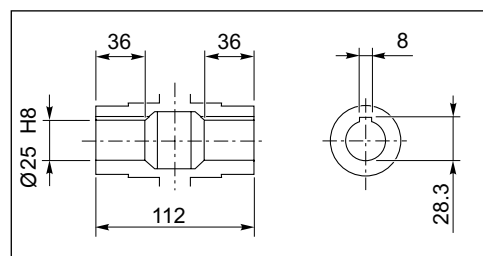
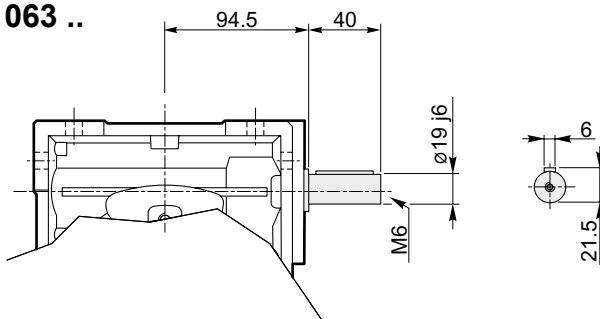
Dimensioni

Dimensions

CM 063 U

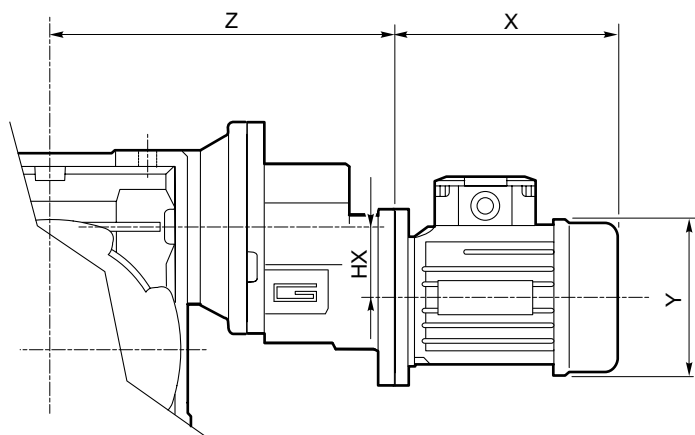


CMIS 063 ..

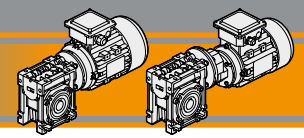


Albero lento cavo / Hollow output shaft

CMP ..

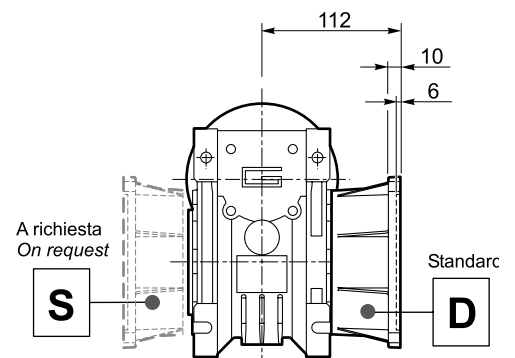
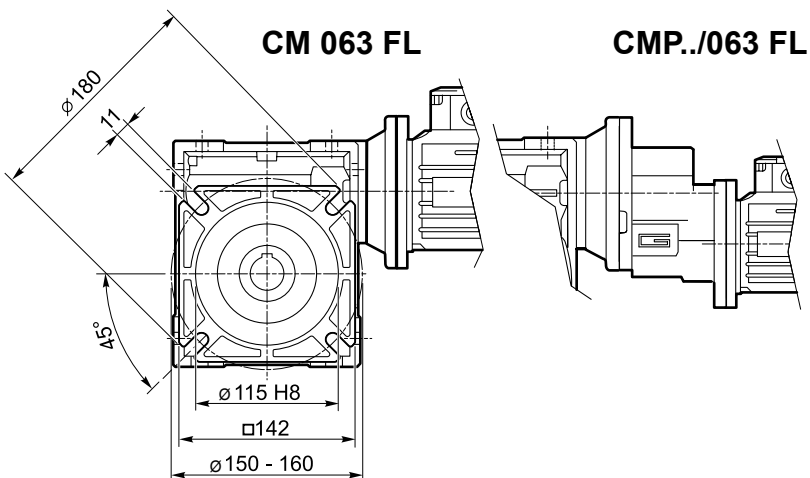
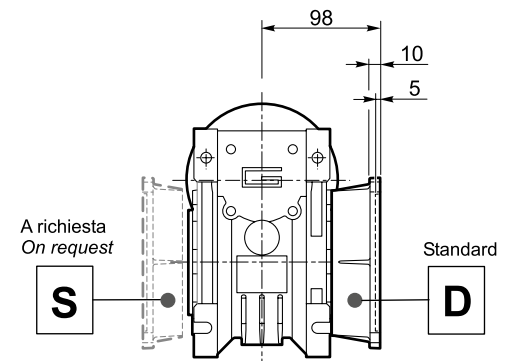
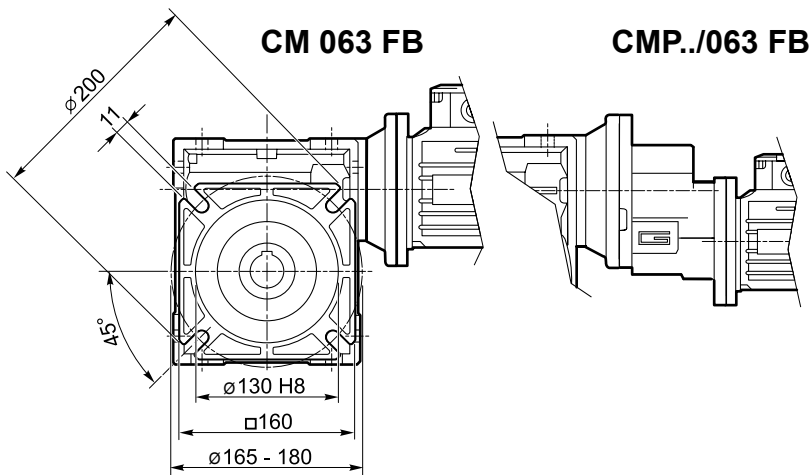
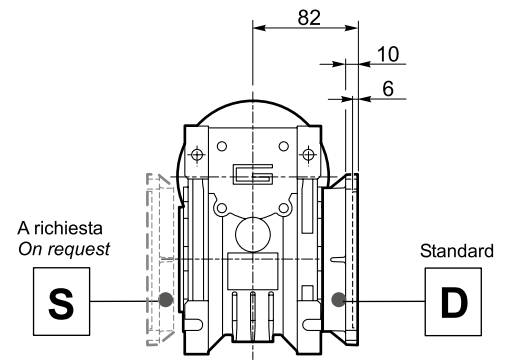
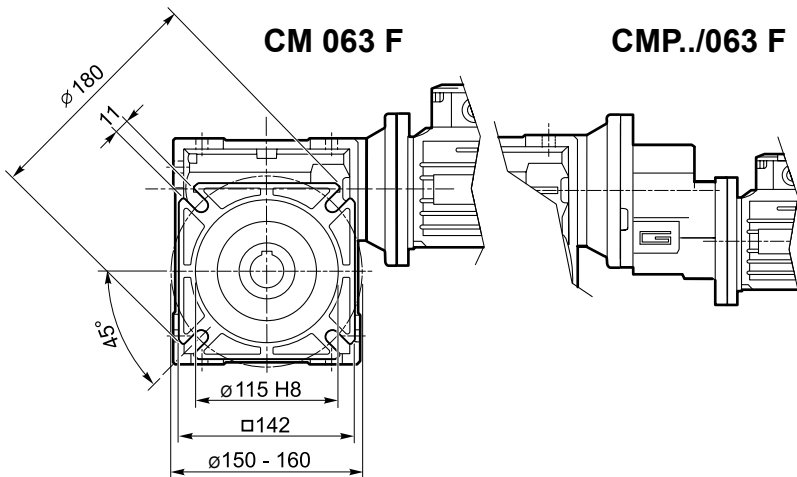


	HX	Z	Kg
063/063	30.5	170	7.2
071/063	41	187	8.2
080/063	41	198	9.0

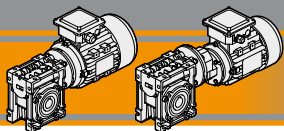


Dimensioni

Dimensions



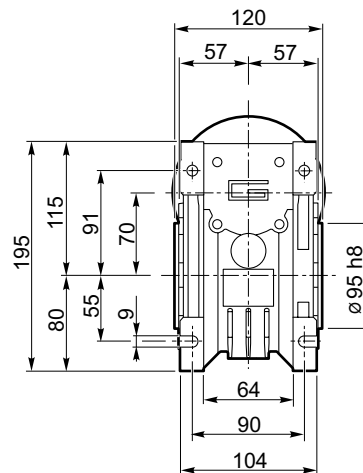
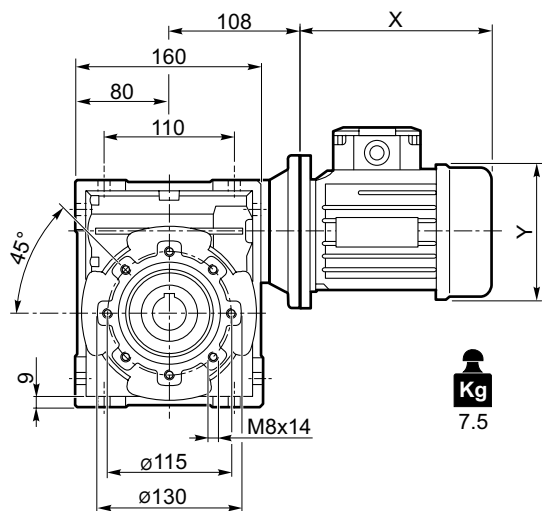
CM/CMP



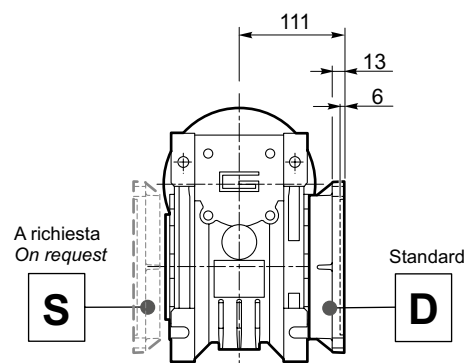
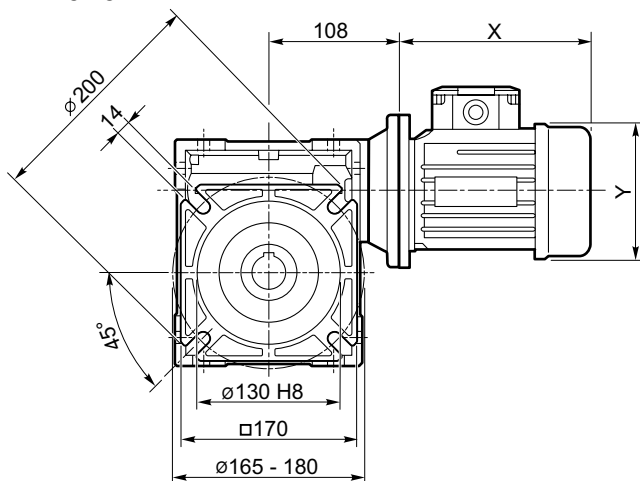
Dimensioni

Dimensions

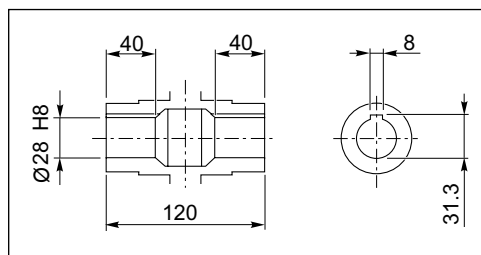
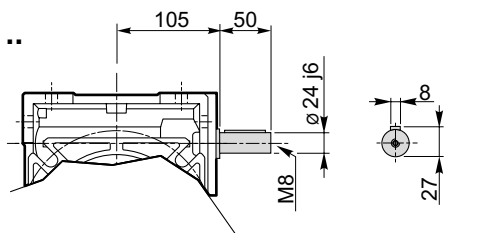
CM 070 U



CM 070 F

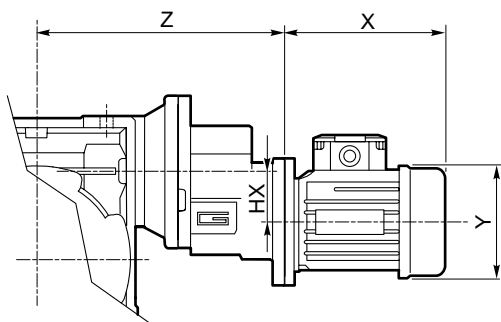


CMIS 070 ..

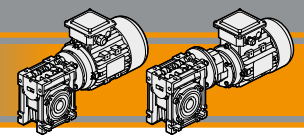


Albero lento cavo / Hollow output shaft

CMP ..



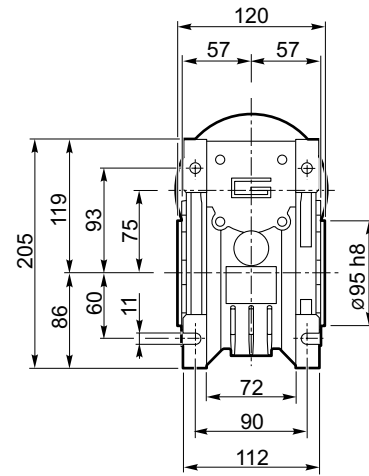
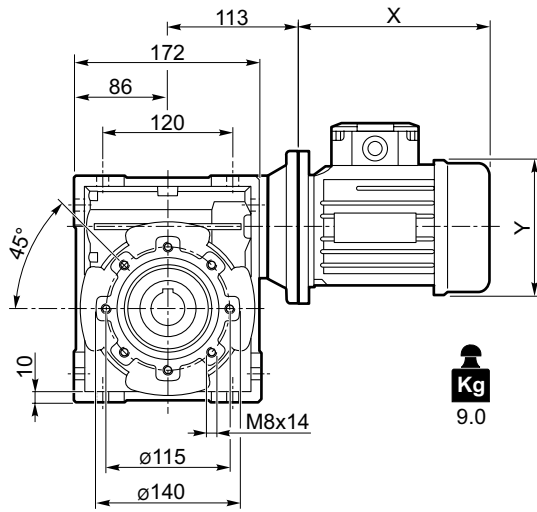
	HX	Z	Kg
071/070	41	197	9
080/070	41	208	9.8
090/070	36.5	262	10.5



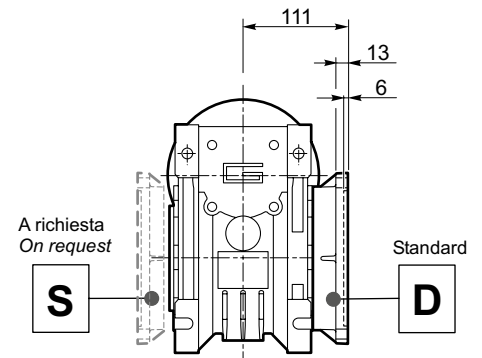
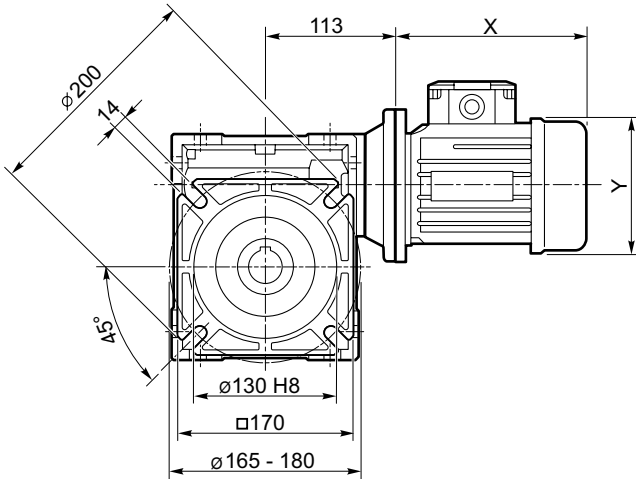
Dimensioni

Dimensions

CM 075 U

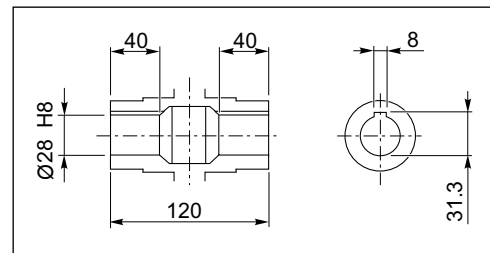
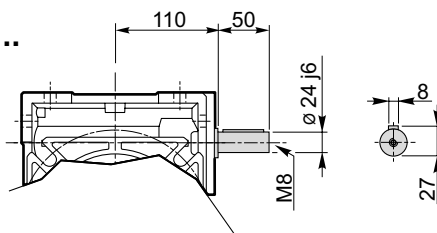


CM 075 F



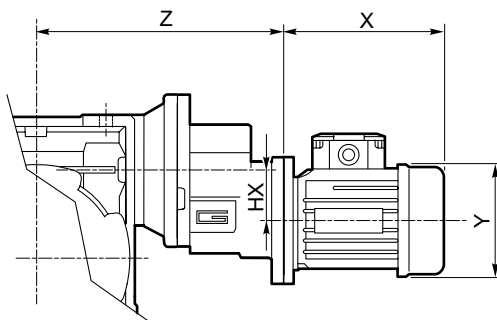
CM/CMP

CMIS 075 ..

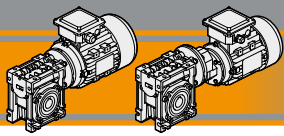


Albero lento cavo / Hollow output shaft

CMP ..



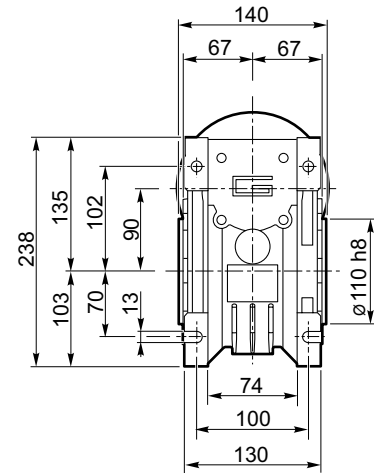
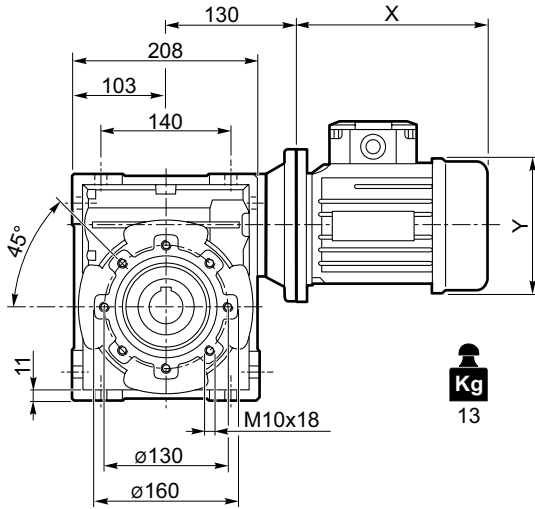
	HX	Z	Kg
071/075	41	202	11.0
080/075	41	213	11.8
090/075	36.5	267	12.5



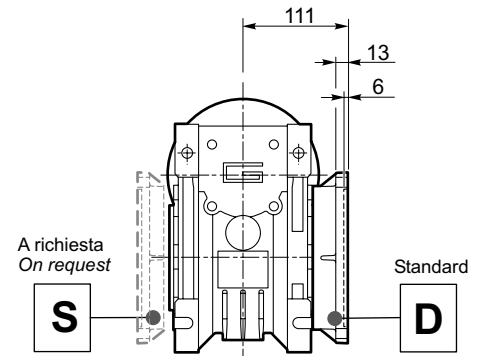
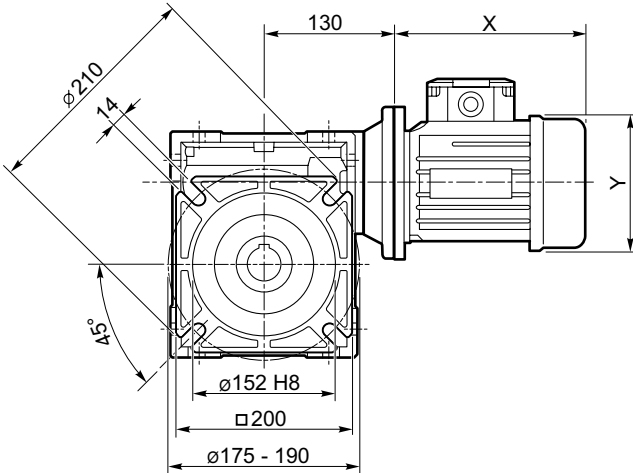
Dimensioni

Dimensions

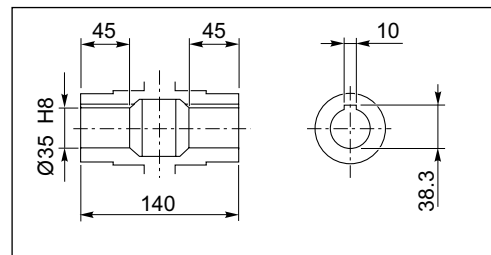
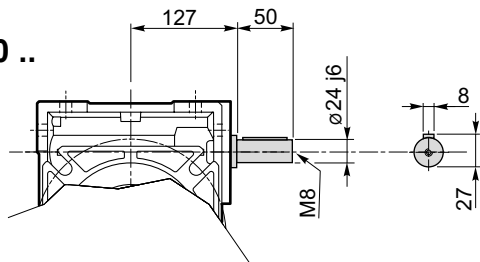
CM 090 U



CM 090 F

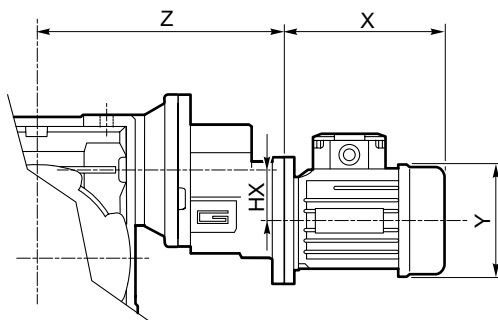


CMIS 090 ..

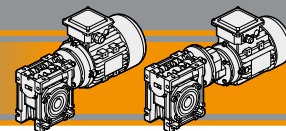


Albero lento cavo / Hollow output shaft

CMP ..



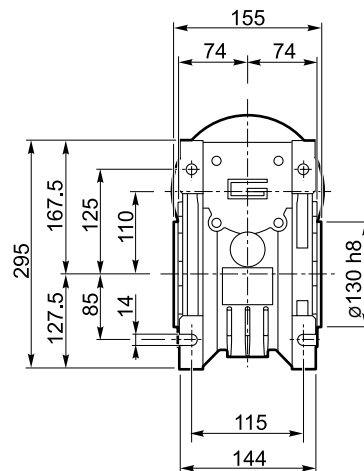
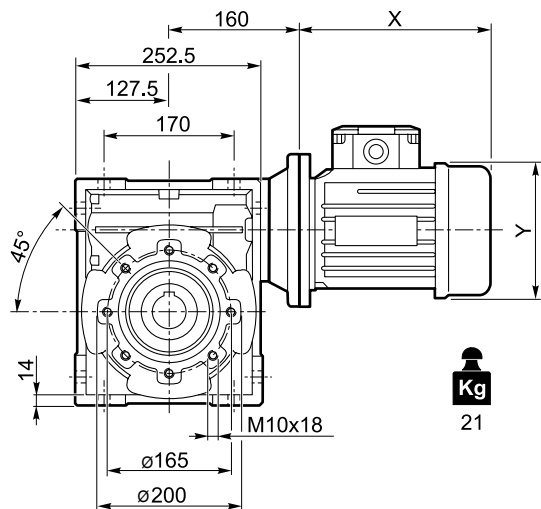
	HX	Z	Kg
071/090	41	219	15.0
080/090	41	230	15.8
090/090	36.5	284	16.5



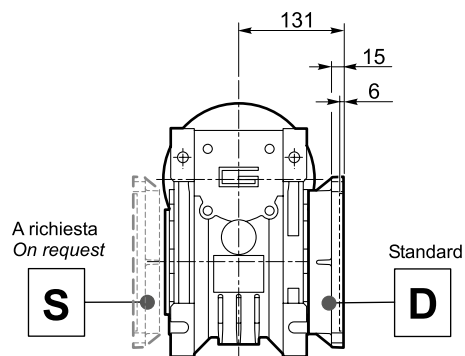
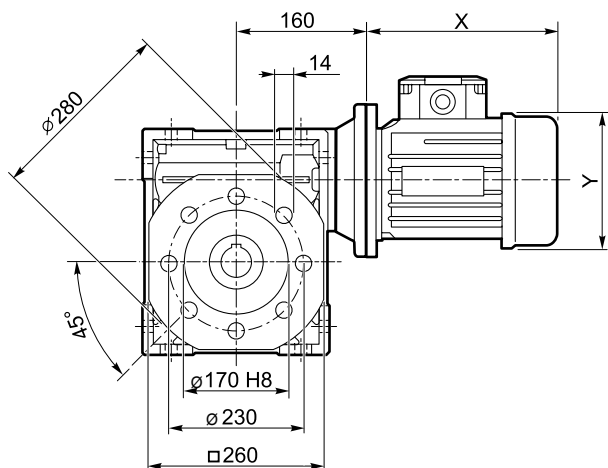
Dimensioni

Dimensions

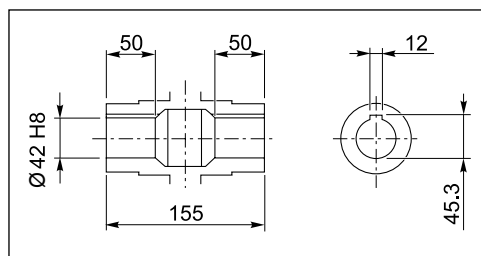
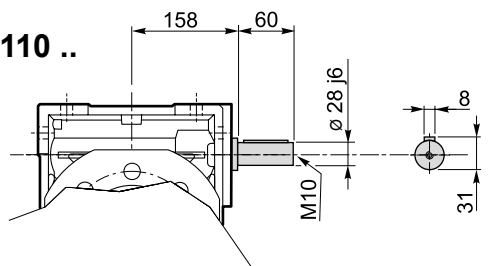
CM 110 U



CM 110 F

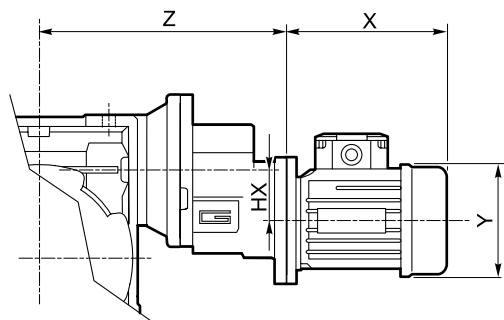


CMIS 110 ..

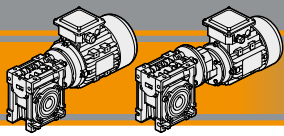


Albero lento cavo / Hollow output shaft

CMP ..



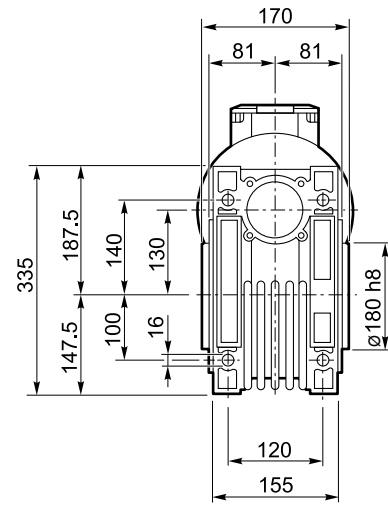
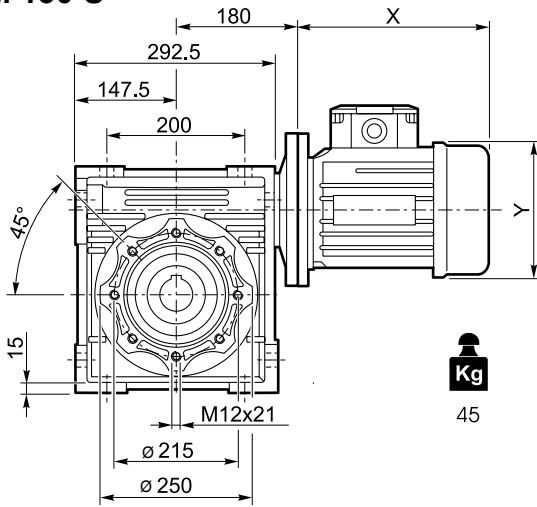
	HX	Z	Kg
080/110	41	260	23.8
090/110	36.5	314	24.5



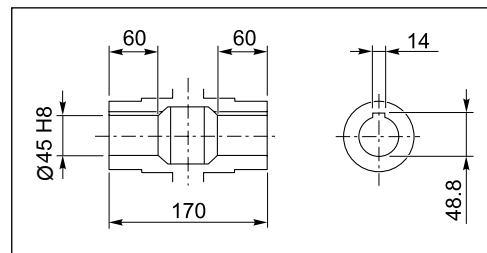
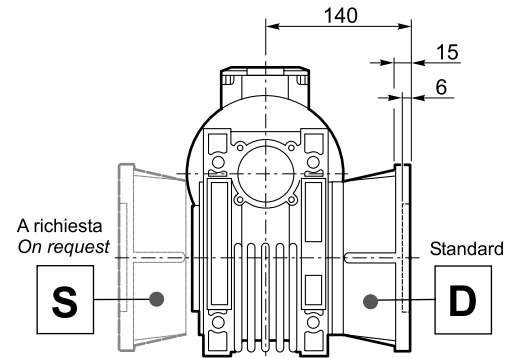
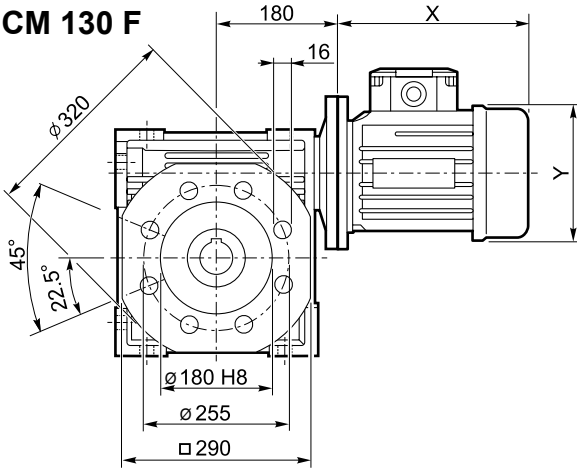
Dimensioni

Dimensions

CM 130 U

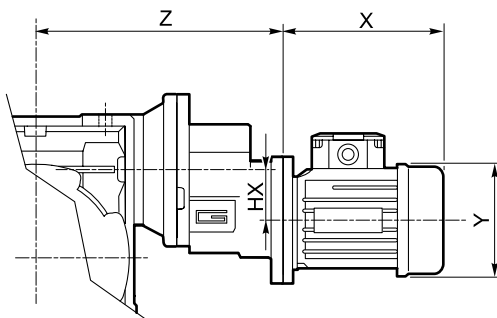


CM 130 F

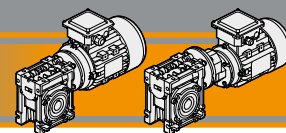


Albero lento cavo / Hollow output shaft

CMP ..



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

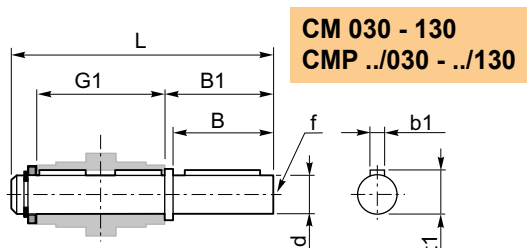
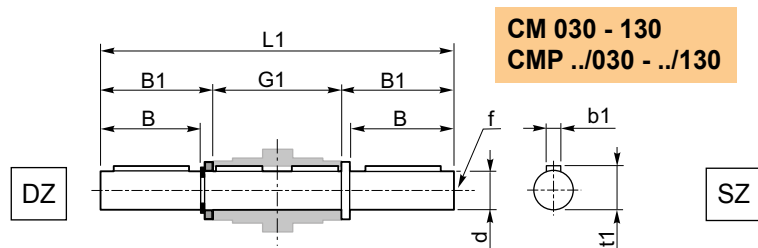


Accessori

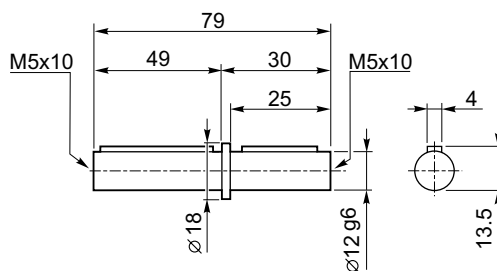
Accessories

Albero lento semplice e doppio

Single and double output shaft



CM 026



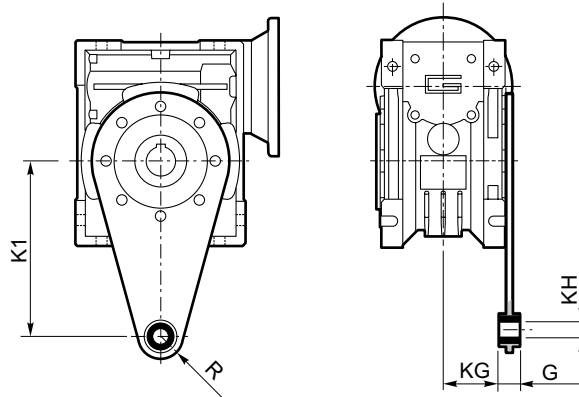
CM	CMP	d _{h7}	B	B1	G1	L	L1	f	b1	t1
030	056/030	14	30	32.5	63	102	128	M6	5	16
040	056/040 063/040	18	40	43	78	128	164	M6	6	20.5
050	063/050 071/050	25	50	53.5	92	153	199	M10	8	28
063	063/063 071/063 080/063	25	50	53.5	112	173	219	M10	8	28
070	071/070 080/070 090/070	28	60	63.5	120	192	247	M10	8	31
075	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

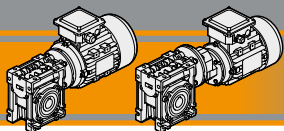
CM/CMP

Braccio di reazione

Torque arm

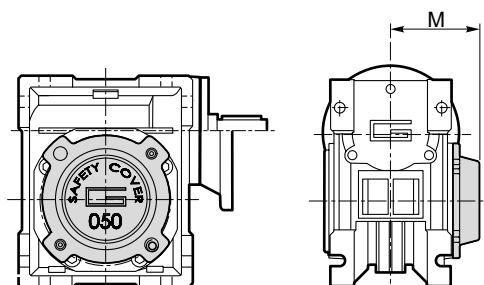
CM	CMP	K1	G	KG	KH	R
030	056/030	85	14	23	8	15
040	056/040 063/040	100	14	31	10	18
050	063/050 071/050	100	14	38	10	18
063	063/063 071/063 080/063	150	14	47.5	10	18
070	071/070 080/070 090/070	200	25	46.5	20	30
075	071/075 080/075 090/075	200	25	46.5	20	30
090	071/090 080/090 090/090	200	25	56.5	20	30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

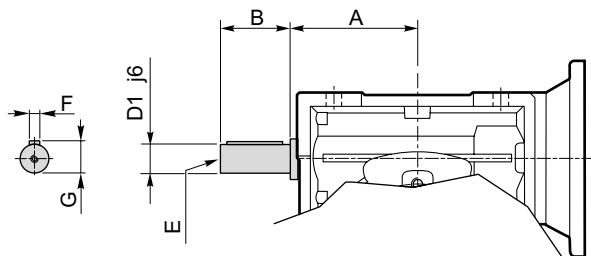



Opzioni

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



Motoriduttori combinati a vite senza fine
Double reduction wormgearmotors

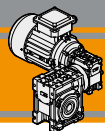




Indice	Index	Pag. Page
Caratteristiche tecniche	<i>Technical features</i>	C2
Designazione	<i>Classification</i>	C2
Esecuzioni di montaggio	<i>Mounting executions</i>	C3
Simbologia	<i>Symbols</i>	C3
Combinazioni rapporti	<i>Combination ratio</i>	C3
Lubrificazione	<i>Lubrication</i>	C4
Dati tecnici	<i>Technical data</i>	C5
Motori applicabili	<i>IEC Motor adapters</i>	C10
Dimensioni	<i>Dimensions</i>	C12
Accessori	<i>Accessories</i>	C16
Opzioni	<i>Options</i>	C16

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**

*This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. **In this case the latest version is available on our web site www.transtecno.com***



CMM

Motoriduttori combinati a vite senza fine Double reduction wormgearmotors

Caratteristiche tecniche

Technical features

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

CMM double reduction worm gearmotors range have the following main features:

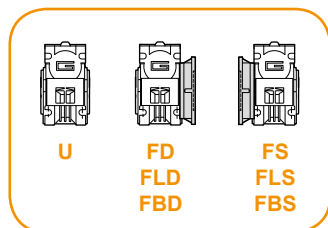
- Carcassa in alluminio nelle grandezze 026, 030, 040, 050, 063, 070, 075, 090 e 110. La grandezza 130 è costruita con carcassa in ghisa;
- Le grandezze 090, 110 e 130 sono fornite con cuscinetti a rulli conici sulla vite;
- Lubrificazione permanente con olio sintetico.
- Die-cast aluminum housing on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

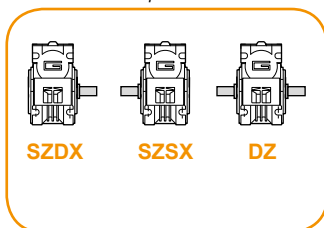
Classification

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 	026/026 026/030 026/040 026/050 030/040	U FD FS FBD FBS	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
CMMIS 	030/050 030/063 040/063 040/070 040/075 040/090 050/110 063/130	FLD FLS									

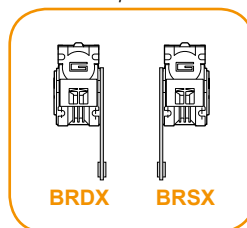
Versione Riduttore
Gearbox Version



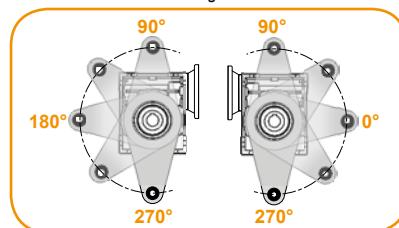
Albero di uscita
Output shaft



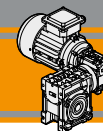
Braccio di reazione
Torque arm



Angolo
Angle

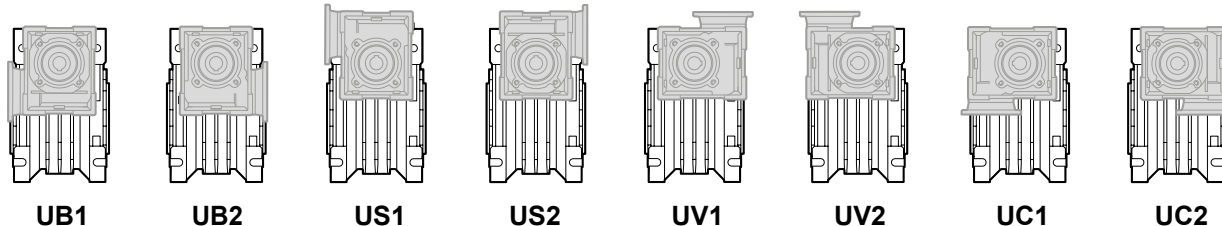


MOTORE CM / CM MOTOR					
0.25kW	4p	3ph	230/400V	50Hz	T1
Potenza Power 	Poli Poles	Fasi Phases	Tensione Voltage	Frequenza Frequency	Pos. morsettiera Terminal box pos.
Vedi tabelle See tables	2p 4p 6p 8p	1ph 3ph	230V 230/400V	50Hz 60Hz	T1 (Std)



Esecuzioni di montaggio

Mounting executions



Simbologia

Symbols

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

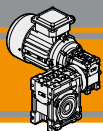
Combinazioni rapporti

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 040/063 - 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

CMM

**Lubrificazione**

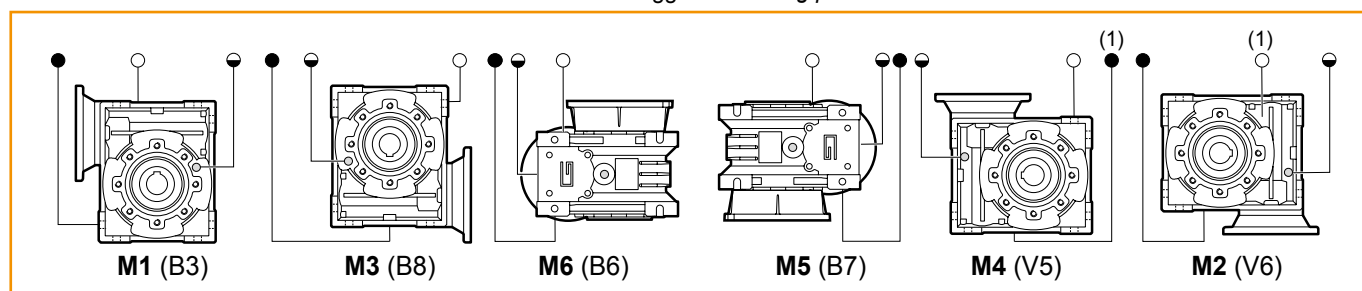
Tutti i motoriduttori nelle taglie 26, 30, 40, 50, 63, 70, 75, 90, 110 sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione. Per la taglia 130 la lubrificazione dipende dalla posizione di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

Lubrication

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

(standard)



















(1): Tappo in posizione posteriore / *Plug in backside position*

- Sfiato e tappo di riempimento / *Breather and filling plug*
- ◐ Livello olio / *Oil level plug*
- Tappo di scarico / *Oil drain plug*

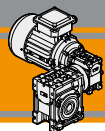


Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i										
0.06							0.06														
56A4 (1400 min ⁻¹)	9.3	33	0.8	150	CMM 026/026		56A4 (1400 min ⁻¹)	3.5	73	1.9	400	CMM 030/050		B5/B14							
	6.2	33	0.8	225				B14	2.8	83	1.5				500	B5/B14					
	4.7	34	0.8	300				B14	2.3	107	1.5				600	B5/B14					
	3.1	34	0.8	450				B14	1.9	128	1.3				750	B5/B14					
	2.3	34	0.8	600				B14	1.6	143	1.1				900	B5/B14					
	1.6	34	0.8	900				B14	1.2	203	0.8				1200	B5/B14					
	1.2	34	0.8	1200				B14	0.93	203	0.8				1500	B5/B14					
	0.9	34	0.8	1500				B14	0.78	203	0.8				1800	B5/B14					
	0.8	34	0.8	1800				B14	0.58	169	0.8				2400	B5/B14					
	0.6	28	0.8	2400				B14	0.47	156	0.8				3000	B5/B14					
	0.5	25	0.8	3000				B14													
	0.4	23	0.8	3600				B14													
	9.3	34	1.1	150				CMM 026/030		2.8	86				2.7	500	CMM 030/063		B5/B14		
	6.2	48	0.8	225						B14	2.3				111	2.8				600	B5/B14
	4.7	50	0.8	300						B14	1.9				133	2.3				750	B5/B14
3.1	50	0.8	450	B14	1.6	148	2.1			900	B5/B14										
2.3	50	0.8	600	B14	1.2	183	1.7			1200	B5/B14										
1.6	50	0.8	900	B14	0.93	214	1.5			1500	B5/B14										
1.2	50	0.8	1200	B14	0.78	243	1.3			1800	B5/B14										
0.93	50	0.8	1500	B14	0.58	292	0.9			2400	B5/B14										
0.78	50	0.8	1800	B14	0.47	290	0.8			3000	B5/B14										
0.58	43	0.8	2400	B14																	
0.47	38	0.8	3000	B14																	
0.39	34	0.8	3600	B14																	
9.3	35	2.5	150	CMM 026/040		2.8	86			2.7	500	CMM 040/063		B5/B14							
6.2	50	1.8	225			B14	2.3			115	2.7				600	B5/B14					
4.7	58	1.5	300			B14	1.9			136	2.3				750	B5/B14					
3.1	82	1.1	450			B14	1.6	155	2.0	900	B5/B14										
2.3	104	0.9	600			B14	1.2	192	1.6	1200	B5/B14										
1.6	113	0.8	900			B14	0.93	221	1.4	1500	B5/B14										
1.2	113	0.8	1200			B14	0.78	256	1.2	1800	B5/B14										
0.93	113	0.8	1500			B14	0.58	308	0.8	2400	B5/B14										
0.78	113	0.8	1800			B14	0.47	290	0.8	3000	B5/B14										
0.58	93	0.8	2400			B14															
0.47	85	0.8	3000			B14															
0.39	78	0.8	3600			B14															
9.3	37	4.4	150			CMM 026/050		1.17	172	2.6	1200				CMM 040/070		B5/B14				
6.2	52	3.1	225					B14	0.93	221	2.0							1500	B5/B14		
4.7	59	2.7	300					B14	0.78	256	1.8							1800	B5/B14		
3.1	83	1.9	450	B14	0.58			308	1.2	2400	B5/B14										
2.3	105	1.5	600	B14	0.47			356	0.9	3000	B5/B14										
1.6	141	1.1	900	B14																	
1.2	174	0.9	1200	B14																	
0.93	203	0.8	1500	B14																	
0.78	203	0.8	1800	B14																	
0.58	169	0.8	2400	B14																	
0.47	156	0.8	3000	B14																	
0.39	141	0.8	3600	B14																	
9.3	36	2.4	150	CMM 030/040				0.93	221	2.5	1500	CMM 040/075		B5/B14							
7.0	46	1.6	200					B14	0.78	256	2.1							1800	B5/B14		
5.6	55	1.2	250					B14	0.58	313	1.5							2400	B5/B14		
4.7	59	1.5	300			B14	0.47	356	1.1	3000	B5/B14										
3.5	72	1.0	400			B14															
2.8	81	0.8	500			B14															
2.3	105	0.9	600			B14															
1.9	113	0.8	750			B14															
1.6	113	0.8	900			B14															
1.2	113	0.8	1200			B14															
0.93	113	0.8	1500			B14															
0.78	113	0.8	1800			B14															
0.58	93	0.8	2400			B14															
0.47	85	0.8	3000			B14															
0.09							0.09														
56B4 (1400 min ⁻¹)	9.3	53	1.6	150	CMM 026/040		56B4 (1400 min ⁻¹)	9.3	53	1.6	150	CMM 026/050		B14							
	6.2	74	1.2	225			B14	6.2	74	1.2	225				B14						
	4.7	87	1.0	300			B14	4.7	87	1.0	300				B14						
	9.3	55	2.9	150			B14	9.3	55	2.9	150				B14						
	6.2	78	2.1	225			B14	6.2	78	2.1	225				B14						
	4.7	89	1.8	300			B14	4.7	89	1.8	300				B14						
	3.1	125	1.3	450			B14	3.1	125	1.3	450				B14						
	2.3	158	1.0	600			B14	2.3	158	1.0	600				B14						
	19	29	2.9	75			CMM 030/040		19	29	2.9				75	CMM 030/040		B5/B14			
	14	39	2.2	100					B14	14	39				2.2				100	B5/B14	
	9.3	53	1.6	150					B14	9.3	53				1.6				150	B5/B14	
	7.0	69	1.1	200					B14	7.0	69				1.1				200	B5/B14	
	4.7	88	1.0	300					B14	4.7	88				1.0				300	B5/B14	

Verificare sempre che la coppia M₂ utilizzata non ecceda il valore indicato nelle caselle in grigio.
Please check that the output torque M₂ does not exceed the value in the grey areas.







CMM

Motoriduttori combinati a vite senza fine Double reduction wormgearmotors

Dati tecnici





Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
0.09							0.12						
56B4 (1400 min ⁻¹)	19	30	5.2	75	CMM	B5/B14	63A4 (1400 min ⁻¹)	19	39	2.1	75	CMM	B5/B14
	14	39	4.0	100	030/050	B5/B14		14	52	1.6	100	030/040	B5/B14
	9.3	56	2.9	150		B5/B14		9.3	71	1.2	150		B5/B14
	7.0	70	2.0	200		B5/B14		7.0	92	0.8	200		B5/B14
	5.6	83	1.5	250		B5/B14						CMM	B5/B14
	4.7	90	1.8	300		B5/B14		19	40	3.9	75	030/050	B5/B14
	3.5	109	1.2	400		B5/B14		14	52	3.0	100		B5/B14
	2.8	124	1.0	500		B5/B14		9.3	74	2.2	150		B5/B14
	2.3	160	1.0	600		B5/B14		7.0	94	1.5	200		B5/B14
	1.9	192	0.8	750		B5/B14		5.6	110	1.1	250		B5/B14
					CMM	B5/B14		4.7	120	1.4	300		B5/B14
	7.0	69	3.8	200	030/063	B5/B14		3.5	146	0.9	400		B5/B14
	5.6	81	2.8	250		B5/B14						CMM	B5/B14
	4.7	93	3.3	300		B5/B14		7.0	92	2.8	200	030/063	B5/B14
	3.5	111	2.3	400		B5/B14		5.6	108	2.1	250		B5/B14
	2.8	129	1.8	500		B5/B14		4.7	124	2.5	300		B5/B14
	2.3	166	1.9	600		B5/B14		3.5	149	1.8	400		B5/B14
	1.9	199	1.6	750		B5/B14		2.8	172	1.3	500		B5/B14
	1.6	222	1.4	900		B5/B14		2.3	221	1.4	600		B5/B14
	1.2	274	1.1	1200		B5/B14		1.9	265	1.2	750		B5/B14
	0.93	320	1.0	1500		B5/B14		1.6	296	1.0	900		B5/B14
	0.78	365	0.9	1800		B5/B14		1.2	365	0.8	1200		B5/B14
					CMM	B5/B14		7.0	92	2.8	200	040/063	B5/B14
	5.6	81	2.8	250		B5/B14		5.6	108	2.1	250		B5/B14
	4.7	93	3.3	300		B5/B14		4.7	124	2.5	300		B5/B14
	3.5	111	2.3	400		B5/B14		3.5	149	1.8	400		B5/B14
	2.8	129	1.8	500		B5/B14		2.8	172	1.3	500		B5/B14
	2.3	172	1.8	600		B5/B14		2.3	230	1.3	600		B5/B14
	1.9	204	1.5	750		B5/B14		1.9	273	1.1	750		B5/B14
	1.6	232	1.3	900		B5/B14		1.6	309	1.0	900		B5/B14
	1.2	287	1.1	1200		B5/B14		1.2	383	0.8	1200		B5/B14
	0.93	320	1.0	1500		B5/B14						CMM	B5/B14
	0.78	385	0.8	1800		B5/B14		3.5	149	2.6	400	040/070	B5/B14
					CMM	B5/B14		2.8	172	2.0	500		B5/B14
	2.8	129	2.6	500		B5/B14		2.3	230	2.0	600		B5/B14
	2.3	172	2.6	600	040/070	B5/B14		1.9	273	1.7	750		B5/B14
	1.9	204	2.2	750		B5/B14		1.6	309	1.5	900		B5/B14
	1.6	232	2.0	900		B5/B14		1.2	383	1.2	1200		B5/B14
	1.2	259	1.8	1200		B5/B14		0.93	442	1.0	1500		B5/B14
	0.93	332	1.4	1500		B5/B14		0.78	513	0.9	1800		B5/B14
	0.78	385	1.2	1800		B5/B14						CMM	B5/B14
					CMM	B5/B14		2.8	172	2.3	500	040/075	B5/B14
	1.6	232	2.4	900		B5/B14		2.3	230	2.4	600		B5/B14
	1.2	287	1.9	1200	040/075	B5/B14		1.9	273	2.0	750		B5/B14
	0.93	332	1.6	1500		B5/B14		1.6	309	1.8	900		B5/B14
	0.78	385	1.4	1800		B5/B14		1.2	383	1.4	1200		B5/B14
	0.58	470	1.0	2400		B5/B14		0.93	442	1.2	1500		B5/B14
					CMM	B5/B14		0.78	513	1.1	1800		B5/B14
	1.2	302	3.1	1200	040/090	B5/B14						CMM	B5/B14
	0.93	348	2.7	1500		B5/B14		1.6	325	2.9	900	040/090	B5/B14
	0.78	404	2.3	1800		B5/B14		1.2	402	2.3	1200		B5/B14
	0.58	496	1.6	2400		B5/B14		0.93	464	2.0	1500		B5/B14
	0.47	577	1.2	3000		B5/B14		0.78	538	1.8	1800		B5/B14
					CMM	B5/B14		0.58	661	1.2	2400		B5/B14
								0.47	769	0.9	3000		B5/B14
												CMM	B5/B14
								0.78	566	2.8	1800	050/110	B5/B14
								0.58	719	2.0	2400		B5/B14
								0.47	855	1.5	3000		B5/B14

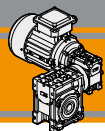


Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.18							0.22						
63B4 (1400 min ⁻¹)	19	59	1.4	75	CMM	B5/B14	63C4 (1400 min ⁻¹)	19	72	1.2	75	CMM	B5/B14
	14	77	1.1	100				030/040	B5/B14	14	95		
	9.3	107	0.8	150									
	19	59	2.6	75	CMM	B5/B14		19	73	2.1	75	CMM	B5/B14
	14	78	2.0	100			030/050	B5/B14		14	96		
	9.3	111	1.4	150				9.3	136	1.2	150		B5/B14
	7.0	140	1.0	200				7.0	171	0.8	200		B5/B14
	5.6	165	0.7	250									
	4.7	179	0.9	300									
	19	60	4.8	75	CMM	B5/B14		19	74	3.9	75	CMM	B5/B14
	14	79	3.6	100			030/063	B5/B14		14	97		
	9.3	110	2.8	150				9.3	134	2.3	150		B5/B14
	7.0	138	1.9	200				7.0	169	1.5	200		B5/B14
	5.6	162	1.4	250				5.6	199	1.2	250		B5/B14
	4.7	186	1.7	300				4.7	227	1.4	300		B5/B14
	3.5	223	1.2	400				3.5	272	1.0	400		B5/B14
	2.8	258	0.9	500									
	2.3	332	0.9	600									
	19	61	4.7	75	CMM	B5/B14		19	75	3.9	75	CMM	B5/B14
	14	79	3.6	100			040/063	B5/B14		14	97		
	9.3	110	2.8	150				9.3	134	2.3	150		B5/B14
	7.0	138	1.9	200				7.0	169	1.5	200		B5/B14
	5.6	162	1.4	250				5.6	199	1.2	250		B5/B14
	4.7	186	1.7	300				4.7	227	1.4	300		B5/B14
	3.5	223	1.2	400				3.5	272	1.0	400		B5/B14
	2.8	258	0.9	500									
	2.3	345	0.9	600									
	7.0	140	2.8	200	CMM	B5/B14		7.0	171	2.3	200	CMM	B5/B14
	5.6	168	2.0	250			040/070	B5/B14		5.6	205		
	4.7	186	2.4	300				4.7	227	2.0	300		B5/B14
	3.5	223	1.7	400				3.5	272	1.4	400		B5/B14
	2.8	258	1.3	500				2.8	315	1.1	500		B5/B14
	2.3	345	1.3	600				2.3	421	1.1	600		B5/B14
	1.9	409	1.1	750				1.9	500	0.9	750		B5/B14
	1.6	464	1.0	900				1.6	567	1.0	900		B5/B14
	5.6	168	2.4	250	CMM	B5/B14		5.6	205	2.0	250	CMM	B5/B14
	4.7	186	2.9	300			040/075	B5/B14		4.7	227		
	3.5	227	2.1	400				3.5	277	1.7	400		B5/B14
	2.8	258	1.6	500				2.8	315	1.3	500		B5/B14
	2.3	345	1.3	600				2.3	421	1.3	600		B5/B14
	1.9	409	1.1	750				1.9	500	1.1	750		B5/B14
	1.6	464	1.2	900				1.6	567	1.0	900		B5/B14
	1.2	575	1.0	1200									
	2.8	278	2.5	500	CMM	B5/B14		2.8	340	2.0	500	CMM	B5/B14
	2.3	362	2.6	600			040/090	B5/B14		2.3	442		
	1.9	429	2.2	750				1.9	525	1.8	750		B5/B14
	1.6	487	1.9	900				1.6	596	1.6	900		B5/B14
	1.2	603	1.6	1200				1.2	737	1.3	1200		B5/B14
	0.93	696	1.4	1500				0.93	851	1.1	1500		B5/B14
	0.78	808	1.2	1800				0.78	987	1.0	1800		B5/B14
	1.2	632	2.5	1200	CMM	B5/B14		1.2	832	2.5	1200	CMM	B5/B14
	0.93	743	2.1	1500			050/110	B5/B14		0.93	981		
	0.78	849	1.9	1800				0.78	1123	1.8	1800		B5/B14
	0.58	1079	1.3	2400				0.58	1430	1.3	2400		B5/B14
	0.47	1282	1.0	3000				0.47	1730	0.9	3000		B5/B14
	0.93	802	2.6	1500	CMM	B5/B14		0.93	981	2.1	1500	CMM	B5/B14
	0.78	919	2.2	1800			063/110	B5/B14		0.78	1123		
	0.58	1170	1.6	2400				0.58	1430	1.3	2400		B5/B14
	0.47	1416	1.1	3000				0.47	1730	0.9	3000		B5/B14

CMM







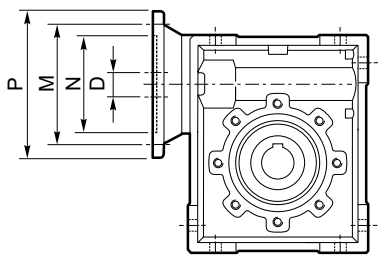
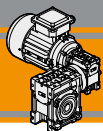
CMM

Motoriduttori combinati a vite senza fine
Double reduction wormgearmotors

Dati tecnici

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i								
0.25							0.37												
71A4 (1400 min ⁻¹)	19	85	3.4	75	CMM 040/063	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14	71B4 (1400 min ⁻¹)	19	125	2.3	75	CMM 040/063	B5/B14 B5/B14 B5/B14 B5/B14						
	14	110	2.6	100				14	163	1.8	100								
	9.3	153	2.0	150				9.3	226	1.3	150								
	7.0	192	1.4	200				7.0	284	0.9	200								
	5.6	226	1.0	250															
	4.7	258	1.2	300				19	127	3.3	75			CMM 040/070	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14				
	3.5	309	0.8	400				14	165	2.5	100								
	19	86	4.9	75			CMM 040/070	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14	14	165	2.5					100			
	14	112	3.7	100						9.3	229					1.9	150		
	9.3	155	2.8	150						7.0	288					1.4	200		
	7.0	195	2.0	200		5.6			345	1.0	250								
	5.6	233	1.5	250		4.7			382	1.2	300								
	4.7	258	1.8	300								CMM 040/075	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14						
	3.5	309	1.2	400		9.3			232	2.3	150								
	2.8	358	0.9	500		7.0			293	1.6	200								
	2.3	479	0.9	600		5.6			345	1.2	250								
	7.0	198	2.4	200	CMM 040/075	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14			4.7	382	1.4			300					
	5.6	233	1.8	250				3.5	466	1.0	400								
	4.7	258	2.1	300								CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14						
	3.5	315	1.5	400				7.0	305	2.6	200								
	2.8	358	1.1	500				5.6	366	1.9	250								
	2.3	479	1.1	600				4.7	401	2.4	300								
	1.9	568	1.0	750				3.5	492	1.7	400								
	1.6	645	0.8	900				2.8	572	1.2	500								
	5.6	247	2.9	250			CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14	2.3	744	1.3	600	CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14					
	4.7	271	3.5	300						1.9	882	1.1			750				
	3.5	332	2.4	400		1.6			1002	0.9	900								
	2.8	387	1.8	500								CMM 050/110			B5/B14 B5/B14 B5/B14 B5/B14 B5/B14				
	2.3	503	1.9	600		5.6			386	3.3	250								
	1.9	596	1.6	750		4.7			412	3.9	300								
	1.6	677	1.4	900		3.5			523	2.8	400								
	1.2	838	1.1	1200		2.8			622	2.0	500								
	0.93	967	1.0	1500		2.3			766	2.1	600								
	2.8	420	3.0	500	CMM 050/110	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14			1.9	921	1.7	750			CMM 050/110	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14			
	2.3	517	3.1	600				1.6	1047	1.5	900								
	1.9	622	2.6	750				1.2	1299	1.2	1200								
	1.6	707	2.3	900				0.93	1526	1.0	1500								
	1.2	878	1.8	1200				0.78	1745	0.9	1800								
	0.93	1031	1.5	1500								CMM 063/130	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14						
	0.78	1179	1.4	1800				1.9	974	2.1	750								
	0.58	1498	1.0	2400				1.6	1124	1.8	900								
	1.2	945	2.2	1200			CMM 063/130	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14	1.2	1399	1.5			1200					
	0.93	1114	1.9	1500						0.93	1649			1.3			1500		
	0.78	1276	1.6	1800		0.78			1889	1.1	1800								
	0.58	1624	1.1	2400								CMM 063/130	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14						
	0.47	1966	0.8	3000															
	1.2	945	2.2	1200										CMM 063/130	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14				
	0.93	1114	1.9	1500		1.9			974	2.1	750								
	0.78	1276	1.6	1800		1.6			1124	1.8	900								
	0.58	1624	1.1	2400		1.2			1399	1.5	1200								
	0.47	1966	0.8	3000		0.93			1649	1.3	1500								
	0.47	1966	0.8	3000		0.78	1889	1.1	1800										
0.55							0.55												
	1.2	945	2.2	1200	CMM 063/130	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14	71C4 (1400 min ⁻¹)	19	186	1.5	75	CMM 040/063	B5/B14 B5/B14 B5/B14						
	0.93	1114	1.9	1500				14	243	1.2	100								
	0.78	1276	1.6	1800				9.3	336	0.9	150								
	0.58	1624	1.1	2400										CMM 040/070	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14				
	0.47	1966	0.8	3000				19	189	2.2	75								
	1.2	945	2.2	1200				14	246	1.7	100								
	0.93	1114	1.9	1500				9.3	340	1.3	150								
	0.78	1276	1.6	1800				7.0	429	0.9	200								
	0.58	1624	1.1	2400										CMM 040/070	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14				
	0.47	1966	0.8	3000				19	189	2.7	75								
	1.2	945	2.2	1200		14	246	2.0	100										
	0.93	1114	1.9	1500		9.3	345	1.5	150										
	0.78	1276	1.6	1800		7.0	435	1.1	200										
	0.58	1624	1.1	2400		4.7	567	1.0	300										
	0.47	1966	0.8	3000						CMM 040/075	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14								
	1.2	945	2.2	1200		19	189	2.7	75										
	0.93	1114	1.9	1500		14	246	2.0	100										
	0.78	1276	1.6	1800		9.3	345	1.5	150										
	0.58	1624	1.1	2400		7.0	435	1.1	200										
	0.47	1966	0.8	3000		4.7	567	1.0	300										
	1.2	945	2.2	1200	CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14	9.3	355	2.5	150	CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14							
	0.93	1114	1.9	1500				7.0	454	1.8			200						
	0.78	1276	1.6	1800				5.6	544	1.3			250						
	0.58	1624	1.1	2400				4.7	596	1.6			300						
	0.47	1966	0.8	3000				3.5	731	1.1			400						
	1.2	945	2.2	1200				2.3	1106	0.9			600						

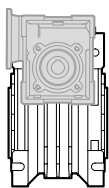


N.B.

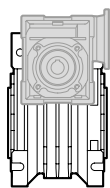
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.
Grey areas indicate motor inputs available on each size of unit.

B/BS = Boccia di riduzione in acciaio

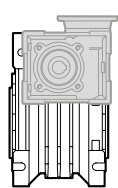
B/BS = Metal shaft sleeve



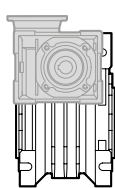
US1



US2

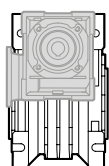


UV1

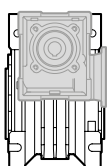


UV2

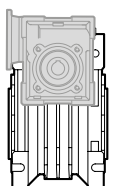
CMM	IEC	N	M	P	D	i ₁							
						10	15	20	30	40	50	60	
026/026	56B14	50	65	80	9								



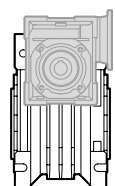
UB1



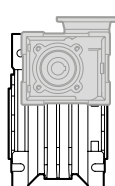
UB2



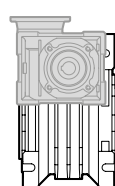
US1



US2

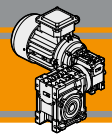


UV1



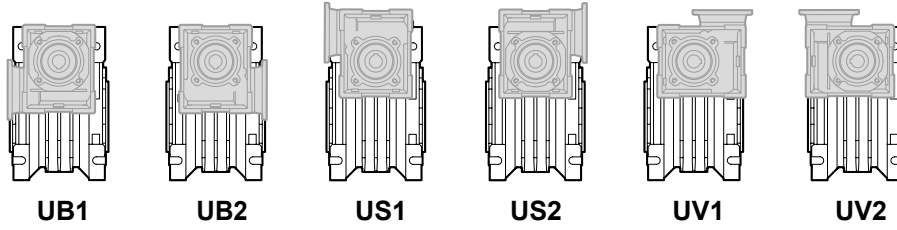
UV2

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								

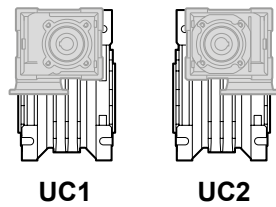


Motori applicabili

IEC Motor adapters

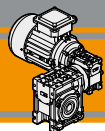


CMM	IEC	N	M	P	D	i ₁								
						7.5	10	15	20	25	30	40	50	60
030/040 030/050 030/063	63B5	95	115	140	11									
	63B14	60	75	90	11									
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	
	56B14	50	65	80	9									
040/063 040/070 040/075 040/090	71B5	110	130	160	14									
	71B14	70	85	105	14									
	63B5	95	115	140	11	B	B	B	B	B	B	B		
	63B14	60	75	90	11									
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	B	B
	56B14	50	65	80	9									
050/110	80B5	130	165	200	19									
	80B14	80	100	120	19									
	71B5	110	130	160	14	B	B	B	B	B	B			
	71B14	70	85	105	14									
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	B	B	B
	63B14	60	75	90	11									
063/130	90B5	130	165	200	24									
	90B14	95	115	140	24									
	80B5	130	165	200	19	B	B	B	B	B	B			
	80B14	80	100	120	19									
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	B	B	B
	71B14	70	85	105	14									
	63B5	95	115	140	11							BS	BS	BS
	63B14	60	75	90	11									



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	9									
030/063	63B5	95	115	140	11									
	63B14	60	75	90	11									
	56B5	80	100	120	9	B	B	B	B	B	B	B		
	56B14	50	65	80	9									
040/063 040/070 040/075 040/090	71B5	110	130	160	14									
	71B14	70	85	105	14									
	63B5	95	115	140	11	B	B	B	B	B	B	B		
	63B14	60	75	90	11									
	56B5	80	100	120	9	BS	BS	BS	BS	BS	BS	BS	B	B
	56B14	50	65	80	9									
050/110	80B14	80	100	120	19									
	71B5	110	130	160	14	B	B	B	B	B	B			
	71B14	70	85	105	14									
	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	B	B	B
063/130	63B14	60	75	90	11									
	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	14									
63B5	95	115	140	11							BS	BS	BS	

CMM



Dimensioni

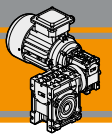
Dimensions

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	

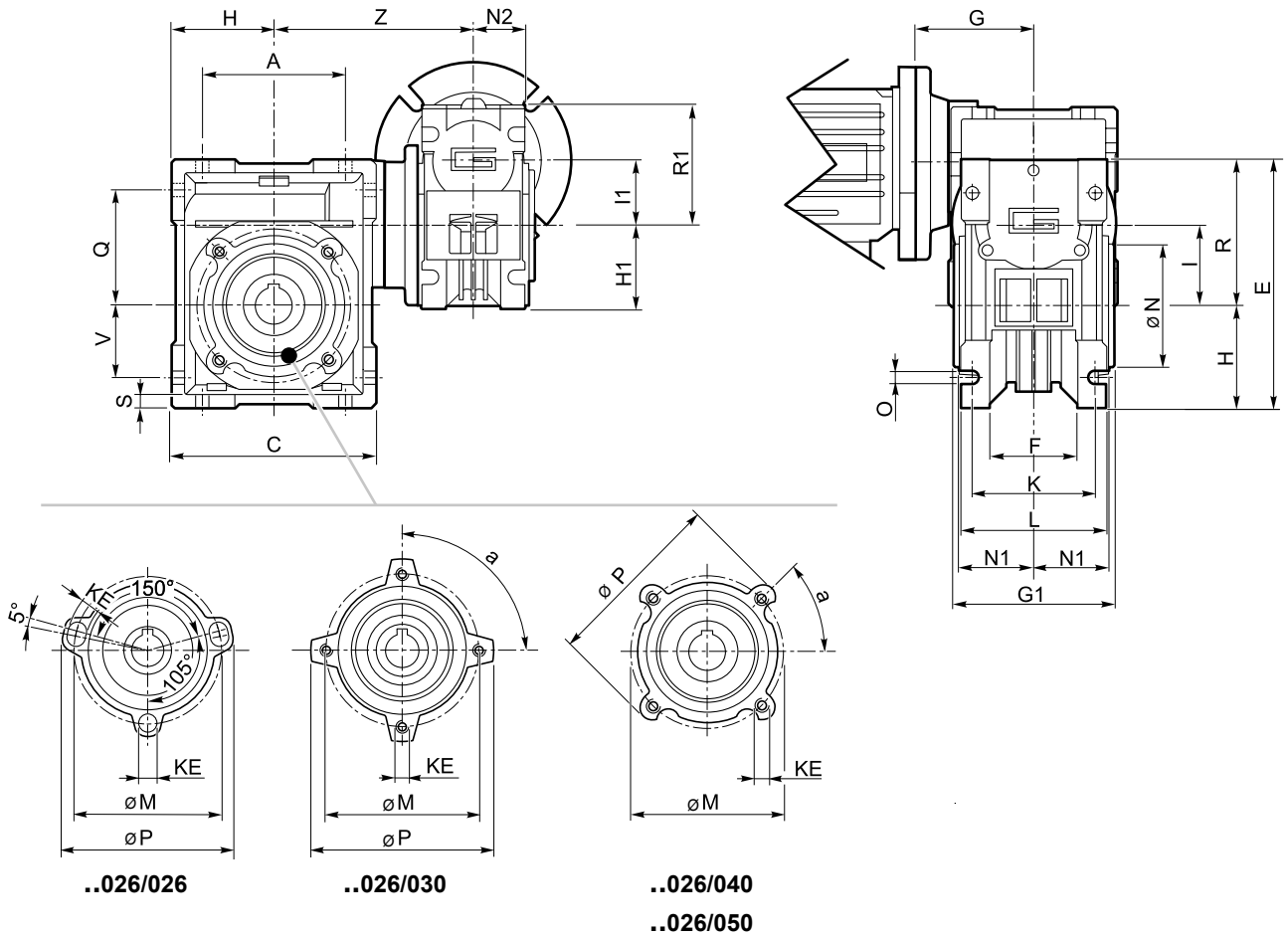
CMMIS						
	A	B	D1 _{j6}	E	F	M
026/026 026/030 026/040 026/050	45	20	9	M4	3	10.2



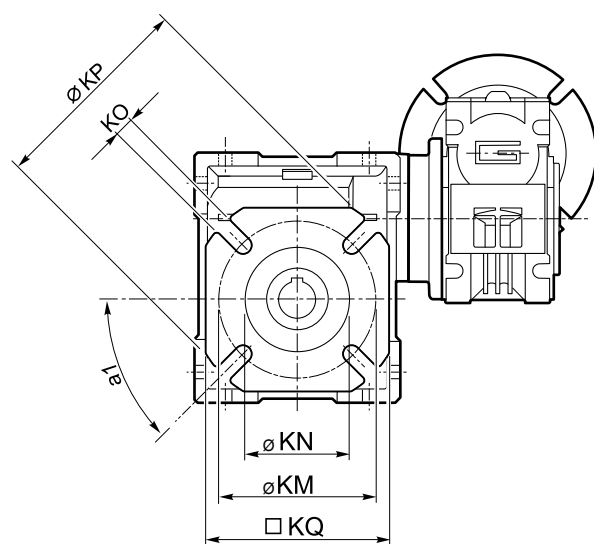
Dimensioni

Dimensions

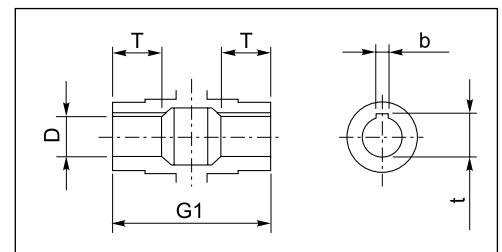
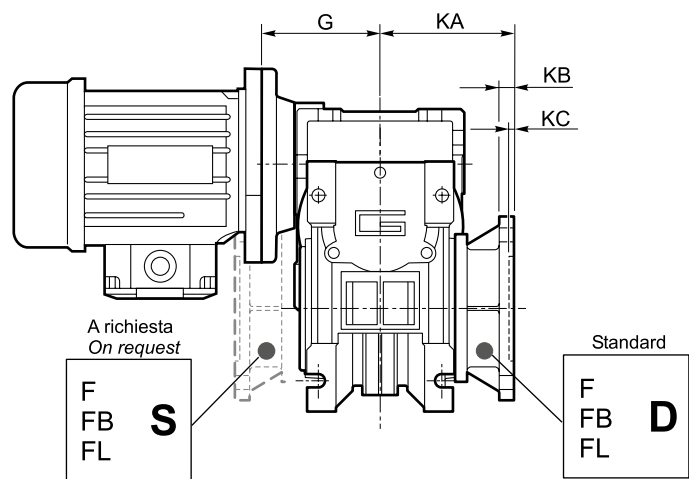
CMM026/..U



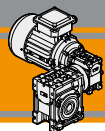
CMM



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



Albero lento cavo / Hollow output shaft



CMM

Motoriduttori combinati a vite senza fine
Double reduction wormgearmotors

Dimensioni

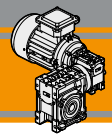
Dimensions

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
040/063	100	144	25	174	67	55	112	72	50	63	40	85	104	95	80	53	36.5
040/070	110	160	28	195	64	70	120	80	50	70	40	90	104	115	95	57	36.5
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	7.5	
040/063	8.5	110	80	102	71.5	8	36	50	155.5	M8x10(n.8)	45°	8	28.3	9.2	
040/070	9	130	91	115	71.5	9	40	55	160	M8x14(n.8)	45°	8	31.3	10.5	
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	KQ	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	112	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	132	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	160	112	10	6	150-160	115	11(n.4)	180	142
040/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	160	112	10	6	150-160	115	11(n.4)	180	142
040/070	45°	111	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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

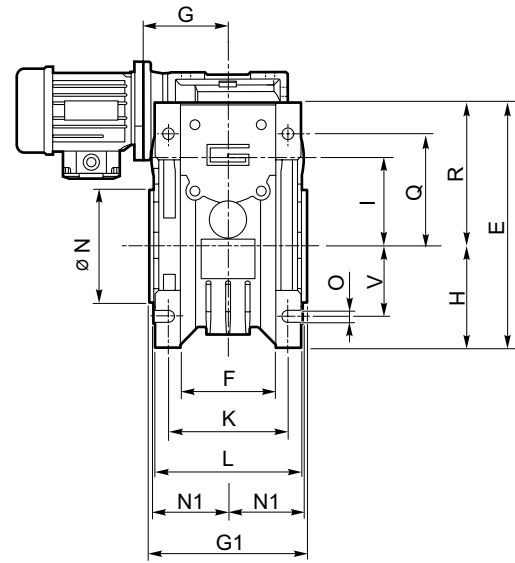
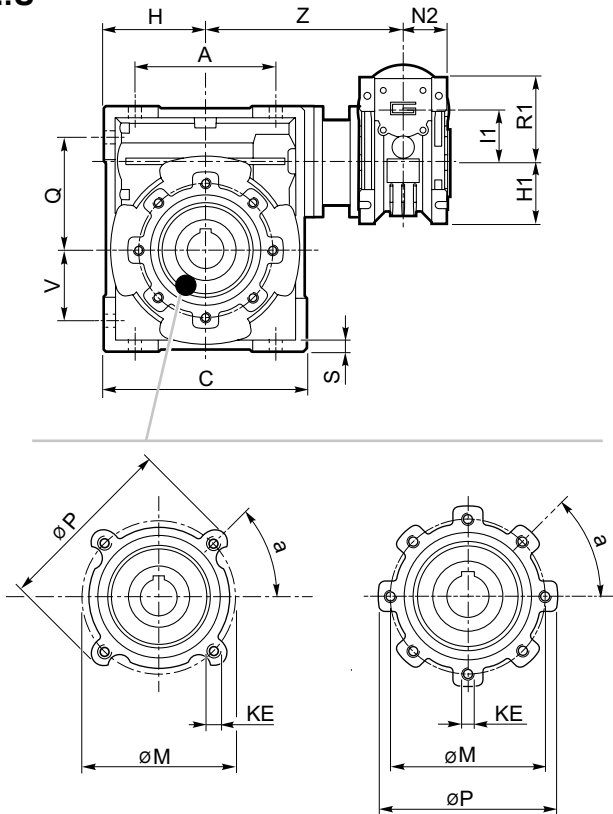
CMMIS						
	A	B	D1 _{j6}	E	F	M
030/040 030/050 030/063	51	20	9	M4	3	10.2
040/063 040/070 040/075 040/090	66	23	11	M5	4	12.5
050/110	76	30	14	M6	5	16
063/130	94.5	40	19	M6	6	21.5



Dimensioni

Dimensions

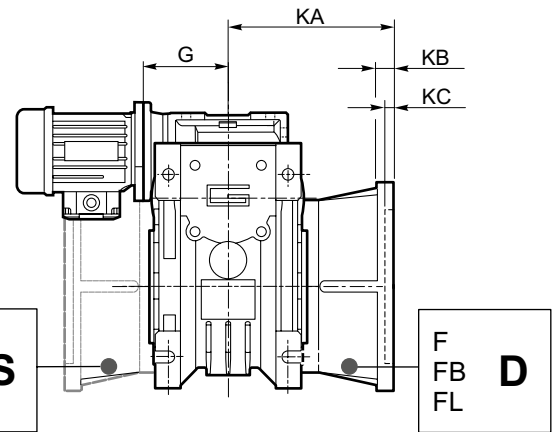
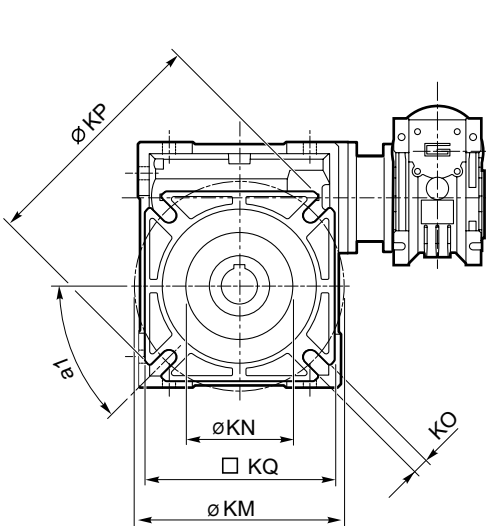
CMM..U



..030/040
..030/050

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

CMM



CMM..F (../030 - ../090)

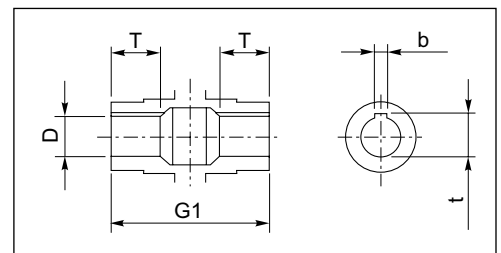
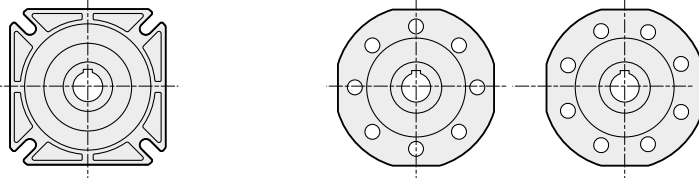
CMM..FB (../040 - ../063)

CMM..FL (../040 - ../063)

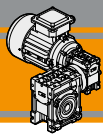
CMM..F

(../110

../130)



Albero lento cavo / Hollow output shaft



CMM

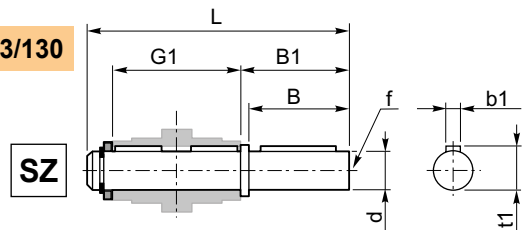
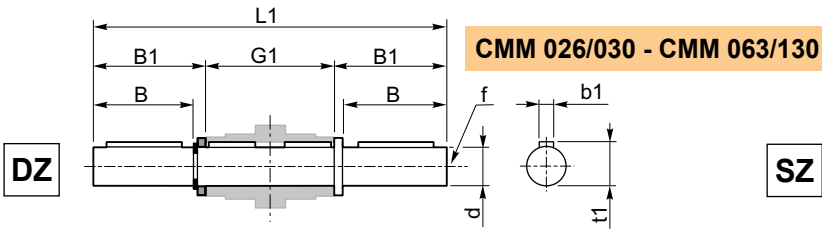
Motoriduttori combinati a vite senza fine
Double reduction wormgearmotors

Accessori

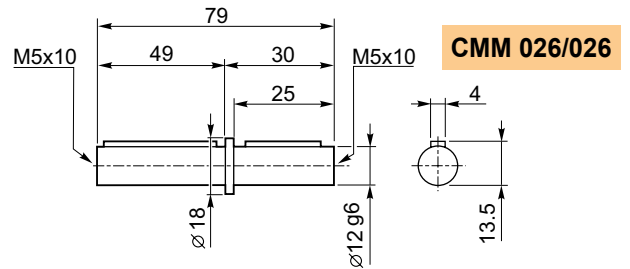
Accessories

Albero lento semplice e doppio

Single and double output shaft



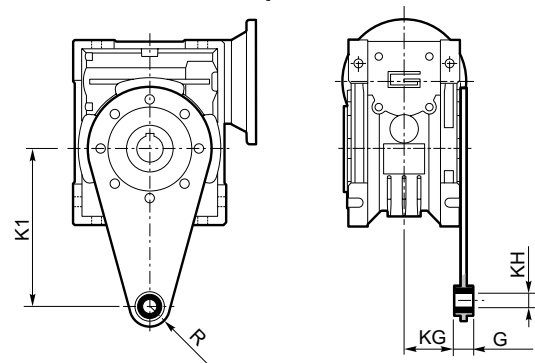
CMM	d _{h7}	B	B1	G1	L	L1	f	b1	t1
026/030	14	30	32.5	63	102	128	M6	5	16
026/040	18	40	43	78	128	164	M6	6	20.5
026/050	25	50	53.5	92	153	199	M10	8	28
030/040	18	40	43	78	128	164	M6	6	20.5
030/050	25	50	53.5	92	153	199	M10	8	28
030/063	25	50	53.5	112	173	219	M10	8	28
040/070	28	60	63.5	120	192	247	M10	8	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



Braccio di reazione

Torque arm

CMM	K1	G	KG	KH	R
026/030	85	14	23	8	15
026/040	100	14	31	10	18
026/050	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

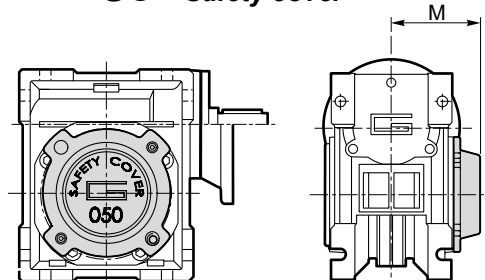
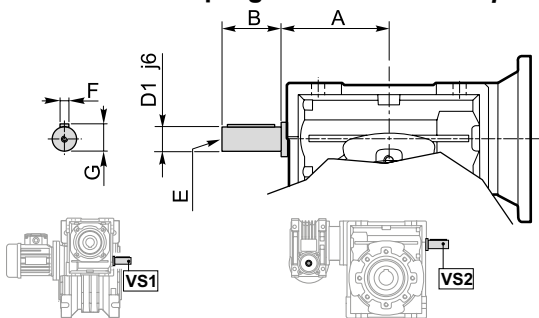


Opzioni

Options

VS1 - VS2 - Vite sporgente / Extended input shaft

SC - Safety cover



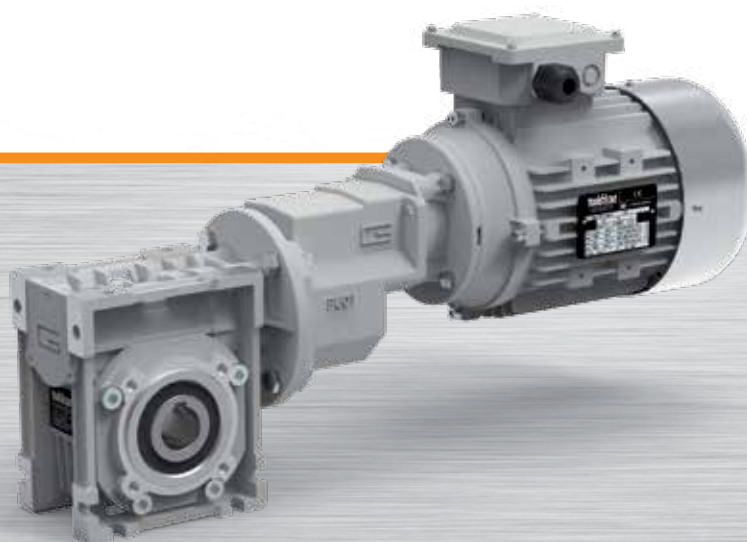
CMM	VS1						VS2					
	A	B	D ₁ j ₆	E	F	G	A	B	D ₁ j ₆	E	F	G
026/030	—	—	—	—	—	—	45	20	9	M4	3	10.2
026/040	—	—	—	—	—	—	53	23	11	M5	4	12.5
026/050	—	—	—	—	—	—	64	30	14	M6	5	16
030/040	45	20	9	M4	3	10.2	53	23	11	M5	4	12.5
030/050	45	20	9	M4	3	10.2	64	30	14	M6	5	16
030/063	45	20	9	M4	3	10.2	75	40	19	M6	6	21.5
040/063	53	23	11	M5	4	12.5	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	—	—	—	—	—	—

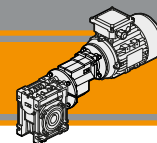
M	CM									
	30	40	50	63	70	75	90	110	130	
	47	54.5	62.5	73	75	79	94	102	117	

Costruito su richiesta
Built on request



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

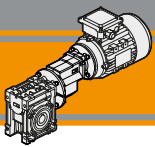




Indice	Index	Pag. Page
Caratteristiche tecniche	<i>Technical features</i>	D2
Designazione	<i>Classification</i>	D2
Sensi di rotazione	<i>Direction of rotation</i>	D3
Simbologia	<i>Symbols</i>	D3
Lubrificazione	<i>Lubrication</i>	D4
Carichi radiali	<i>Radial loads</i>	D4
Motori applicabili	<i>IEC Motor adapters</i>	D5
Dati tecnici	<i>Technical data</i>	D6
Dimensioni	<i>Dimensions</i>	D12
Accessori	<i>Accessories</i>	D14
Opzioni	<i>Options</i>	D14

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**

*This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. **In this case the latest version is available on our web site www.transtecno.com***



CMPU

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

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.

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:

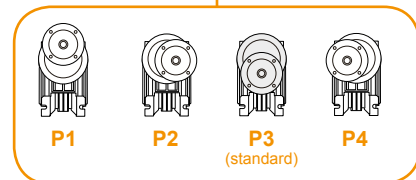
Le caratteristiche principali della serie CMPU sono:

- Carcassa in alluminio pressofuso
- Le grandezze 090 è fornita con cuscinetti a rulli conici sulla vite
- Lubrificazione permanente con olio sintetico
- Die cast aluminium housing
- Double taper roller bearing on size 090
- Permanent synthetic oil long life lubrication

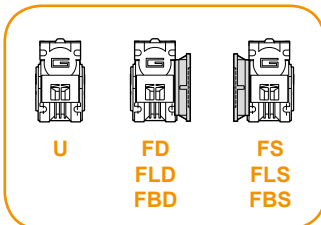
Designazione

Classification

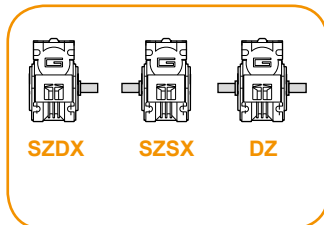
RIDUTTORE A VITE SENZA FINE CON PRECOPPIA / PRE-STAGE WORMGEARBOX											
CMPU	01/050	U	57	71	B14	SZDX	BRSX	90	P4	M1	VS
Tipo Type	Grandezza Size	Versione riduttore Gearbox Version	Rapporto Ratio	IEC 	Forma costruttiva Version	Albero di uscita Output shaft	Braccio di reazione Torque arm	Angolo Angle	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



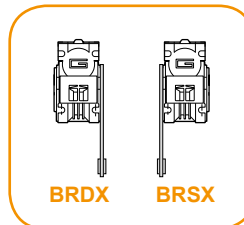
Versione Riduttore
Gearbox Version



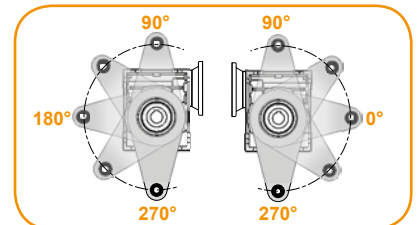
Albero di uscita
Output shaft

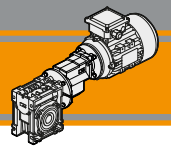


Braccio di reazione
Torque arm



Angolo
Angle





Designazione

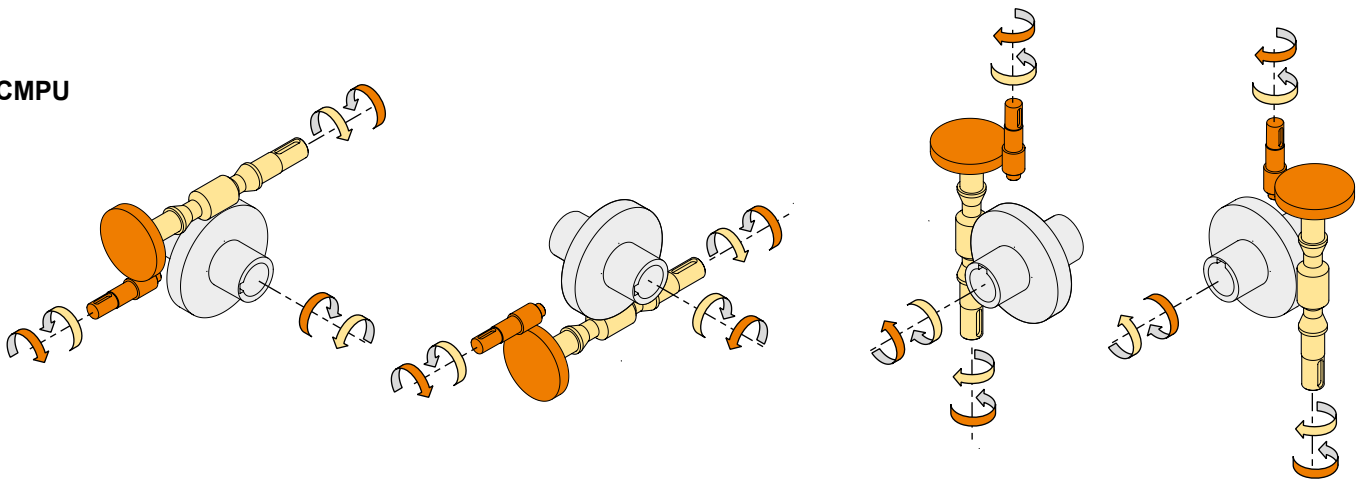
Classification

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

Sensi di rotazione

Direction of rotation

CMPU

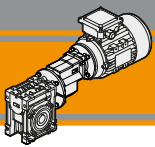


Simbologia

Symbols

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

CMPU



Lubrificazione

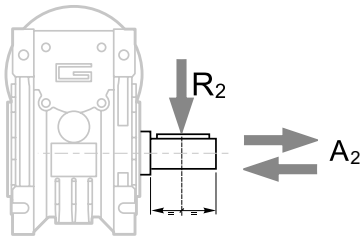
Lubrication

Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio 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

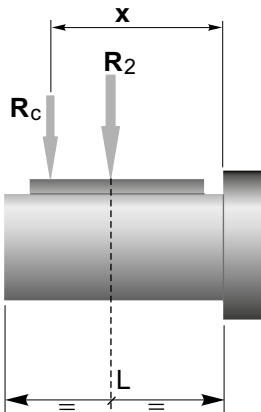


n ₂ [min ⁻¹]	R ₂ [N]				
	CMPU 01/050	CMPU 01/063	CMPU 01/070	CMPU 01/075	CMPU 01/090
47	2805	3874	4141	4475	5009
35	3095	4273	4568	4937	5526
28	3334	4603	4921	5318	5953
23	3559	4915	5254	5678	6356
18	3862	5334	5702	6162	6897
14	4200	5800	6200	6700	7500

$$A_2 = R_2 \times 0.2$$

Quando il carico radiale risultante non è applicato sulla mezza-ria 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:

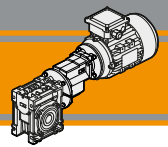


	CMPU				
	01/050	01/063	01/070	01/075	01/090
a	101	120	122	131	182
b	76	95	92	101	122
R _{2MAX}	4200	5800	6200	6700	7500

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

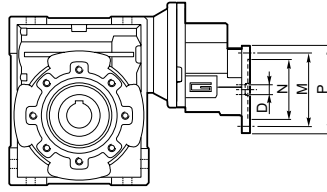
$$R \leq R_c$$

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)
01/050	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90		BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	71B5	110	130	160	14	B	B	B	B	B	B	B	B	B	
	71B14	70	85	105		B	B	B	B	B	B	B	B	B	
	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	
	63B14	60	75	90		BS	BS	BS	BS	BS	BS	BS	BS	BS	
	71B5	110	130	160	14	B	B	B	B	B	B	B	B		
	71B14	70	85	105		B	B	B	B	B	B	B	B		
	80B5	130	165	200	19										
80B14	80	100	120												
01/070	63B5	95	115	140	11	-	BS	BS	BS	BS	BS	BS	BS	BS	
	63B14	60	75	90		-	BS	BS	BS	BS	BS	BS	BS		
	71B5	110	130	160	14	-	B	B	B	B	B	B	B		
	71B14	70	85	105		-	B	B	B	B	B	B	B		
	80B5	130	165	200	19	-									
80B14	80	100	120	-											
01/075	63B5	95	115	140	11	-	BS	BS	BS	BS	BS	BS	BS	BS	
	63B14	60	75	90		-	BS	BS	BS	BS	BS	BS	BS		
	71B5	110	130	160	14	-	B	B	B	B	B	B	B		
	71B14	70	85	105		-	B	B	B	B	B	B	B		
	80B5	130	165	200	19	-									
80B14	80	100	120	-											
01/090	63B5	95	115	140	11	-	BS	BS	BS	BS	BS	BS	BS	BS	
	63B14	60	75	90		-	BS	BS	BS	BS	BS	BS	BS		
	71B5	110	130	160	14	-	B	B	B	B	B	B	B		
	71B14	70	85	105		-	B	B	B	B	B	B	B		
	80B5	130	165	200	19	-									
80B14	80	100	120	-											

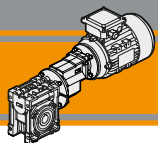
CMPU	IEC	N	M	P	D	i (i ₁ x i ₂)									
						228 (5,7x40)	257.1 (8,57x30)	285 (5,7x50)	342.8 (8,57x40)	428.5 (8,57x50)	456 (5,7x80)	514.2 (8,57x60)	570 (5,7x100)	685.6 (8,57x80)	857 (8,57x100)
01/050	63B5	95	115	140	11		BS								
	63B14	60	75	90			BS								
	71B5	110	130	160	14		B								
	71B14	70	85	105			B								
	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		BS	BS	BS	BS	BS		BS			
	71B5	110	130	160	14	B	B	B	B	B		B			
	71B14	70	85	105		B	B	B	B	B		B			
	80B5	130	165	200	19										
80B14	80	100	120												
01/070	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS		
	63B14	60	75	90		BS	BS	BS	BS	BS	BS	BS	BS		
	71B5	110	130	160	14	B	B	B	B	B	B	B	B		
	71B14	70	85	105		B	B	B	B	B	B	B	B		
	80B5	130	165	200	19										
80B14	80	100	120												
01/075	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS		
	63B14	60	75	90		BS	BS	BS	BS	BS	BS	BS	BS		
	71B5	110	130	160	14	B	B	B	B	B	B	B	B		
	71B14	70	85	105		B	B	B	B	B	B	B	B		
	80B5	130	165	200	19										
80B14	80	100	120												
01/090	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS		
	63B14	60	75	90		BS	BS	BS	BS	BS	BS	BS	BS		
	71B5	110	130	160	14	B	B	B	B	B	B	B	B		
	71B14	70	85	105		B	B	B	B	B	B	B	B		
	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 = Boccia di riduzione in acciaio

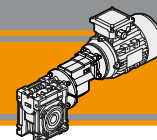
B/BS = Metal shaft sleeve



Dati tecnici





Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.18							0.18								
63B4	49	28	5.3	28.50	CMPU01/050	B5/B14	63B4	12	95	4.9	114.00	CMPU01/075	B5/B14		
(1400 min ⁻¹)	33	41	3.8	42.75			B5/B14	(1400 min ⁻¹)	11	113	4.7			128.55	B5/B14
	25	52	3.0	57.00			B5/B14		9.8	112	3.7			142.50	B5/B14
	22	61	2.5	64.28			B5/B14		8.2	124	4.4			171.00	B5/B14
	16	79	2.0	85.70			B5/B14		6.5	168	2.4			214.25	B5/B14
	12	93	1.5	114.00			B5/B14		6.1	151	3.1			228.00	B5/B14
	11	112	1.4	128.55			B5/B14		5.4	186	2.9			257.10	B5/B14
	9.8	110	1.1	142.50			B5/B14		4.9	172	2.3			285.00	B5/B14
	8.2	120	1.4	171.00			B5/B14		4.1	227	2.1			342.80	B5/B14
									3.3	258	1.6			428.50	B5/B14
	22	62	4.7	64.28	CMPU01/063	B5/B14		3.1	220	1.5	456.00	CMPU01/090	B5/B14		
	16	80	3.6	85.70			B5/B14		2.7	291	1.3			514.20	B5/B14
	12	92	2.8	114.00			B5/B14		2.5	247	1.2			570.00	B5/B14
	11	110	2.8	128.55			B5/B14		2.0	331	1.0			685.60	B5/B14
	9.8	108	2.1	142.50			B5/B14		1.6	372	0.8			857.00	B5/B14
	8.2	124	2.5	171.00			B5/B14								
	6.5	163	1.4	214.25			B5/B14		6.5	178	4.0			214.25	B5/B14
	6.1	148	1.8	228.00			B5/B14		6.1	159	5.1			228.00	B5/B14
	5.4	186	1.7	257.10			B5/B14		5.4	195	4.8			257.10	B5/B14
	4.9	172	1.4	285.00			B5/B14		4.9	186	3.7			285.00	B5/B14
	4.1	223	1.2	342.80	B5/B14		4.1	240	3.4	342.80	B5/B14				
	3.3	258	0.9	428.50	B5/B14		3.3	279	2.5	428.50	B5/B14				
							3.1	242	2.2	456.00	B5/B14				
	12	93	4.2	114.00	CMPU01/070	B5/B14		2.7	316	2.0	514.20	B5/B14			
	11	112	3.9	128.55			B5/B14		2.5	268	1.8	570.00	B5/B14		
	9.8	112	3.1	142.50			B5/B14		2.0	364	1.5	685.60	B5/B14		
	8.2	124	3.7	171.00			B5/B14		1.6	403	1.2	857.00	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										

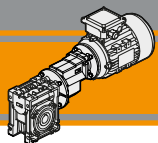


Dati tecnici

Technical data





P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
0.22							0.22						
63C4 (1400 min ⁻¹)	49	34	4.4	28.50	CMPU01/050	B5/B14	63C4 (1400 min ⁻¹)	16	98	4.3	85.70	CMPU01/070	B5/B14
	33	50	3.1	42.75		B5/B14	12	114	3.4	114.00	B5/B14		
	25	64	2.4	57.00		B5/B14	11	136	3.2	128.55	B5/B14		
	22	75	2.1	64.28		B5/B14	9.8	136	2.5	142.50	B5/B14		
	16	96	1.6	85.70		B5/B14	8.2	151	3.0	171.00	B5/B14		
	12	114	1.2	114.00		B5/B14	6.5	205	1.7	214.25	B5/B14		
	11	136	1.2	128.55		B5/B14	6.1	181	2.1	228.00	B5/B14		
	9.8	134	0.9	142.50		B5/B14	5.4	227	2.0	257.10	B5/B14		
	8.2	146	1.1	171.00		B5/B14	4.9	209	1.6	285.00	B5/B14		
							4.1	272	1.4	342.80	B5/B14		
	25	65	4.4	57.00	CMPU01/063	B5/B14	3.3	315	1.1	428.5	CMPU01/075	B5/B14	
	22	76	3.9	64.28		B5/B14	3.1	268	1.0	456.00		B5/B14	
	16	97	3.0	85.70		B5/B14	2.7	348	0.9	514.20		B5/B14	
	12	112	2.3	114.00		B5/B14	2.5	302	0.8	570.00		B5/B14	
	11	134	2.3	128.55		B5/B14	16	98	5.1	85.70		B5/B14	
	9.8	132	1.7	142.50		B5/B14	12	116	4.0	114.00		B5/B14	
	8.2	151	2.1	171.00		B5/B14	11	138	3.8	128.55		B5/B14	
	6.5	198	1.2	214.25		B5/B14	9.8	136	3.0	142.50		B5/B14	
	6.1	181	1.4	228.00		B5/B14	8.2	151	3.6	171.00		B5/B14	
	5.4	227	1.4	257.10		B5/B14	6.5	205	2.0	214.25		B5/B14	
	4.9	209	1.1	285.00	B5/B14	6.1	184	2.5	228.00	B5/B14			
	4.1	272	1.0	342.80	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			

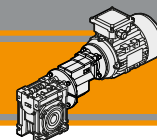
CMPU



Dati tecnici





Technical data

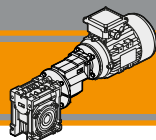
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.25							0.25								
71A4 (1400 min ⁻¹)	49	39	3.9	28.5	CMPU01/050	B5/B14	71A4 (1400 min ⁻¹)	16	111	4.5	85.70	CMPU01/075	B5/B14		
	33	56	2.8	42.75			B5/B14		12	131	3.6			114.00	B5/B14
	25	72	2.1	57.00			B5/B14		11	156	3.4			128.55	B5/B14
	22	85	1.8	64.28			B5/B14		9.8	154	2.7			142.50	B5/B14
	16	109	1.4	85.70			B5/B14		8.2	171	3.2			171.00	B5/B14
	12	129	1.1	114.00			B5/B14		6.5	232	1.8			214.25	B5/B14
	11	154	1.0	128.55			B5/B14		5.4	257	2.1			257.10	B5/B14
	9.8	152	0.8	142.50			B5/B14		6.1	209	2.2			228.00	B5/B14
	8.2	165	1.0	171.00			B5/B14		4.9	237	1.7			285.00	B5/B14
	25	73	3.9	57.00			CMPU01/063	B5/B14		4.1	314			1.5	342.80
	22	86	3.4	64.28	B5/B14				3.3	357	1.1	428.50	B5/B14		
	16	110	2.6	85.70	B5/B14				3.1	304	1.1	456.00	B5/B14		
	12	127	2.0	114.00	B5/B14				2.7	403	0.9	514.20	B5/B14		
	11	152	2.0	128.55	B5/B14				2.5	342	0.8	570.00	B5/B14		
	9.8	150	1.5	142.50	B5/B14				9.8	164	4.3	142.50	CMPU01/090	B5/B14	
	8.2	171	1.8	171.00	B5/B14				8.2	179	5.3	171.00		B5/B14	
	6.5	225	1.0	214.25	B5/B14				6.5	246	2.9	214.25		B5/B14	
	6.1	205	1.3	228.00	B5/B14				6.1	220	3.7	228.00		B5/B14	
	5.4	257	1.2	257.10	B5/B14				5.4	270	3.5	257.10		B5/B14	
	4.9	237	1.0	285.00	B5/B14		4.9	256	2.7	285.00	B5/B14				
	4.1	308	0.8	342.80	B5/B14		4.1	331	2.5	342.80	B5/B14				
	3.3	357	0.9	428.50	B5/B14		3.3	385	1.8	428.50	B5/B14				
	3.1	304	0.9	456.00	B5/B14		3.1	334	1.6	456.00	B5/B14				
	2.7	394	0.8	514.20	B5/B14		2.7	437	1.4	514.20	B5/B14				
	16	111	3.8	85.70	CMPU01/070	B5/B14		2.5	370	1.3	570.00	B5/B14			
	12	129	3.0	114.00			B5/B14		2.0	503	1.1	685.60	B5/B14		
	11	154	2.8	128.55			B5/B14		1.6	557	0.9	857.00	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								



Dati tecnici





Technical data

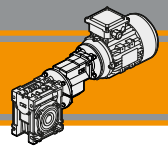
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
0.37							0.37						
71B4 (1400 min ⁻¹)	49	58	2.6	28.50	CMPU01/050	B5/B14	71B4 (1400 min ⁻¹)	25	110	4.6	57.00	CMPU01/075	B5/B14
	33	83	1.9	42.75				22	129	3.8	64.28		
	25	107	1.4	57.00				16	165	3.0	85.70		
	22	125	1.2	64.28				12	194	2.4	114.00		
	16	161	1.0	85.70				11	232	2.3	128.55		
	49	58	4.8	28.50	CMPU01/063	B5/B14		9.8	229	1.8	142.50	CMPU01/090	B5/B14
	33	84	3.5	42.75				8.2	253	2.2	171.00		
	25	108	2.6	57.00				6.5	344	1.2	214.25		
	22	127	2.3	64.28				6.1	310	1.5	228.00		
	16	163	1.8	85.70				5.4	381	1.4	257.10		
	12	189	1.4	114.00				4.9	352	1.1	285.00		
	11	225	1.3	128.55				4.1	466	1.0	342.80		
	9.8	222	1.0	142.50				3.3	529	0.8	428.50		
	8.2	253	1.2	171.00				16	169	4.4	85.70		
	6.5	333	0.7	214.25				12	203	4.0	114.00		
	6.1	304	0.9	228.00		11	238	3.7	128.55				
	5.4	381	0.8	257.10		9.8	243	2.9	142.50				
	4.9	352	0.7	285.00		8.2	266	3.5	171.00				
	25	110	3.8	57.00	CMPU01/070	B5/B14		6.5	365	1.9	214.25		B5/B14
	22	129	3.1	64.28				6.1	327	2.5	228.00		B5/B14
	16	165	2.5	85.70				5.4	400	2.4	257.10		B5/B14
	12	191	2.0	114.00				4.9	380	1.8	285.00		B5/B14
	11	229	1.9	128.55				4.1	491	1.7	342.80		B5/B14
	9.8	229	1.5	142.50				3.3	571	1.2	428.50		B5/B14
	8.2	253	1.8	171.00				3.1	496	1.1	456.00		B5/B14
	6.5	344	1.0	214.25				2.7	648	1.0	514.20		B5/B14
	6.1	304	1.2	228.00				2.5	549	0.9	570.00		B5/B14
	5.4	381	1.2	257.10									
	4.9	352	1.0	285.00									
	4.1	457	0.8	342.80									



Dati tecnici





Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i							
0.55							0.55											
71C4 (1400 min ⁻¹)	49	86	1.7	28.50	CMPU01/050	B5/B14	80A4 (1400 min ⁻¹)	25	168	4.5	57.00	CMPU01/090	B5/B14					
	33	124	1.3	42.75			B5/B14		22	196	3.6			64.28	B5/B14			
	25	159	1.0	57.00			B5/B14		16	252	3.0			85.70	B5/B14			
	22	187	0.8	64.28			B5/B14		12	302	2.7			114.00	B5/B14			
	49	86	3.2	28.50	CMPU01/063	B5/B14		11	354	2.5	128.55	B5/B14						
	33	126	2.3	42.75			B5/B14		9.8	361	2.0		142.50	B5/B14				
	25	161	1.8	57.00			B5/B14		8.2	396	2.4		171.00	B5/B14				
	22	189	1.5	64.28			B5/B14		6.5	543	1.3		214.25	B5/B14				
	16	243	1.2	85.70			B5/B14		6.1	486	1.7		228.00	B5/B14				
	12	281	0.9	114.00			B5/B14		5.4	595	1.6		257.10	B5/B14				
	11	335	0.9	128.55			B5/B14		4.9	566	1.2		285.00	B5/B14				
	9.8	330	0.7	142.50			B5/B14		4.1	731	1.1		342.80	B5/B14				
	8.2	377	0.8	171.00			B5/B14		3.3	850	0.8		428.50	B5/B14				
	33	127	3.2	42.75			CMPU01/070	B5/B14		49	86		1.7	28.50	CMPU01/050	B5/B14		
	25	163	2.6	57.00	B5/B14				33	124	1.3	42.75	B5/B14					
	22	191	2.1	64.28	B5/B14				25	159	1.0	57.00	B5/B14					
	16	246	1.7	85.70	B5/B14				22	187	0.8	64.28	B5/B14					
	12	285	1.4	114.00	CMPU01/063	B5/B14		49	86	3.2	28.50	CMPU01/063	B5/B14					
	11	340	1.3	128.55			B5/B14		33	126	2.3			42.75	B5/B14			
	9.8	340	1.0	142.50			B5/B14		25	161	1.8			57.00	B5/B14			
	8.2	377	1.2	171.00			B5/B14		22	189	1.5			64.28	B5/B14			
	6.5	512	0.7	214.25			B5/B14		16	243	1.2			85.70	B5/B14			
	6.1	452	0.8	228.00			B5/B14		12	281	0.9			114.00	B5/B14			
	5.4	567	0.8	257.10			B5/B14		11	335	0.9			128.55	B5/B14			
	9.8	330	0.7	142.50			CMPU01/075	B5/B14		9.8	330			0.7	142.50	B5/B14		
	8.2	377	0.8	171.00					B5/B14		8.2			377	0.8		171.00	B5/B14
	33	127	3.8	42.75					B5/B14		33			127	3.2		42.75	CMPU01/070
	25	163	3.1	57.00	B5/B14				25	163	2.6	57.00						
	22	191	2.5	64.28	B5/B14				22	191	2.1	64.28						
	16	246	2.0	85.70	B5/B14				16	246	1.7	85.70						
	12	289	1.6	114.00	B5/B14				12	285	1.4	114.00						
	11	345	1.5	128.55	B5/B14				11	340	1.3	128.55						
	9.8	340	1.2	142.50	B5/B14				9.8	340	1.0	142.50						
	8.2	377	1.5	171.00	B5/B14				8.2	377	1.2	171.00						
	6.5	512	0.8	214.25	B5/B14		6.5	512	0.7	214.25								
	6.1	461	1.0	228.00	B5/B14		6.1	452	0.8	228.00								
	5.4	567	1.0	257.10	B5/B14		5.4	567	0.8	257.10								
	4.9	524	0.8	285.00	B5/B14		4.9	524	0.8	285.00								

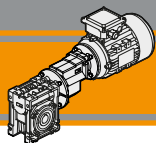


Dati tecnici

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i											
0.55							0.75															
80A4 (1400 min ⁻¹)	33	127	3.8	42.75	CMPU01/075	B5/B14	80B4 (1400 min ⁻¹)	33	174	2.8	42.75	CMPU01/075	B5/B14									
	25	163	3.1	57.00				25	223	2.3	57.00											
	22	191	2.5	64.28				22	261	1.9	64.28			CMPU01/090	B5/B14							
	16	246	2.0	85.70				16	335	1.5	85.70											
	12	289	1.6	114.00				12	395	1.2	114.00											
	11	345	1.5	128.55				11	471	1.1	128.60											
	9.8	340	1.2	142.50				9.8	465	0.9	142.50											
	8.2	377	1.5	171.00				8.2	515	1.1	171.00											
	6.5	512	0.8	214.25				6.5	629	0.7	228.00											
	6.1	461	1.0	228.00				CMPU01/090	B5/B14	33	178					4.0	42.75					
	5.4	567	1.0	257.10	25	229				3.3	57.00											
	4.9	524	0.8	285.00	22	268				2.6	64.28											
	CMPU01/090	25	168	4.5	57.00	16				344	2.2	85.70										
		22	196	3.6	64.28	12				412	2.0	114.00										
		16	252	3.0	85.70	11				484	1.8	128.55										
		12	302	2.7	114.00	9.8				493	1.4	142.50										
		11	354	2.5	128.55	8.2				541	1.7	171.00										
		9.8	361	2.0	142.50	6.5				742	1.0	214.25										
		8.2	396	2.4	171.00	6.1				664	1.2	228.00										
		6.5	543	1.3	214.25	5.4		813	1.2	257.10												
6.1		486	1.7	228.00	4.9	772	0.9	285.00														
5.4		595	1.6	257.10	4.1	998	0.8	342.80														
4.9	566	1.2	285.00	CMPU01/050	B5/B14	80C4 (1400 min ⁻¹)	49	172	0.9	28.50	CMPU01/063	B5/B14										
4.1	731	1.1	342.80				33	251	1.2	42.75												
3.3	850	0.8	428.50				25	323	0.9	57.00												
CMPU01/090	B5/B14	CMPU01/070	B5/B14				CMPU01/070	B5/B14	CMPU01/070	B5/B14			CMPU01/075	B5/B14								
															49	117	2.4	28.50	16	446	0.7	85.50
															33	172	1.7	42.75	33	255	1.6	42.75
															25	220	1.3	57.00	25	327	1.3	57.00
															22	258	1.1	64.28	16	452	1.0	85.50
															16	331	0.9	85.70	33	255	1.9	42.75
															12	383	0.7	114.00	25	327	1.5	57.00
				11	458	0.7					128.60	16			459	1.2	85.50					
				CMPU01/070	B5/B14	CMPU01/070					B5/B14	CMPU01/070			B5/B14	CMPU01/070	B5/B14	CMPU01/075	B5/B14			
																				33	174	2.3
25	223	1.9	57.00				33	261	2.7	42.75												
22	261	1.5	64.28				25	335	2.2	57.00												
16	335	1.2	85.70				16	471	1.8	85.50												
12	389	1.0	114.00				12	603	1.3	114.00												
11	464	0.9	128.60				9.8	723	1.0	142.50												
9.8	465	0.7	142.50				8.2	792	1.2	171.00												
8.2	515	0.9	171.00				6.1	972	0.8	228.00												
CMPU01/070	B5/B14	CMPU01/070	B5/B14				CMPU01/070	B5/B14	CMPU01/090	B5/B14			CMPU01/090	B5/B14								

CMPU



CMPU

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

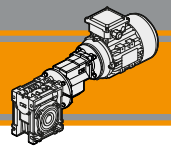
Dimensioni

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

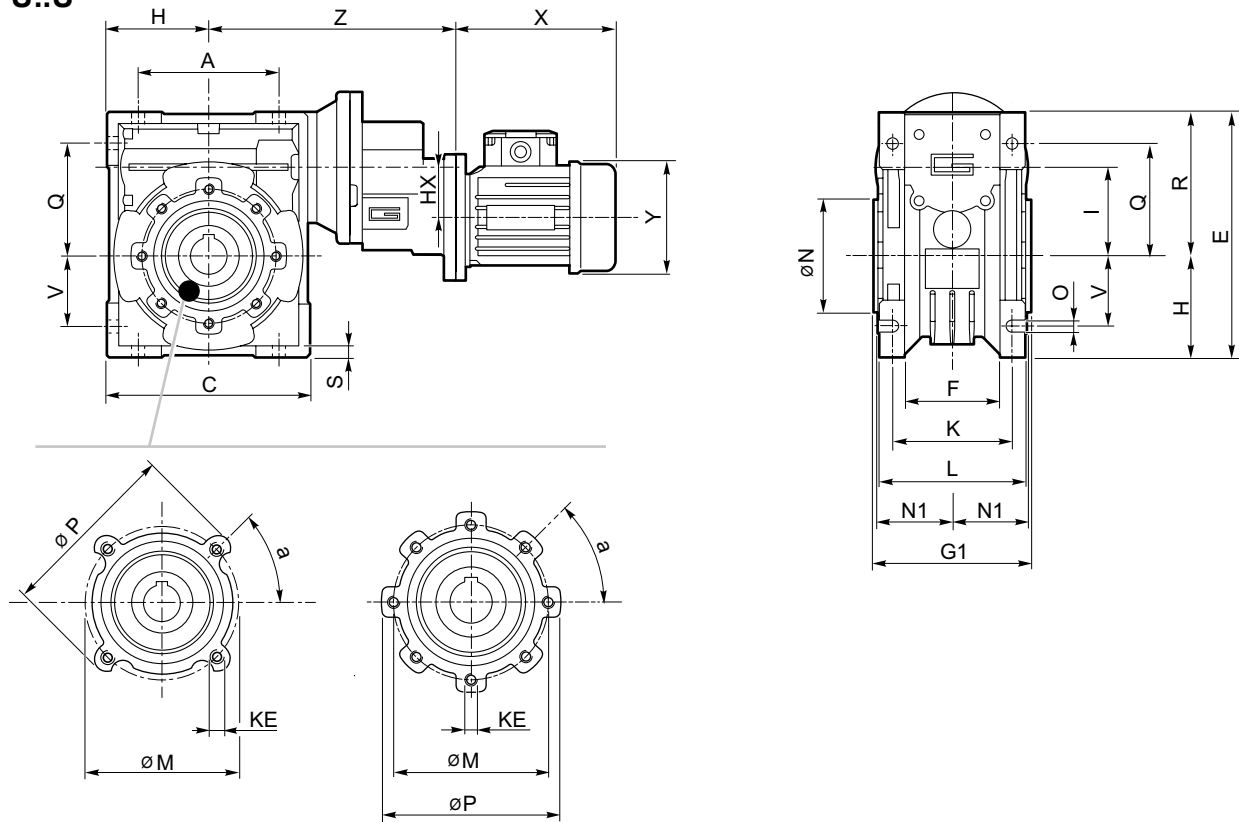
	CMPU..F								CMPU..FB								CMPU..FL									
	a1	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ	KA	KB	KC	KM	KN _{H8}	KO	KP	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ		
01/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	120	9	5	90-110	70	11(n.4)	125	110		
01/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10	5	165-180	130	11(n.4)	200	112	10	6	150-160	115	11(n.4)	180	142		
01/070	45°	111	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

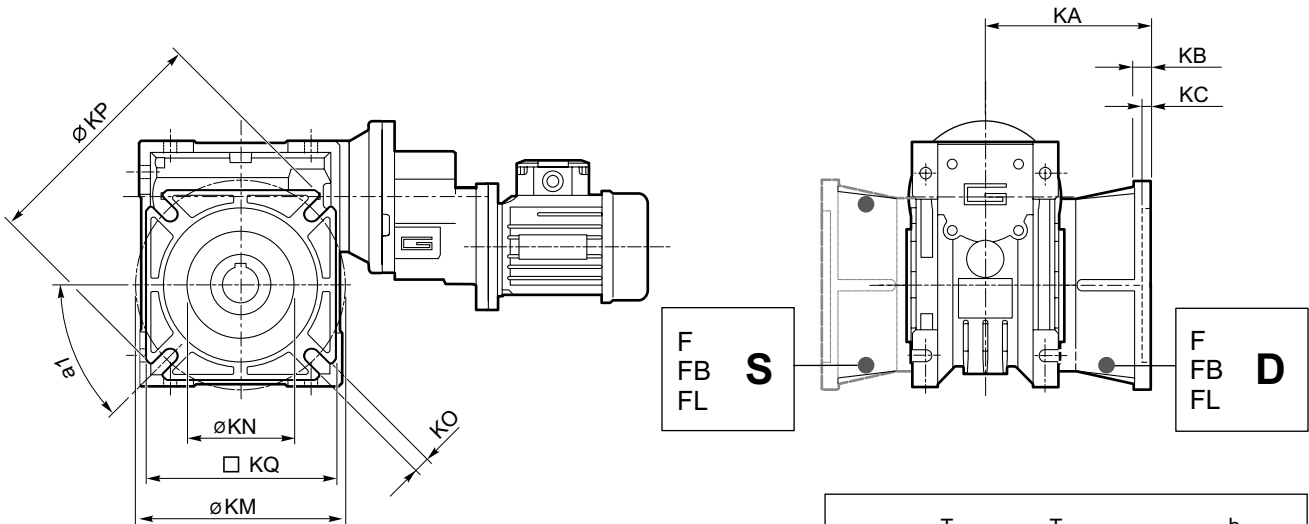
Dimensions

CMPU..U

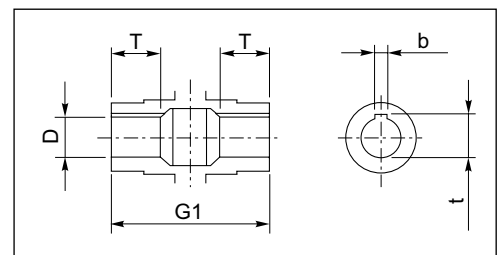


..01/050

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

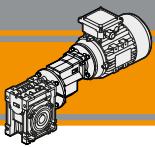


CMPU..F (..01/050 - .. 01/090)
CMPU..FB (.. 01/050 - .. 01/063)
CMPU..FL (.. 01/050 - .. 01/063)



Albero lento cavo / Hollow output shaft

CMPU

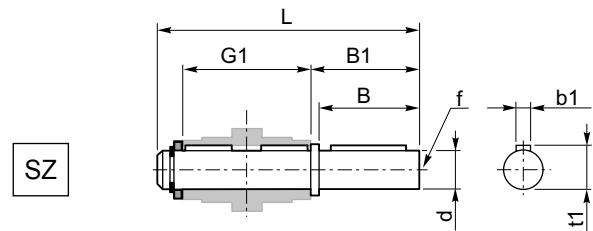
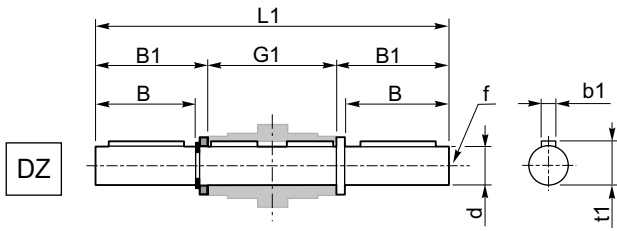


Accessori

Accessories

Albero lento semplice e doppio

Single and double output shaft

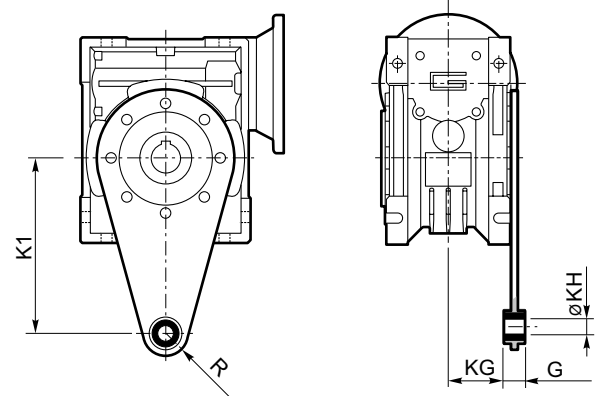


CMPU	d _{h7}	B	B1	G1	L	L1	f	b1	t1
01/050	25	50	53.5	92	153	199	M10	8	28
01/063	25	50	53.5	112	173	219	M10	8	28
01/070	28	60	63.5	120	192	247	M10	8	31
01/075	28	60	63.5	120	192	247	M10	8	31
01/090	35	80	84.5	140	234	309	M12	10	38

Braccio di reazione

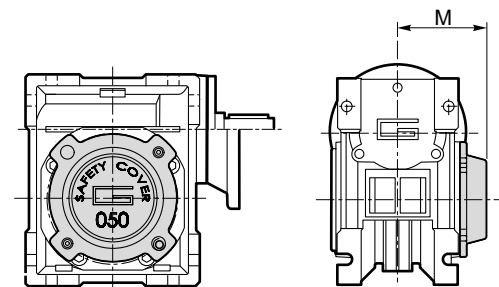
Torque arm

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

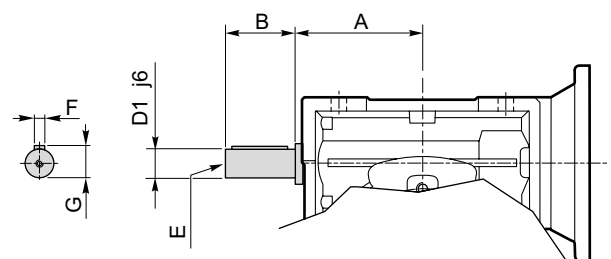


Opzioni

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

Appendice
Appendix

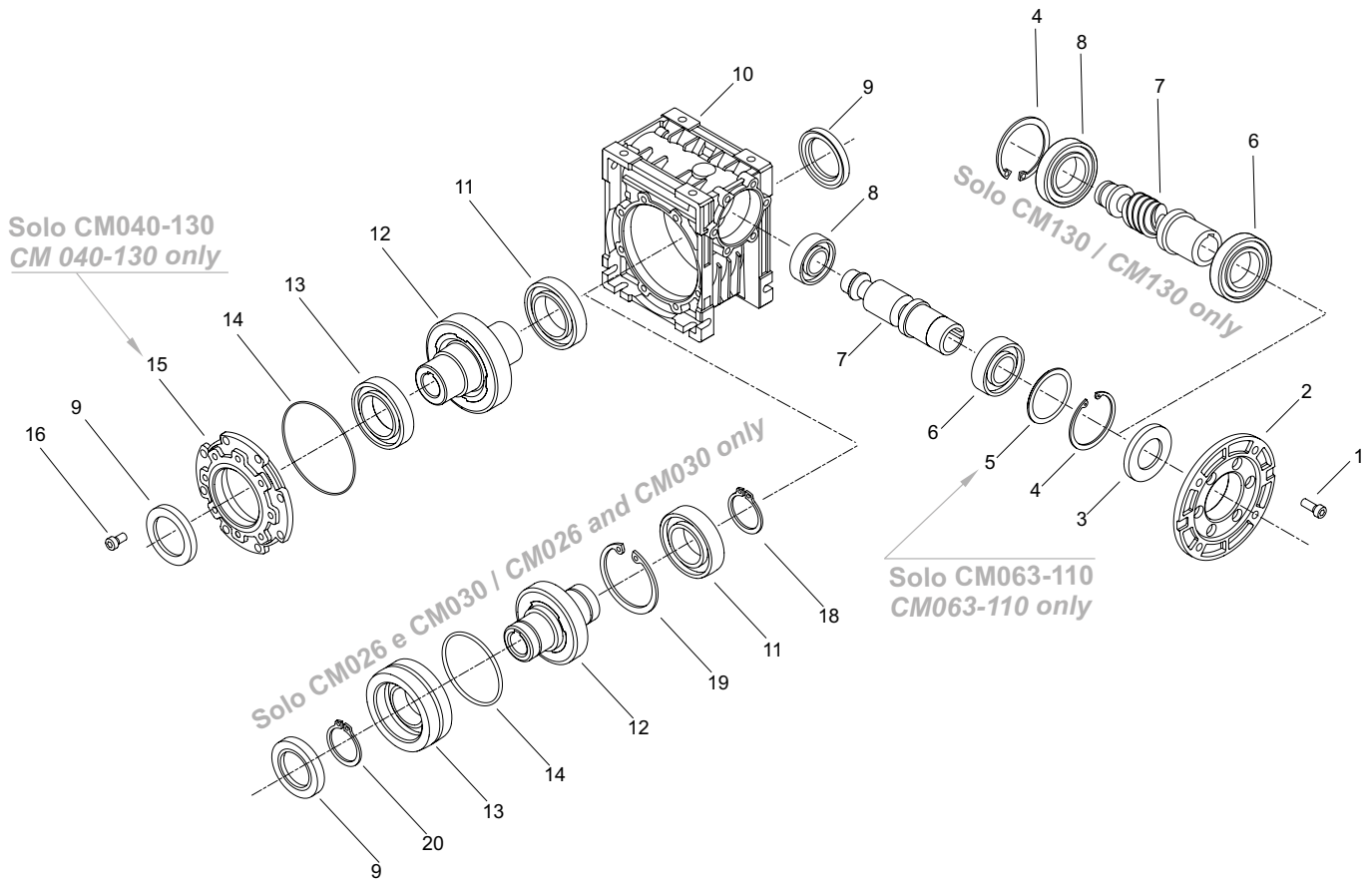


Indice	Index	Pag. Page
Liste parti di ricambio	<i>Spare parts list</i>	
CM026..CM130	<i>CM026..CM130</i>	E2
PU	<i>PU</i>	E3
Boccole di riduzione in acciaio	<i>Metal shaft sleeves</i>	E3

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**

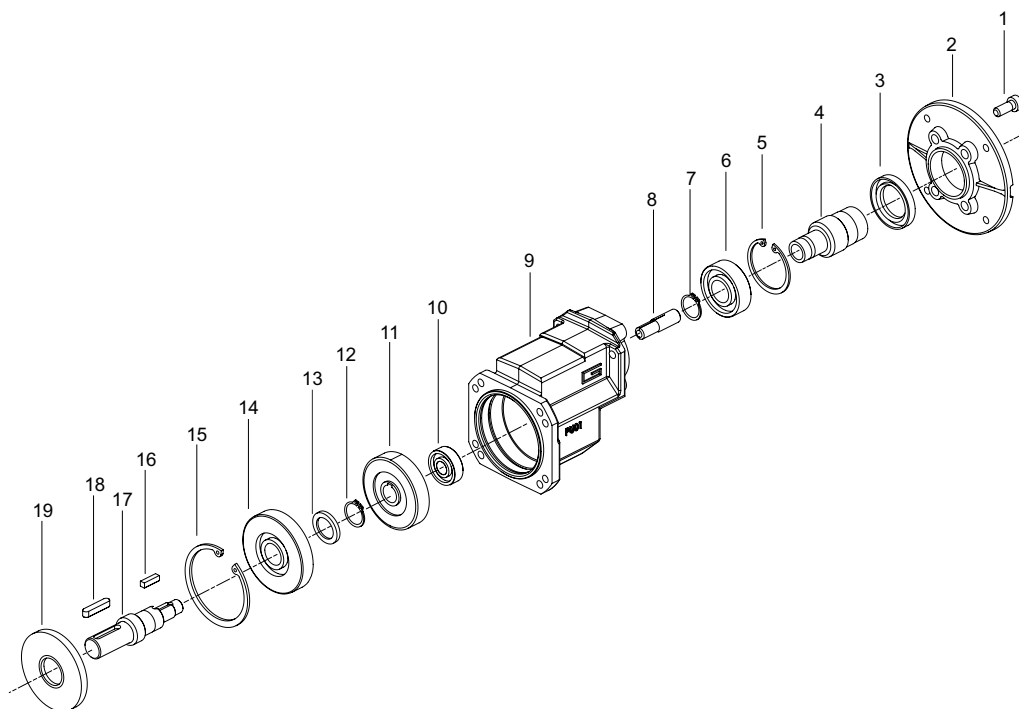
*This section replaces any previous edition and revision. If you obtained this catalogue other than through controlled distribution channels, the most up to date content is not guaranteed. **In this case the latest version is available on our web site www.transtecno.com***

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	50/65/8	70/90/10

PU

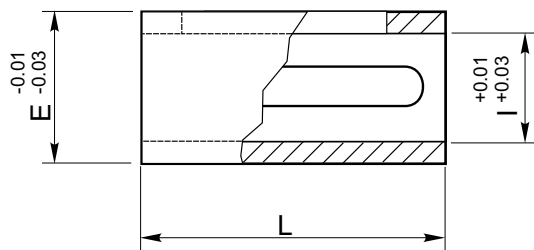


PU	Anelli di tenuta / Oil seals	
	3	19
01	30/47/7	25/72/7

Boccole di riduzione in acciaio

Metal shaft sleeves

B / BS



Tipo / Type	Dimensioni mm. / Dimensions mm.		
	E	I	L
B 0911	11	9	22
B 1114	14	11	28
B 1419	19	14	40
B 1924	24	19	50
B 2428	28	24	60
B 2838	38	28	70
BS 0914	14	9	26
BS 1119	19	11	35
BS 1424	24	14	40
BS 1928	28	19	40
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 Sabbiano, 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



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



TRANSTECNO B.V.
 De Stuwdam, 43
 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 GUANGZHOU
 Room 401A, LeTian Building, No.188 TangAn Road,
 Tianhe District, Guangzhou City, 510665 - CHINA
 Tel: +86 571 86920260-826
 Fax: +86 013185001627
 guangzhouoffice@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 IBÉRICA
 THE MODULAR GEARMOTOR, S.A.**
 C/Enginy, 2 Nave 6 - 08850 Gavà (Barcelona) - SPAIN
 Tel: +34 931 598 950
 info@transtecno.es
 www.transtecno.es



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 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 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
 44 Northview drive, Sunshine west 3020
 Victoria - AUSTRALIA
 Tel: +61 03 9312 4722
 Fax: +61 03 9312 4714
 oceaniaoffice@transtecno.com
 www.transtecno.com.au


TRANSTECNO®
 the modular gearmotor
 www.transtecno.com