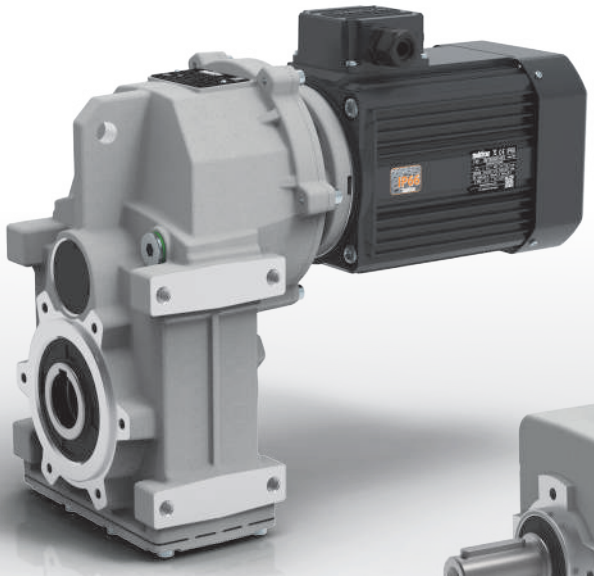
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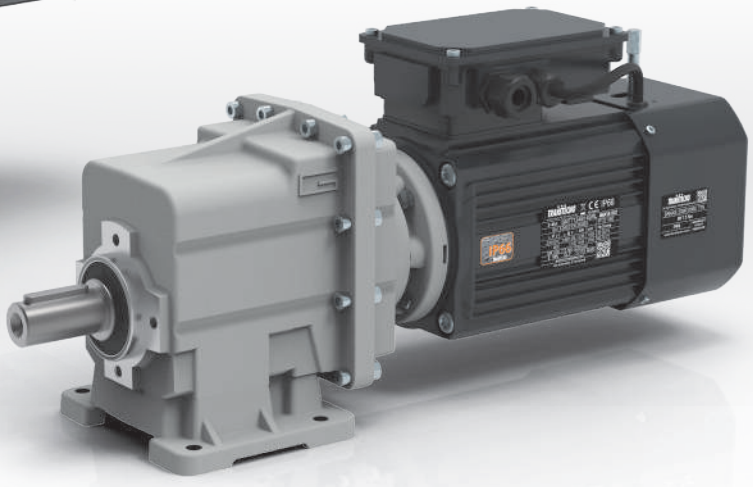
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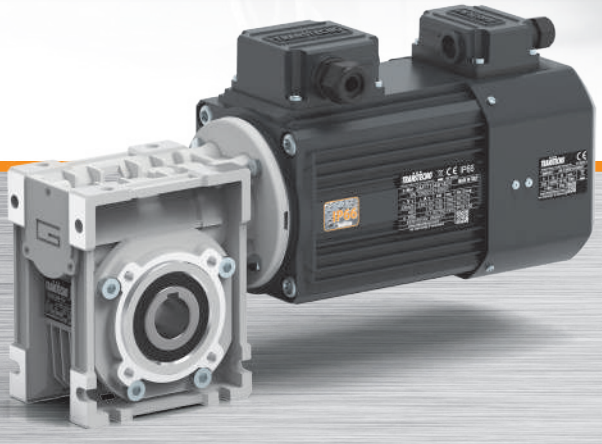
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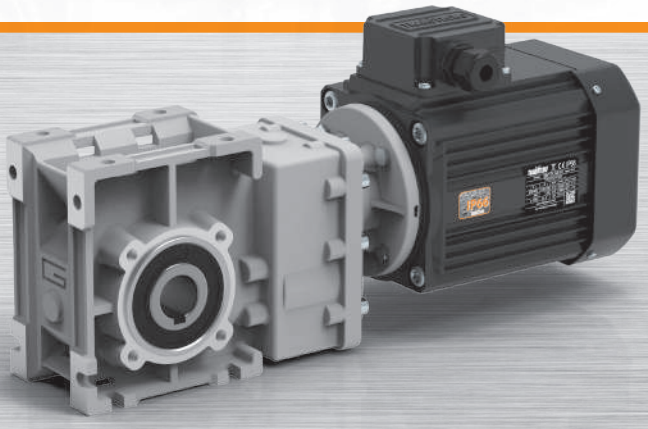
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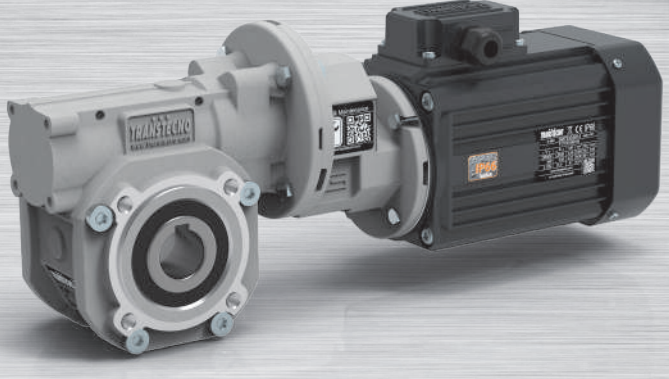
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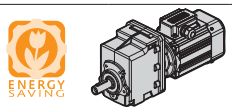
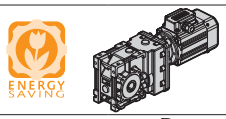
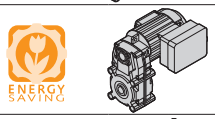
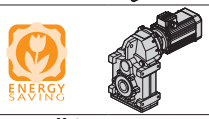
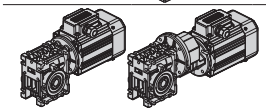
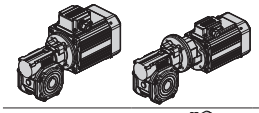
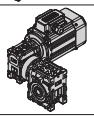
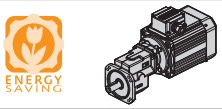
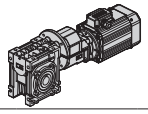
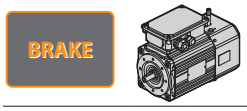
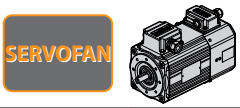
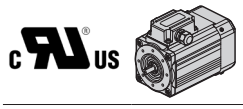
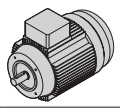






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## Generalità — *General information*

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

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

## Velocità entrata — $n_1$ [$min^{-1}$] — *Input speed*

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

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

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

*When different speeds are required, contact our Technical Service.*

## Rapporto di riduzione — i — *Gear ratio*

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

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

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

## Velocità in uscita — $n_2$ [$min^{-1}$] — *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:*

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

*I*

## Coppia richiesta — $Mr_2$ [Nm] — *Requested torque*

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

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

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

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

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

$$Mn_2 = M_2 \cdot sf$$

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

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

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

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

oppure: *or:*

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

dove: *where:*

$$P_2 = P_1 \cdot Rd$$

## Rendimento — Rd; Rs — *Efficiency*

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

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.

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).

Il valore dei rendimenti dinamico e statico dei riduttori a vite senza fine sono riportati nella tabella della sez. CM/CMP.
Nei riduttori ad ingranaggi CMG, CMB e PU il rendimento medio è del 94%.

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

*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.*

*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.*

*Dynamic and static efficiency of wormgearboxes are given in the table into section CM/CMP.*
*On helical gearboxes CMG, CMB and PU the average efficency is 94%.*

## Reversibilità e irreversibilità

## *Reversibility and irreversibility*

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

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

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

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

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

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

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

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

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

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

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

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

## Potenza in entrata

$P_1$ [kW]

## *Input power*

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

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

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

## Fattore di servizio — sf — *Service factor*

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

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

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

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

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

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

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

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

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

| h/d | sf | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 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***

| h/d | sf | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 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***

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

Esempio applicazione:

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

*Application example:*

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

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

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

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

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

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

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

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

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

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

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

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

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

$$A_2 = R_2 \cdot 0.2$$

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

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

## Scelta dei motoriduttori — *Selecting the gearmotors*

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

*To select the required gearmotor, perform the procedure below:*

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

   *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:

   *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. D6) e $n_2$ il numero di giri richiesti in uscita al motoriduttore.

*where Rd stands for the dynamic efficiency (indicated on page D6) and $n_2$ indicates the required output rpm of the gearmotor.*

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

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

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| **0.18** | | | | | | |
| 63B4 (1400 min$^{-1}$) | **30.0** | 54 | 2.2 | 46.61 | **CMG013** | **B5** |
| | **25.3** | 64 | 1.9 | 55.36 | | **B5** |
| | **22.1** | 73 | 1.6 | 63.22 | | **B5** |
| | **18.6** | 87 | 1.4 | 75.08 | | **B5** |

Esempio / *Example:*

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

**P** : 0.18 kW
**sf** : 1.5
**$n_2$** : 23 min$^{-1}$

Motorizzazione scelta / *Power unit selected:*

**CMG013 i = 63.22, $P_1$ = 0.18 kW, sf = 1.6**

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

Esempio / *Example:*

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

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

Motorizzazione scelta / *Power unit selected:*

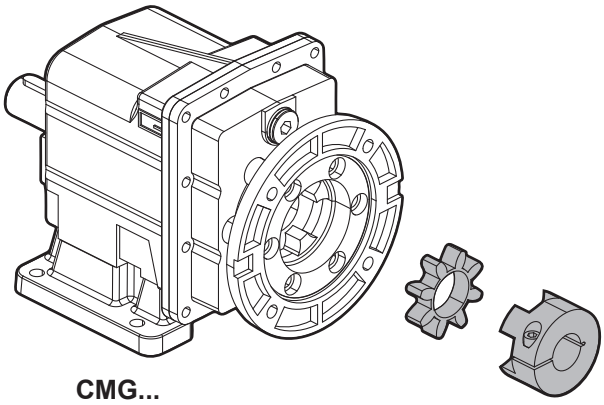
**CM040 i = 30, $P_1$ = 0.18 kW, sf = 1.7**

## Giunto elastico / *Flexible coupling*

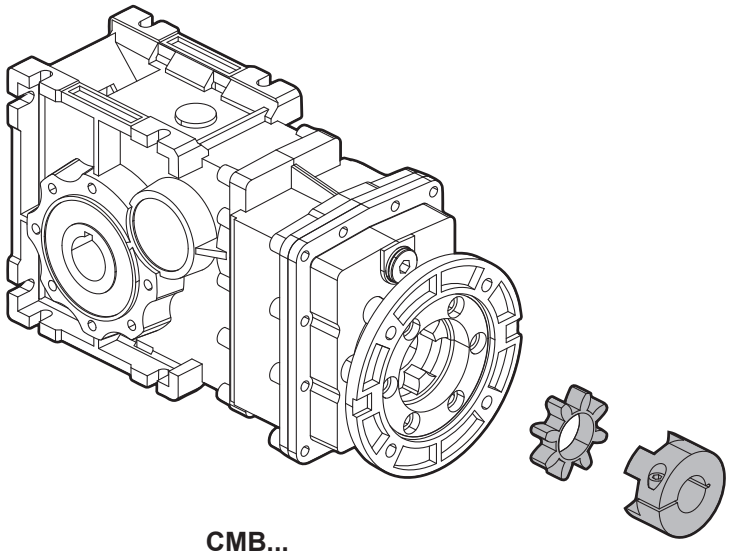
L'accoppiamento al motore tramite giunto elastico a morsetto ha i seguenti vantaggi:
- Maggiore rigidità torsionale;
- Smorzamento delle vibrazioni;
- Smorzamento dei picchi d'inerzia del motore;
- Eliminazione dell'ossidazione tra l'albero motore ed il manicotto per tribocorrosione;
- Temperatura di funzionamento inferiore;
- Facilità di smontaggio del motore anche dopo lunghi periodi di utilizzo;
- Evita il danneggiamento della linguetta del motore per servizio altamente intermittente.

*Motor connection by clamp flexible coupling allows the following benefits:*
*- Increasing torsional rigidity;*
*- Reducing vibrations;*
*- Cushioning motor start up jerks;*
*- Eliminates fretting corrosion phenomenon between motor sleeve and electric motor shaft;*
*- Lowering operating temperature;*
*- Easy disassembly of the motor after long periods of use;*

*- Avoid the damage of the key of the motor for highly intermittent duty*



**CMG...**



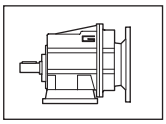
**CMB...**

## Lubrificazione

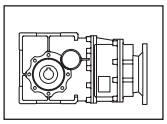
## *Lubrication*

I motoriduttori della serie CMG, CMB, KFT105, FT, ATS, CM, CMP, CMM e PU sono forniti completi di lubrificante sintetico viscosità 320 a lunga durata, pertanto non necessitano di manutenzione.

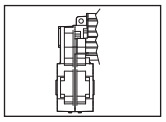
*All unit sizes of CMG, CMB, KFT105, FT, ATS, CM, CMP, CMM and PU series are complete with a long life synthetic lubricant, viscosity 320 and do not require maintenance.*



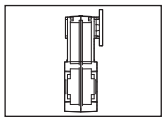
**CMG**



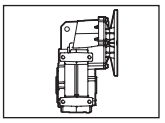
**CMB**



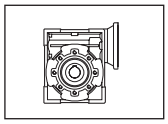
**KFT105**



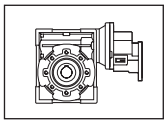
**FT**



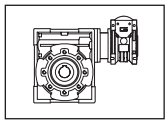
**ATS**



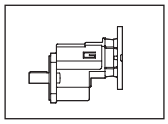
**CM**



**CMP**



**CMM**



**PU**

| 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.*

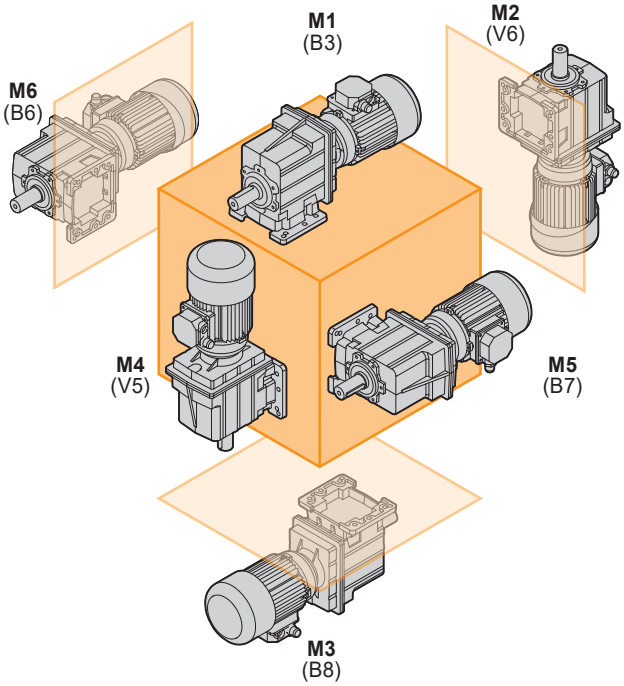
In fase di ordine è necessario specificare sempre la posizione di montaggio desiderata.

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

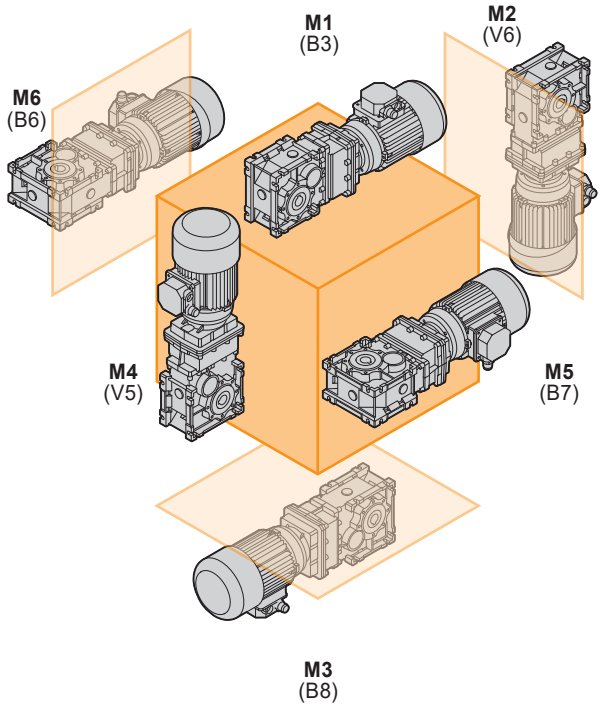
## Posizioni di montaggio

## *Mounting positions*

**CMG**



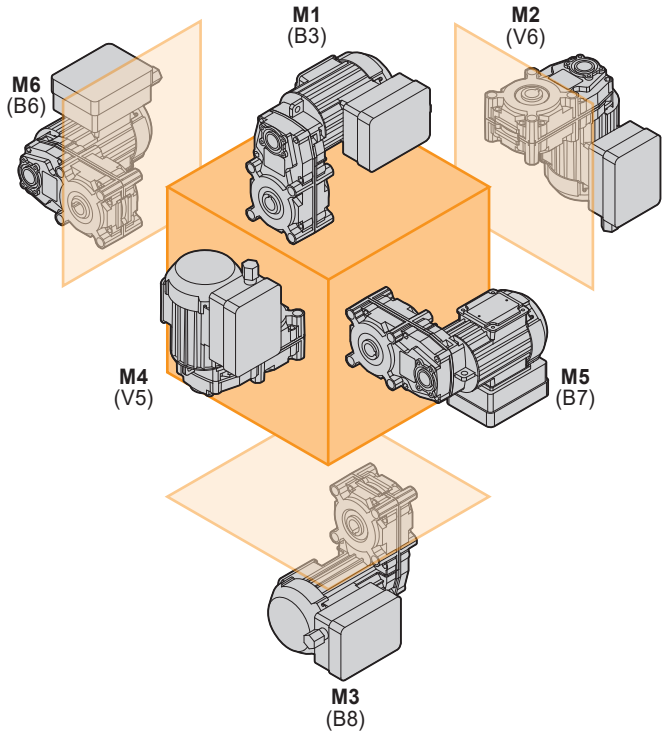

**CMB**



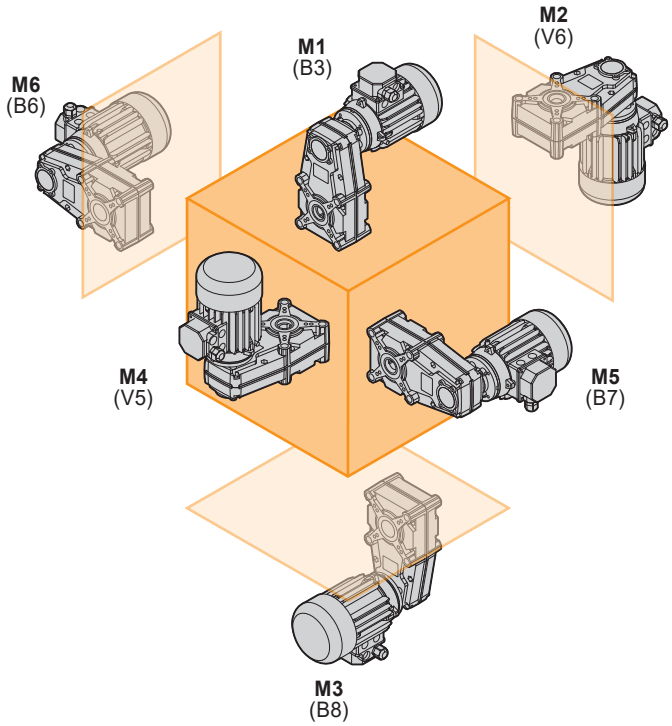
## Posizioni di montaggio

## *Mounting positions*

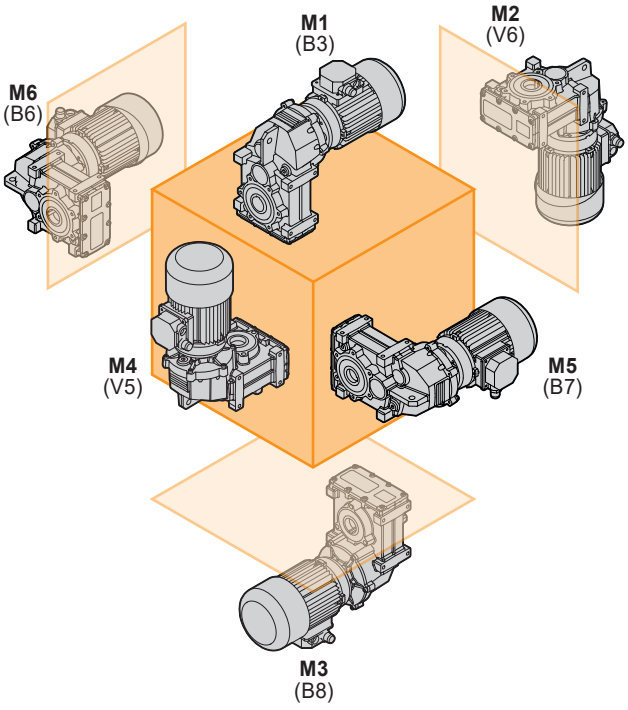
### KFT 105



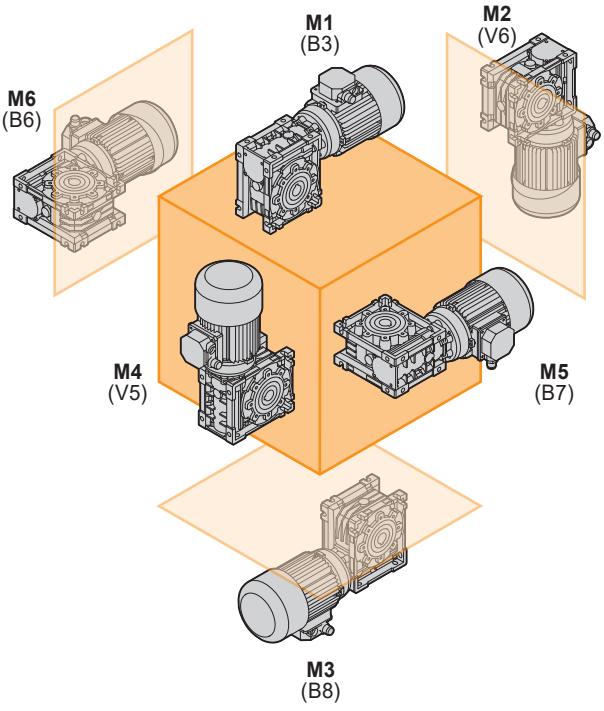

### FT




### ATS




### CM



## 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***

| | |
|---|---|
| **CMG** | -35°C / +50°C |
| **CMB** | -35°C / +50°C |
| **KFT105** | -35°C / +50°C |
| **FT** | -35°C / +50°C |
| **ATS** | -35°C / +50°C |
| **CM026 - CM050** | -25°C / +50°C |
| **CM063 - CM130** | -35°C / +50°C |
| **CMP** | -35°C / +50°C |
| **PU** | -35°C / +50°C |

**Campi di temperatura speciali / *Special temperature range***

| | **<-15°C** | **-35°C/-25°C** | **<-35°C** | **>+50°C** |
|---|---|---|---|---|
| **CMG** | | | usare paraoli in silicone (VMQ) *use silicone (VMQ) oil seals*<br><br>usare lubrificante per basse *temperature use low temperature lubricant* | usare paraoli in Viton (FPM) *use Viton (FPM) oil seals*<br><br>usare lubrificante per alte temperature *use high temperature lubricant* |
| **CMB** | | | | |
| **KFT105** | | | | |
| **FT** | | | | |
| **ATS** | | | | |
| **CM026 - CM050** | | sostituire paraolio ingresso con NBR *replace input oil seal with NBR* | | |
| **CM063 - CM110** | | | | |
| **CM130** | dimezzare i carichi radiali in uscita *halve the output radial loads* | | | |
| **CMP** | | | | |
| **PU** | | | | |

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

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.

## *Installation and inspection*

*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

In tutti questi casi consultare il Servizio Tecnico

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

## *Critical applications*

*In these cases please contact the Technical Service*

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

# Note/*Notes*

TRANSTECNO®
the modular gearmotor

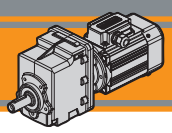
# CMG

CMG

CMG Alu

## Motoriduttori ad ingranaggi cilindrici
## Helical in-line gearmotors







ENERGY SAVING


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| Caratteristiche tecniche | *Technical features* | **B2** |
| Designazione | *Classification* | **B3** |
| Sensi di rotazione | *Direction of rotation* | **B4** |
| Simbologia | *Symbols* | **B4** |
| Lubrificazione | *Lubrication* | **B4** |
| Carichi radiali | *Radial loads* | **B5** |
| Motori applicabili | *Motors adapters* | **B5** |
| Dati tecnici | *Technical data* | **B6** |
| Dimensioni | *Dimensions* | **B20** |


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***

## Caratteristiche tecniche

I motoriduttori ad ingranaggi cilindrici della serie CMG sono caratterizzati da un elevato grado di modularità: partendo da un corpo di base è possibile configurarlo secondo le esigenze, con flangia o piede.

Caratteristiche comuni a tutta la serie:

- Carcassa e flangia PAM in pressofusione di alluminio per le taglie 00, 01, 02, 03 e 04.
- Piedi e flange d'uscita in ghisa;
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati;
- Lubrificazione permanente con olio sintetico.
- Disponibili con giunto elastico in ingresso

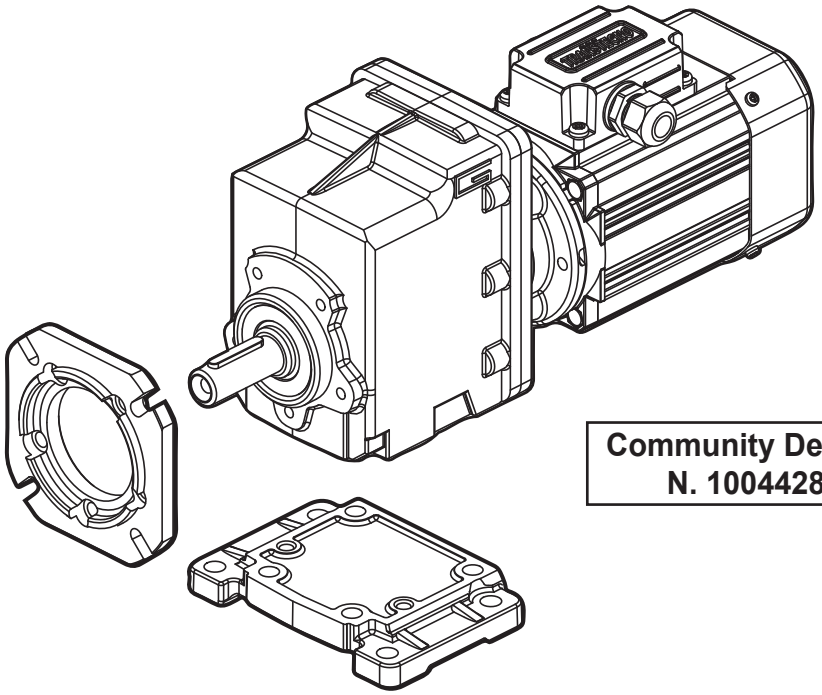
## *Technical features*

*The high degree of modularity is a design feature of CMG helical in-line gearmotors range. It is possible to set up the version required using flanges or feet.*

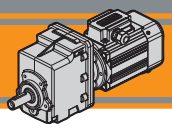
*The main features of CMG range are:*

- *Die-cast aluminium housings and input flanges for sizes 00, 01, 02, 03 and 04.*
- *Cast iron feet and output flanges;*
- *Ground-hardened helical gears;*
- *Permanent synthetic oil long-life lubrication.*
- *Input flexible coupling available*

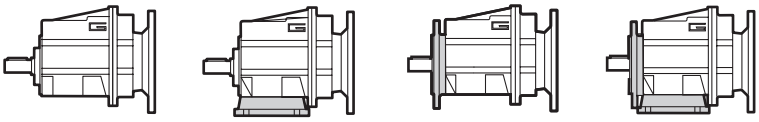
ENERGY SAVING



**Community Design N. 1004428**

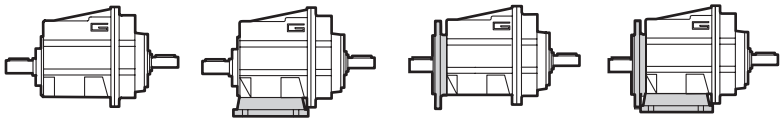


## Designazione — *Classification*




RIDUTTORE / *GEARBOX*

| CMG | 01 | 2 | H65 | 9.81 | D20 | 71 | B14 | FX |
|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Stadi *Stages* | Versione *Version* | Rapporto *Ratio* | Albero uscita *Output shaft* | IEC | Forma costruttiva *Version* | Giunto elastico *Flexible coupling* |
| **CMG** | **00**<br>**01**<br>**02**<br>**03**<br>**04** | **2**<br>**3** | **U...**<br>**H...**<br>**F...**<br>**H.../F...** | vedi tabelle *see tables* | vedi tabelle *see tables* | **56..**<br>**—**<br>**112..** | **B5**<br>**B14** | **FX**<br>A7 pag. |




RIDUTTORE / *GEARBOX*

| CMGIS | 01 | 2 | U | 9.81 | D20 |
|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Stadi *Stages* | Versione *Version* | Rapporto *Ratio* | Albero uscita *Output shaft* |
| **CMGIS** | **00**<br>**01**<br>**02**<br>**03**<br>**04** | **2**<br>**3** | **U...**<br>**H...**<br>**F...**<br>**H.../F...** | vedi tabelle *see tables* | vedi tabelle *see tables* |

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMT** | N1 pag. | **1-2-3-4-5** | **4** | **0.04 kW**<br>**...**<br>**2.2 kW** | **B14** | **230-400 V**<br>**460V** | **50Hz**<br>**60Hz** | **TEFC**<br>**TENV** | O1<br>P1<br>Q1<br>pag. | T1 (Std)<br>T4 T2<br>T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

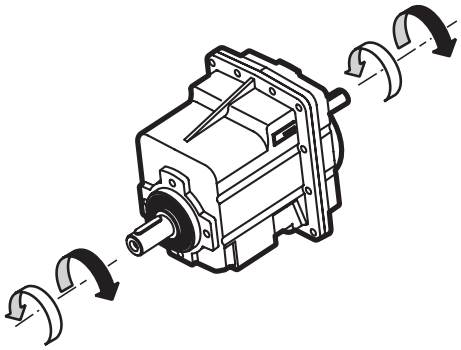
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMM** | N1 pag. | **1-2-3-4** | **4** | **0.04 kW**<br>**...**<br>**0.75 kW** | **B14** | **230V** | **50Hz** | **TEFC**<br>**TENV** | Q1 pag. | T1 (Std)<br>T4 T2<br>T3 |

MOTORE TRIFASE / *THREE PHASE MOTOR*

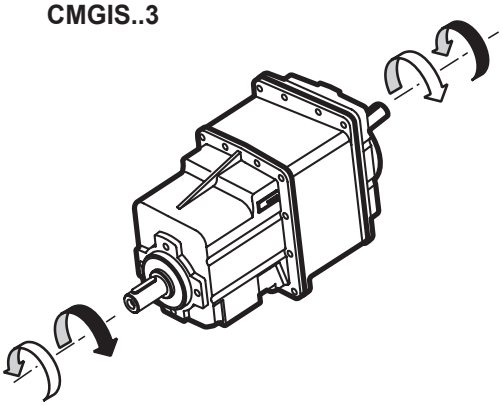
| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| **TS** | R1 pag. | **1-2-3-S**<br>**L1-L2** | **4** | **0.09 kW**<br>**...**<br>**2.2 kW** | **B5**<br>**B14** | **3 ph** | **230-400 V**<br>**275-480 V** | **50Hz**<br>**60Hz** | T1 (Std)<br>T4 T2<br>T3 |

## Sensi di rotazione / *Direction of rotation*

**CMG...2**
**CMGIS..2**



**CMG...3**
**CMGIS..3**



## Simbologia / *Symbols*

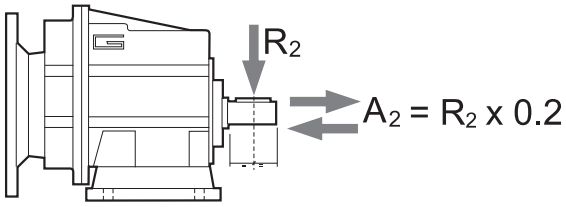
| | | |
|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* |
| i | | Rapporto di riduzione / *Ratio* |
| $P_1$ | [kW] | Potenza in entrata / *Input power* |
| $M_2$ | [Nm] | Coppia nominale in uscita in funzione di $P_1$ / *Output torque referred to $P_1$* |
| $Pn_1$ | [kW] | Potenza nominale in entrata / *Nominal input power* |
| $Mn_2$ | [Nm] | Coppia nominale in uscita in funzione di $Pn_1$ / *Nominal output torque referred to $Pn_1$* |
| sf | | Fattore di servizio / *Service factor* |
| $R_2$ | [N] | Carico radiale ammissibile in uscita / *Permitted output radial load* |
| $A_2$ | [N] | Carico assiale ammissibile in uscita / *Permitted output axial load* |
| Kg | [kg] | Peso del solo riduttore / *Weight of the gearbox only* |

## Lubrificazione / *Lubrication*

Tutti i motoriduttori nelle taglie 00, 01, 02, 03 e 04 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 sizes 00, 01, 02, 03 and 04 in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.*

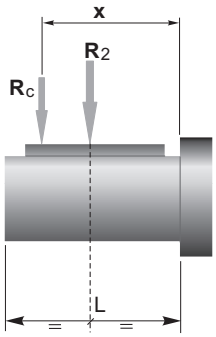
## Carichi radiali — *Radial loads*




| $n_2$ [$min^{-1}$] | $R_2$ [N] | | | | |
|---|---|---|---|---|---|
| | CMG 00 | CMG 01 | CMG 02 | CMG 03 | CMG 04 |
| 700 | 416 | 764 | 1529 | 1987 | 2379 |
| 600 | 437 | 805 | 1609 | 2092 | 2504 |
| 500 | 465 | 855 | 1710 | 2223 | 2661 |
| 400 | 501 | 921 | 1842 | 2395 | 2866 |
| 250 | 586 | 1077 | 2154 | 2801 | 3353 |
| 180 | 653 | 1323 | 2554 | 3321 | 3897 |
| 150 | 748 | 1406 | 2714 | 3529 | 4244 |
| 120 | 806 | 1631 | 3467 | 3801 | 4572 |
| 100 | 958 | 1842 | 3684 | 4507 | 5234 |
| 80 | 1032 | 1984 | 3969 | 5042 | 5991 |
| 60 | 1136 | 2184 | 4368 | 5549 | 6594 |
| 40 | 1300 | 2500 | 5000 | 6500 | 8000 |
| 10 | 1300 | 2500 | 5000 | 6500 | 8000 |

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

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




| | CMG 00 | CMG 01 | CMG 02 | CMG 03 | CMG 04 |
|---|---|---|---|---|---|
| a | 73 | 104 | 117 | 132 | 150 |
| b | 53 | 84 | 92 | 102 | 115 |
| $R_{2MAX}$ | 1300 | 2500 | 5000 | 6500 | 8000 |

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

$$R \leq R_c$$

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

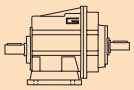
## Motori applicabili — *Motors adapters*

| CMG | SMT | | | | | | SMM | | | | | TS | | | | | | IEC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5444 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 | 100L14 | 100LB4 | 112M4 |
| 002 | | | | | | | | | | | | | | | | | | | |
| 012 | | | | | | | | | | | | | | | | | | | |
| 013 | | | | | | | | | | | | | | | | | | | |
| 022 | | | | | | | | | | | | | | | | | | | |
| 023 | | | | | | | | | | | | | | | | | | | |
| 032 | | | | | | | | | | | | | | | | | | | |
| 033 | | | | | | | | | | | | | | | | | | | |
| 042 | | | | | | | | | | | | | | | | | | | |
| 043 | | | | | | | | | | | | | | | | | | | |

**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.*

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



| $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i |
|---|---|---|---|
| **CMGIS 002** | | | |
| **279** | 40 | 1.2 | 5.03 |
| **230** | 40 | 1.0 | 6.10 |
| **187** | 40 | 0.82 | 7.49 |
| **156** | 50 | 0.85 | 8.99 |
| **138** | 50 | 0.75 | 10.16 |
| **116** | 50 | 0.63 | 12.07 |
| **105** | 70 | 0.80 | 13.40 |
| **92.5** | 70 | 0.71 | 15.14 |
| **77.1** | 70 | 0.59 | 18.17 |
| **64.9** | 70 | 0.50 | 21.58 |
| **59.6** | 70 | 0.45 | 23.51 |
| **55.8** | 70 | 0.43 | 25.10 |
| **51.7** | 70 | 0.39 | 27.08 |
| **43.1** | 70 | 0.33 | 32.49 |
| **33.3** | 70 | 0.25 | 42.04 |
| **31.2** | 70 | 0.24 | 44.89 |
| **28.7** | 70 | 0.22 | 48.86 |
| **25.4** | 70 | 0.19 | 55.10 |

| IEC Motori applicabili / *IEC Motor adapters* | | | |
|---|---|---|---|
| **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** |
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N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

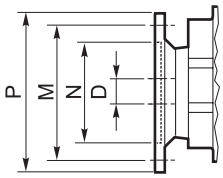
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*

*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

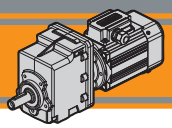
Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

*** =** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.*

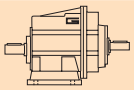



| Dimensioni IEC / *IEC Dimensions* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **56 B5** | **56 B14** | **63 B5** | **63 B14** | **71 B5** | **71 B14** | **80 B5** | **80 B14** |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 |
| **D** | 9 | | 11 | | 14 | | 19 | |



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



|  | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili *IEC Motor adapters* | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMGIS 012** | | | | | **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** |
| | **367** | 60 | 2.4 | 3.82 | | | | | |
| | **302** | 60 | 2.0 | 4.63 | | | | | |
| | **246** | 60 | 1.6 | 5.69 | | | | | |
| | **181** | 80 | 1.6 | 7.72 | | | | | |
| | **153** | 80 | 1.3 | 9.17 | | | | | |
| | **143** | 80 | 1.2 | 9.81 | | | | | |
| | **122** | 100 | 1.3 | 11.50 | | | | | |
| | **118** | 100 | 1.3 | 11.90 | | | | | |
| | **101** | 120 | 1.3 | 13.80 | | | | | |
| | **95.7** | 120 | 1.3 | 14.62 | | | | | |
| | **78.4** | 120 | 1.0 | 17.86 | | | | | |
| | **73.4** | 120 | 1.0 | 19.07 | | | | | |
| | **70.6** | 120 | 0.92 | 19.83 | | | | | |
| | **59.4** | 120 | 0.78 | 23.56 | | | | | * |
| | **47.4** | 120 | 0.62 | 29.56 | | | | | * |
| | **39.5** | 120 | 0.52 | 35.47 | | | | | * |
| | **30.5** | 120 | 0.40 | 45.89 | | | | * | * |
| | **28.6** | 120 | 0.37 | 49.00 | | | | * | * |
| | **26.3** | 120 | 0.34 | 53.33 | | | | * | * |
| | **23.3** | 120 | 0.30 | 60.15 | | | | * | * |
| **CMGIS 013** | | | | | **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** |
| | **22.1** | 120 | 0.30 | 63.22 | | | | * | * |
| | **18.6** | 120 | 0.25 | 75.08 | | | | * | * |
| | **15.7** | 120 | 0.21 | 89.17 | | | | * | * |
| | **12.4** | 120 | 0.17 | 113.05 | | | * | * | * |
| | **10.4** | 120 | 0.14 | 134.27 | | | * | * | * |
| | **8.1** | 120 | 0.11 | 173.72 | | | * | * | * |
| | **6.9** | 120 | 0.09 | 202.16 | | | * | * | * |
| | **5.4** | 120 | 0.07 | 261.57 | | | * | * | * |
| | **4.6** | 120 | 0.06 | 304.00 | | | * | * | * |
| | **3.6** | 120 | 0.05 | 393.33 | | | * | * | * |
| | **3.2** | 120 | 0.04 | 443.59 | | | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

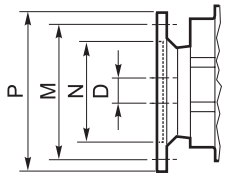
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*

*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

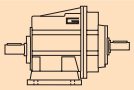
**** =** The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.*




| **Dimensioni IEC / *IEC Dimensions*** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | **56 B5** | **56 B14** | **63 B5** | **63 B14** | **71 B5** | **71 B14** | **80 B5** | **80 B14** | **90 B5** | **90 B14** |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 | 130 | 95 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 | 165 | 115 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 | 200 | 140 |
| **D** | 9 | | 11 | | 14 | | 19 | | 24 | |

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



| $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili *IEC Motor adapters* 56 B5/B14 | 63 B5/B14 | 71 B5/B14 | 80 B5/B14 | 90 B5/B14 |
|---|---|---|---|---|---|---|---|---|
| **CMGIS 022** | | | | | | | | |
| **383** | 100 | 4.2 | 3.66 | | | | | |
| **316** | 100 | 3.4 | 4.43 | | | | | |
| **257** | 100 | 2.8 | 5.45 | | | | | |
| **190** | 120 | 2.5 | 7.39 | | | | | |
| **159** | 120 | 2.1 | 8.78 | | | | | |
| **141** | 120 | 1.8 | 9.93 | | | | | |
| **127** | 200 | 2.8 | 11.01 | | | | | |
| **116** | 200 | 2.5 | 12.05 | | | | | |
| **106** | 160 | 1.8 | 13.21 | | | | | |
| **94.6** | 200 | 2.1 | 14.81 | | | | | |
| **81.9** | 130 | 1.2 | 17.10 | | | | | |
| **69.7** | 200 | 1.5 | 20.08 | | | | | |
| **58.7** | 200 | 1.3 | 23.85 | | | | | |
| **46.8** | 200 | 1.0 | 29.93 | | | | | |
| **39.0** | 200 | 0.85 | 35.91 | | | | | |
| **30.1** | 200 | 0.66 | 46.46 | | | | | * |
| **28.2** | 200 | 0.62 | 49.61 | | | | | * |
| **25.9** | 200 | 0.57 | 54.00 | | | | | * |
| **23.0** | 200 | 0.50 | 60.90 | | | | | * |
| **CMGIS 023** | | | | 56 B5/B14 | 63 B5/B14 | 71 B5/B14 | 80 B5/B14 | 90 B5/B14 |
| **21.9** | 200 | 0.49 | 64.01 | | | | | * |
| **18.4** | 200 | 0.41 | 76.02 | | | | * | * |
| **15.5** | 200 | 0.35 | 90.29 | | | | * | * |
| **12.2** | 200 | 0.27 | 114.46 | | | | * | * |
| **10.3** | 200 | 0.23 | 135.95 | | | | * | * |
| **8.0** | 200 | 0.18 | 175.89 | | | * | * | * |
| **6.8** | 200 | 0.15 | 204.69 | | | * | * | * |
| **5.3** | 200 | 0.12 | 264.84 | | | * | * | * |
| **4.5** | 200 | 0.10 | 307.80 | | | * | * | * |
| **3.5** | 200 | 0.08 | 398. 25 | | | * | * | * |
| **3.1** | 200 | 0.07 | 449.14 | | | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

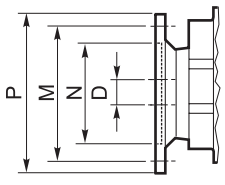
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*

*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

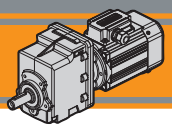
Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

*** =** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

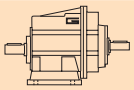
*Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | 56 B5 | 56 B14 | 63 B5 | 63 B14 | 71 B5 | 71 B14 | 80 B5 | 80 B14 | 90 B5 | 90 B14 |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 | 130 | 95 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 | 165 | 115 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 | 200 | 140 |
| **D** | 9 | | 11 | | 14 | | 19 | | 24 | |



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



| | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMGIS 032** | | | | | **71 B5** | **80 B5/B14** | **90 B5/B14** | **100 B5/B14** | **112 B5/B14** |
| | **374** | 150 | 6.1 | 3.74 | B | | | | |
| | **311** | 150 | 5.1 | 4.50 | B | | | | |
| | **255** | 150 | 4.2 | 5.48 | B | | | | |
| | **222** | 180 | 4.4 | 6.31 | B | | | | |
| | **177** | 180 | 3.5 | 7.93 | B | | | | |
| | **154** | 180 | 3.0 | 9.08 | B | | | | * |
| | **128** | 180 | 2.5 | 10.93 | B | | | | * |
| | **111** | 250 | 3.0 | 12.60 | B | | | | * |
| | **105** | 250 | 2.9 | 13.30 | B | | | | * |
| | **91.5** | 280 | 2.8 | 15.30 | B | | | | * |
| | **76.9** | 240 | 2.0 | 18.21 | B | | | | * |
| | **72.8** | 280 | 2.2 | 19.24 | B | | | | * |
| | **66.2** | 240 | 1.7 | 21.15 | B | | | | * |
| | **56.0** | 300 | 1.8 | 24.99 | B | | | | * |
| | **45.8** | 300 | 1.5 | 30.57 | B | | | * | * |
| | **40.9** | 300 | 1.3 | 34.20 | B | | | * | * |
| | **36.2** | 300 | 1.2 | 38.63 | B | | | * | * |
| | **31.7** | 300 | 1.0 | 44.18 | B | | | * | * |
| | **27.3** | 300 | 0.89 | 51.30 | B | | * | * | * |
| | **23.0** | 300 | 0.75 | 60.80 | B | | * | * | * |

| | | | | | **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** |
|---|---|---|---|---|---|---|---|---|---|
| **CMGIS 033** | | | | | | | | | |
| | **19.2** | 300 | 0.64 | 72.83 | | | | | * |
| | **14.4** | 300 | 0.48 | 97.45 | | | | | * |
| | **12.1** | 300 | 0.40 | 115.74 | | | | * | * |
| | **9.9** | 300 | 0.33 | 140.81 | | | | * | * |
| | **8.0** | 300 | 0.27 | 174.26 | | | | * | * |
| | **6.2** | 300 | 0.21 | 225.47 | | | | * | * |
| | **5.3** | 300 | 0.18 | 262.05 | | | * | * | * |
| | **4.3** | 300 | 0.14 | 325.79 | | | * | * | * |
| | **3.7** | 300 | 0.12 | 378.64 | | | * | * | * |
| | **3.3** | 300 | 0.11 | 427.03 | | | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
**B** = Boccola di riduzione in acciaio.

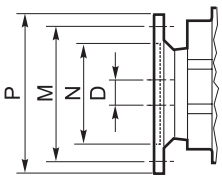
***** = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*
***B** = Metal shaft sleeve.*

***** = *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **56 B5** | **56 B14** | **63 B5** | **63 B14** | **71 B5** | **71 B14** | **80 B5** | **80 B14** | **90 B5** | **90 B14** | **100/112 B5** | **100/112 B14** |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 | 130 | 95 | 180 | 110 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 | 165 | 115 | 215 | 130 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 | 200 | 140 | 250 | 160 |
| **D** | 9 | | 11 | | 14 | | 19 | | 24 | | 28 | |

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

| $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* | | | | |
|---|---|---|---|---|---|---|---|---|
| **CMGIS 042** | | | | **71 B5** | **80 B5/B14** | **90 B5/B14** | **100 B5/B14** | **112 B5/B14** |
| **374** | 230 | 9.4 | 3.74 | B | | | | |
| **311** | 230 | 7.8 | 4.50 | B | | | | |
| **255** | 230 | 6.4 | 5.48 | B | | | | |
| **222** | 260 | 6.3 | 6.31 | B | | | | |
| **177** | 260 | 5.0 | 7.93 | B | | | | |
| **154** | 280 | 4.7 | 9.08 | B | | | | |
| **128** | 280 | 3.9 | 10.93 | B | | | | |
| **111** | 350 | 4.2 | 12.60 | B | | | | |
| **105** | 350 | 4.0 | 13.30 | B | | | | |
| **91.5** | 420 | 4.2 | 15.30 | B | | | | |
| **72.8** | 420 | 3.3 | 19.24 | B | | | | |
| **56.0** | 500 | 3.1 | 24.99 | B | | | | |
| **45.8** | 500 | 2.5 | 30.57 | B | | | | * |
| **40.9** | 500 | 2.2 | 34.20 | B | | | | * |
| **36.2** | 500 | 2.0 | 38.63 | B | | | | * |
| **31.7** | 500 | 1.7 | 44.18 | B | | | * | * |
| **27.3** | 500 | 1.5 | 51.30 | B | | | * | * |
| **23.0** | 480 | 1.2 | 60.80 | B | | | * | * |
| **CMGIS 043** | | | | **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** |
| **19.2** | 500 | 1.1 | 72.83 | | | | | |
| **14.4** | 500 | 0.80 | 97.45 | | | | | * |
| **12.1** | 500 | 0.67 | 115.74 | | | | | * |
| **9.9** | 500 | 0.55 | 140.81 | | | | | * |
| **8.0** | 500 | 0.45 | 174.26 | | | | | * |
| **6.2** | 500 | 0.35 | 225.47 | | | | * | * |
| **5.3** | 500 | 0.30 | 262.05 | | | | * | * |
| **4.3** | 500 | 0.24 | 325.79 | | | | * | * |
| **3.7** | 500 | 0.21 | 378.64 | | | | * | * |
| **3.3** | 500 | 0.18 | 427.03 | | | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
**B** = Boccola di riduzione in acciaio.

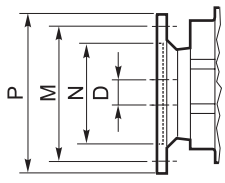
*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. B11 alla pag. B19.

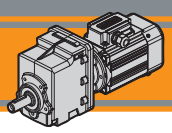
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*
***B** = Metal shaft sleeve.*

**** =** The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **56 B5** | **56 B14** | **63 B5** | **63 B14** | **71 B5** | **71 B14** | **80 B5** | **80 B14** | **90 B5** | **90 B14** | **100/112 B5** | **100/112 B14** |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 | 130 | 95 | 180 | 110 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 | 165 | 115 | 215 | 130 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 | 200 | 140 | 250 | 160 |
| **D** | 9 | | 11 | | 14 | | 19 | | 24 | | 28 | |



## Dati tecnici — *Technical data*



### 0.04

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT5014 | **279** | 1 | 30.4 | 5.03 | **CMG002** |
| SMM5014 | **230** | 2 | 25.0 | 6.10 | |
| (1400 min$^{-1}$) | **187** | 2 | 20.4 | 7.49 | |
| SMT SMM | **156** | 2 | 21.2 | 8.99 | |
| | **138** | 3 | 18.8 | 10.16 | |
| | **116** | 3 | 15.8 | 12.07 | |
| | **105** | 4 | 20.0 | 13.40 | |
| | **92** | 4 | 17.7 | 15.14 | |
| | **77** | 5 | 14.7 | 18.17 | |
| | **65** | 6 | 12.4 | 21.58 | |
| | **60** | 6 | 11.4 | 23.51 | |
| | **56** | 7 | 10.6 | 25.10 | |
| | **52** | 7 | 9.9 | 27.08 | |
| | **43** | 9 | 8.2 | 32.49 | |
| | **33** | 11 | 6.4 | 42.04 | |
| | **31** | 12 | 6.0 | 44.89 | |
| | **29** | 13 | 5.5 | 48.86 | |
| | **25** | 14 | 4.8 | 55.10 | |
| | **29** | 13 | 9.3 | 49.00 | **CMG012** |
| | **26** | 14 | 8.6 | 53.33 | |
| | **23** | 16 | 7.6 | 60.15 | |
| | **22** | 16 | 7.4 | 63.22 | **CMG013** |
| | **19** | 19 | 6.2 | 75.08 | |
| | **16** | 23 | 5.2 | 89.17 | |
| | **12** | 29 | 4.1 | 113.05 | |
| | **10** | 34 | 3.5 | 134.27 | |
| | **8.1** | 45 | 2.7 | 173.72 | |
| | **6.9** | 52 | 2.3 | 202.16 | |
| | **5.4** | 67 | 1.8 | 261.57 | |
| | **4.6** | 78 | 1.5 | 304.00 | |
| | **3.6** | 101 | 1.2 | 393.33 | |
| | **3.2** | 114 | 1.1 | 443.59 | |
| | **8.0** | 45 | 4.4 | 175.89 | **CMG023** |
| | **6.8** | 52 | 3.8 | 204.69 | |
| | **5.3** | 68 | 2.9 | 264.84 | |
| | **4.5** | 79 | 2.5 | 307.80 | |
| | 3.5 | 102 | 2.0 | 398.25 | |
| | **3.1** | 115 | 1.7 | 449.14 | |

### 0.06

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT5024 | **279** | 2 | 20.3 | 5.03 | **CMG002** |
| SMM5024 | **230** | 2 | 16.7 | 6.10 | |
| (1400 min$^{-1}$) | **187** | 3 | 13.6 | 7.49 | |
| SMT SMM | **156** | 4 | 14.2 | 8.99 | |
| | **138** | 4 | 12.5 | 10.16 | |
| | **116** | 5 | 10.5 | 12.07 | |

### 0.06

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT5024 | **105** | 5 | 13.3 | 13.40 | **CMG002** |
| SMM5024 | **92** | 6 | 11.8 | 15.14 | |
| (1400 min$^{-1}$) | **77** | 7 | 9.8 | 18.17 | |
| SMT SMM | **65** | 8 | 8.3 | 21.58 | |
| | **60** | 9 | 7.6 | 23.51 | |
| | **56** | 10 | 7.1 | 25.10 | |
| | **52** | 11 | 6.6 | 27.08 | |
| | **43** | 13 | 5.5 | 32.49 | |
| | **33** | 17 | 4.2 | 42.04 | |
| | **31** | 18 | 4.0 | 44.89 | |
| | **29** | 19 | 3.6 | 48.86 | |
| | **25** | 22 | 3.2 | 55.10 | |
| | **31** | 18 | 6.7 | 45.89 | **CMG012** |
| | **29** | 19 | 6.2 | 49.00 | |
| | **26** | 21 | 5.7 | 53.33 | |
| | **23** | 24 | 5.1 | 60.15 | |
| | **22** | 24 | 4.9 | 63.22 | **CMG013** |
| | **19** | 29 | 4.2 | 75.08 | |
| | **16** | 34 | 3.5 | 89.17 | |
| | **12** | 43 | 2.8 | 113.05 | |
| | **10** | 52 | 2.3 | 134.27 | |
| | **8.1** | 67 | 1.8 | 173.72 | |
| | **6.9** | 78 | 1.5 | 202.16 | |
| | **5.4** | 101 | 1.2 | 261.57 | |
| | **4.6** | 117 | 1.0 | 304.00 | |
| | **3.6** | 151 | 0.8 | 393.33 | |
| | **3.2** | 171 | 0.7 | 443.59 | |
| | **12** | 44 | 4.5 | 114.46 | **CMG023** |
| | **10** | 52 | 3.8 | 135.95 | |
| | **8.0** | 68 | 3.0 | 175.89 | |
| | **6.8** | 79 | 2.5 | 204.69 | |
| | **5.3** | 102 | 2.0 | 264.84 | |
| | **4.5** | 118 | 1.7 | 307.80 | |
| | **3.5** | 153 | 1.3 | 398.25 | |
| | **3.1** | 173 | 1.2 | 449.14 | |
| | **6.2** | 87 | 3.5 | 225.47 | **CMG033** |
| | **5.3** | 101 | 3.0 | 262.05 | |
| | **4.3** | 125 | 2.4 | 325.79 | |
| | **3.7** | 146 | 2.1 | 378.64 | |
| | **3.3** | 164 | 1.8 | 427.03 | |
| | **5.3** | 101 | 5.0 | 262.05 | **CMG043** |
| | **4.3** | 125 | 4.0 | 325.79 | |
| | **3.7** | 146 | 3.4 | 378.64 | |
| | **3.3** | 164 | 3.0 | 427.03 | |

IEC

| Motori *Motors* | SMT | SMM |
|---|---|---|
| | **5014**<br>**5024** | **5014**<br>**5024** |
| **IEC** | **56 B14** | **56 B14** |

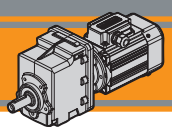
## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.09** | | | | | |
| SMT5034 | **279** | 3 | 13.5 | 5.03 | **CMG002** |
| SMM5034 | **230** | 4 | 11.1 | 6.10 | |
| SMT5624 | **187** | 4 | 9.1 | 7.49 | |
| SMM5624 | **156** | 5 | 9.4 | 8.99 | |
| (1400 min$^{-1}$) | **138** | 6 | 8.3 | 10.16 | |
| SMT SMM | **116** | 7 | 7.0 | 12.07 | |
| | **105** | 8 | 8.9 | 13.40 | |
| | **92** | 9 | 7.8 | 15.14 | |
| TS5624 | **77** | 11 | 6.5 | 18.17 | |
| (1400 min$^{-1}$) | **65** | 13 | 5.5 | 21.58 | |
| | **60** | 14 | 5.1 | 23.51 | |
| | **56** | 15 | 4.7 | 25.10 | |
| | **52** | 16 | 4.4 | 27.08 | |
| | **43** | 19 | 3.7 | 32.49 | |
| | **33** | 25 | 2.8 | 42.04 | |
| | **31** | 26 | 2.6 | 44.89 | |
| | **29** | 29 | 2.4 | 48.86 | |
| | **25** | 32 | 2.2 | 55.10 | |
| | **47** | 17 | 6.9 | 29.56 | **CMG012** |
| | **39** | 21 | 5.7 | 35.47 | |
| | **31** | 27 | 4.4 | 45.89 | |
| | **29** | 29 | 4.2 | 49.00 | |
| | **26** | 31 | 3.8 | 53.33 | |
| | **23** | 35 | 3.4 | 60.15 | |
| | **22** | 36 | 3.3 | 63.22 | **CMG013** |
| | **19** | 43 | 2.8 | 75.08 | |
| | **16** | 51 | 2.3 | 89.17 | |
| | **12** | 65 | 1.8 | 113.05 | |
| | **10** | 77 | 1.5 | 134.27 | |
| | **8.1** | 100 | 1.2 | 173.72 | |
| | **6.9** | 117 | 1.0 | 202.16 | |
| | **5.4** | 151 | 0.8 | 261.57 | |
| | **22** | 37 | 5.4 | 64.01 | **CMG023** |
| | **18** | 44 | 4.6 | 76.02 | |
| | **16** | 52 | 3.8 | 90.29 | |
| | **12** | 66 | 3.0 | 114.46 | |
| | **10** | 78 | 2.5 | 135.95 | |
| | **8.0** | 102 | 2.0 | 175.89 | |
| | **6.8** | 118 | 1.7 | 204.69 | |
| | **5.3** | 153 | 1.3 | 264.84 | |
| | **4.5** | 178 | 1.1 | 307.80 | |
| | **3.5** | 230 | 0.9 | 398.25 | |
| | **3.1** | 259 | 0.8 | 449.14 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.09** | | | | | |
| SMT5034 | **12.1** | 67 | 4.5 | 115.74 | **CMG033** |
| SMM5034 | **9.9** | 81 | 3.7 | 140.81 | |
| SMT5624 | **8.0** | 101 | 3.0 | 174.26 | |
| SMM5624 | **6.2** | 130 | 2.3 | 225.47 | |
| (1400 min$^{-1}$) | **5.3** | 151 | 2.0 | 262.05 | |
| SMT SMM | **4.3** | 188 | 1.6 | 325.79 | |
| | **3.7** | 219 | 1.4 | 378.64 | |
| | **3.3** | 246 | 1.2 | 427.03 | |
| TS5624 | | | | | |
| (1400 min$^{-1}$) | **8.0** | 101 | 5.0 | 174.26 | **CMG043** |
| | **6.2** | 130 | 3.8 | 225.47 | |
| | **5.3** | 151 | 3.3 | 262.05 | |
| | **4.3** | 188 | 2.7 | 325.79 | |
| | **3.7** | 219 | 2.3 | 378.64 | |
| | **3.3** | 246 | 2.0 | 427.03 | |
| **0.12** | | | | | |
| SMT5044 | **279** | 4 | 10.1 | 5.03 | **CMG002** |
| SMT5634 | **230** | 5 | 8.3 | 6.10 | |
| SMM5634 | **187** | 6 | 6.8 | 7.49 | |
| (1400 min$^{-1}$) | **156** | 7 | 7.1 | 8.99 | |
| SMT SMM | **138** | 8 | 6.3 | 10.16 | |
| | **116** | 9 | 5.3 | 12.07 | |
| | **105** | 11 | 6.7 | 13.40 | |
| TS6314 | **92** | 12 | 5.9 | 15.14 | |
| (1400 min$^{-1}$) | **77** | 14 | 4.9 | 18.17 | |
| | **65** | 17 | 4.1 | 21.58 | |
| | **60** | 18 | 3.8 | 23.51 | |
| | **56** | 20 | 3.5 | 25.10 | |
| | **52** | 21 | 3.3 | 27.08 | |
| | **43** | 26 | 2.7 | 32.49 | |
| | **33** | 33 | 2.1 | 42.04 | |
| | **31** | 35 | 2.0 | 44.89 | |
| | **29** | 38 | 1.8 | 48.86 | |
| | **25** | 43 | 1.6 | 55.10 | |
| | **59** | 19 | 6.5 | 23.56 | **CMG012** |
| | **47** | 23 | 5.2 | 29.56 | |
| | **39** | 28 | 4.3 | 35.47 | |
| | **31** | 36 | 3.3 | 45.89 | |
| | **29** | 39 | 3.1 | 49.00 | |
| | **26** | 42 | 2.9 | 53.33 | |
| | **23** | 47 | 2.5 | 60.15 | |
| | **22** | 49 | 2.5 | 63.22 | **CMG013** |
| | **19** | 58 | 2.1 | 75.08 | |
| | **16** | 69 | 1.7 | 89.17 | |
| | **12** | 87 | 1.4 | 113.05 | |
| | **10** | 103 | 1.2 | 134.27 | |
| | **8.1** | 134 | 0.9 | 173.72 | |
| | **6.9** | 156 | 0.8 | 202.16 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 5034<br>5044 | 5624<br>5634 | 5034 | 5624<br>5634 | 5624 | 6314 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 | 63 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.12** | | | | | |
| SMT5044 | **22** | 49 | 4.1 | 64.01 | **CMG023** |
| SMT5634 | **18** | 58 | 3.4 | 76.02 | |
| SMM5634 | **16** | 69 | 2.9 | 90.29 | |
| (1400 min$^{-1}$) | **12** | 88 | 2.3 | 114.46 | |
| SMT SMM | **10** | 105 | 1.9 | 135.95 | |
| | **8.0** | 135 | 1.5 | 175.89 | |
| | **6.8** | 157 | 1.3 | 204.69 | |
| TS6314 | **5.3** | 204 | 1.0 | 264.84 | |
| (1400 min$^{-1}$) | **4.5** | 237 | 0.8 | 307.80 | |
| | **19** | 56 | 5.4 | 72.83 | **CMG033** |
| | **14** | 75 | 4.0 | 97.45 | |
| | **12** | 89 | 3.4 | 115.74 | |
| | **10** | 108 | 2.8 | 140.81 | |
| | **8.0** | 134 | 2.2 | 174.26 | |
| | **6.2** | 173 | 1.7 | 225.47 | |
| | **5.3** | 202 | 1.5 | 262.05 | |
| | **4.3** | 251 | 1.2 | 325.79 | |
| | **3.7** | 291 | 1.0 | 378.64 | |
| | **3.3** | 329 | 0.9 | 427.03 | |
| | **19** | 56 | 8.9 | 72.83 | **CMG043** |
| | **14** | 75 | 6.7 | 97.45 | |
| | **12** | 89 | 5.6 | 115.74 | |
| | **10** | 108 | 4.6 | 140.81 | |
| | **8.0** | 134 | 3.7 | 174.26 | |
| | **6.2** | 173 | 2.9 | 225.47 | |
| | **5.3** | 202 | 2.5 | 262.05 | |
| | **4.3** | 251 | 2.0 | 325.79 | |
| | **3.7** | 291 | 1.7 | 378.64 | |
| | **3.3** | 329 | 1.5 | 427.03 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.18** | | | | | |
| SMT5644 | **279** | 6 | 6.8 | 5.03 | **CMG002** |
| SMT6324 | **230** | 7 | 5.6 | 6.10 | |
| SMM5644 | **187** | 9 | 4.5 | 7.49 | |
| SMM6324 | **156** | 11 | 4.7 | 8.99 | |
| (1400 min$^{-1}$) | **138** | 12 | 4.2 | 10.16 | |
| | **116** | 14 | 3.5 | 12.07 | |
| SMT SMM | **105** | 16 | 4.4 | 13.40 | |
| | **92** | 18 | 3.9 | 15.14 | |
| TS6324 | **77** | 21 | 3.3 | 18.17 | |
| (1400 min$^{-1}$) | **65** | 25 | 2.8 | 21.58 | |
| | **60** | 28 | 2.5 | 23.51 | |
| | **56** | 30 | 2.4 | 25.10 | |
| | **52** | 32 | 2.2 | 27.08 | |
| | **43** | 38 | 1.8 | 32.49 | |
| | **33** | 50 | 1.4 | 42.04 | |
| | **31** | 53 | 1.3 | 44.89 | |
| | **29** | 58 | 1.2 | 48.86 | |
| | **25** | 65 | 1.1 | 55.10 | |
| | **78** | 21 | 5.7 | 17.86 | **CMG012** |
| | **73** | 22 | 5.3 | 19.07 | |
| | **71** | 23 | 5.1 | 19.83 | |
| | **59** | 28 | 4.3 | 23.56 | |
| | **47** | 35 | 3.4 | 29.56 | |
| | **39** | 42 | 2.9 | 35.47 | |
| | **31** | 54 | 2.2 | 45.89 | |
| | **29** | 58 | 2.1 | 49.00 | |
| | **26** | 63 | 1.9 | 53.33 | |
| | **23** | 71 | 1.7 | 60.15 | |
| | **22** | 73 | 1.6 | 63.22 | **CMG013** |
| | **19** | 87 | 1.4 | 75.08 | |
| | **16** | 103 | 1.2 | 89.17 | |
| | **12** | 130 | 0.9 | 113.05 | |
| | **23** | 72 | 2.8 | 60.90 | **CMG022** |
| | **22** | 74 | 2.7 | 64.01 | **CMG023** |
| | **18** | 88 | 2.3 | 76.02 | |
| | **16** | 104 | 1.9 | 90.29 | |
| | **12** | 132 | 1.5 | 114.46 | |
| | **10** | 157 | 1.3 | 135.95 | |
| | **8.0** | 203 | 1.0 | 175.89 | |
| | **6.8** | 236 | 0.8 | 204.69 | |

IEC

| Motori *Motors* | SMT | | | SMM | | TS |
|---|---|---|---|---|---|---|
| | 5044 | 5634<br>5644 | 6324 | 5634<br>5644 | 6324 | 6314<br>6324 |
| IEC | 56 B14 | 56 B14 | 63 B14 | 56 B14 | 63 B14 | 63 B5 / B14 |

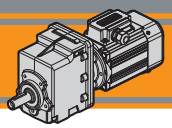
## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.18** | | | | | |
| SMT5644 | **19** | 84 | 3.6 | 72.83 | **CMG033** |
| SMT6324 | **14** | 112 | 2.7 | 97.45 | |
| SMM5644 | **12** | 134 | 2.2 | 115.74 | |
| SMM6324 | **10** | 163 | 1.8 | 140.81 | |
| (1400 min$^{-1}$) | **8.0** | 201 | 1.5 | 174.26 | |
| SMT SMM | **6.2** | 260 | 1.2 | 225.47 | |
| | **5.3** | 302 | 1.0 | 262.05 | |
| TS6324 | **19** | 84 | 5.9 | 72.83 | **CMG043** |
| (1400 min$^{-1}$) | **14** | 112 | 4.4 | 97.45 | |
| | **12** | 134 | 3.7 | 115.74 | |
| | **10** | 163 | 3.1 | 140.81 | |
| | **8.0** | 201 | 2.5 | 174.26 | |
| | **6.2** | 260 | 1.9 | 225.47 | |
| | **5.3** | 302 | 1.7 | 262.05 | |
| | **4.3** | 376 | 1.3 | 325.79 | |
| | **3.7** | 437 | 1.1 | 378.64 | |
| | **3.3** | 493 | 1.0 | 427.03 | |
| **0.25** | | | | | |
| SMT5654 | **279** | 8 | 4.9 | 5.03 | **CMG002** |
| SMT6334 | **230** | 10 | 4.0 | 6.10 | |
| SMM6334 | **187** | 12 | 3.3 | 7.49 | |
| (1400 min$^{-1}$) | **156** | 15 | 3.4 | 8.99 | |
| | **138** | 17 | 3.0 | 10.16 | |
| SMT SMM | **116** | 20 | 2.5 | 12.07 | |
| | **105** | 22 | 3.2 | 13.40 | |
| TS6334 | **92** | 25 | 2.8 | 15.14 | |
| TS7114 | **77** | 30 | 2.4 | 18.17 | |
| (1400 min$^{-1}$) | **65** | 35 | 2.0 | 21.58 | |
| | **60** | 38 | 1.8 | 23.51 | |
| | **56** | 41 | 1.7 | 25.10 | |
| | **52** | 44 | 1.6 | 27.08 | |
| | **43** | 53 | 1.3 | 32.49 | |
| | **33** | 69 | 1.0 | 42.04 | |
| | **31** | 73 | 1.0 | 44.89 | |
| | **29** | 80 | 0.9 | 48.86 | |
| | **25** | 90 | 0.8 | 55.10 | |
| | **367** | 6 | 9.6 | 3.82 | **CMG012** |
| | **302** | 8 | 7.9 | 4.63 | |
| | **246** | 9 | 6.4 | 5.69 | |
| | **181** | 13 | 6.3 | 7.72 | |
| | **153** | 15 | 5.3 | 9.17 | |
| | **143** | 16 | 5.0 | 9.81 | |
| | **122** | 19 | 5.3 | 11.50 | |
| | **118** | 19 | 5.1 | 11.90 | |
| | **101** | 23 | 5.3 | 13.80 | |
| | **96** | 24 | 5.0 | 14.62 | |
| | **78** | 29 | 4.1 | 17.86 | |
| | **73** | 31 | 3.8 | 19.07 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.25** | | | | | |
| SMT5654 | **71** | 32 | 3.7 | 19.83 | **CMG012** |
| SMT6334 | **59** | 39 | 3.1 | 23.56 | |
| SMM6334 | **47** | 48 | 2.5 | 29.56 | |
| (1400 min$^{-1}$) | **39** | 58 | 2.1 | 35.47 | |
| | **31** | 75 | 1.6 | 45.89 | |
| SMT SMM | **29** | 80 | 1.5 | 49.00 | |
| | **26** | 87 | 1.4 | 53.33 | |
| TS6334 | **23** | 98 | 1.2 | 60.15 | |
| TS7114 | | | | | |
| (1400 min$^{-1}$) | **22** | 101 | 1.2 | 63.22 | **CMG013** |
| | **19** | 120 | 1.0 | 75.08 | |
| | **16** | 143 | 0.8 | 89.17 | |
| | **70** | 33 | 6.1 | 20.08 | **CMG022** |
| | **59** | 39 | 5.1 | 23.85 | |
| | **47** | 49 | 4.1 | 29.93 | |
| | **39** | 59 | 3.4 | 35.91 | |
| | **30** | 76 | 2.6 | 46.46 | |
| | **28** | 81 | 2.5 | 49.61 | |
| | **26** | 88 | 2.3 | 54.00 | |
| | **23** | 100 | 2.0 | 60.90 | |
| | **22** | 103 | 1.9 | 64.01 | **CMG023** |
| | **18** | 122 | 1.6 | 76.02 | |
| | **16** | 145 | 1.4 | 90.29 | |
| | **12** | 183 | 1.1 | 114.46 | |
| | **10** | 218 | 0.9 | 135.95 | |
| TS7114 | **32** | 72 | 4.1 | 44.18 | **CMG032** |
| B5 | **27** | 84 | 3.6 | 51.30 | |
| Solo / *Only* | **23** | 100 | 3.0 | 60.80 | |
| SMT5654 | **19** | 117 | 2.6 | 72.83 | **CMG033** |
| SMT6334 | **14** | 156 | 1.9 | 97.45 | |
| SMM6334 | **12** | 186 | 1.6 | 115.74 | |
| (1400 min$^{-1}$) | **10** | 226 | 1.3 | 140.81 | |
| | **8.0** | 279 | 1.1 | 174.26 | |
| SMT SMM | **6.2** | 361 | 0.8 | 225.47 | |
| TS6334 | **19** | 117 | 4.3 | 72.83 | **CMG043** |
| TS7114 | **14** | 156 | 3.2 | 97.45 | |
| (1400 min$^{-1}$) | **12** | 186 | 2.7 | 115.74 | |
| | **10** | 226 | 2.2 | 140.81 | |
| | **8.0** | 279 | 1.8 | 174.26 | |
| | **6.2** | 361 | 1.4 | 225.47 | |
| | **5.3** | 420 | 1.2 | 262.05 | |
| | **4.3** | 522 | 1.0 | 325.79 | |
| | **3.7** | 607 | 0.8 | 378.64 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 5644 | 6324 6334 | 5644 | 6324 6334 | 6324 6334 | 7114 |
| IEC | 56 B14 | 63 B14 | 56 B14 | 63 B14 | 63 B5 / B14 | 71 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.37** | | | | | |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$)<br>SMT SMM | **279** | 12 | 3.3 | 5.03 | **CMG002** |
| | **230** | 15 | 2.7 | 6.10 | |
| | **187** | 18 | 2.2 | 7.49 | |
| | **156** | 22 | 2.3 | 8.99 | |
| | **138** | 25 | 2.0 | 10.16 | |
| | **116** | 29 | 1.7 | 12.07 | |
| | **105** | 32 | 2.2 | 13.40 | |
| TS7124<br>(1400 min$^{-1}$) | **92** | 37 | 1.9 | 15.14 | |
| | **77** | 44 | 1.6 | 18.17 | |
| | **65** | 52 | 1.3 | 21.58 | |
| | **60** | 57 | 1.2 | 23.51 | |
| | **56** | 61 | 1.2 | 25.10 | |
| | **52** | 66 | 1.1 | 27.08 | |
| | **43** | 79 | 0.9 | 32.49 | |
| | **367** | 9 | 6.5 | 3.82 | **CMG012** |
| | **302** | 11 | 5.3 | 4.63 | |
| | **246** | 14 | 4.4 | 5.69 | |
| | **181** | 19 | 4.3 | 7.72 | |
| | **153** | 22 | 3.6 | 9.17 | |
| | **143** | 24 | 3.4 | 9.81 | |
| | **122** | 28 | 3.6 | 11.50 | |
| | **118** | 29 | 3.5 | 11.90 | |
| | **101** | 33 | 3.6 | 13.80 | |
| | **96** | 35 | 3.4 | 14.62 | |
| | **78** | 43 | 2.8 | 17.86 | |
| | **73** | 46 | 2.6 | 19.07 | |
| | **71** | 48 | 2.5 | 19.83 | |
| | **59** | 57 | 2.1 | 23.56 | |
| | **47** | 72 | 1.7 | 29.56 | |
| | **39** | 86 | 1.4 | 35.47 | |
| | **31** | 111 | 1.1 | 45.89 | |
| | **29** | 119 | 1.0 | 49.00 | |
| | **26** | 129 | 0.9 | 53.33 | |
| | **23** | 146 | 0.8 | 60.15 | |
| | **22** | 150 | 0.8 | 63.22 | **CMG013** |
| | **127** | 27 | 7.5 | 11.01 | **CMG022** |
| | **116** | 29 | 6.8 | 12.05 | |
| | **106** | 32 | 5.0 | 13.21 | |
| | **95** | 36 | 5.6 | 14.81 | |
| | **82** | 41 | 3.1 | 17.10 | |
| | **70** | 49 | 4.1 | 20.08 | |
| | **59** | 58 | 3.5 | 23.85 | |
| | **47** | 73 | 2.8 | 29.93 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.37** | | | | | |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$)<br>SMT SMM | **39** | 87 | 2.3 | 35.91 | **CMG022** |
| | **30** | 113 | 1.8 | 46.46 | |
| | **28** | 120 | 1.7 | 49.61 | |
| | **26** | 131 | 1.5 | 54.00 | |
| | **23** | 148 | 1.4 | 60.90 | |
| | **22** | 152 | 1.3 | 64.01 | **CMG023** |
| TS7124<br>(1400 min$^{-1}$) | **18** | 180 | 1.1 | 76.02 | |
| | **16** | 214 | 0.9 | 90.29 | |
| TS7124<br>B5<br>Solo / *Only*<br>(1400 min$^{-1}$) | **66** | 51 | 4.7 | 21.15 | **CMG032** |
| | **56** | 61 | 5.0 | 24.99 | |
| | **46** | 74 | 4.0 | 30.57 | |
| | **41** | 83 | 3.6 | 34.20 | |
| | **36** | 94 | 3.2 | 38.63 | |
| | **32** | 107 | 2.8 | 44.18 | |
| | **27** | 124 | 2.4 | 51.30 | |
| | **23** | 147 | 2.0 | 60.80 | |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$) | **19** | 173 | 1.7 | 72.83 | **CMG033** |
| | **14** | 231 | 1.3 | 97.45 | |
| | **12** | 275 | 1.1 | 115.74 | |
| | **10** | 334 | 0.9 | 140.81 | |
| SMT SMM<br>TS7124<br>(1400 min$^{-1}$) | **19** | 173 | 2.9 | 72.83 | **CMG043** |
| | **14** | 231 | 2.2 | 97.45 | |
| | **12** | 275 | 1.8 | 115.74 | |
| | **10** | 334 | 1.5 | 140.81 | |
| | **8.0** | 413 | 1.2 | 174.26 | |
| | **6.2** | 535 | 0.9 | 225.47 | |
| **0.55** | | | | | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM | **279** | 18 | 2.2 | 5.03 | **CMG002** |
| | **230** | 22 | 1.8 | 6.10 | |
| | **187** | 27 | 1.5 | 7.49 | |
| | **156** | 32 | 1.5 | 8.99 | |
| | **138** | 37 | 1.4 | 10.16 | |
| | **116** | 43 | 1.2 | 12.07 | |
| TS7134<br>TS8014<br>(1400 min$^{-1}$) | **105** | 48 | 1.5 | 13.40 | |
| | **92** | 55 | 1.3 | 15.14 | |
| | **77** | 65 | 1.1 | 18.17 | |
| | **65** | 78 | 0.9 | 21.58 | |

IEC

| Motori *Motors* | SMT | | SMM | TS | |
|---|---|---|---|---|---|
| | 6344 | 7124<br>7134 | 7124<br>7134 | 7124<br>7134 | 8014 |
| IEC | 63 B14 | 71 B14 | 71 B14 | 71 B5 / B14 | 80 B5 / B14 |

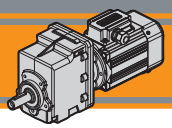
## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.55** | | | | | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>TS8014<br>(1400 min$^{-1}$) | **367** | 14 | 4.4 | 3.82 | **CMG012** |
| | **302** | 17 | 3.6 | 4.63 | |
| | **246** | 20 | 2.9 | 5.69 | |
| | **181** | 28 | 2.9 | 7.72 | |
| | **153** | 33 | 2.4 | 9.17 | |
| | **143** | 35 | 2.3 | 9.81 | |
| | **122** | 41 | 2.4 | 11.50 | |
| | **118** | 43 | 2.3 | 11.90 | |
| | **101** | 50 | 2.4 | 13.80 | |
| | **96** | 53 | 2.3 | 14.62 | |
| | **78** | 64 | 1.9 | 17.86 | |
| | **73** | 69 | 1.7 | 19.07 | |
| | **71** | 71 | 1.7 | 19.83 | |
| | **59** | 85 | 1.4 | 23.56 | |
| | **47** | 106 | 1.1 | 29.56 | |
| | **39** | 128 | 0.9 | 35.47 | |
| | **383** | 13 | 7.6 | 3.66 | **CMG022** |
| | **316** | 16 | 6.3 | 4.43 | |
| | **257** | 20 | 5.1 | 5.45 | |
| | **189** | 27 | 4.5 | 7.39 | |
| | **160** | 32 | 3.8 | 8.78 | |
| | **141** | 36 | 3.4 | 9.93 | |
| | **127** | 40 | 5.0 | 11.01 | |
| | **116** | 43 | 4.6 | 12.05 | |
| | **106** | 48 | 3.4 | 13.21 | |
| | **95** | 53 | 3.8 | 14.81 | |
| | **82** | 62 | 2.1 | 17.10 | |
| | **70** | 72 | 2.8 | 20.08 | |
| | **59** | 86 | 2.3 | 23.85 | |
| | **47** | 108 | 1.9 | 29.93 | |
| | **39** | 129 | 1.5 | 35.91 | |
| | **30** | 167 | 1.2 | 46.46 | |
| | **28** | 179 | 1.1 | 49.61 | |
| | **26** | 194 | 1.0 | 54.00 | |
| | **212** | 226 | 0.9 | 64.01 | **CMG023** |
| TS7134<br>B5<br>TS8014<br>Solo / *Only*<br>(1400 min$^{-1}$) | **111** | 45 | 5.5 | 12.60 | **CMG032** |
| | **105** | 48 | 5.2 | 13.30 | |
| | **92** | 55 | 5.1 | 15.30 | |
| | **77** | 66 | 3.7 | 18.21 | |
| | **73** | 69 | 4.0 | 19.24 | |
| | **66** | 76 | 3.2 | 21.15 | |
| | **56** | 90 | 3.3 | 24.99 | |
| | **46** | 110 | 2.7 | 30.57 | |
| | **41** | 123 | 2.4 | 34.20 | |
| | **36** | 139 | 2.2 | 38.63 | |
| | **32** | 159 | 1.9 | 44.18 | |
| | **27** | 185 | 1.6 | 51.30 | |
| | **23** | 219 | 1.4 | 60.80 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.55** | | | | | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>TS8014<br>(1400 min$^{-1}$) | **19** | 257 | 1.2 | 72.83 | **CMG033** |
| | **14** | 344 | 0.9 | 97.45 | |
| TS7134<br>B5<br>TS8014<br>Solo / *Only*<br>(1400 min$^{-1}$) | **23** | 219 | 2.2 | 60.80 | **CMG042** |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>TS8014<br>(1400 min$^{-1}$) | **19** | 257 | 1.9 | 72.83 | **CMG043** |
| | **14** | 344 | 1.5 | 97.45 | |
| | **12** | 408 | 1.2 | 115.74 | |
| | **10** | 497 | 1.0 | 140.81 | |
| | **10** | 497 | 1.0 | 140.81 | |
| | **8.0** | 615 | 0.8 | 174.26 | |
| **0.75** | | | | | |
| SMT7144<br>SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7144<br>TS8024<br>(1400 min$^{-1}$) | **279** | 25 | 1.6 | 5.03 | **CMG002** |
| | **230** | 30 | 1.3 | 6.10 | |
| | **187** | 37 | 1.1 | 7.49 | |
| | **156** | 44 | 1.1 | 8.99 | |
| | **138** | 50 | 1.0 | 10.16 | |
| | **116** | 59 | 0.8 | 12.07 | |
| | **105** | 66 | 1.1 | 13.40 | |
| | **92** | 74 | 0.9 | 15.14 | |
| | **367** | 19 | 3.2 | 3.82 | **CMG012** |
| | **302** | 23 | 2.6 | 4.63 | |
| | **246** | 28 | 2.1 | 5.69 | |
| | **181** | 38 | 2.1 | 7.72 | |
| | **153** | 45 | 1.8 | 9.17 | |
| | **143** | 48 | 1.7 | 9.81 | |
| | **122** | 56 | 1.8 | 11.50 | |
| | **118** | 58 | 1.7 | 11.90 | |
| | **101** | 68 | 1.8 | 13.80 | |
| | **96** | 72 | 1.7 | 14.62 | |
| | **78** | 88 | 1.4 | 17.86 | |
| | **73** | 94 | 1.3 | 19.07 | |
| | **71** | 97 | 1.2 | 19.83 | |
| | **59** | 116 | 1.0 | 23.56 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 7134<br>7144 | 8024 | 7134 | 8024 | 7134<br>7144 | 8014<br>8024 |
| IEC | 71 B14 | 80 B14 | 71 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 |



## Dati tecnici / *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.75** | | | | | |
| SMT7144<br>SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7144<br>TS8024<br>(1400 min$^{-1}$) | **383** | 18 | 5.6 | 3.66 | **CMG022** |
| | **316** | 22 | 4.6 | 4.43 | |
| | **257** | 27 | 3.7 | 5.45 | |
| | **189** | 36 | 3.3 | 7.39 | |
| | **160** | 43 | 2.8 | 8.78 | |
| | **141** | 49 | 2.5 | 9.93 | |
| | **127** | 54 | 3.7 | 11.01 | |
| | **116** | 59 | 3.4 | 12.05 | |
| | **106** | 65 | 2.5 | 13.21 | |
| | **95** | 73 | 2.8 | 14.81 | |
| | **82** | 84 | 1.5 | 17.10 | |
| | **70** | 99 | 2.0 | 20.08 | |
| | **59** | 117 | 1.7 | 23.85 | |
| | **47** | 147 | 1.4 | 29.93 | |
| | **39** | 176 | 1.1 | 35.91 | |
| | **30** | 228 | 0.9 | 46.46 | |
| | **28** | 244 | 0.8 | 49.61 | |
| SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7144<br>B5<br>TS8024<br>(1400 min$^{-1}$) | **374** | 18 | 8.2 | 3.74 | **CMG032** |
| | **311** | 22 | 6.8 | 4.50 | |
| | **255** | 27 | 5.6 | 5.48 | |
| | **222** | 31 | 5.8 | 6.31 | |
| | **177** | 39 | 4.6 | 7.93 | |
| | **154** | 45 | 4.0 | 9.08 | |
| | **128** | 54 | 3.4 | 10.93 | |
| | **111** | 62 | 4.0 | 12.60 | |
| | **105** | 65 | 3.8 | 13.30 | |
| | **92** | 75 | 3.7 | 15.30 | |
| | **77** | 89 | 2.7 | 18.21 | |
| | **73** | 94 | 3.0 | 19.24 | |
| | **66** | 104 | 2.3 | 21.15 | |
| | **56** | 123 | 2.4 | 24.99 | |
| | **46** | 150 | 2.0 | 30.57 | |
| | **41** | 168 | 1.8 | 34.20 | |
| | **36** | 190 | 1.6 | 38.63 | |
| | **32** | 217 | 1.4 | 44.18 | |
| | **27** | 252 | 1.2 | 51.30 | |
| | **23** | 299 | 1.0 | 60.80 | |
| | **56** | 123 | 4.1 | 24.99 | **CMG042** |
| | **46** | 150 | 3.3 | 30.57 | |
| | **41** | 168 | 3.0 | 34.20 | |
| | **36** | 190 | 2.6 | 38.63 | |
| | **32** | 217 | 2.3 | 44.18 | |
| | **27** | 252 | 2.0 | 51.30 | |
| | **23** | 299 | 1.6 | 60.80 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.75** | | | | | |
| SMT7144<br>SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7144<br>TS8024<br>(1400 min$^{-1}$) | **19** | 350 | 1.4 | 72.83 | **CMG043** |
| | **14** | 469 | 1.1 | 97.45 | |
| | **12** | 557 | 0.9 | 115.74 | |
| **1.1** | | | | | |
| SMT8034 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS8034<br>TS90S4<br>(1400 min$^{-1}$) | **367** | 28 | 2.2 | 3.82 | **CMG012** |
| | **302** | 33 | 1.8 | 4.63 | |
| | **246** | 41 | 1.5 | 5.69 | |
| | **181** | 56 | 1.4 | 7.72 | |
| | **153** | 66 | 1.2 | 9.17 | |
| | **143** | 71 | 1.1 | 9.81 | |
| | **122** | 83 | 1.2 | 11.50 | |
| | **118** | 86 | 1.2 | 11.90 | |
| | **101** | 99 | 1.2 | 13.80 | |
| | **96** | 105 | 1.1 | 14.62 | |
| | **78** | 129 | 0.9 | 17.86 | |
| | **71** | 143 | 0.8 | 19.83 | |
| | **383** | 26 | 3.8 | 3.66 | **CMG022** |
| | **316** | 32 | 3.1 | 4.43 | |
| | **257** | 39 | 2.5 | 5.45 | |
| | **189** | 53 | 2.3 | 7.39 | |
| | **160** | 63 | 1.9 | 8.78 | |
| | **141** | 72 | 1.7 | 9.93 | |
| | **127** | 79 | 2.5 | 11.01 | |
| | **116** | 87 | 2.3 | 12.05 | |
| | **106** | 95 | 1.7 | 13.21 | |
| | **95** | 107 | 1.9 | 14.81 | |
| | **70** | 145 | 1.4 | 20.08 | |
| | **59** | 172 | 1.2 | 23.85 | |
| | **47** | 216 | 0.9 | 29.93 | |
| | **39** | 259 | 0.8 | 35.91 | |

IEC

| Motori *Motors* | SMT | | SMM | TS | | |
|---|---|---|---|---|---|---|
| | 7144 | 8024<br>8034 | 8024 | 7144 | 8024<br>8034 | 90S4 |
| IEC | 71 B14 | 80 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 | 90 B5 / B14 |

## Dati tecnici

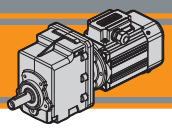
*Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **1.1** | | | | | |
| SMT8034 IE3 (1400 min$^{-1}$) SMT SMM | **374** | 27 | 5.6 | 3.74 | **CMG032** |
| | **311** | 32 | 4.6 | 4.50 | |
| | **255** | 39 | 3.8 | 5.48 | |
| | **222** | 45 | 4.0 | 6.31 | |
| | **177** | 57 | 3.2 | 7.93 | |
| TS8034 TS90S4 (1400 min$^{-1}$) | **154** | 65 | 2.8 | 9.08 | |
| | **128** | 79 | 2.3 | 10.93 | |
| | **111** | 91 | 2.8 | 12.60 | |
| | **105** | 96 | 2.6 | 13.30 | |
| | **92** | 110 | 2.5 | 15.30 | |
| | **77** | 131 | 1.8 | 18.21 | |
| | **73** | 139 | 2.0 | 19.24 | |
| | **66** | 152 | 1.6 | 21.15 | |
| | **56** | 180 | 1.7 | 24.99 | |
| | **46** | 220 | 1.4 | 30.57 | |
| | **41** | 246 | 1.2 | 34.20 | |
| | **36** | 278 | 1.1 | 38.63 | |
| | **32** | 318 | 0.9 | 44.18 | |
| | **128** | 79 | 3.6 | 10.93 | **CMG042** |
| | **111** | 91 | 3.9 | 12.60 | |
| | **105** | 96 | 3.7 | 13.30 | |
| | **92** | 110 | 3.8 | 15.30 | |
| | **73** | 139 | 3.0 | 19.24 | |
| | **56** | 180 | 2.8 | 24.99 | |
| | **46** | 220 | 2.3 | 30.57 | |
| | **41** | 247 | 2.0 | 34.30 | |
| | **36** | 278 | 1.8 | 38.63 | |
| | **32** | 318 | 1.6 | 44.18 | |
| | **27** | 370 | 1.4 | 51.30 | |
| | **23** | 438 | 1.1 | 60.80 | |
| | **19** | 514 | 1.0 | 72.83 | **CMG043** |
| **1.5** | | | | | |
| SMT9024 IE3 (1400 min$^{-1}$) SMT SMM | **367** | 38 | 1.6 | 3.82 | **CMG012** |
| | **302** | 45 | 1.3 | 4.63 | |
| | **246** | 56 | 1.1 | 5.69 | |
| | **181** | 76 | 1.1 | 7.72 | |
| | **153** | 90 | 0.9 | 9.17 | |
| TS90L14 (1400 min$^{-1}$) | **383** | 36 | 2.8 | 3.66 | **CMG022** |
| | **316** | 44 | 2.3 | 4.43 | |
| | **257** | 54 | 1.9 | 5.45 | |
| | **189** | 73 | 1.7 | 7.39 | |
| | **160** | 86 | 1.4 | 8.78 | |
| | **141** | 98 | 1.2 | 9.93 | |
| | **127** | 108 | 1.8 | 11.01 | |
| | **116** | 118 | 1.7 | 12.05 | |
| | **106** | 130 | 1.2 | 13.21 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **1.5** | | | | | |
| SMT9024 IE3 (1400 min$^{-1}$) SMT SMM | **95** | 145 | 1.4 | 14.81 | **CMG022** |
| | **70** | 197 | 1.0 | 20.08 | |
| | **59** | 234 | 0.9 | 23.85 | |
| | **374** | 37 | 4.1 | 3.74 | **CMG032** |
| TS90L14 (1400 min$^{-1}$) | **311** | 44 | 3.4 | 4.50 | |
| | **255** | 54 | 2.8 | 5.48 | |
| | **222** | 62 | 2.9 | 6.31 | |
| | **177** | 78 | 2.3 | 7.93 | |
| | **154** | 89 | 2.0 | 9.08 | |
| | **128** | 107 | 1.7 | 10.93 | |
| | **111** | 124 | 2.0 | 12.60 | |
| | **105** | 131 | 1.9 | 13.30 | |
| | **92** | 150 | 1.9 | 15.30 | |
| | **77** | 179 | 1.3 | 18.21 | |
| | **73** | 189 | 1.5 | 19.24 | |
| | **66** | 208 | 1.2 | 21.15 | |
| | **56** | 245 | 1.2 | 24.99 | |
| | **46** | 300 | 1.0 | 30.57 | |
| | **41** | 336 | 0.9 | 34.20 | |
| | **36** | 379 | 0.8 | 38.63 | |
| | **374** | 37 | 6.3 | 3.74 | **CMG042** |
| | **311** | 44 | 5.2 | 4.50 | |
| | **255** | 54 | 4.3 | 5.48 | |
| | **222** | 62 | 4.2 | 6.31 | |
| | **177** | 78 | 3.3 | 7.93 | |
| | **154** | 89 | 3.1 | 9.08 | |
| | **128** | 107 | 2.6 | 10.93 | |
| | **111** | 124 | 2.8 | 12.60 | |
| | **105** | 131 | 2.7 | 13.30 | |
| | **92** | 150 | 2.8 | 15.30 | |
| | **73** | 189 | 2.2 | 19.24 | |
| | **56** | 245 | 2.0 | 24.99 | |
| | **46** | 300 | 1.7 | 30.57 | |
| | **41** | 336 | 1.5 | 34.20 | |
| | **36** | 379 | 1.3 | 38.63 | |
| | **32** | 434 | 1.2 | 44.18 | |
| | **27** | 504 | 1.0 | 51.30 | |

IEC

| Motori *Motors* | SMT | | TS | | |
|---|---|---|---|---|---|
| | 8034 | 9024 | 7144 | 8034 | 90S4 90L14 |
| IEC | 80 B14 | 90 B14 | 71 B5 / B14 | 80 B5 / B14 | 90 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **2.2** | | | | | |
| SMT9034 IE3 (1400 min$^{-1}$) | **374** | 54 | 2.8 | 3.74 | **CMG032** |
| | **311** | 65 | 2.3 | 4.50 | |
| | **255** | 79 | 1.9 | 5.48 | |
| | **222** | 91 | 2.0 | 6.31 | |
| | **177** | 114 | 1.6 | 7.93 | |
| TS90L24 | **154** | 131 | 1.4 | 9.08 | |
| TS100L14 | **128** | 157 | 1.1 | 10.93 | |
| (1400 min$^{-1}$) | **111** | 182 | 1.4 | 12.60 | |
| | **105** | 192 | 1.3 | 13.30 | |
| | **92** | 220 | 1.3 | 15.30 | |
| | **73** | 277 | 1.0 | 19.24 | |
| | **56** | 360 | 0.8 | 24.99 | |
| | **374** | 54 | 4.3 | 3.74 | **CMG042** |
| | **311** | 65 | 3.5 | 4.50 | |
| | **255** | 79 | 2.9 | 5.48 | |
| | **222** | 91 | 2.9 | 6.31 | |
| | **177** | 114 | 2.3 | 7.93 | |
| | **154** | 131 | 2.1 | 9.08 | |
| | **128** | 157 | 1.8 | 10.93 | |
| | **111** | 182 | 1.9 | 12.60 | |
| | **105** | 192 | 1.8 | 13.30 | |
| | **92** | 220 | 1.9 | 15.30 | |
| | **73** | 277 | 1.5 | 19.24 | |
| | **56** | 360 | 1.4 | 24.99 | |
| | **46** | 440 | 1.1 | 30.57 | |
| | **41** | 494 | 1.0 | 34.30 | |
| | **36** | 557 | 0.9 | 38.63 | |
| **3** | | | | | |
| 100LB4 (1400 min$^{-1}$) | **374** | 74 | 2.0 | 3.74 | **CMG032** |
| | **311** | 88 | 1.7 | 4.50 | |
| | **255** | 108 | 1.4 | 5.48 | |
| | **222** | 124 | 1.5 | 6.31 | |
| | **177** | 156 | 1.2 | 7.93 | |
| | **154** | 178 | 1.0 | 9.08 | |
| | **128** | 215 | 0.8 | 10.93 | |
| | **111** | 248 | 1.0 | 12.60 | |
| | **105** | 261 | 1.0 | 13.30 | |
| | **92** | 301 | 0.9 | 15.30 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **3** | | | | | |
| 100LB4 (1400 min$^{-1}$) | **374** | 74 | 3.1 | 3.74 | **CMG042** |
| | **311** | 88 | 2.6 | 4.50 | |
| | **255** | 108 | 2.1 | 5.48 | |
| | **222** | 124 | 2.1 | 6.31 | |
| | **177** | 156 | 1.7 | 7.93 | |
| | **154** | 178 | 1.6 | 9.08 | |
| | **128** | 215 | 1.3 | 10.93 | |
| | **111** | 248 | 1.4 | 12.60 | |
| | **105** | 261 | 1.3 | 13.30 | |
| | **92** | 301 | 1.4 | 15.30 | |
| | **73** | 378 | 1.1 | 19.24 | |
| | **56** | 491 | 1.0 | 24.99 | |
| | **46** | 601 | 0.8 | 30.57 | |
| **4** | | | | | |
| 112M4 (1400 min$^{-1}$) | **374** | 98 | 1.5 | 3.74 | **CMG032** |
| | **311** | 118 | 1.3 | 4.50 | |
| | **255** | 144 | 1.0 | 5.48 | |
| | **222** | 165 | 1.1 | 6.31 | |
| | **177** | 208 | 0.9 | 7.93 | |
| | **374** | 98 | 2.3 | 3.74 | **CMG042** |
| | **311** | 118 | 1.9 | 4.50 | |
| | **255** | 144 | 1.6 | 5.48 | |
| | **222** | 165 | 1.6 | 6.31 | |
| | **177** | 208 | 1.3 | 7.93 | |
| | **154** | 238 | 1.2 | 9.08 | |
| | **128** | 286 | 1.0 | 10.93 | |
| | **111** | 330 | 1.1 | 12.60 | |
| | **105** | 348 | 1.0 | 13.30 | |
| | **92** | 401 | 1.0 | 15.30 | |
| | **73** | 504 | 0.8 | 19.24 | |
| | **56** | 655 | 0.8 | 24.99 | |

| Motori *Motors* | SMT | TS | | IEC | |
|---|---|---|---|---|---|
| | 9034 | 90L24 | TS100L14 | 100LB4 | 112M4 |
| IEC | 90 B14 | 90 B5 / B14 | 100 B5 / B14 | 100 B5 / B14 | 112 B5 / B14 |

## Dati tecnici elettrici — *Electrical technical data*

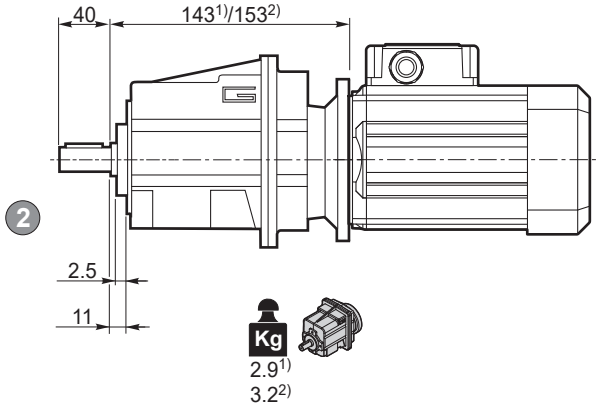
Si prega di consultare il paragrafo dedicato: — *Please see the dedicated paragraph:*

N4 pag.
R3 pag.

Dimensioni | *Dimensions*

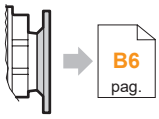
# CMG 002 U

## CMG 002 U

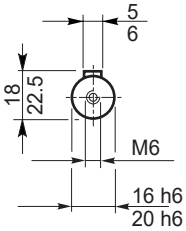



[1)]IEC 56/63/71, [2)]IEC 80

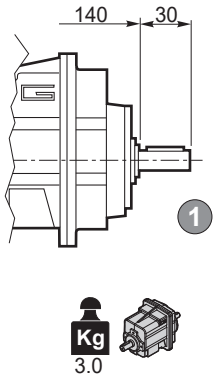
Flangia entrata
*Input flange*

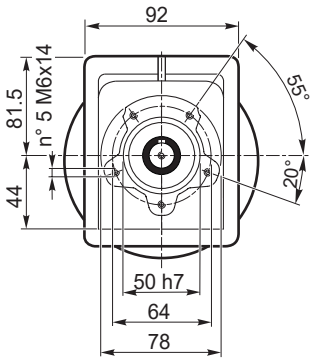


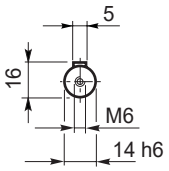

Albero uscita
*Output shaft*
2



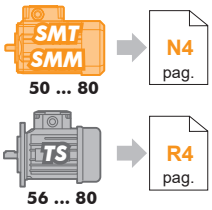

## CMGIS 002 U



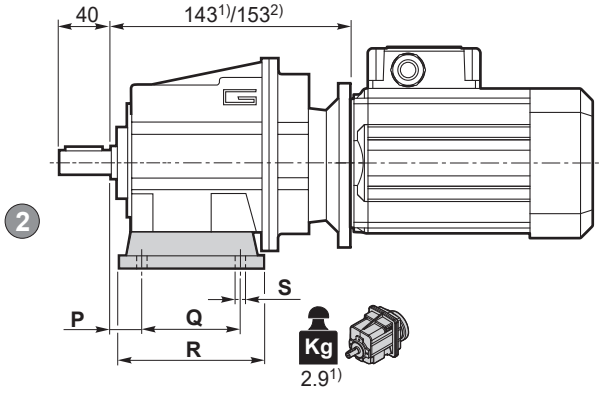

Albero entrata
*Input shaft*
1



**Dimensioni** ***Dimensions***

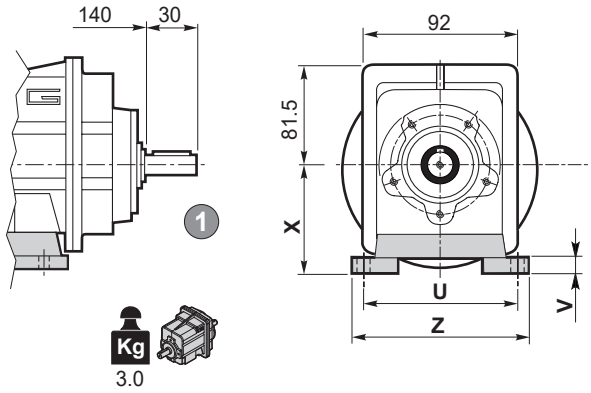
# CMG 002 H..

## CMG 002 H..

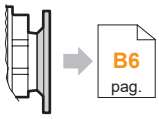



[1]IEC 56/63/71, [2]IEC 80

## CMGIS 002 H..



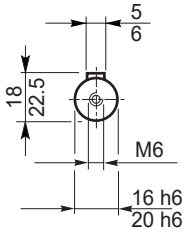

Flangia entrata
*Input flange*

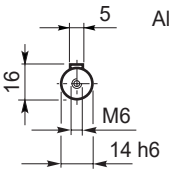


B6 pag.

Albero uscita
*Output shaft*

2



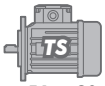




Albero entrata
*Input shaft*

1




N4 pag.




R4 pag.

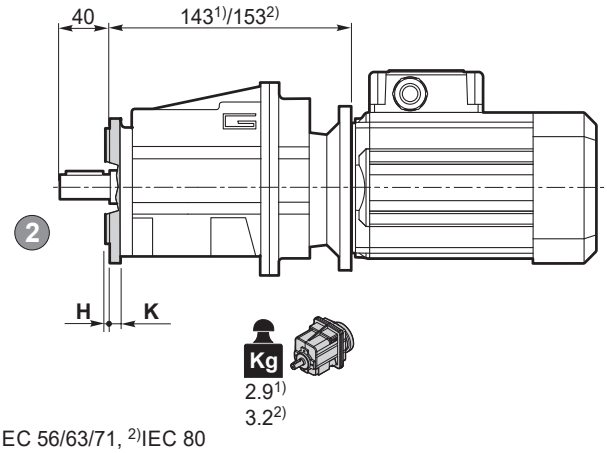
| Versione **H** / ***H** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** | |
| | | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **002** | **18** | **60** | **80** | **9** | **100** | **10** | **60** | **120** | **H60** | **0.2** |
| | 18 | 80 | 104 | 9 | 110 - 120 | 10 | 75 | 145 | H75 | 0.3 |
| | 18 | 50 - 87 | 110 | 9 | 110 | 10 | 85 | 135 | H85 | 0.4 |

Preferenziale / *Preferred*

**Dimensioni** ***Dimensions***

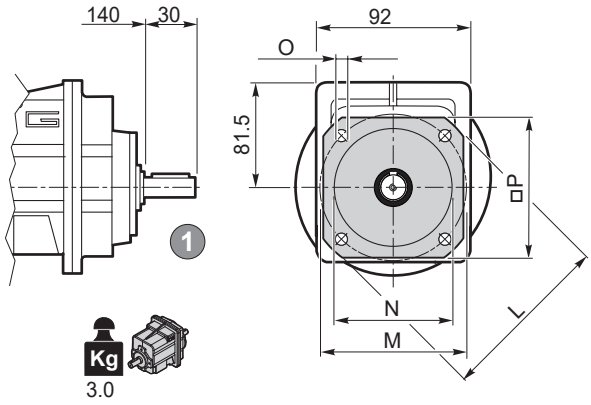
# CMG 002 F..

## CMG 002 F..

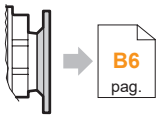



[1]IEC 56/63/71, [2]IEC 80

## CMGIS 002 F..

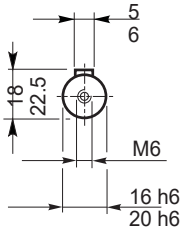


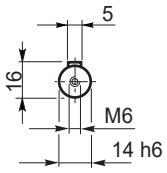

Flangia entrata
*Input flange*



B6 pag.

Albero uscita
*Output shaft*
2




Albero entrata
*Input shaft*
1

SMT SMM 50 ... 80 → N4 pag.

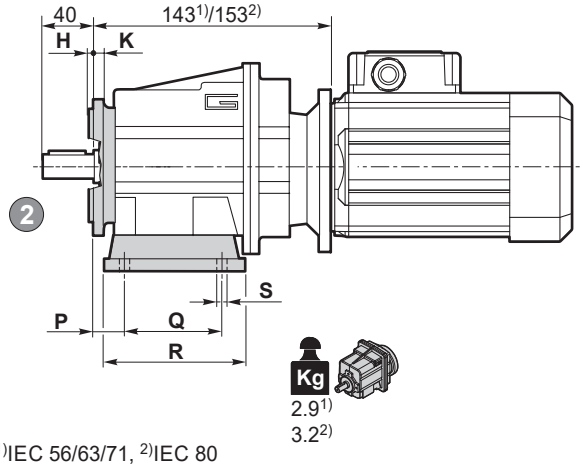
TS 56 ... 80 → R4 pag.

| Versione **F** / ***F** Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** | |
| | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **002** | 3.5 | 7 | 105 | 85 | 70 | 6.5 | 90 | **F105** | 0.1 |
| | 3.5 | 8 | 120 | 100 | 80 | 9 | 100 | **F120** | 0.2 |
| | 3.5 | 8 | 140 | 115 | 95 | 9 | 115 | **F140** | 0.2 |

**Dimensioni** ***Dimensions***

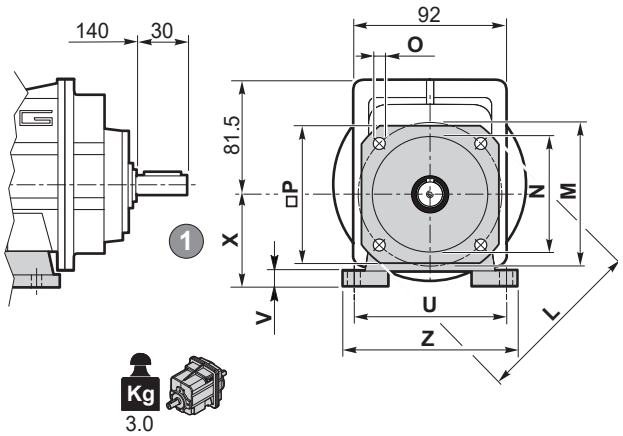
# CMG 002 H../F..

## CMG 002 H../F..

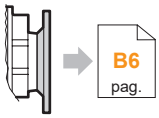



[1]IEC 56/63/71, [2]IEC 80

## CMGIS 002 H../F..

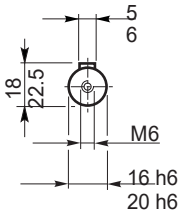


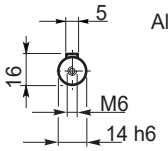

Flangia entrata
*Input flange*



B6 pag.

Albero uscita
*Output shaft*
2




Albero entrata
*Input shaft*
1

SMT SMM 50 ... 80 → N4 pag.

TS 56 ... 80 → R4 pag.

| Versione **H** / ***H*** Version | | | | | | | | | | | Combinazioni possibili H/F *Possible combinations H/F* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** Tipo *Type* | Peso / *Weight* [kg] | **F105** | **F120** | **F140** |
| **002** | **18** | **60** | **80** | **9** | **100** | **10** | **60** | **120** | **H60** | **0.2** | • | • | • |
| | 18 | 80 | 104 | 9 | 110 - 120 | 10 | 75 | 145 | **H75** | 0.3 | • | • | • |
| | 18 | 50 - 87 | 110 | 9 | 110 | 10 | 85 | 135 | **H85** | 0.4 | • | • | • |

Preferenziale / *Preferred*

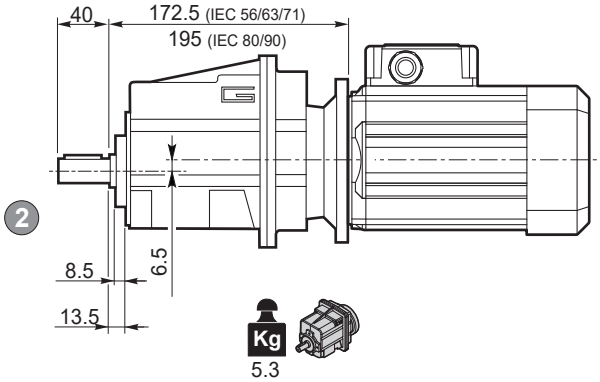
• Combinazioni possibili H/F / *Possible combinations H/F*

| Versione **F** / ***F*** *Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** Tipo / *Type* | Peso / *Weight* [kg] |
| **002** | 3.5 | 7 | 105 | 85 | 70 | 6.5 | 90 | **F105** | 0.1 |
| | 3.5 | 8 | 120 | 100 | 80 | 9 | 100 | **F120** | 0.2 |
| | 3.5 | 8 | 140 | 115 | 95 | 9 | 115 | **F140** | 0.2 |

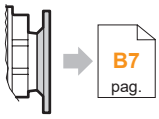
Dimensioni *Dimensions*

# CMG 012 U - CMG 013 U

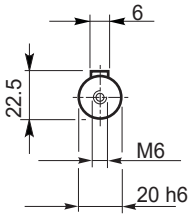
## CMG 012 U



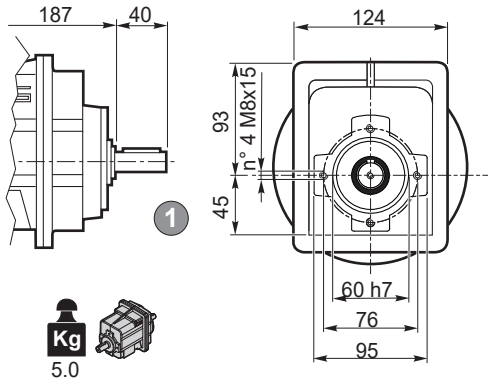

Flangia entrata
*Input flange*

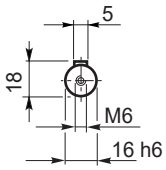



Albero uscita
*Output shaft*
2

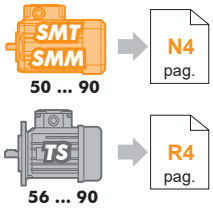



## CMGIS 012 U

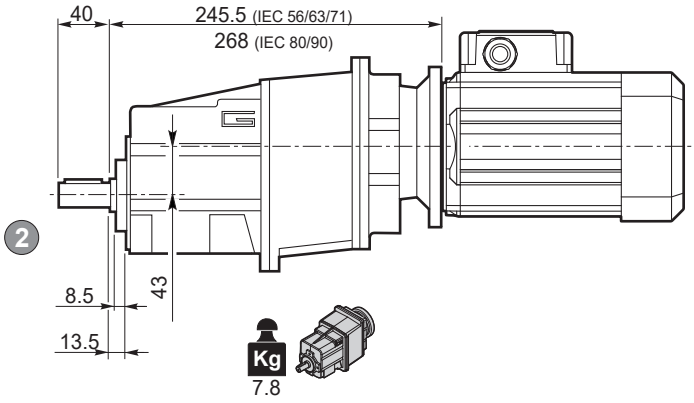


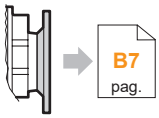

Albero entrata
*Input shaft*
1



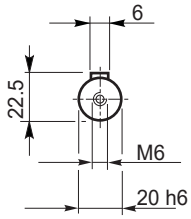

## CMG 013 U



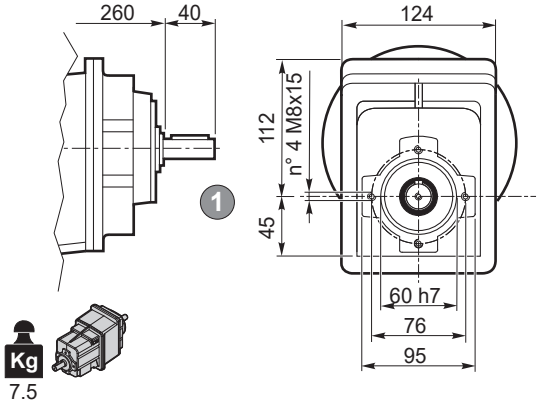

Flangia entrata
*Input flange*

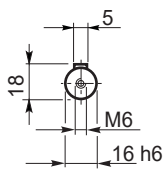



Albero uscita
*Output shaft*
2

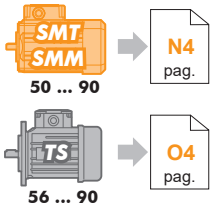



## CMGIS 013 U



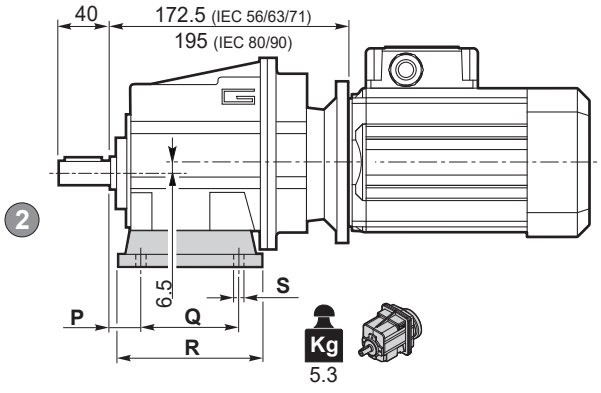

Albero entrata
*Input shaft*
1



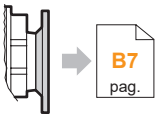
**Dimensioni** *Dimensions*

# CMG 012 H.. - CMG 013 H..

## CMG 012 H..

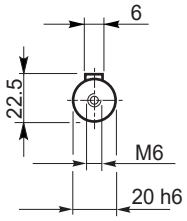



Flangia entrata
*Input flange*

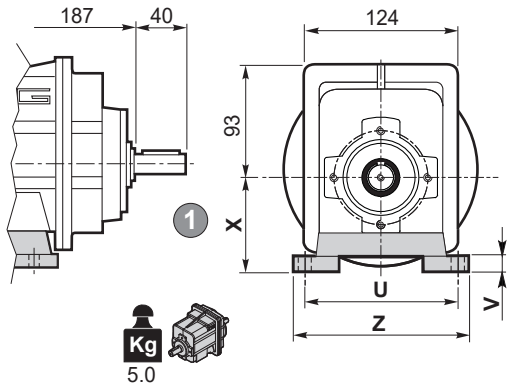


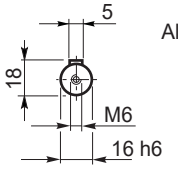
B7 pag.

Albero uscita
*Output shaft*
2

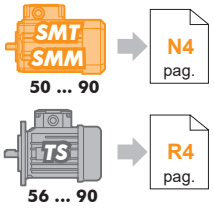



## CMGIS 012 H..

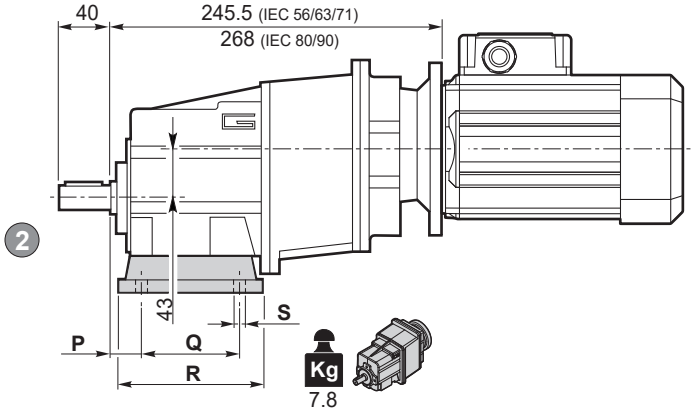


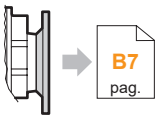

Albero entrata
*Input shaft*
1




## CMG 013 H..

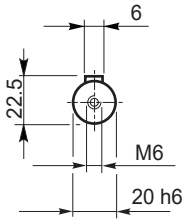



Flangia entrata
*Input flange*

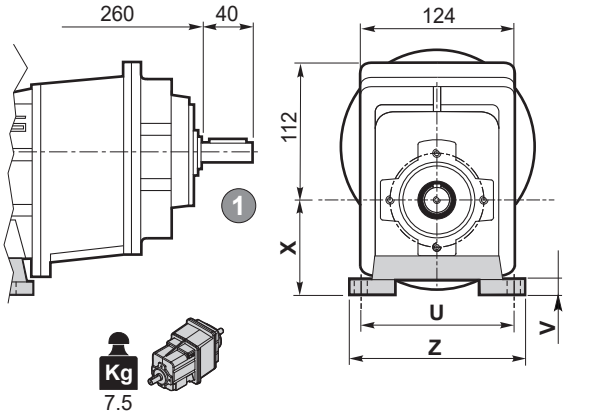


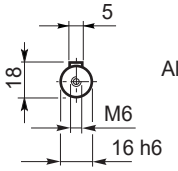
B7 pag.

Albero uscita
*Output shaft*
2

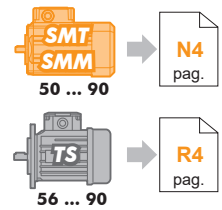



## CMGIS 013 H..




Albero entrata
*Input shaft*
1



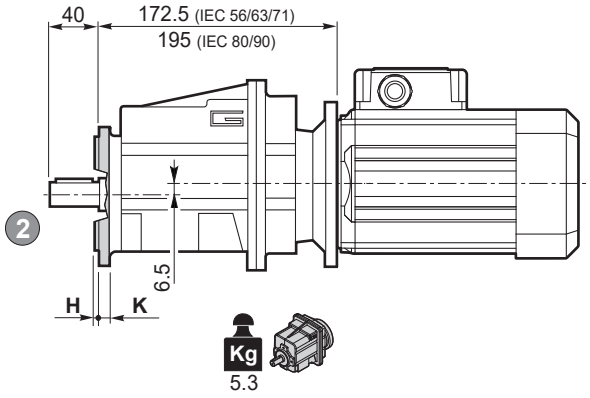

| Versione **H** / ***H** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** | |
| | | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **012 013** | **20** | **85** | **108** | **9** | **115** | **12** | **65** | **139** | **H65** | **0.7** |
| | 18 | 80 | 118 | 9 | 110 | 12 | 75 | 140 | **H75** | 1.0 |
| | 25 | 85 | 120 | 9 | 120 | 12 | 80 | 140 | **H80** | 1.1 |
| | 18 | 50 - 87 | 118 | 9 | 110 | 12 | 85 | 130 | **H85** | 1.2 |
| | 25 | 130 | 154 | 9 | 110 | 12 | 90 | 135 | **H90** | 1.5 |
| | 18 | 60 - 107.5 | 135 | 11 | 130 | 12 | 100 | 155 | **H100** | 1.7 |

Preferenziale / *Preferred*

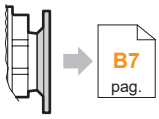
**Dimensioni** ***Dimensions***

# CMG 012 F.. - CMG 013 F..

## CMG 012 F..

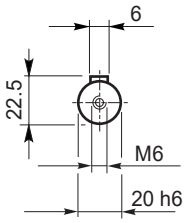



Flangia entrata
*Input flange*

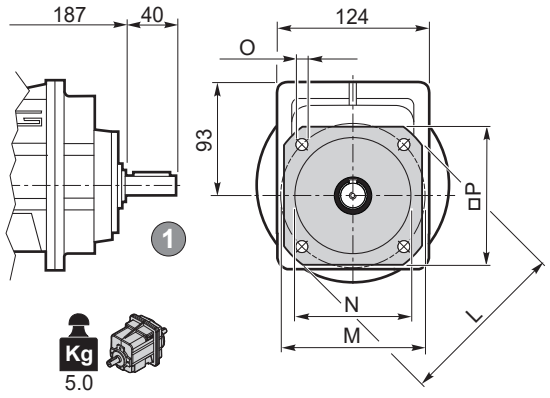


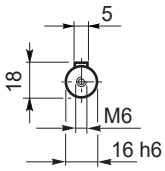

Albero uscita
*Output shaft*

2



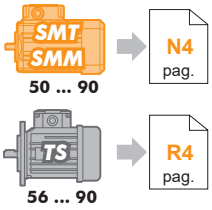

## CMGIS 012 F..



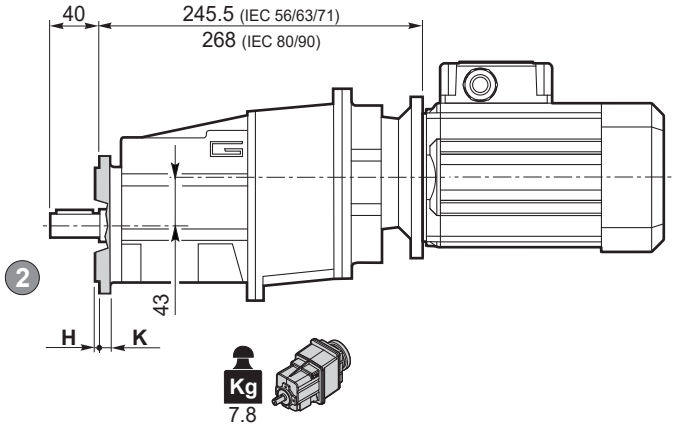




Albero entrata
*Input shaft*

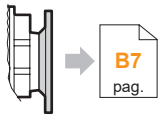
1




## CMG 013 F..

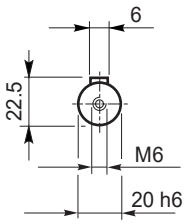



Flangia entrata
*Input flange*

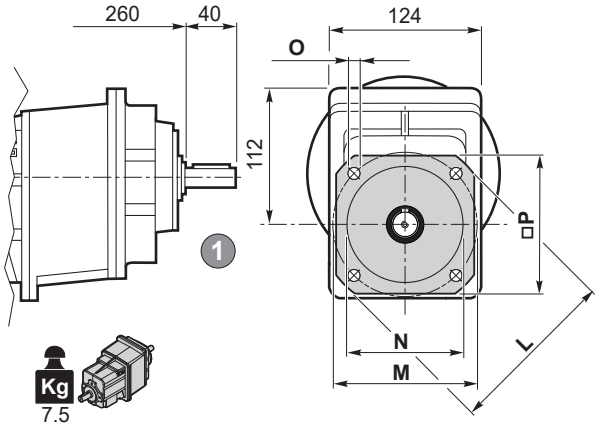


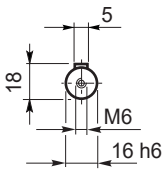

Albero uscita
*Output shaft*

2



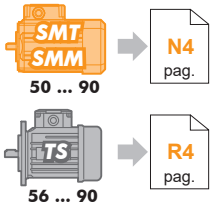

## CMGIS 013 F..



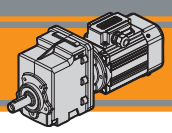




Albero entrata
*Input shaft*

1



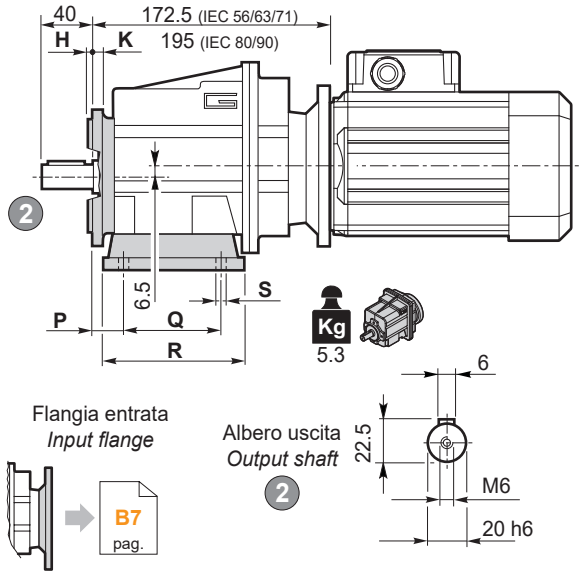

| Versione **F** / ***F** Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** | |
| | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **012 013** | 3 | 9 | 120 | 100 | 80 | 9 | 106 | **F120** | 0.5 |
| | 3.5 | 9 | 140 | 115 | 95 | 9 | 115 | **F140** | 0.8 |
| | 3.5 | 9 | 160 | 130 | 110 | 9 | 126 | **F160** | 1.1 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |



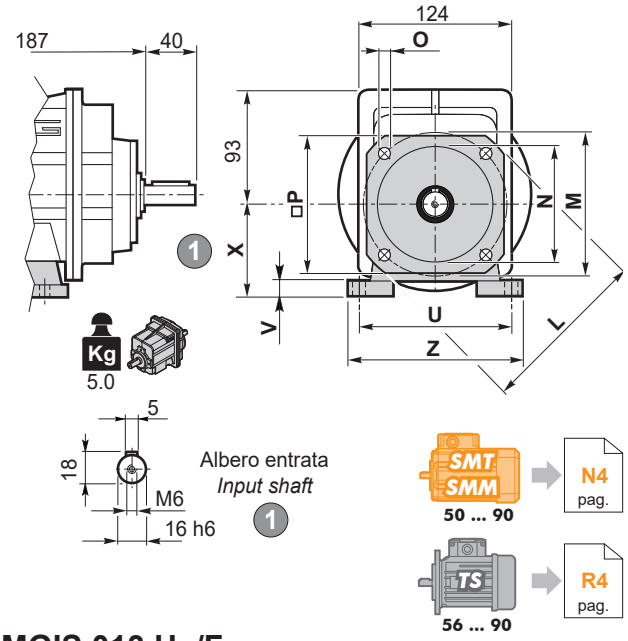


# CMG 012 H../F.. - CMG 013 H../F..

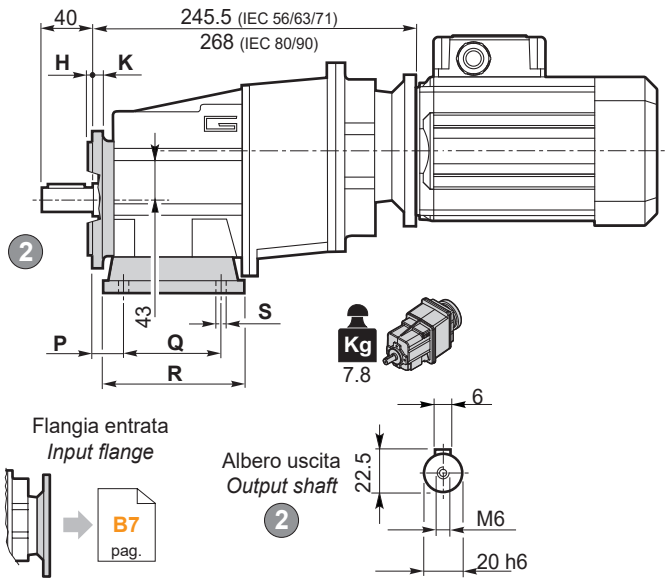
## CMG 012 H../F..



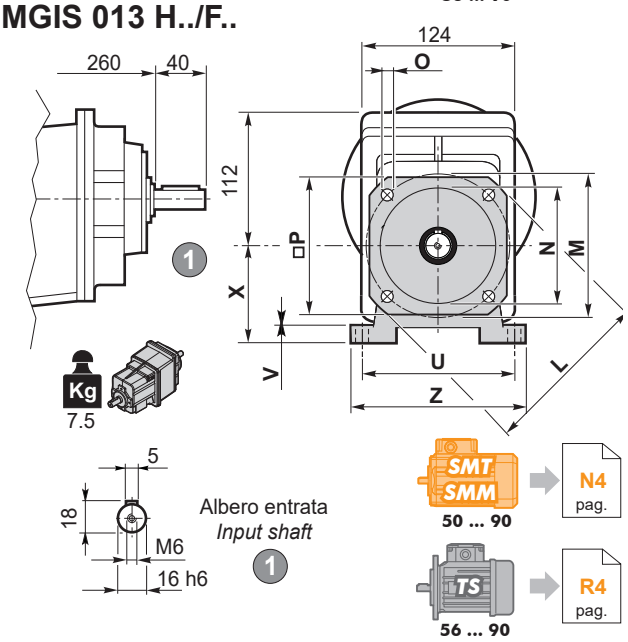

## CMGIS 012 H../F..




## CMG 013 H../F..




## CMGIS 013 H../F..




| Versione **H** / ***H*** Version | | | | | | | | | | | Combinazioni possibili H/F *Possible combinations H/F* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** Tipo *Type* | Peso / *Weight* [kg] | **F120** | **F140** | **F160** | **F200** |
| **012 013** | **20** | **85** | **108** | **9** | **115** | **12** | **65** | **139** | **H65** | **0.7** | • | • | | |
| | 18 | 80 | 118 | 9 | 110 | 12 | 75 | 140 | **H75** | 1.0 | • | • | • | |
| | 25 | 85 | 120 | 9 | 120 | 12 | 80 | 140 | **H80** | 1.1 | • | • | • | |
| | 18 | 50 - 87 | 118 | 9 | 110 | 12 | 85 | 130 | **H85** | 1.2 | • | • | • | |
| | 25 | 130 | 154 | 9 | 110 | 12 | 90 | 135 | **H90** | 1.5 | • | • | • | • |
| | 18 | 60 - 107.5 | 135 | 11 | 130 | 12 | 100 | 155 | **H100** | 1.7 | • | • | • | • |

Preferenziale / *Preferred*

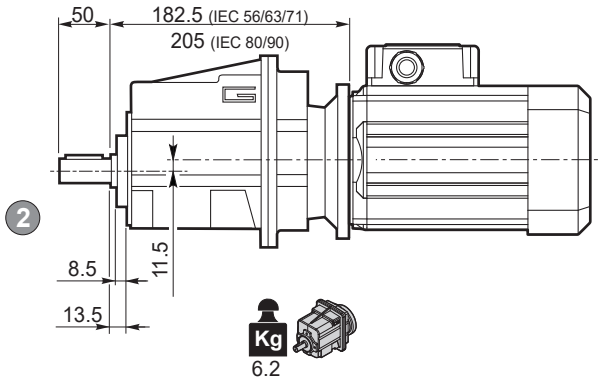
• Combinazioni possibili H/F / *Possible combinations H/F*

| Versione **F** / ***F*** *Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** Tipo / *Type* | Peso / *Weight* [kg] |
| **012 013** | 3 | 9 | 120 | 100 | 80 | 9 | 106 | **F120** | 0.5 |
| | 3.5 | 9 | 140 | 115 | 95 | 9 | 115 | **F140** | 0.8 |
| | 3.5 | 9 | 160 | 130 | 110 | 9 | 126 | **F160** | 1.1 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |

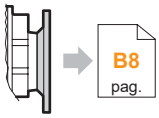
Dimensioni | *Dimensions*

# CMG 022 U - CMG 023 U

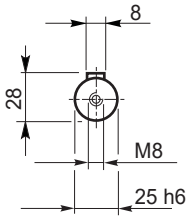
## CMG 022 U



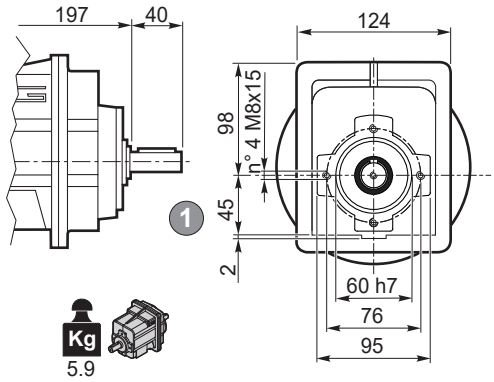

Flangia entrata
*Input flange*

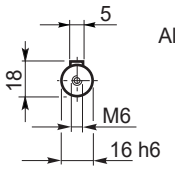



Albero uscita
*Output shaft*
2

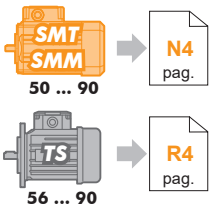



## CMGIS 022 U

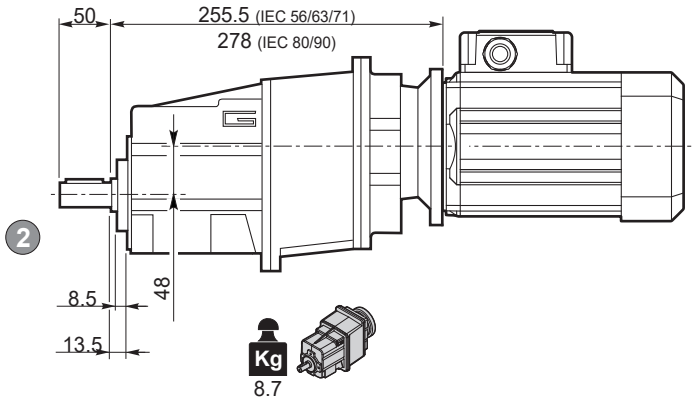


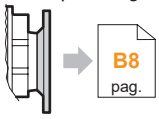

Albero entrata
*Input shaft*
1



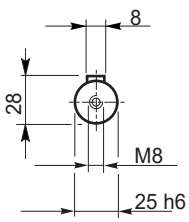

## CMG 023 U



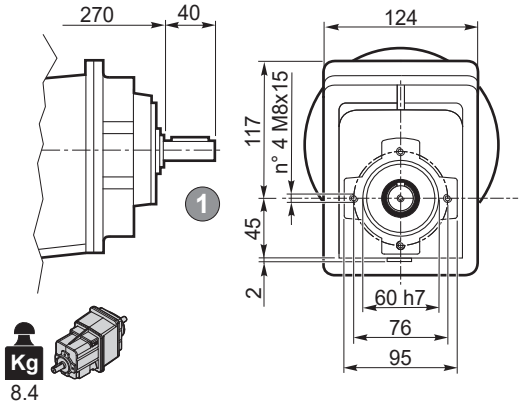

Flangia entrata
*Input flange*

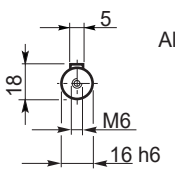



Albero uscita
*Output shaft*
2

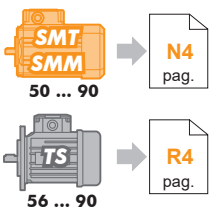



## CMGIS 023 U



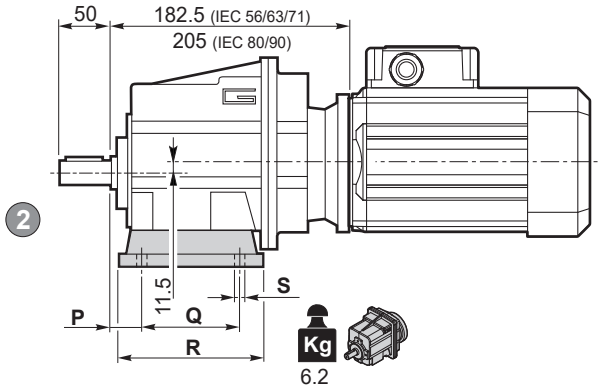

Albero entrata
*Input shaft*
1



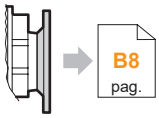
**Dimensioni** *Dimensions*

# CMG 022 H.. - CMG 023 H..

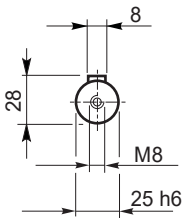
## CMG 022 H..



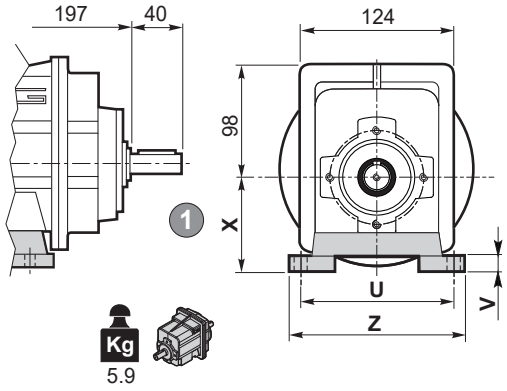

Flangia entrata
*Input flange*

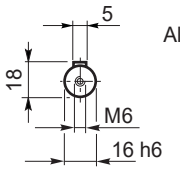



Albero uscita
*Output shaft*
2

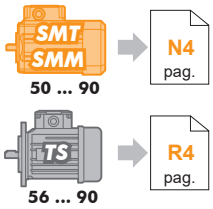



## CMGIS 022 H..

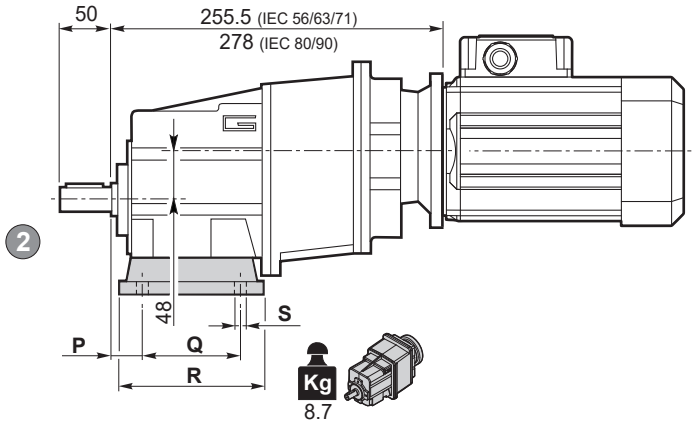


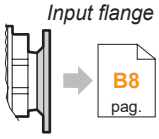

Albero entrata
*Input shaft*
1



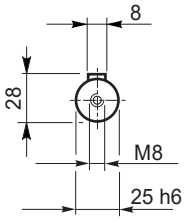

## CMG 023 H..



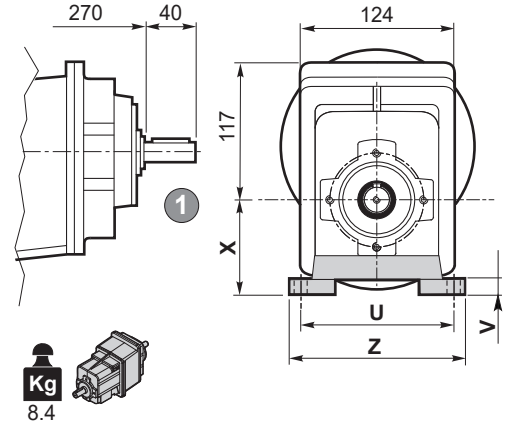

Flangia entrata
*Input flange*

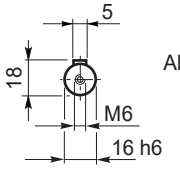



Albero uscita
*Output shaft*
2

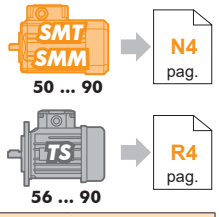



## CMGIS 023 H..




Albero entrata
*Input shaft*
1



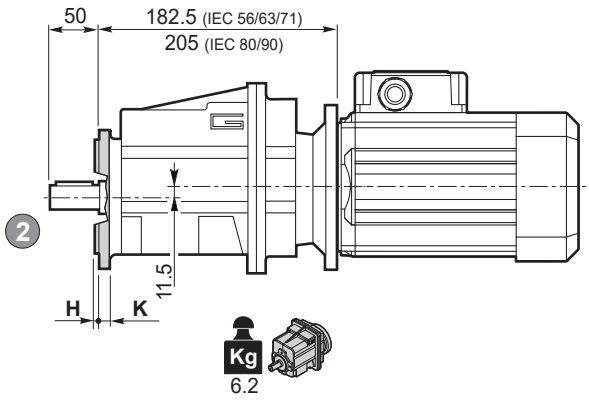

| Versione **H** / ***H** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** | |
| | | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **022 023** | **20** | **85** | **108** | **9** | **115** | **12** | **65** | **139** | **H65** | **0.7** |
| | 18 | 80 | 118 | 9 | 110 | 12 | 75 | 140 | **H75** | 1.0 |
| | 25 | 85 | 120 | 9 | 120 | 12 | 80 | 140 | **H80** | 1.1 |
| | 18 | 50 - 87 | 118 | 9 | 110 | 12 | 85 | 130 | **H85** | 1.2 |
| | 25 | 130 | 154 | 9 | 110 | 12 | 90 | 135 | **H90** | 1.5 |
| | 18 | 60 - 107.5 | 135 | 11 | 130 | 12 | 100 | 155 | **H100** | 1.7 |

Preferenziale / *Preferred*

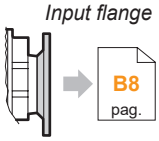
**Dimensioni** ***Dimensions***

# CMG 022 F.. - CMG 023 F..

## CMG 022 F..

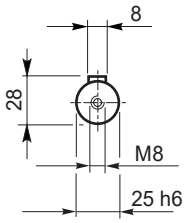



Flangia entrata
*Input flange*

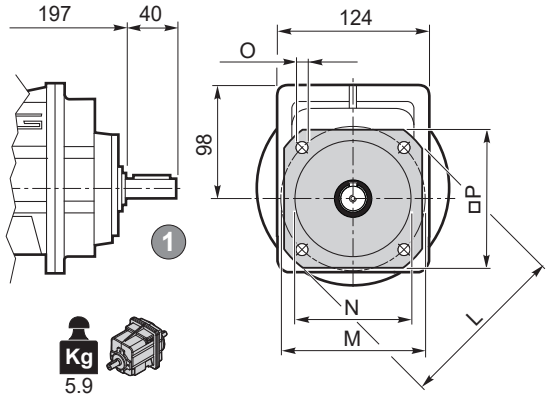


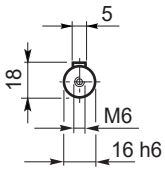

Albero uscita
*Output shaft*

2



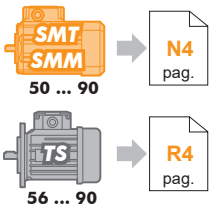

## CMGIS 022 F..



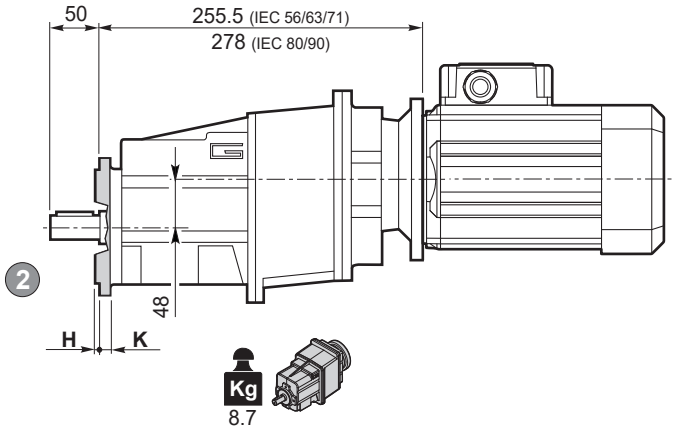




Albero entrata
*Input shaft*

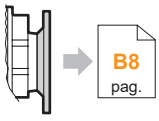
1




## CMG 023 F..

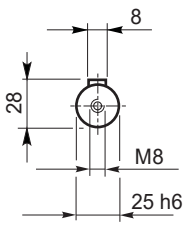



Flangia entrata
*Input flange*

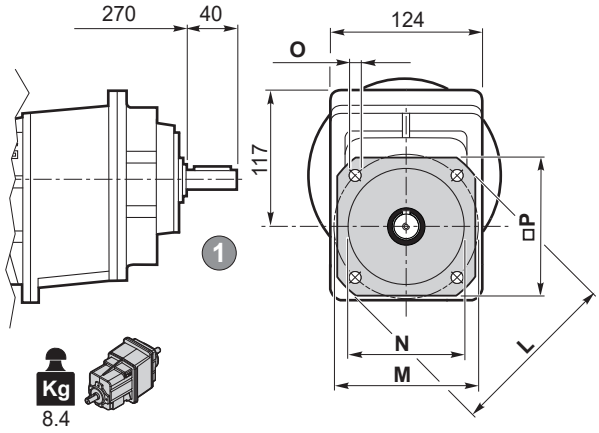


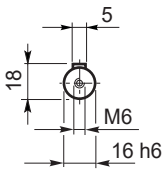

Albero uscita
*Output shaft*

2



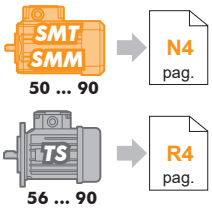

## CMGIS 023 F..



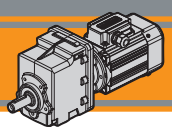




Albero entrata
*Input shaft*

1



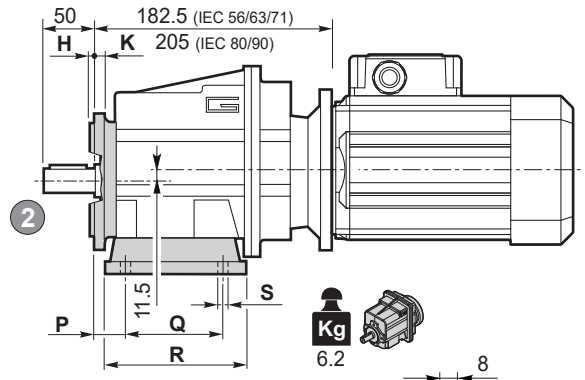

| Versione **F** / ***F** Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** | |
| | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **022 023** | 3 | 9 | 120 | 100 | 80 | 9 | 106 | **F120** | 0.5 |
| | 3.5 | 9 | 140 | 115 | 95 | 9 | 115 | **F140** | 0.8 |
| | 3.5 | 9 | 160 | 130 | 110 | 9 | 126 | **F160** | 1.1 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |



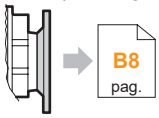


# CMG 022 H../F.. - CMG 023 H../F..

## CMG 022 H../F..

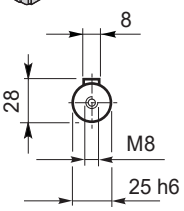



Flangia entrata
*Input flange*

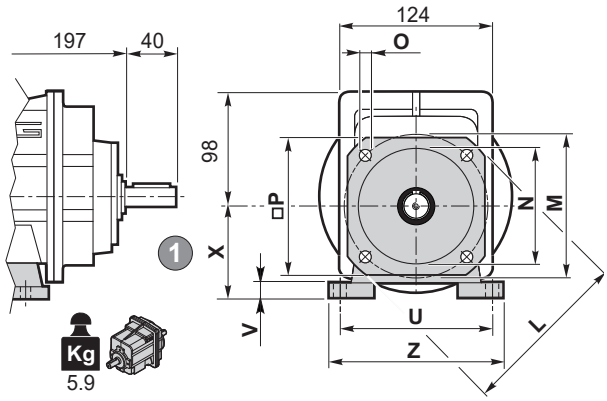


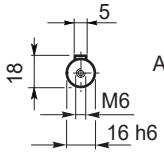
B8 pag.

Albero uscita
*Output shaft*
2




## CMGIS 022 H../F..



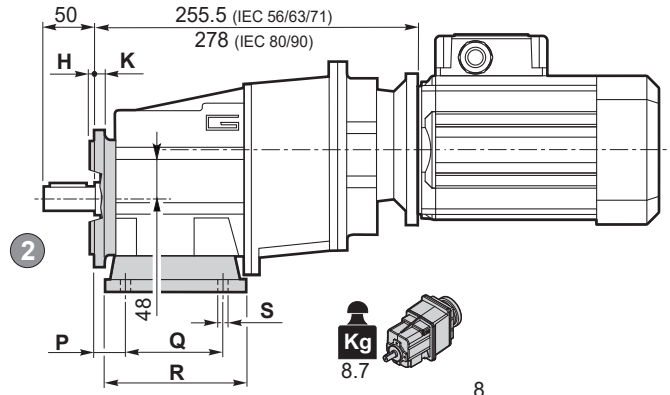




Albero entrata
*Input shaft*
1

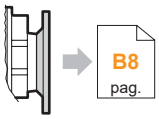
SMT SMM 50 ... 90 → N4 pag.

TS 56 ... 90 → R4 pag.

## CMG 023 H../F..

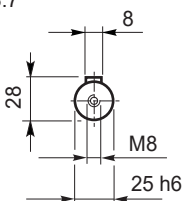



Flangia entrata
*Input flange*

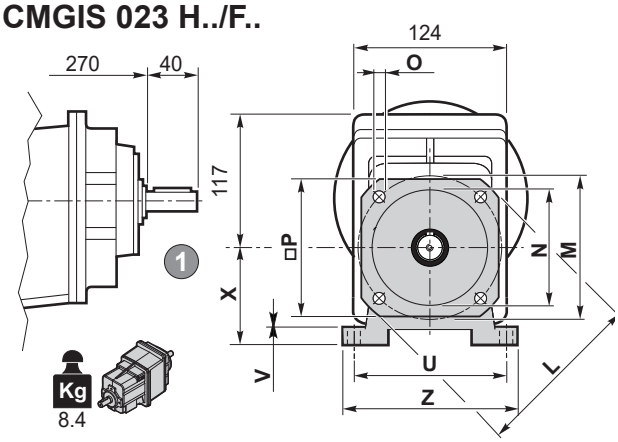


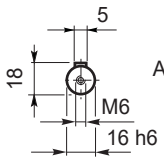
B8 pag.

Albero uscita
*Output shaft*
2




## CMGIS 023 H../F..




Albero entrata
*Input shaft*
1

SMT SMM 50 ... 90 → N4 pag.

TS 56 ... 90 → R4 pag.

| Versione **H** / ***H*** Version | | | | | | | | | | | Combinazioni possibili H/F *Possible combinations H/F* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** Tipo *Type* | Peso / *Weight* [kg] | **F120** | **F140** | **F160** | **F200** |
| **022 023** | **20** | **85** | **108** | **9** | **115** | **12** | **65** | **139** | **H65** | **0.7** | • | • | | |
| | 18 | 80 | 118 | 9 | 110 | 12 | 75 | 140 | **H75** | 1.0 | • | • | • | |
| | 25 | 85 | 120 | 9 | 120 | 12 | 80 | 140 | **H80** | 1.1 | • | • | • | |
| | 18 | 50 - 87 | 118 | 9 | 110 | 12 | 85 | 130 | **H85** | 1.2 | • | • | • | |
| | 25 | 130 | 154 | 9 | 110 | 12 | 90 | 135 | **H90** | 1.5 | • | • | • | • |
| | 18 | 60 - 107.5 | 135 | 11 | 130 | 12 | 100 | 155 | **H100** | 1.7 | • | • | • | • |

Preferenziale / *Preferred*

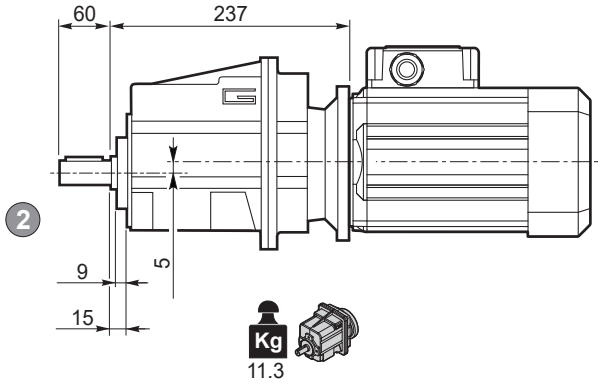
• Combinazioni possibili H/F / *Possible combinations H/F*

| Versione **F** / ***F*** *Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** Tipo / *Type* | Peso / *Weight* [kg] |
| **022 023** | 3 | 9 | 120 | 100 | 80 | 9 | 106 | **F120** | 0.5 |
| | 3.5 | 9 | 140 | 115 | 95 | 9 | 115 | **F140** | 0.8 |
| | 3.5 | 9 | 160 | 130 | 110 | 9 | 126 | **F160** | 1.1 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |

Dimensioni | *Dimensions*

# CMG 032 U - CMG 033 U

## CMG 032 U

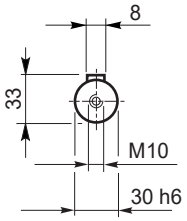



Flangia entrata
*Input flange*

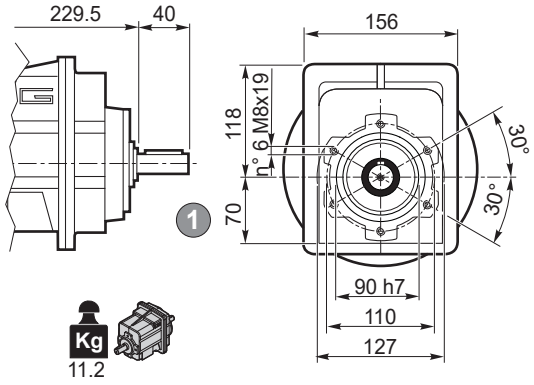
B9 pag.

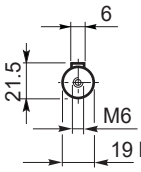
Albero uscita
*Output shaft*

2




## CMGIS 032 U



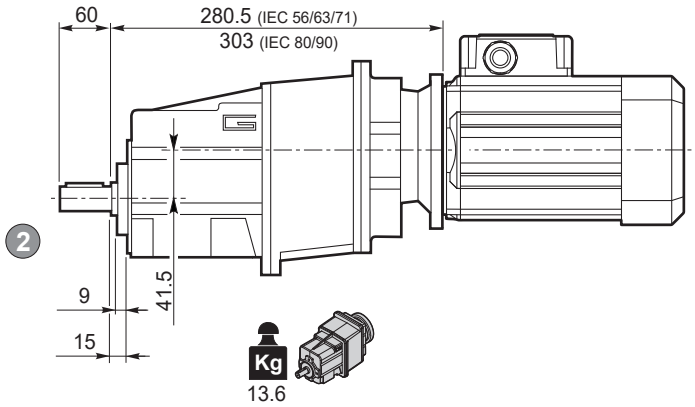

Albero entrata
*Input shaft*

1

SMT SMM 80 ... 90 → N4 pag.

TS 71 ... 100 → R4 pag.

## CMG 033 U

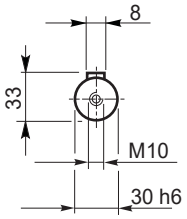



Flangia entrata
*Input flange*

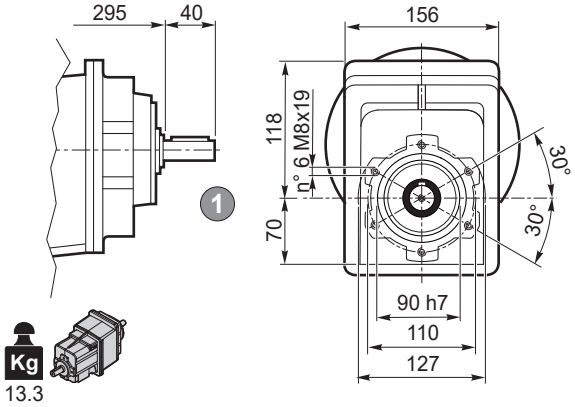
B9 pag.

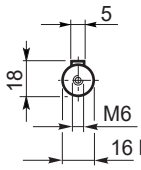
Albero uscita
*Output shaft*

2




## CMGIS 033 U




Albero entrata
*Input shaft*

1

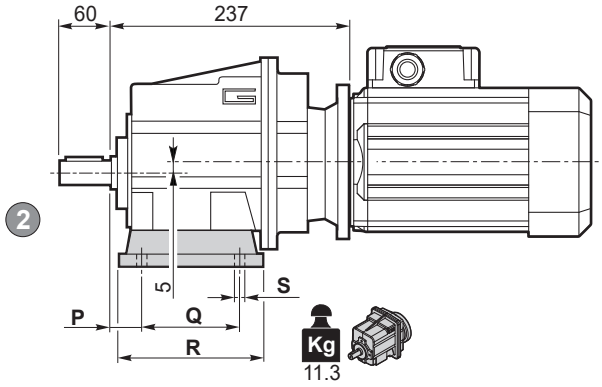
SMT SMM 50 ... 90 → N4 pag.

TS 56 ... 90 → R4 pag.

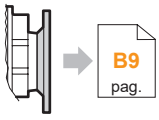
**Dimensioni** *Dimensions*

# CMG 032 H.. - CMG 033 H..

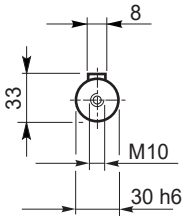
## CMG 032 H..



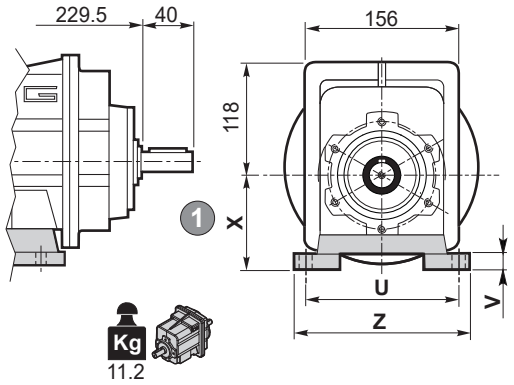

Flangia entrata
*Input flange*

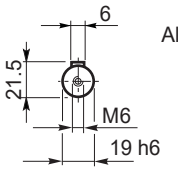



Albero uscita
*Output shaft*
2

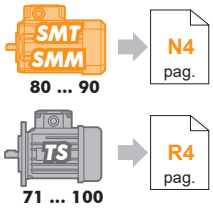



## CMGIS 032 H..

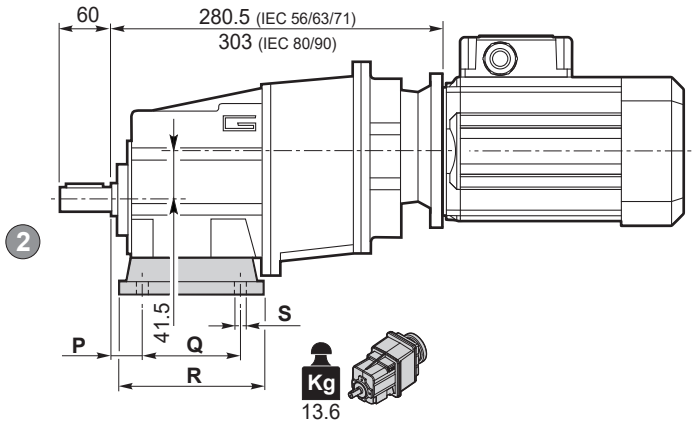


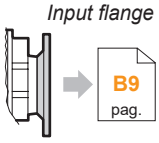

Albero entrata
*Input shaft*
1



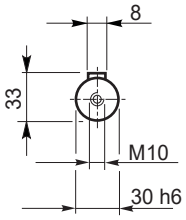

## CMG 033 H..



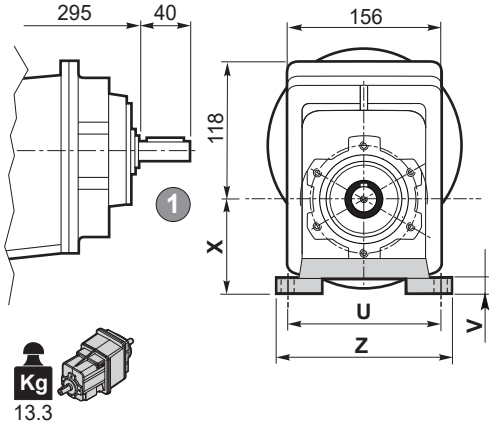

Flangia entrata
*Input flange*

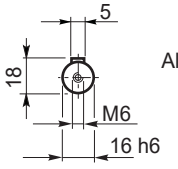



Albero uscita
*Output shaft*
2

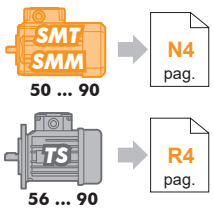



## CMGIS 033 H..




Albero entrata
*Input shaft*
1



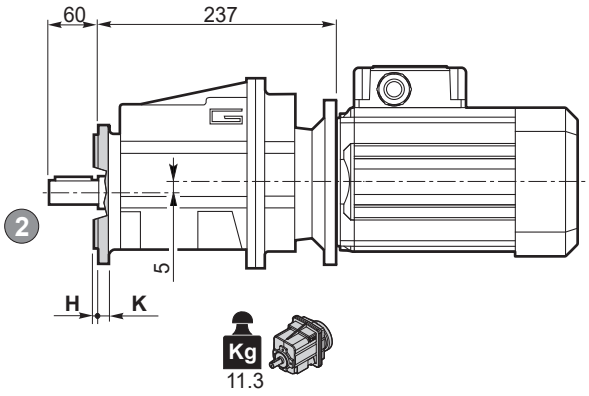

| Versione **H** / ***H** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** | |
| | | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **032 033** | **30** | **105** | **136** | **14** | **160** | **14** | **95** | **194** | **H95** | **1.5** |
| | 30 | 100 | 150 | 11 | 150 | 14 | 110 | 185 | **H110** | 1.9 |
| | 18 | 70 | | | 160 | | | | | |
| | 30 | 165 | 195 | 14 | 135 | 14 | 115 | 170 | **H115** | 2.2 |
| | 35 | 110 | 160 | 14 | 170 | 14 | 120 | 210 | **H120** | 2.6 |
| | 19.5 | 149.5 | 184 | 14 | 180 | 18 | 130 | 214 | **H130** | 2.9 |

Preferenziale / *Preferred*

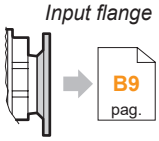
**Dimensioni** *Dimensions*

# CMG 032 F.. - CMG 033 F..

## CMG 032 F..

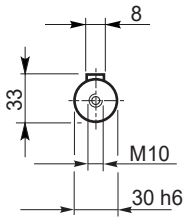



Flangia entrata *Input flange*

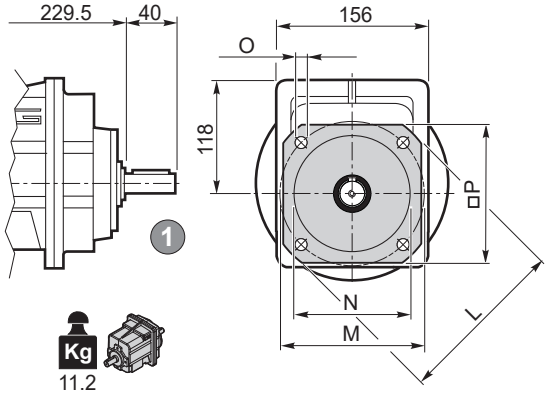


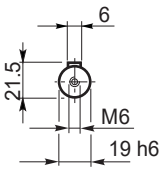

Albero uscita *Output shaft*

2



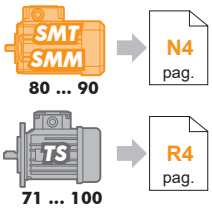

## CMGIS 032 F..



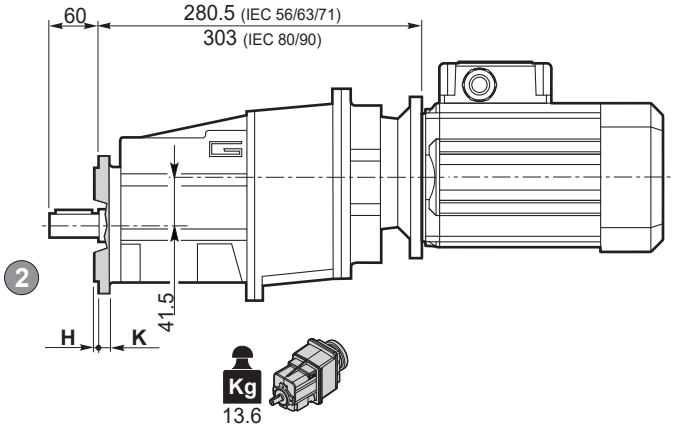




Albero entrata *Input shaft*

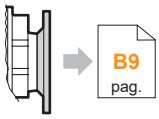
1




## CMG 033 F..

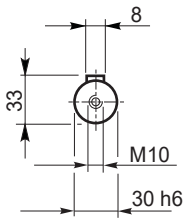



Flangia entrata *Input flange*

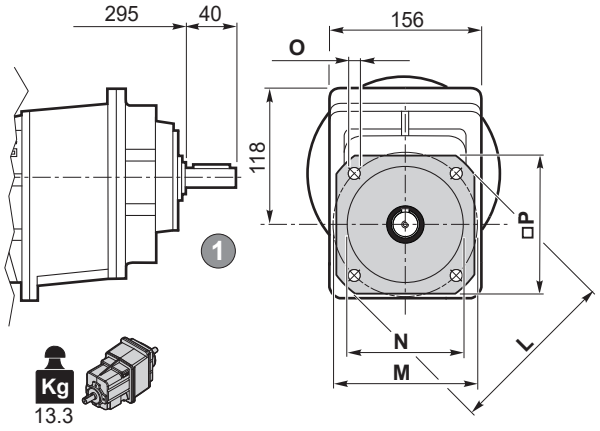


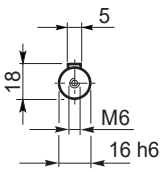

Albero uscita *Output shaft*

2



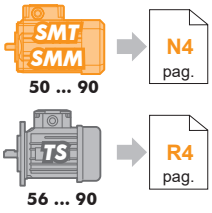

## CMGIS 033 F..



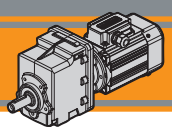




Albero entrata *Input shaft*

1



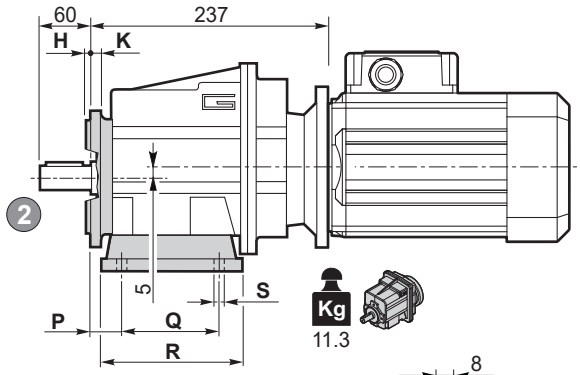

| Versione **F** / ***F** Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** | |
| | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **032 033** | 3.5 | 11 | 160 | 130 | 110 | 9 | 140 | **F160** | 1.0 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |
| | 4 | 12 | 250 | 215 | 180 | 14 | 215 | **F250** | 2.9 |



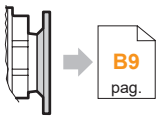


# CMG 032 H../F.. - CMG 033 H../F..

## CMG 032 H../F..

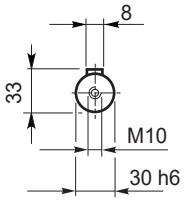



Flangia entrata
*Input flange*

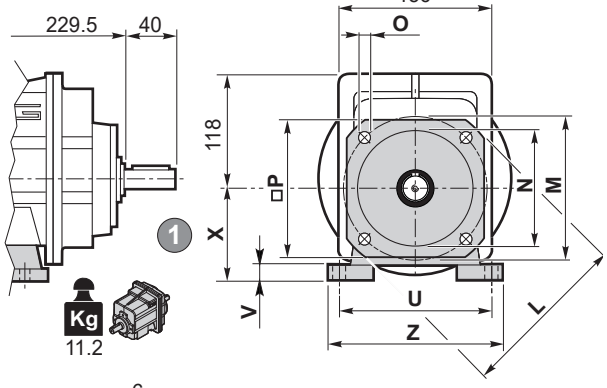


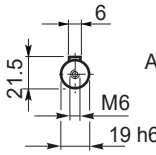
B9 pag.

Albero uscita
*Output shaft*
2

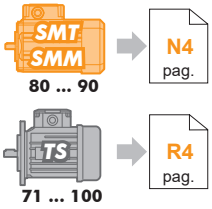



## CMGIS 032 H../F..

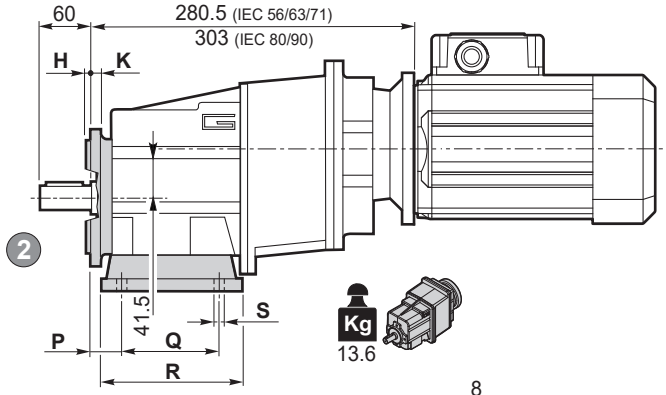


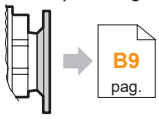

Albero entrata
*Input shaft*
1




## CMG 033 H../F..

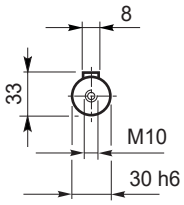



Flangia entrata
*Input flange*

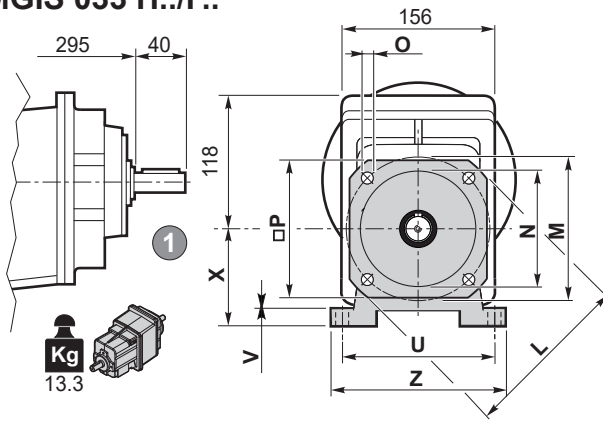


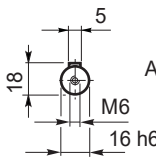
B9 pag.

Albero uscita
*Output shaft*
2

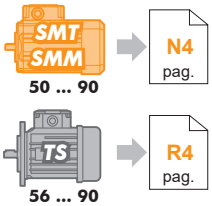



## CMGIS 033 H../F..




Albero entrata
*Input shaft*
1




| Versione **H** / ***H*** Version | | | | | | | | | | | Combinazioni possibili H/F *Possible combinations H/F* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** Tipo *Type* | Peso / *Weight* [kg] | **F160** | **F200** | **F250** |
| **032 033** | **30** | **105** | **136** | **14** | **160** | **14** | **95** | **194** | **H95** | **1.5** | • | • | |
| | 30 | 100 | 150 | 11 | 150 | 14 | 110 | 185 | **H110** | 1.9 | • | • | |
| | 18 | 70 | | | 160 | | | | | | | | |
| | 30 | 165 | 195 | 14 | 135 | 14 | 115 | 170 | **H115** | 2.2 | • | • | • |
| | 35 | 110 | 160 | 14 | 170 | 14 | 120 | 210 | **H120** | 2.6 | • | • | • |
| | 19.5 | 149.5 | 184 | 14 | 180 | 18 | 130 | 214 | **H130** | 2.9 | • | • | • |

Preferenziale / *Preferred*

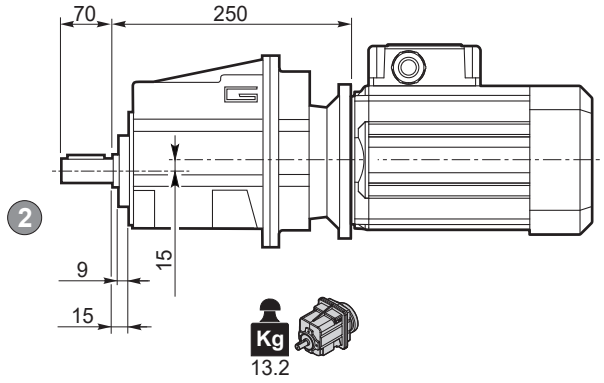
• Combinazioni possibili H/F / *Possible combinations H/F*

| Versione **F** / ***F*** *Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** Tipo / *Type* | Peso / *Weight* [kg] |
| **032 033** | 3.5 | 11 | 160 | 130 | 110 | 9 | 140 | **F160** | 1.0 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |
| | 4 | 12 | 250 | 215 | 180 | 14 | 215 | **F250** | 2.9 |

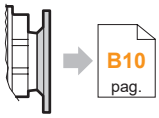
Dimensioni | *Dimensions*

# CMG 042 U - CMG 043 U

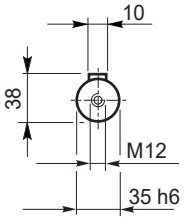
## CMG 042 U



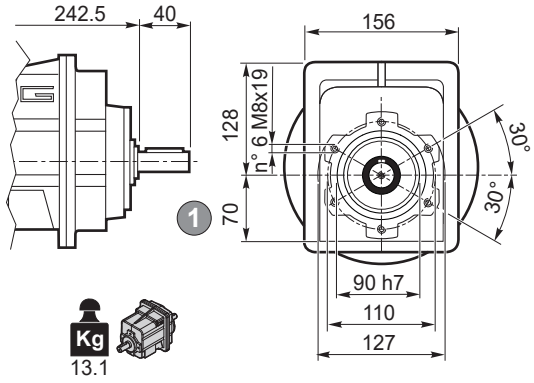

Flangia entrata
*Input flange*

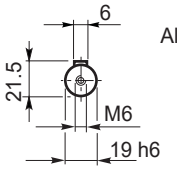



Albero uscita
*Output shaft*
2

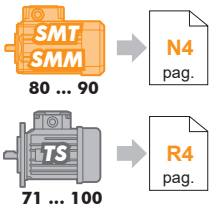



## CMGIS 042 U

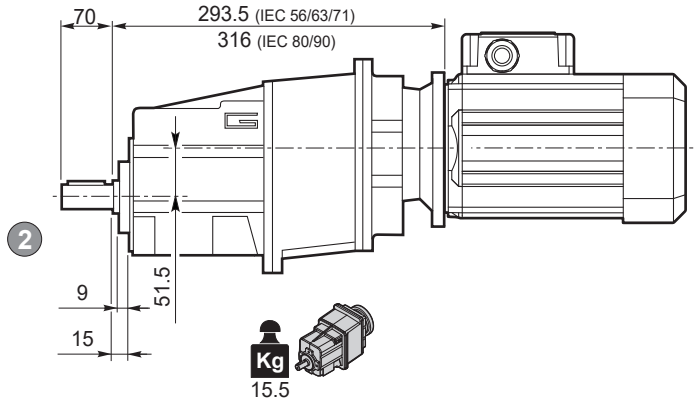


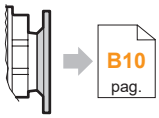

Albero entrata
*Input shaft*
1



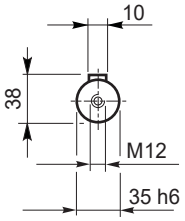

## CMG 043 U



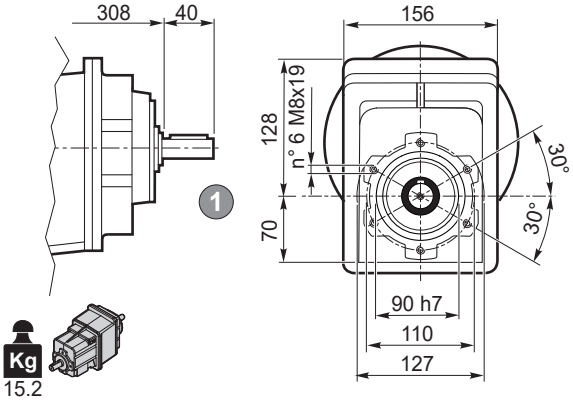

Flangia entrata
*Input flange*

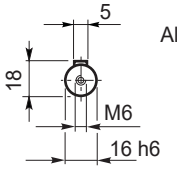



Albero uscita
*Output shaft*
2

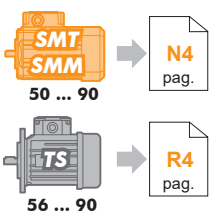


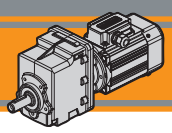

## CMGIS 043 U




Albero entrata
*Input shaft*
1

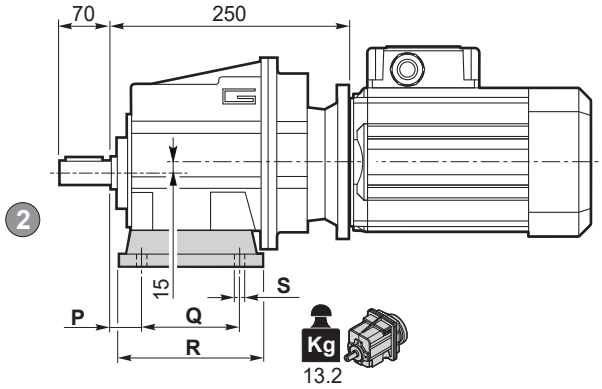




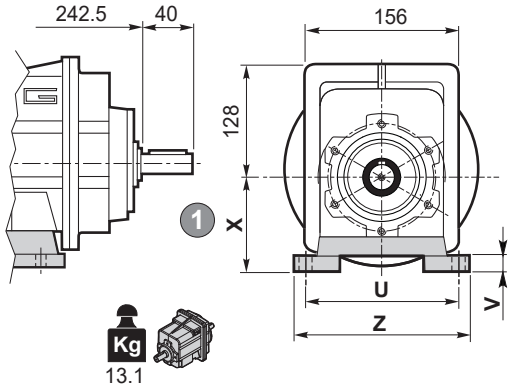


# CMG 042 H.. - CMG 043 H..

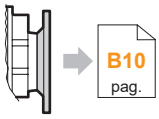
## CMG 042 H..



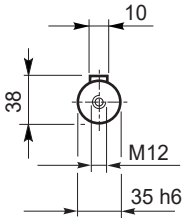

## CMGIS 042 H..

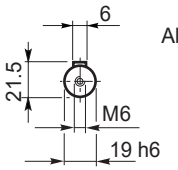



Flangia entrata
*Input flange*

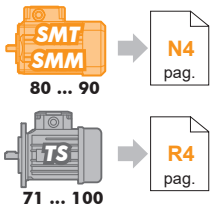



Albero uscita
*Output shaft*
2

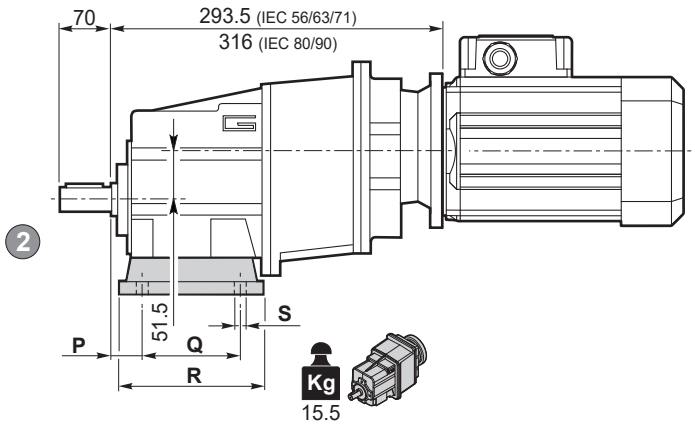


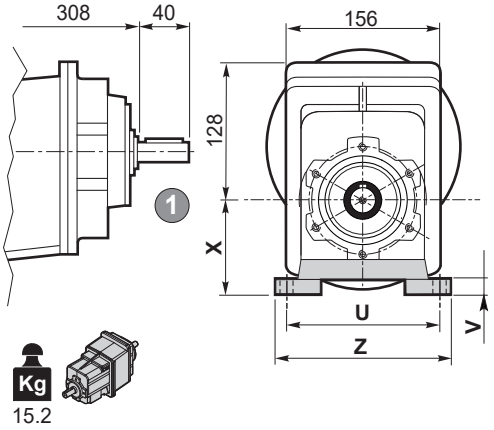

Albero entrata
*Input shaft*
1



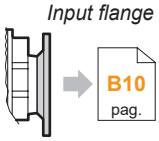

## CMG 043 H..



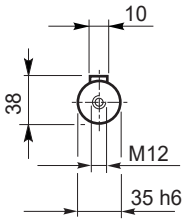

## CMGIS 043 H..

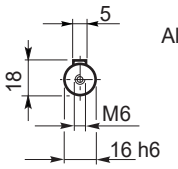



Flangia entrata
*Input flange*

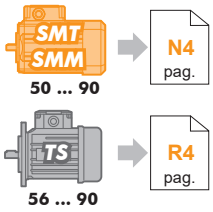



Albero uscita
*Output shaft*
2




Albero entrata
*Input shaft*
1



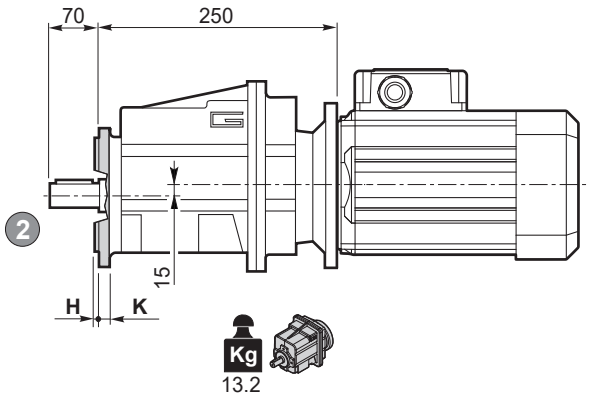

| Versione **H** / ***H** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** | |
| | | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **042 043** | **30** | **105** | **136** | **14** | **160** | **14** | **95** | **194** | **H95** | **1.5** |
| | 30 | 100 | 150 | 11 | 150 | 14 | 110 | 185 | **H110** | 1.9 |
| | 18 | 70 | | | 160 | | | | | |
| | 30 | 165 | 195 | 14 | 135 | 14 | 115 | 170 | **H115** | 2.2 |
| | 35 | 110 | 160 | 14 | 170 | 14 | 120 | 210 | **H120** | 2.6 |
| | 19.5 | 149.5 | 185.4 | 14 | 180 | 18 | 130 | 216 | **H130** | 2.9 |

Preferenziale / *Preferred*

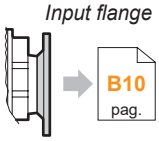
**Dimensioni** ***Dimensions***

# CMG 042 F.. - CMG 043 F..

## CMG 042 F..

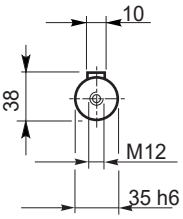



Flangia entrata
*Input flange*

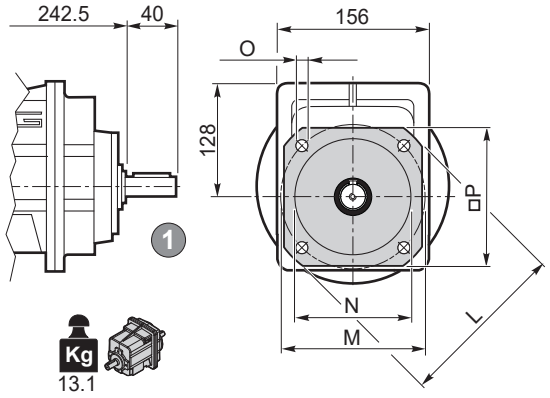


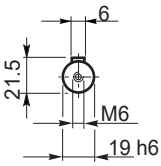

Albero uscita
*Output shaft*

2



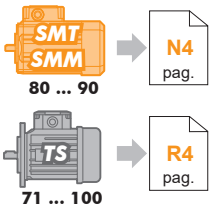

## CMGIS 042 F..



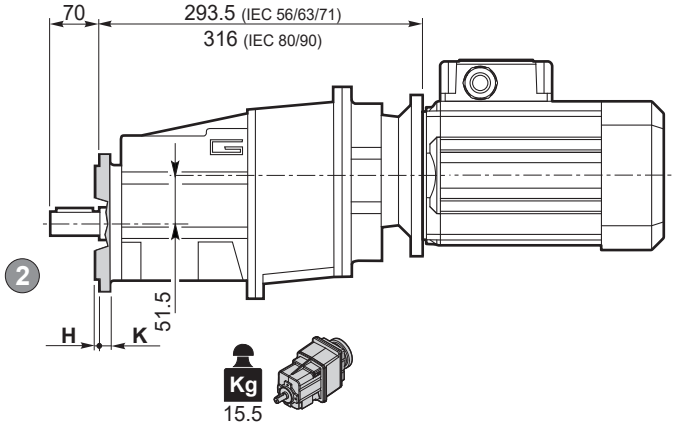




Albero entrata
*Input shaft*

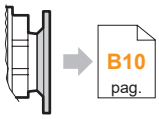
1




## CMG 043 F..

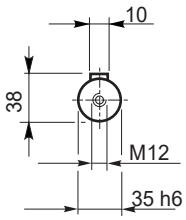



Flangia entrata
*Input flange*

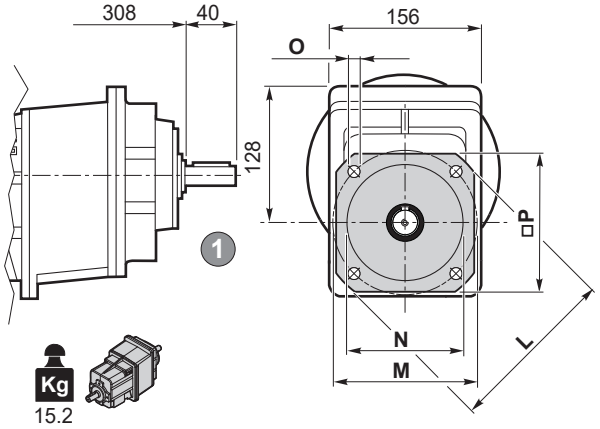


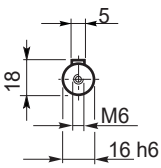

Albero uscita
*Output shaft*

2



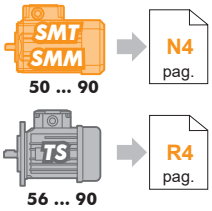

## CMGIS 043 F..



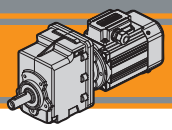




Albero entrata
*Input shaft*

1



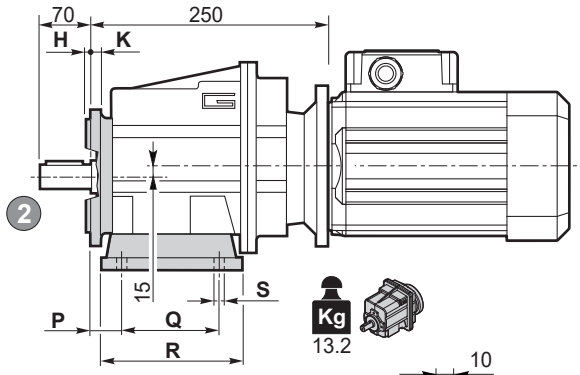

| Versione **F** / ***F** Version* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** | |
| | | | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **042 043** | 3.5 | 11 | 160 | 130 | 110 | 9 | 140 | **F160** | 1.0 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |
| | 4 | 12 | 250 | 215 | 180 | 14 | 215 | **F250** | 2.9 |



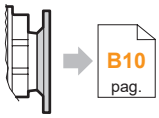


# CMG 042 H../F.. - CMG 043 H../F..

## CMG 042 H../F..

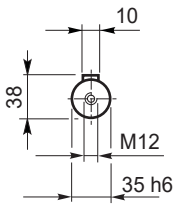



Flangia entrata
*Input flange*

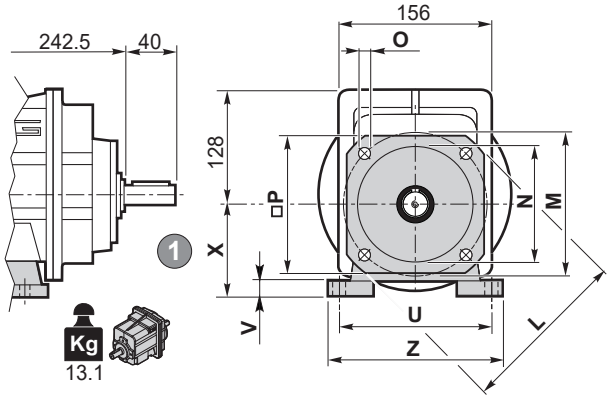


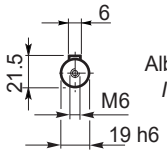
B10 pag.

Albero uscita
*Output shaft*
2




## CMGIS 042 H../F..



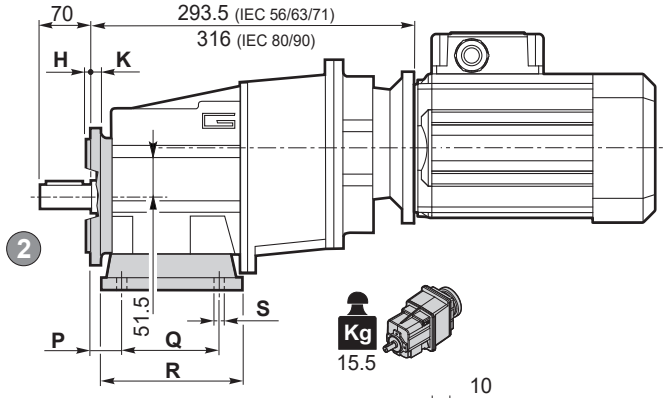




Albero entrata
*Input shaft*
1

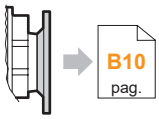
SMT SMM 80 ... 90 → N4 pag.

TS 71 ... 100 → R4 pag.

## CMG 043 H../F..

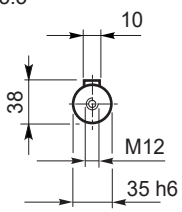



Flangia entrata
*Input flange*

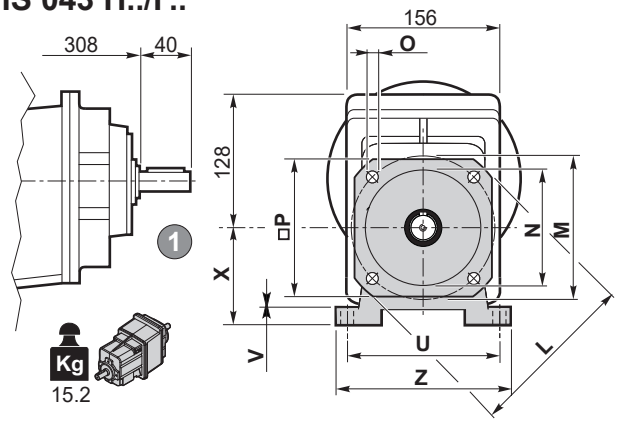


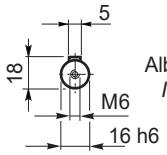
B10 pag.

Albero uscita
*Output shaft*
2




## CMGIS 043 H../F..




Albero entrata
*Input shaft*
1

SMT SMM 50 ... 90 → N4 pag.

TS 56 ... 90 → R4 pag.

| Versione **H** / ***H*** Version | | | | | | | | | | | Combinazioni possibili H/F *Possible combinations H/F* | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **P** | **Q** | **R** | **S** | **U** | **V** | **X** | **Z** | **Piede / *Foot*** Tipo *Type* | Peso / *Weight* [kg] | **F160** | **F200** | **F250** |
| **042 043** | **30** | **105** | **136** | **14** | **160** | **14** | **95** | **194** | **H95** | **1.5** | • | • | |
| | 30 | 100 | 150 | 11 | 150 | 14 | 110 | 185 | **H110** | 1.9 | • | • | |
| | 18 | 70 | | | 160 | | | | | | | | |
| | 30 | 165 | 195 | 14 | 135 | 14 | 115 | 170 | **H115** | 2.2 | • | • | • |
| | 35 | 110 | 160 | 14 | 170 | 14 | 120 | 210 | **H120** | 2.6 | • | • | • |
| | 19.5 | 149.5 | 185.5 | 14 | 180 | 18 | 130 | 216 | **H130** | 2.9 | • | • | • |

Preferenziale / *Preferred*

• Combinazioni possibili H/F / *Possible combinations H/F*

| Versione **F** / ***F*** Version | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **CMG CMGIS** | **H** | **K** | **L** | **M** | **N** f7 | **O** | **P** | **Flangia / *Flange*** Tipo / *Type* | Peso / *Weight* [kg] |
| **042 043** | 3.5 | 11 | 160 | 130 | 110 | 9 | 140 | **F160** | 1.0 |
| | 3.5 | 11 | 200 | 165 | 130 | 11 | 165 | **F200** | 1.8 |
| | 4 | 12 | 250 | 215 | 180 | 14 | 215 | **F250** | 2.9 |

# Note/*Notes*

TRANSTECNO®
the modular gearmotor

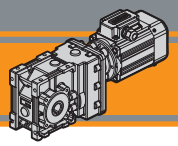
CMB

CMB Alù

CMB

# Motoriduttori ad assi ortogonali
# Helical bevel gearmotors







ENERGY SAVING


| Indice | *Index* | Pag. *Page* |
|---|---|---|
| Caratteristiche tecniche | *Technical features* | **C2** |
| Designazione | *Classification* | **C2** |
| Sensi di rotazione | *Direction of rotation* | **C3** |
| Simbologia | *Symbols* | **C3** |
| Lubrificazione | *Lubrication* | **C4** |
| Carichi radiali | *Radial loads* | **C4** |
| Motori applicabili | *Motors adapters* | **C4** |
| Dati tecnici | *Technical data* | **C5** |
| Dimensioni | *Dimensions* | **C13** |
| Accessori | *Accessories* | **C17** |


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## Caratteristiche tecniche

I motoriduttori ad assi ortogonali della serie CMB sono caratterizzati da un elevato grado di modularità: sono stati realizzati con una carcassa completamente intercambiabile con quella dei riduttori a vite senza fine della serie CM.
Sono pertanto configurabili secondo le esigenze dell'applicazione con flangia di uscita, albero di uscita, braccio di reazione.

Caratteristiche comuni a tutta la serie:
- Carcassa in alluminio.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Lubrificazione permanente con olio sintetico.
- Disponibili con giunto elastico in ingresso

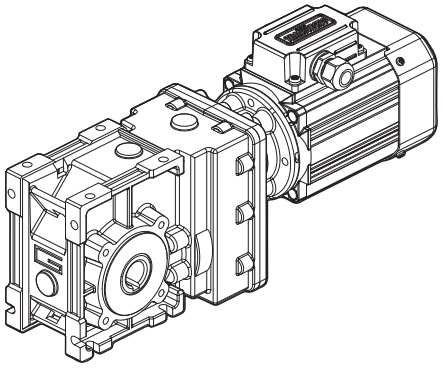
## *Technical features*

*The high degree of modularity of CMB helical bevel gearmotors allows it to be completely interchangeable with CM wormgear-boxes.*

*It is possible to set up the version required using output flanges, output shafts and optional torque arms.*

*Common features of all CMB range are:*
- *Die-cast aluminium housing.*
- *Ground-hardened helical gears.*
- *Permanent synthetic oil long-life lubrication.*
- *Input flexible coupling available*

ENERGY SAVING



## Designazione

## *Classification*

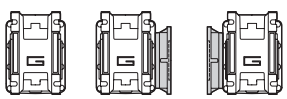
RIDUTTORE / *GEARBOX*

| CMB | 63 | 3 | U | 9.81 | D25 | 90 | B5 | SZDX | BRSX | 90 | FX |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Stadi *Stages* | Versione *Version* | Rapporto *Ratio* | Albero cavo uscita *Hollow output shaft* | IEC | Forma costruttiva *Version* | Albero di uscita *Output shaft* | Braccio di reazione *Torque arm* | Angolo *Angle* | Giunto elastico *Flexible coupling* |
| CMB | 40<br>50<br>63<br>90 | 2<br>3 | U<br>FD<br>FS<br>FBD<br>FBS<br>FLD<br>FLS | vedi tabelle *see tables* | vedi tabelle *see tables* | 56..<br>—<br>90.. | B5<br>B14 | SZDX<br>SZSX<br>DZ | BRDX<br>BRSX<br>(*) | 0°<br>90°<br>180°<br>270° | FX |

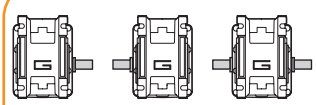
RIDUTTORE / *GEARBOX*

| CMBIS | 63 | 3 | U | 9.81 | D25 | SZDX | BRSX | 90 |
|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Stadi *Stages* | Versione *Version* | Rapporto *Ratio* | Albero cavo uscita *Hollow output shaft* | Albero di uscita *Output shaft* | Braccio di reazione *Torque arm* | Angolo *Angle* |
| CMBIS | 40<br>50<br>63<br>90 | 2<br>3 | U<br>FD<br>FS<br>FBD<br>FBS<br>FLD<br>FLS | vedi tabelle *see tables* | vedi tabelle *see tables* | SZDX<br>SZSX<br>DZ | BRDX<br>BRSX<br>(*) | 0°<br>90°<br>180°<br>270° |

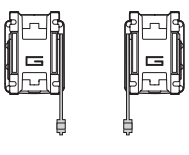
Versione Riduttore *Gearbox Version*



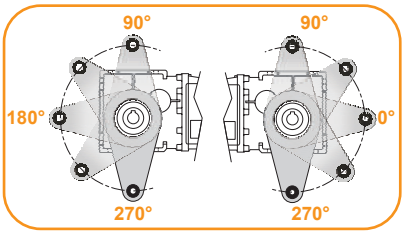

Albero di uscita *Output shaft*



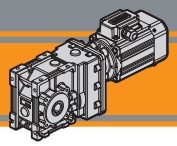

Braccio di reazione *Torque arm* (*)




Angolo *Angle*




(*) NOTA: il braccio di reazione viene fornito smontato.
*NOTE: the torque arm will be supplied not assembled.*



## Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMT | N1 pag. | 1-2-3-4-5 | 4 | 0.04 kW ... 2.2 kW | B14 | 230-400 V<br>460V | 50Hz<br>60Hz | TEFC<br>TENV | O1 P1 Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

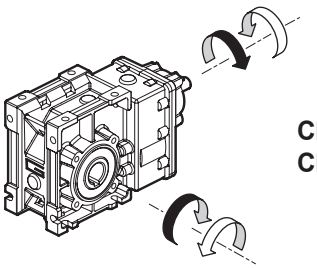
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMM | N1 pag. | 1-2-3-4 | 4 | 0.04 kW ... 0.75 kW | B14 | 230V | 50Hz | TEFC<br>TENV | Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE TRIFASE / *THREE PHASE MOTOR*

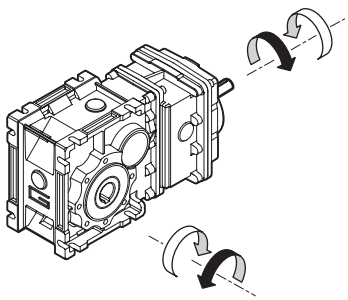
| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| TS | R1 pag. | 1-2-3-S L1-L2 | 4 | 0.09 kW ... 2.2 kW | B5 B14 | 3 ph | 230-400 V 275-480 V | 50Hz 60Hz | T1 (Std) T4 T2 T3 |

## Sensi di rotazione — *Direction of rotation*

**CMB...2**
**CMBIS..2**



**CMB...3**
**CMBIS..3**



## Simbologia — *Symbols*

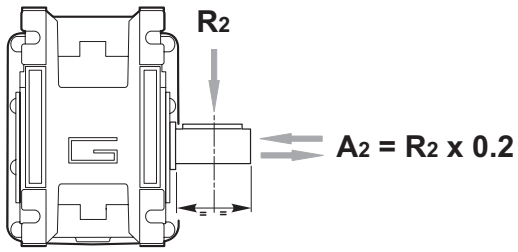
| | | |
|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* |
| i | | Rapporto di riduzione / *Ratio* |
| $P_1$ | [kW] | Potenza in entrata / *Input power* |
| $M_2$ | [Nm] | Coppia nominale in uscita in funzione di $P_1$ / *Output torque referred to $P_1$* |
| $Pn_1$ | [kW] | Potenza nominale in entrata / *Nominal input power* |
| $Mn_2$ | [Nm] | Coppia nominale in uscita in funzione di $Pn_1$ / *Nominal output torque referred to $Pn_1$* |
| sf | | Fattore di servizio / *Service factor* |
| $R_2$ | [N] | Carico radiale ammissibile in uscita / *Permitted output radial load* |
| $A_2$ | [N] | Carico assiale ammissibile in uscita / *Permitted output axial load* |
| Kg | [kg] | Peso del solo riduttore / *Weight of the gearbox only* |

## Lubrificazione — *Lubrication*

Tutti i motoriduttori CMB 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 CMB gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.*

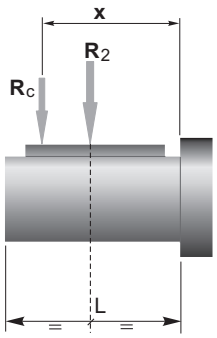
## Carichi radiali — *Radial loads*




| $n_2$ [$min^{-1}$] | $R_2$ [N] | | | |
|---|---|---|---|---|
| | CMB 402 | CMB 502 | CMB 633 | CMB 903 |
| 400 | 905 | 1116 | 1835 | 2682 |
| 300 | 996 | 1228 | 2020 | 2952 |
| 200 | 1141 | 1406 | 2312 | 3379 |
| 170 | 1204 | 1484 | 2441 | 3567 |
| 140 | 1414 | 1743 | 2604 | 3806 |
| 100 | 1582 | 1949 | 2913 | 4686 |
| 90 | 1638 | 2019 | 3321 | 4853 |
| 60 | 2047 | 2490 | 3801 | 5556 |
| 40 | 2524 | 3029 | 4492 | 6614 |
| 30 | 2778 | 3334 | 5159 | 7540 |
| 20 | 3180 | 3816 | 5906 | 8631 |
| 15 | 3500 | 4200 | 6500 | 9500 |
| 10 | 3500 | 4200 | 6500 | 9500 |

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

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




| | CMB 402 | CMB 502 | CMB 633 | CMB 903 |
|---|---|---|---|---|
| a | 86 | 104 | 118 | 157 |
| b | 66 | 79 | 93 | 117 |
| $R_{2MAX}$ | 3500 | 4200 | 6500 | 9500 |

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

$$R \leq R_c$$

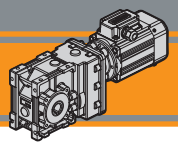
*a, b = valori riportati nella tabella*
*a, b = values given in the table*

## Motori applicabili — *Motors adapters*

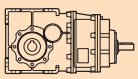
| CMB | SMT | | | | | | SMM | | | | | TS | | | | | | IEC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5444 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 | 100L14 | 100LB4 | 112M4 |
| 402 | | | | | | | | | | | | | | | | | | | |
| 502 | | | | | | | | | | | | | | | | | | | |
| 633 | | | | | | | | | | | | | | | | | | | |
| 903 | | | | | | | | | | | | | | | | | | | |

**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.*



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



| $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* | | | |
|---|---|---|---|---|---|---|---|
| **CMBIS 402** | | | | **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** |
| **227** | 40 | 1.0 | 6.18 | | | | * |
| **187** | 40 | 0.83 | 7.49 | | | | * |
| **152** | 40 | 0.68 | 9.2 | | | | * |
| **118** | 45 | 0.59 | 11.83 | | | | * |
| **112** | 45 | 0.56 | 12.48 | | | | * |
| **94.4** | 45 | 0.47 | 14.83 | | | | * |
| **79.4** | 45 | 0.40 | 17.63 | | | | * |
| **75.3** | 55 | 0.46 | 18.6 | | | | * |
| **62.7** | 55 | 0.38 | 22.33 | | | | * |
| **58.6** | 55 | 0.36 | 23.91 | | | | * |
| **48.5** | 65 | 0.35 | 28.89 | | | | * |
| **45.4** | 65 | 0.33 | 30.84 | | | | * |
| **41.7** | 65 | 0.30 | 33.57 | | | | * |
| **39.3** | 65 | 0.28 | 35.63 | | | | * |
| **32.7** | 65 | 0.24 | 42.75 | | | | * |
| **25.3** | 65 | 0.18 | 55.31 | | | * | * |
| **23.7** | 65 | 0.17 | 59.06 | | | * | * |
| **21.8** | 65 | 0.16 | 64.29 | | | * | * |
| **19.3** | 65 | 0.14 | 72.50 | | | * | * |
| **CMBIS 502** | | | | **56 B5/B14** | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** |
| **227** | 70 | 1.8 | 6.18 | | | | |
| **187** | 70 | 1.5 | 7.49 | | | | |
| **152** | 70 | 1.2 | 9.20 | | | | |
| **118** | 90 | 1.2 | 11.83 | | | | |
| **112** | 90 | 1.1 | 12.48 | | | | |
| **94.4** | 90 | 0.95 | 14.83 | | | | |
| **79.4** | 90 | 0.80 | 17.63 | | | | |
| **75.3** | 110 | 0.92 | 18.60 | | | | |
| **62.7** | 110 | 0.77 | 22.33 | | | | |
| **58.6** | 110 | 0.72 | 23.91 | | | | |
| **48.5** | 125 | 0.67 | 28.89 | | | | |
| **45.4** | 125 | 0.63 | 30.84 | | | | |
| **41.7** | 125 | 0.58 | 33.57 | | | | |
| **39.3** | 125 | 0.55 | 35.63 | | | | |
| **32.7** | 125 | 0.46 | 42.75 | | | | * |
| **25.3** | 125 | 0.35 | 55.31 | | | | * |
| **23.7** | 125 | 0.33 | 59.06 | | | | * |
| **21.8** | 125 | 0.30 | 64.29 | | | | * |
| **19.3** | 125 | 0.27 | 72.50 | | | | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

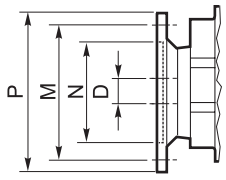
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*

***** = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. C8 alla pag. C12.

***** = *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page C8 to C12.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **56 B5** | **56 B14** | **63 B5** | **63 B14** | **71 B5** | **71 B14** | **80 B5** | **80 B14** |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 |
| **D** | 9 | | 11 | | 14 | | 19 | |

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

| $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* 56 B5/B14 | 63 B5/B14 | 71 B5/B14 | 80 B5/B14 | 90 B5/B14 |
|---|---|---|---|---|---|---|---|---|
| **CMBIS 633** | | | | | | | | |
| **213** | 150 | 3.6 | 6.58 | | | | | |
| **175** | 150 | 2.9 | 7.99 | | | | | |
| **143** | 150 | 2.4 | 9.81 | | | | | |
| **134** | 150 | 2.2 | 10.44 | | | | | |
| **112** | 150 | 1.9 | 12.53 | | | | | |
| **105** | 150 | 1.8 | 13.31 | | | | | |
| **88.6** | 170 | 1.7 | 15.81 | | | | | |
| **78.8** | 220 | 1.9 | 17.77 | | | | | |
| **64.9** | 220 | 1.6 | 21.56 | | | | | |
| **52.9** | 220 | 1.3 | 26.48 | | | | | |
| **49.7** | 220 | 1.2 | 28.17 | | | | | |
| **41.4** | 220 | 1.0 | 33.81 | | | | | |
| **39.0** | 220 | 0.96 | 35.92 | | | | | |
| **36.0** | 250 | 1.00 | 38.88 | | | | | |
| **29.7** | 250 | 0.83 | 47.16 | | | | | * |
| **24.2** | 250 | 0.67 | 57.93 | | | | | * |
| **22.7** | 250 | 0.63 | 61.63 | | | | | * |
| **18.9** | 250 | 0.53 | 73.96 | | | | | * |
| **17.8** | 250 | 0.50 | 78.58 | | | | | * |
| **15.0** | 250 | 0.42 | 93.33 | | | | * | * |
| **10.0** | 250 | 0.28 | 140.52 | | | | * | * |
| **7.7** | 250 | 0.21 | 181.81 | | | | * | * |
| **6.6** | 250 | 0.18 | 211.31 | | | * | * | * |
| **5.9** | 250 | 0.16 | 238.31 | | | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

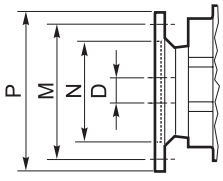
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*

*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

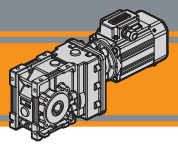
Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. C8 alla pag. C12.

**** =*** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

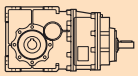
*Before selecting any gearbox, please read the performance values shown in the tables on page C8 to C12.*




| Dimensioni IEC / *IEC Dimensions* | 56 B5 | 56 B14 | 63 B5 | 63 B14 | 71 B5 | 71 B14 | 80 B5 | 80 B14 | 90 B5 | 90 B14 |
|---|---|---|---|---|---|---|---|---|---|---|
| **N** | 80 | 50 | 95 | 60 | 110 | 70 | 130 | 80 | 130 | 95 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 | 165 | 100 | 165 | 115 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 | 200 | 120 | 200 | 140 |
| **D** | 9 | | 11 | | 14 | | 19 | | 24 | |



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

|  | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili *IEC Motor adapters* | | | |
|---|---|---|---|---|---|---|---|---|
| **CMBIS 903** | | | | | **71 B5** | **80 B5/B14** | **90 B5/B14** | **100112 B5/B14** |
| | **211** | 280 | 6.57 | 6.65 | **B** | | | |
| | **175** | 280 | 5.46 | 8.00 | **B** | | | |
| | **144** | 280 | 4.48 | 9.74 | **B** | | | |
| | **125** | 280 | 3.90 | 11.21 | **B** | | | |
| | **99.3** | 300 | 3.32 | 14.09 | **B** | | | |
| | **78.0** | 450 | 3.91 | 17.95 | **B** | | | |
| | **64.8** | 450 | 3.25 | 21.60 | **B** | | | |
| | **53.2** | 450 | 2.67 | 26.30 | **B** | | | |
| | **46.3** | 450 | 2.32 | 30.25 | **B** | | | |
| | **35.7** | 500 | 1.99 | 39.26 | **B** | | | |
| | **29.6** | 500 | 1.65 | 47.25 | **B** | | | * |
| | **24.3** | 500 | 1.36 | 57.52 | **B** | | | * |
| | **21.2** | 500 | 1.18 | 66.17 | **B** | | | * |
| | **16.8** | 500 | 0.94 | 83.20 | **B** | | | * |
| | **13.0** | 500 | 0.72 | 108.09 | **B** | | * | * |
| | **10.6** | 500 | 0.59 | 132.23 | **B** | | * | * |
| | **9.5** | 500 | 0.53 | 147.92 | **B** | | * | * |
| | **8.4** | 500 | 0.47 | 167.09 | **B** | | * | * |
| | **7.3** | 500 | 0.41 | 191.06 | **B** | * | * | * |
| | **6.3** | 500 | 0.35 | 221.88 | **B** | * | * | * |
| | **5.3** | 500 | 0.30 | 262.96 | **B** | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
**B** = Boccola di riduzione in acciaio.

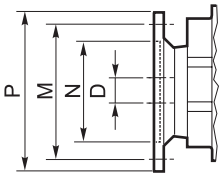
*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. C8 alla pag. C12.

*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*
***B** = Metal shaft sleeve.*

**** =** The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page C8 to C12.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | |
|---|---|---|---|---|---|---|---|
| | **71 B5** | **80 B5** | **80 B14** | **90 B5** | **90 B14** | **100/112 B5** | **100/112 B14** |
| **N** | 110 | 130 | 80 | 130 | 95 | 180 | 110 |
| **M** | 130 | 165 | 100 | 165 | 115 | 215 | 130 |
| **P** | 160 | 200 | 120 | 200 | 140 | 250 | 160 |
| **D** | 14 | 19 | | 24 | | 28 | |

## Dati tecnici

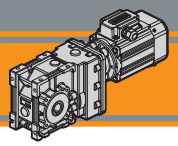
*Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.04** | | | | | |
| SMT5014 | **227** | 2 | 25.25 | 6.18 | **CMB402** |
| SMM5014 | **187** | 2 | 20.81 | 7.49 | |
| (1400 min$^{-1}$) | **152** | 2 | 16.94 | 9.20 | |
| | **118** | 3 | 14.83 | 11.83 | |
| SMT SMM | **112** | 3 | 14.05 | 12.48 | |
| | **94** | 4 | 11.83 | 14.83 | |
| | **79** | 5 | 9.95 | 17.63 | |
| | **75** | 5 | 11.53 | 18.60 | |
| | **63** | 6 | 9.61 | 22.33 | |
| | **59** | 6 | 8.97 | 23.91 | |
| | **48** | 7 | 8.77 | 28.89 | |
| | **45** | 8 | 8.22 | 30.84 | |
| | **42** | 9 | 7.55 | 33.57 | |
| | **39** | 9 | 7.11 | 35.63 | |
| | **33** | 11 | 5.93 | 42.75 | |
| | **25** | 14 | 4.58 | 55.31 | |
| | **24** | 15 | 4.29 | 59.06 | |
| | **22** | 16 | 3.94 | 64.29 | |
| | **19** | 19 | 3.50 | 72.50 | |
| | **24** | 15 | 8.25 | 59.06 | **CMB502** |
| | **22** | 16 | 7.58 | 64.29 | |
| | **19** | 19 | 6.72 | 72.50 | |
| | **17.8** | 20 | 12.40 | 78.58 | **CMB633** |
| | **15.0** | 24 | 10.44 | 93.33 | |
| | **10.0** | 36 | 6.94 | 140.52 | |
| | **7.7** | 47 | 5.36 | 181.81 | |
| | **6.6** | 54 | 4.61 | 211.31 | |
| | **5.9** | 61 | 4.09 | 238.31 | |
| **0.06** | | | | | |
| SMT5024 | **227** | 2 | 16.8 | 6.18 | **CMB402** |
| SMM5024 | **187** | 3 | 13.9 | 7.49 | |
| (1400 min$^{-1}$) | **152** | 4 | 11.3 | 9.20 | |
| | **118** | 5 | 9.9 | 11.83 | |
| SMT SMM | **112** | 5 | 9.4 | 12.48 | |
| | **94** | 6 | 7.9 | 14.83 | |
| | **79** | 7 | 6.6 | 17.63 | |
| | **75** | 7 | 7.7 | 18.60 | |
| | **63** | 9 | 6.4 | 22.33 | |
| | **59** | 9 | 6.0 | 23.91 | |
| | **48** | 11 | 5.8 | 28.89 | |
| | **45** | 12 | 5.5 | 30.84 | |
| | **42** | 13 | 5.0 | 33.57 | |
| | **39** | 14 | 4.7 | 35.63 | |
| | **33** | 16 | 4.0 | 42.75 | |
| | **25** | 21 | 3.1 | 55.31 | |
| | **24** | 23 | 2.9 | 59.06 | |
| | **22** | 25 | 2.6 | 64.29 | |
| | **19** | 28 | 2.3 | 72.50 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.06** | | | | | |
| SMT5024 | **24** | 23 | 5.5 | 59.06 | **CMB502** |
| SMM5024 | **22** | 25 | 5.1 | 64.29 | |
| (1400 min$^{-1}$) | **19** | 28 | 4.5 | 72.50 | |
| SMT SMM | **19** | 43 | 5.9 | 73.96 | **CMB633** |
| | **18** | 45 | 5.5 | 78.58 | |
| | **15** | 54 | 4.6 | 93.33 | |
| | **10** | 81 | 3.1 | 140.52 | |
| | **7.7** | 105 | 2.4 | 181.81 | |
| | **6.6** | 122 | 2.1 | 211.31 | |
| | **5.9** | 138 | 1.8 | 238.31 | |
| **0.09** | | | | | |
| SMT5034 | **227** | 4 | 11 | 6.18 | **CMB402** |
| SMM5034 | **187** | 4 | 9.3 | 7.49 | |
| SMT5624 | **152** | 5 | 7.5 | 9.20 | |
| SMM5624 | **118** | 7 | 6.6 | 11.83 | |
| (1400 min$^{-1}$) | **112** | 7 | 6.3 | 12.48 | |
| SMT SMM | **94** | 9 | 5.3 | 14.83 | |
| | **79** | 10 | 4.4 | 17.63 | |
| | **75** | 11 | 5.1 | 18.60 | |
| TS5624 | **63** | 13 | 4.3 | 22.33 | |
| (1400 min$^{-1}$) | **59** | 14 | 4.0 | 23.91 | |
| | **48** | 17 | 3.9 | 28.89 | |
| | **45** | 18 | 3.7 | 30.84 | |
| | **42** | 19 | 3.4 | 33.57 | |
| | **39** | 21 | 3.2 | 35.63 | |
| | **33** | 25 | 2.6 | 42.75 | |
| | **25** | 32 | 2.0 | 55.31 | |
| | **24** | 34 | 1.9 | 59.06 | |
| | **22** | 37 | 1.8 | 64.29 | |
| | **19** | 42 | 1.6 | 72.50 | |
| | **33** | 25 | 5.1 | 42.75 | **CMB502** |
| | **25** | 32 | 3.9 | 55.31 | |
| | **24** | 34 | 3.7 | 59.06 | |
| | **22** | 37 | 3.4 | 64.29 | |
| | **19** | 42 | 3.0 | 72.50 | |
| | **19** | 43 | 5.9 | 73.96 | **CMB633** |
| | **18** | 45 | 5.5 | 78.58 | |
| | **15** | 54 | 4.6 | 93.33 | |
| | **10** | 81 | 3.1 | 140.52 | |
| | **7.7** | 105 | 2.4 | 181.81 | |
| | **6.6** | 122 | 2.1 | 211.31 | |
| | **5.9** | 138 | 1.8 | 238.31 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| | 5014<br>5024<br>5034 | 5624 | 5014<br>5024<br>5034 | 5624 | 5624 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.12** | | | | | |
| SMT5044 | **227** | 5 | 8.4 | 6.18 | **CMB402** |
| SMT5634 | **187** | 6 | 6.9 | 7.49 | |
| SMM5634 | **152** | 7 | 5.6 | 9.20 | |
| (1400 min$^{-1}$) | **118** | 9 | 4.9 | 11.83 | |
| SMT SMM | **112** | 10 | 4.7 | 12.48 | |
| | **94** | 11 | 3.9 | 14.83 | |
| | **79** | 14 | 3.3 | 17.63 | |
| TS6314 | **75** | 14 | 3.8 | 18.60 | |
| (1400 min$^{-1}$) | **63** | 17 | 3.2 | 22.33 | |
| | **59** | 18 | 3.0 | 23.91 | |
| | **48** | 22 | 2.9 | 28.89 | |
| | **45** | 24 | 2.7 | 30.84 | |
| | **42** | 26 | 2.5 | 33.57 | |
| | **39** | 27 | 2.4 | 35.63 | |
| | **33** | 33 | 2.0 | 42.75 | |
| | **25** | 43 | 1.5 | 55.31 | |
| | **24** | 45 | 1.4 | 59.06 | |
| | **22** | 49 | 1.3 | 64.29 | |
| | **19** | 56 | 1.2 | 72.50 | |
| | **33** | 33 | 3.8 | 42.75 | **CMB502** |
| | **25** | 43 | 2.9 | 55.31 | |
| | **24** | 45 | 2.8 | 59.06 | |
| | **22** | 49 | 2.5 | 64.29 | |
| | **19** | 56 | 2.2 | 72.50 | |
| | **19** | 57 | 4.4 | 73.96 | **CMB633** |
| | **18** | 60 | 4.1 | 78.58 | |
| | **15** | 72 | 3.5 | 93.33 | |
| | **10** | 108 | 2.3 | 140.52 | |
| | **7.7** | 140 | 1.8 | 181.81 | |
| | **6.6** | 163 | 1.5 | 211.31 | |
| | **5.9** | 183 | 1.4 | 238.31 | |
| **0.18** | | | | | |
| SMT5644 | **227** | 7 | 5.6 | 6.18 | **CMB402** |
| SMT6324 | **187** | 9 | 4.6 | 7.49 | |
| SMM5644 | **152** | 11 | 3.8 | 9.20 | |
| SMM6324 | **118** | 14 | 3.3 | 11.83 | |
| (1400 min$^{-1}$) | **112** | 14 | 3.1 | 12.48 | |
| SMT SMM | **94** | 17 | 2.6 | 14.83 | |
| | **79** | 20 | 2.2 | 17.63 | |
| TS6324 | **75** | 21 | 2.6 | 18.60 | |
| (1400 min$^{-1}$) | **63** | 26 | 2.1 | 22.33 | |
| | **59** | 28 | 2.0 | 23.91 | |
| | **48** | 33 | 1.9 | 28.89 | |
| | **45** | 36 | 1.8 | 30.84 | |
| | **42** | 39 | 1.7 | 33.57 | |
| | **39** | 41 | 1.6 | 35.63 | |
| | **33** | 49 | 1.3 | 42.75 | |
| | **25** | 64 | 1.0 | 55.31 | |
| | **24** | 68 | 0.95 | 59.06 | |
| | **22** | 74 | 0.88 | 64.29 | |
| | **19** | 84 | 0.8 | 72.50 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.18** | | | | | |
| SMT5644 | **45** | 36 | 3.5 | 30.84 | **CMB502** |
| SMT6324 | **42** | 39 | 3.2 | 33.57 | |
| SMM5644 | **39** | 41 | 3.0 | 35.63 | |
| SMM6324 | **33** | 49 | 2.5 | 42.75 | |
| (1400 min$^{-1}$) | **25** | 64 | 2.0 | 55.31 | |
| SMT SMM | **24** | 68 | 1.8 | 59.06 | |
| | **22** | 74 | 1.7 | 64.29 | |
| | **19** | 84 | 1.5 | 72.50 | |
| TS6324 | | | | | |
| (1400 min$^{-1}$) | **24** | 67 | 3.7 | 57.93 | **CMB633** |
| | **23** | 71 | 3.5 | 61.63 | |
| | **19** | 85 | 2.9 | 73.96 | |
| | **18** | 91 | 2.8 | 78.58 | |
| | **15** | 108 | 2.3 | 93.33 | |
| | **10** | 162 | 1.5 | 140.52 | |
| | **7.7** | 210 | 1.2 | 181.81 | |
| | **6.6** | 244 | 1.0 | 211.31 | |
| | **5.9** | 275 | 0.9 | 238.31 | |
| **0.25** | | | | | |
| SMT5654 | **227** | 10 | 4.0 | 6.18 | **CMB402** |
| SMT6334 | **187** | 12 | 3.3 | 7.49 | |
| SMM6334 | **152** | 15 | 2.7 | 9.20 | |
| (1400 min$^{-1}$) | **118** | 19 | 2.4 | 11.83 | |
| | **112** | 20 | 2.2 | 12.48 | |
| SMT SMM | **94** | 24 | 1.9 | 14.83 | |
| | **79** | 28 | 1.6 | 17.63 | |
| TS6334 | **75** | 30 | 1.8 | 18.60 | |
| TS7114 | **63** | 36 | 1.5 | 22.33 | |
| (1400 min$^{-1}$) | **59** | 38 | 1.4 | 23.91 | |
| | **48** | 46 | 1.4 | 28.89 | |
| | **45** | 49 | 1.3 | 30.84 | |
| | **42** | 54 | 1.2 | 33.57 | |
| | **39** | 57 | 1.1 | 35.63 | |
| | **33** | 69 | 0.9 | 42.75 | |
| | **227** | 10 | 7.1 | 6.18 | **CMB502** |
| | **187** | 12 | 5.8 | 7.49 | |
| | **152** | 15 | 4.7 | 9.20 | |
| | **118** | 19 | 4.7 | 11.83 | |
| | **112** | 20 | 4.5 | 12.48 | |
| | **94** | 24 | 3.8 | 14.83 | |
| | **79** | 28 | 3.2 | 17.63 | |
| | **75** | 30 | 3.7 | 18.60 | |
| | **63** | 36 | 3.1 | 22.33 | |
| | **59** | 38 | 2.9 | 23.91 | |
| | **48** | 46 | 2.7 | 28.89 | |
| | **45** | 49 | 2.5 | 30.84 | |
| | **42** | 54 | 2.3 | 33.57 | |
| | **39** | 57 | 2.2 | 35.63 | |
| | **33** | 69 | 1.8 | 42.75 | |
| | **25** | 89 | 1.4 | 55.31 | |
| | **24** | 95 | 1.3 | 59.06 | |
| | **22** | 103 | 1.2 | 64.29 | |
| | **19** | 116 | 1.1 | 72.50 | |

IEC

| Motori *Motors* | SMT | | | SMM | | TS | |
|---|---|---|---|---|---|---|---|
| | 5044 | 5634<br>5644 | 6324 | 5634<br>5644 | 6334 | 6314<br>6324<br>6334 | 7114 |
| IEC | 56 B14 | 56 B14 | 63 B14 | 56 B14 | 63 B14 | 63 B5 / B14 | 71 B5 / B14 |

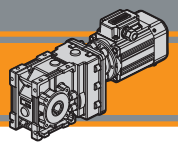
## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.25** | | | | | |
| SMT5654<br>SMT6334<br>SMM6334<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6334<br>TS7114<br>(1400 min$^{-1}$) | **41** | 54 | 4.1 | 33.81 | **CMB633** |
| | **39** | 58 | 3.8 | 35.92 | |
| | **36** | 62 | 4.0 | 38.88 | |
| | **30** | 76 | 3.3 | 47.16 | |
| | **24** | 93 | 2.7 | 57.93 | |
| | **23** | 99 | 2.5 | 61.63 | |
| | **19** | 119 | 2.1 | 73.96 | |
| | **18** | 126 | 2.0 | 78.58 | |
| | **15** | 150 | 1.7 | 93.33 | |
| | **10** | 225 | 1.1 | 140.52 | |
| | **7.7** | 291 | 0.9 | 181.81 | |
| TS7114<br>B5<br>Solo / *Only*<br>(1400 min$^{-1}$) | **24** | 92 | 5.4 | 57.52 | **CMB903** |
| | **21** | 106 | 4.7 | 66.17 | |
| | **17** | 133 | 3.7 | 83.20 | |
| | **13** | 173 | 2.9 | 108.09 | |
| | **11** | 212 | 2.4 | 132.23 | |
| | **9.5** | 237 | 2.1 | 147.92 | |
| | **8.4** | 268 | 1.9 | 167.09 | |
| | **7.3** | 306 | 1.6 | 191.06 | |
| | **6.3** | 356 | 1.4 | 221.88 | |
| | **5.3** | 422 | 1.2 | 262.96 | |
| **0.37** | | | | | |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7124<br>(1400 min$^{-1}$) | **227** | 15 | 2.7 | 6.18 | **CMB402** |
| | **187** | 18 | 2.3 | 7.49 | |
| | **152** | 22 | 1.8 | 9.20 | |
| | **118** | 28 | 1.6 | 11.83 | |
| | **112** | 30 | 1.5 | 12.48 | |
| | **94** | 35 | 1.3 | 14.83 | |
| | **79** | 42 | 1.1 | 17.63 | |
| | **75** | 44 | 1.2 | 18.60 | |
| | **63** | 53 | 1.0 | 22.33 | |
| | **59** | 57 | 1.0 | 23.91 | |
| | **48** | 69 | 0.9 | 28.89 | |
| | **45** | 73 | 0.9 | 30.84 | |
| | **42** | 80 | 0.8 | 33.57 | |
| | **227** | 15 | 4.8 | 6.18 | **CMB502** |
| | **187** | 18 | 3.9 | 7.49 | |
| | **152** | 22 | 3.2 | 9.20 | |
| | **118** | 28 | 3.2 | 11.83 | |
| | **112** | 30 | 3.0 | 12.48 | |
| | **94** | 35 | 2.6 | 14.83 | |
| | **79** | 42 | 2.2 | 17.63 | |
| | **75** | 44 | 2.5 | 18.60 | |
| | **63** | 53 | 2.1 | 22.33 | |
| | **59** | 57 | 1.9 | 23.91 | |
| | **48** | 69 | 1.8 | 28.89 | |
| | **45** | 73 | 1.7 | 30.84 | |
| | **42** | 80 | 1.6 | 33.57 | |
| | **39** | 85 | 1.5 | 35.63 | |
| | **33** | 101 | 1.2 | 42.75 | |
| | **25** | 131 | 1.0 | 55.31 | |
| | **24** | 140 | 0.9 | 59.06 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.37** | | | | | |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7124<br>(1400 min$^{-1}$) | **65** | 51 | 4.3 | 21.56 | **CMB633** |
| | **53** | 63 | 3.5 | 26.48 | |
| | **50** | 67 | 3.3 | 28.17 | |
| | **41** | 80 | 2.7 | 33.81 | |
| | **39** | 85 | 2.6 | 35.92 | |
| | **36** | 92 | 2.7 | 38.88 | |
| | **30** | 112 | 2.2 | 47.16 | |
| | **24** | 137 | 1.8 | 57.93 | |
| | **23** | 146 | 1.7 | 61.63 | |
| | **19** | 175 | 1.4 | 73.96 | |
| | **18** | 186 | 1.3 | 78.58 | |
| | **15** | 221 | 1.1 | 93.33 | |
| TS7124<br>B5<br>Solo / *Only*<br>(1400 min$^{-1}$) | **30** | 112 | 4.5 | 47.25 | **CMB903** |
| | **24** | 136 | 3.7 | 57.52 | |
| | **21** | 157 | 3.2 | 66.17 | |
| | **17** | 197 | 2.5 | 83.20 | |
| | **13** | 256 | 1.9 | 108.09 | |
| | **11** | 314 | 1.6 | 132.23 | |
| | **9.5** | 351 | 1.4 | 147.92 | |
| | **8.4** | 396 | 1.3 | 167.09 | |
| | **7.3** | 453 | 1.1 | 191.06 | |
| | **6.3** | 526 | 0.9 | 221.88 | |
| | **5.3** | 624 | 0.8 | 262.96 | |
| **0.55** | | | | | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>(1400 min$^{-1}$) | **227** | 22 | 1.8 | 6.18 | **CMB402** |
| | **187** | 26 | 1.5 | 7.49 | |
| | **152** | 32 | 1.2 | 9.20 | |
| | **118** | 42 | 1.1 | 11.83 | |
| | **112** | 44 | 1.0 | 12.48 | |
| | **94** | 52 | 0.9 | 14.83 | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>TS8014<br>(1400 min$^{-1}$) | **227** | 22 | 3.2 | 6.18 | **CMB502** |
| | **187** | 26 | 2.6 | 7.49 | |
| | **152** | 32 | 2.2 | 9.20 | |
| | **118** | 42 | 2.2 | 11.83 | |
| | **112** | 44 | 2.0 | 12.48 | |
| | **94** | 52 | 1.7 | 14.83 | |
| | **79** | 62 | 1.4 | 17.63 | |
| | **75** | 66 | 1.7 | 18.60 | |
| | **63** | 79 | 1.4 | 22.33 | |
| | **59** | 84 | 1.3 | 23.91 | |
| | **48** | 102 | 1.2 | 28.89 | |
| | **45** | 109 | 1.1 | 30.84 | |
| | **42** | 118 | 1.1 | 33.57 | |
| | **39** | 126 | 1.0 | 35.63 | |

IEC

| Motori *Motors* | SMT | | | SMM | | TS | |
|---|---|---|---|---|---|---|---|
| | 5654 | 6334<br>6344 | 7124<br>7134 | 6334 | 7124<br>7134 | 7114<br>7124<br>7134 | 8014 |
| IEC | 56 B14 | 63 B14 | 71 B14 | 63 B14 | 71 B14 | 71 B5 / B14 | 80 B5 / B14 |



## Dati tecnici — *Technical data*



### 0.55

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT7134 | **213** | 23 | 6.5 | 6.58 | **CMB633** |
| SMM7134 | **175** | 28 | 5.3 | 7.99 | |
| (1400 min$^{-1}$) | **143** | 35 | 4.3 | 9.81 | |
| SMT SMM | **134** | 37 | 4.1 | 10.44 | |
| | **112** | 44 | 3.4 | 12.53 | |
| | **105** | 47 | 3.2 | 13.31 | |
| TS7134 | **89** | 56 | 3.0 | 15.81 | |
| TS8014 | **79** | 63 | 3.5 | 17.77 | |
| (1400 min$^{-1}$) | **65** | 76 | 2.9 | 21.56 | |
| | **53** | 93 | 2.4 | 26.48 | |
| | **50** | 99 | 2.2 | 28.17 | |
| | **41** | 119 | 1.8 | 33.81 | |
| | **39** | 127 | 1.7 | 35.92 | |
| | **36** | 137 | 1.8 | 38.88 | |
| | **30** | 166 | 1.5 | 47.16 | |
| | **24** | 204 | 1.2 | 57.93 | |
| | **23** | 217 | 1.2 | 61.63 | |
| | **19** | 261 | 1.0 | 73.96 | |
| | **18** | 277 | 0.9 | 78.58 | |
| TS7134 B5 | **46** | 107 | 4.2 | 30.25 | **CMB903** |
| | **36** | 138 | 3.6 | 39.26 | |
| TS8014 | **30** | 167 | 3.0 | 47.25 | |
| Solo / *Only* | **24** | 203 | 2.5 | 57.52 | |
| (1400 min$^{-1}$) | **21** | 233 | 2.1 | 66.17 | |
| | **17** | 293 | 1.7 | 83.20 | |
| | **13** | 381 | 1.3 | 108.09 | |
| | **11** | 466 | 1.1 | 132.23 | |
| | **9.5** | 522 | 1.0 | 147.92 | |
| | **8.4** | 589 | 0.8 | 167.09 | |

### 0.75

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT7144 | **213** | 32 | 4.7 | 6.58 | **CMB633** |
| SMT8024 IE3 | **175** | 38 | 3.9 | 7.99 | |
| SMM8024 | **143** | 47 | 3.2 | 9.81 | |
| (1400 min$^{-1}$) | **134** | 50 | 3.0 | 10.44 | |
| SMT SMM | **112** | 60 | 2.5 | 12.53 | |
| | **105** | 64 | 2.3 | 13.31 | |
| | **89** | 76 | 2.2 | 15.81 | |
| TS7144 | **79** | 85 | 2.6 | 17.77 | |
| TS8024 | **65** | 104 | 2.1 | 21.56 | |
| (1400 min$^{-1}$) | **53** | 127 | 1.7 | 26.48 | |
| | **50** | 135 | 1.6 | 28.17 | |
| | **41** | 163 | 1.4 | 33.81 | |
| | **39** | 173 | 1.3 | 35.92 | |
| | **36** | 187 | 1.3 | 38.88 | |
| | **30** | 227 | 1.1 | 47.16 | |
| | **24** | 279 | 0.9 | 57.93 | |
| | **23** | 296 | 0.8 | 61.63 | |
| SMT8024 IE3 | **65** | 104 | 4.3 | 21.60 | **CMB903** |
| SMM8024 | **53** | 126 | 3.6 | 26.30 | |
| (1400 min$^{-1}$) | **46** | 145 | 3.1 | 30.25 | |
| SMT SMM | **36** | 189 | 2.6 | 39.26 | |
| | **30** | 227 | 2.2 | 47.25 | |
| | **24** | 277 | 1.8 | 57.52 | |
| | **21** | 318 | 1.6 | 66.17 | |
| TS7144 B5 | **17** | 400 | 1.2 | 83.20 | |
| | **13** | 520 | 1.0 | 108.09 | |
| TS8024 | | | | | |
| (1400 min$^{-1}$) | | | | | |

### 0.75

| | | | | | |
|---|---|---|---|---|---|
| SMT7144 | **227** | 30 | 2.4 | 6.18 | **CMB502** |
| SMT8024 IE3 | **187** | 36 | 1.9 | 7.49 | |
| SMM8024 | **152** | 44 | 1.6 | 9.20 | |
| (1400 min$^{-1}$) | **118** | 57 | 1.6 | 11.83 | |
| SMT SMM | **112** | 60 | 1.5 | 12.48 | |
| | **94** | 71 | 1.3 | 14.83 | |
| | **79** | 85 | 1.1 | 17.63 | |
| TS7144 | **75** | 89 | 1.2 | 18.60 | |
| TS8024 | **63** | 107 | 1.0 | 22.33 | |
| (1400 min$^{-1}$) | **59** | 115 | 1.0 | 23.91 | |
| | **48** | 139 | 0.9 | 28.89 | |

### 1.1

| | | | | | |
|---|---|---|---|---|---|
| SMT8034 IE3 | **213** | 46 | 3.2 | 6.58 | **CMB633** |
| (1400 min$^{-1}$) | **175** | 56 | 2.7 | 7.99 | |
| SMT SMM | **143** | 69 | 2.2 | 9.81 | |
| | **134** | 74 | 2.0 | 10.44 | |
| | **112** | 88 | 1.7 | 12.53 | |
| TS8034 | **105** | 94 | 1.6 | 13.31 | |
| TS90S4 | **89** | 112 | 1.5 | 15.81 | |
| (1400 min$^{-1}$) | **79** | 125 | 1.8 | 17.77 | |
| | **65** | 152 | 1.4 | 21.56 | |
| | **53** | 187 | 1.2 | 26.48 | |
| | **50** | 199 | 1.1 | 28.17 | |
| | **41** | 238 | 0.9 | 33.81 | |
| | **39** | 253 | 0.9 | 35.92 | |
| | **36** | 274 | 0.9 | 38.88 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS | | |
|---|---|---|---|---|---|---|---|
| | 7134 7144 | 8024 8034 | 7134 | 8024 | 7134 7144 | 8024 8034 | 90S4 |
| IEC | 71 B14 | 80 B14 | 71 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 | 90 B5 / B14 |

## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **1.1** | | | | | |
| SMT8034 IE3 (1400 min$^{-1}$) SMT SMM | **211** | 47 | 6.0 | 6.65 | **CMB903** |
| | **175** | 56 | 5.0 | 8.00 | |
| | **144** | 69 | 4.1 | 9.74 | |
| | **125** | 79 | 3.5 | 11.21 | |
| | **99** | 99 | 3.0 | 14.09 | |
| TS8034 TS90S4 (1400 min$^{-1}$) | **78** | 127 | 3.6 | 17.95 | |
| | **65** | 152 | 3.0 | 21.60 | |
| | **53** | 185 | 2.4 | 26.30 | |
| | **46** | 213 | 2.1 | 30.25 | |
| | **36** | 277 | 1.8 | 39.26 | |
| | **30** | 333 | 1.5 | 47.25 | |
| | **24** | 406 | 1.2 | 57.52 | |
| | **21** | 467 | 1.1 | 66.17 | |
| | **17** | 587 | 0.9 | 83.20 | |
| **1.5** | | | | | |
| SMT9024 IE3 (1400 min$^{-1}$) SMT SMM | **213** | 63 | 2.4 | 6.58 | **CMB633** |
| | **175** | 77 | 2.0 | 7.99 | |
| | **143** | 94 | 1.6 | 9.81 | |
| | **134** | 100 | 1.5 | 10.44 | |
| | **112** | 120 | 1.2 | 12.53 | |
| TS90L14 (1400 min$^{-1}$) | **105** | 128 | 1.2 | 13.31 | |
| | **89** | 152 | 1.1 | 15.81 | |
| | **79** | 171 | 1.3 | 17.77 | |
| | **65** | 207 | 1.1 | 21.56 | |
| | **53** | 255 | 0.9 | 26.48 | |
| | **211** | 64 | 4.4 | 6.65 | **CMB903** |
| | **175** | 77 | 3.6 | 8.00 | |
| | **144** | 94 | 3.0 | 9.74 | |
| | **125** | 108 | 2.6 | 11.21 | |
| | **99** | 136 | 2.2 | 14.09 | |
| | **78** | 173 | 2.6 | 17.95 | |
| | **65** | 208 | 2.2 | 21.60 | |
| | **53** | 253 | 1.8 | 26.30 | |
| | **46** | 291 | 1.5 | 30.25 | |
| | **36** | 378 | 1.3 | 39.26 | |
| | **30** | 454 | 1.1 | 47.25 | |
| | **24** | 553 | 0.9 | 57.52 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **2.2** | | | | | |
| SMT9034 IE3 (1400 min$^{-1}$) SMT SMM | **211** | 94 | 3.0 | 6.65 | **CMB903** |
| | **175** | 113 | 2.5 | 8.00 | |
| | **144** | 137 | 2.0 | 9.74 | |
| | **125** | 158 | 1.8 | 11.21 | |
| | **99** | 199 | 1.5 | 14.09 | |
| TS90L24 | **78** | 253 | 1.8 | 17.95 | |
| TS100L14 (1400 min$^{-1}$) | **65** | 305 | 1.5 | 21.60 | |
| | **53** | 371 | 1.2 | 26.30 | |
| | **46** | 427 | 1.1 | 30.25 | |
| | **36** | 554 | 0.9 | 39.26 | |
| **3** | | | | | |
| 100LB4 (1400 min$^{-1}$) | **211** | 128 | 2.2 | 6.65 | **CMB903** |
| | **175** | 154 | 1.8 | 8.00 | |
| | **144** | 187 | 1.5 | 9.74 | |
| | **125** | 216 | 1.3 | 11.21 | |
| | **99** | 271 | 1.1 | 14.09 | |
| | **78** | 345 | 1.3 | 17.95 | |
| | **65** | 416 | 1.1 | 21.60 | |
| | **53** | 506 | 0.9 | 26.30 | |
| **4** | | | | | |
| 112M4 (1400 min$^{-1}$) | **211** | 171 | 1.6 | 6.65 | **CMB903** |
| | **175** | 205 | 1.4 | 8.00 | |
| | **144** | 250 | 1.1 | 9.74 | |
| | **125** | 287 | 1.0 | 11.21 | |
| | **99** | 361 | 0.8 | 14.09 | |
| | **78** | 460 | 1.0 | 17.95 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS | | | IEC | |
|---|---|---|---|---|---|---|---|---|---|
| | 8034 | 9024 9034 | 7134 | 8024 | 8034 | 90S4 90L14 90L24 | 100L14 | 100LB4 | 112M4 |
| IEC | 71 B14 | 80 B14 | 71 B14 | 80 B14 | 80 B5 / B14 | 90 B5 / B14 | 100 B5/B14 | 100 B5 / B14 | 112 B5 / B14 |

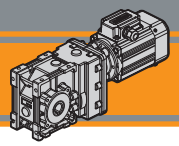
## Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato:

*Please see the dedicated paragraph:*

SMT SMM → N4 pag.

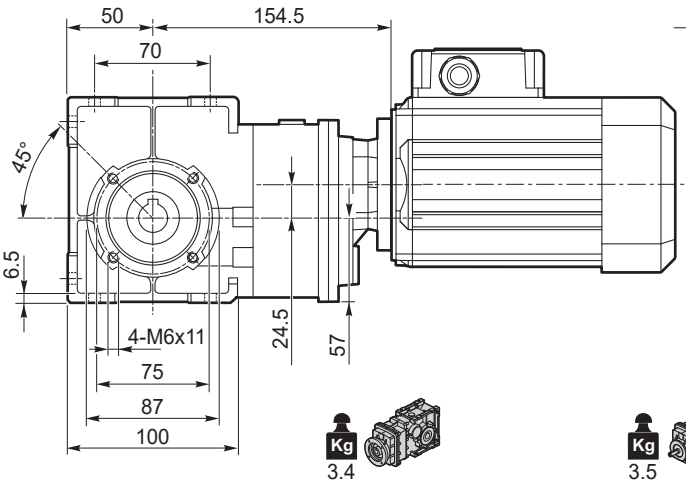
TS → R3 pag.



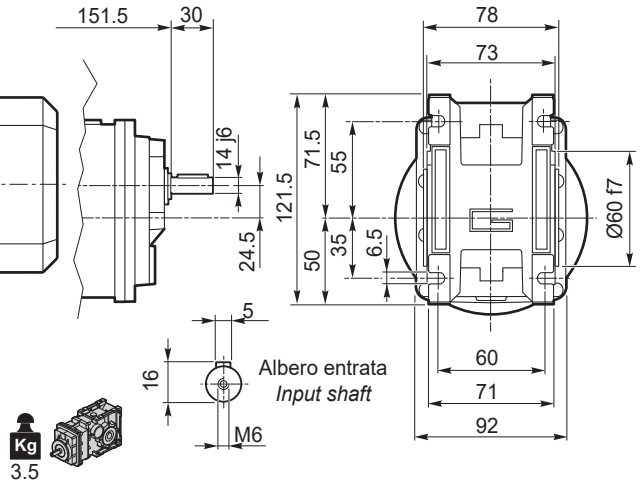


# CMB 402.. - CMBIS 402..

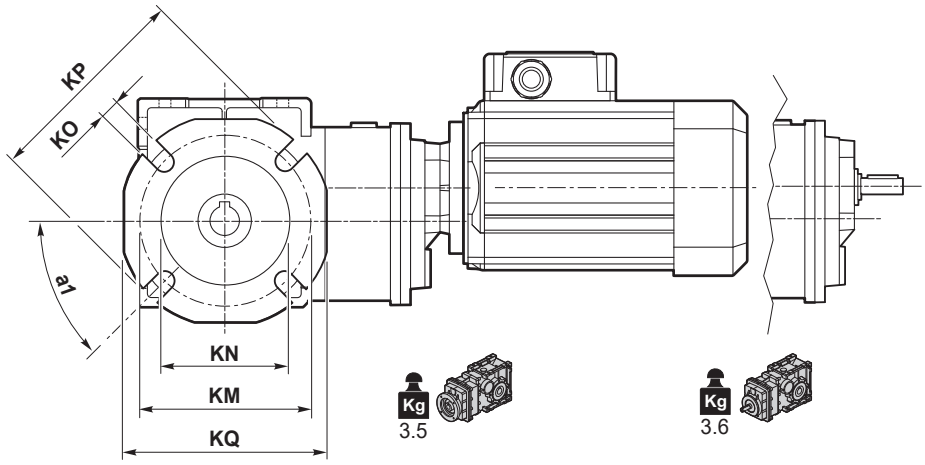
## CMB 402 U..



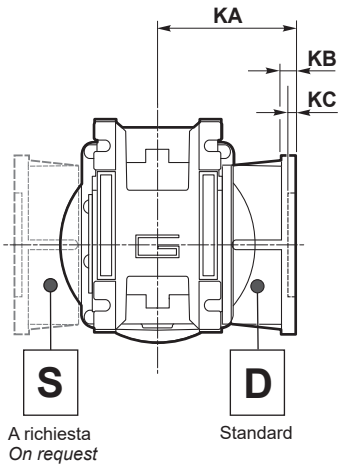

## CMBIS 402 U..




## CMB 402 F..




## CMBIS 402 F..




| Versione **F** / ***F** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMB CMBIS** | **$a_1$** | **KA** | **KB** | **KC** | **KM** | **KN** H8 | **KO** | **KP** | **KQ** | **Flangia / *Flange*** Tipo / *Type* |
| **402** | 45° | 67 | 7.5 | 4.5 | 80-95 | 60 | 9 | 110 | 95 | **F** |
| | 45° | 97 | 7.5 | 4.5 | 80-95 | 60 | 9 | 110 | 95 | **FL** |
| | 45° | 80 | 8.5 | 5 | 115-125 | 95 | 9.5 | 140 | 112 | **FB** |

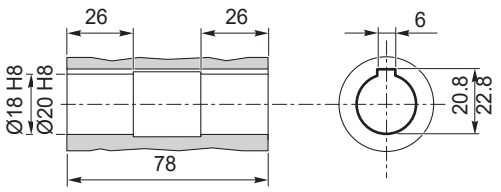
## CMB 402.. D18 - CMBIS 402.. D18
## CMB 402.. D20 - CMBIS 402.. D20

Flangia entrata
*Input flange*



C5
pag.

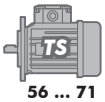
Albero uscita cavo
*Hollow output shaft*







50 ... 71
N4
pag.

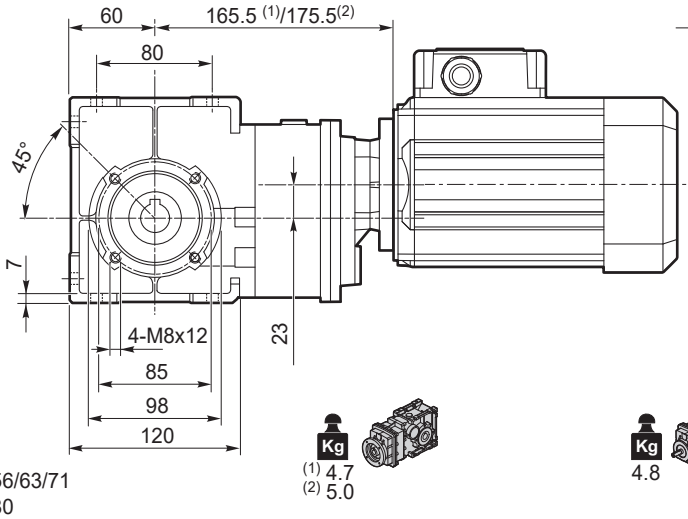



56 ... 71
R4
pag.

**Dimensioni** *Dimensions*

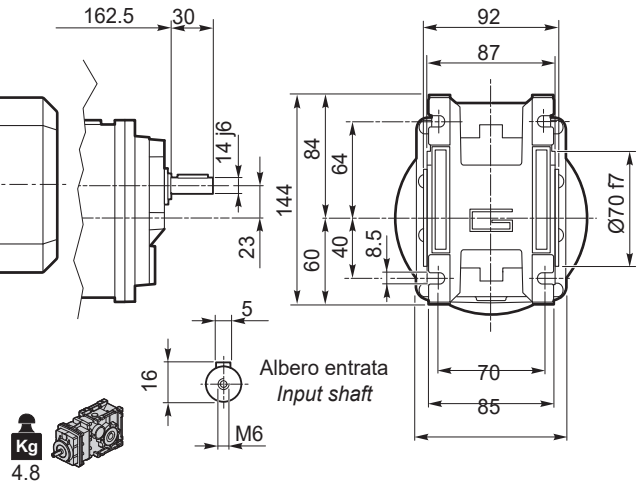
# CMB 502.. - CMBIS 502..

## CMB 502 U..

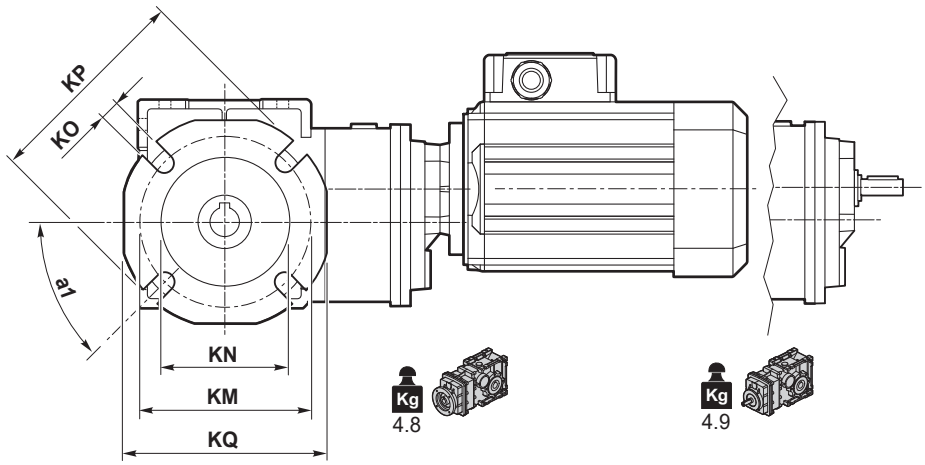



(1)IEC 56/63/71
(2)IEC 80

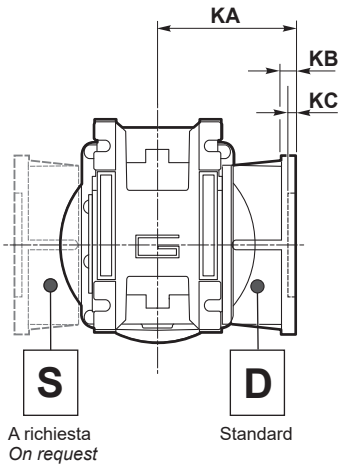
## CMBIS 502 U..




## CMB 502 F..



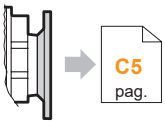

## CMBIS 502 F..




| Versione **F** / ***F** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMB CMBIS** | **$a_1$** | **KA** | **KB** | **KC** | **KM** | **KN** H8 | **KO** | **KP** | **KQ** | **Flangia / *Flange*** Tipo / *Type* |
| **502** | 45° | 90 | 9 | 5 | 90-110 | 70 | 11 | 125 | 110 | **F** |
| | 45° | 120 | 9 | 5 | 90-110 | 70 | 11 | 125 | 110 | **FL** |
| | 45° | 89 | 9 | 5 | 130-145 | 110 | 9.5 | 160 | 132 | **FB** |

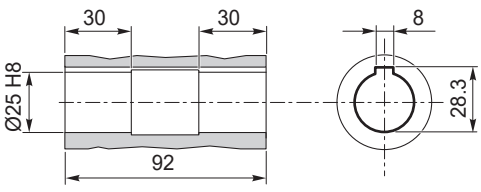
## CMB 502.. D25 - CMBIS 502.. D25

Flangia entrata
*Input flange*



C5 pag.

Albero uscita cavo
*Hollow output shaft*







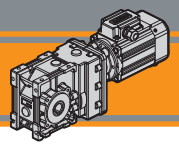
50 ... 80

N4 pag.




56 ... 80

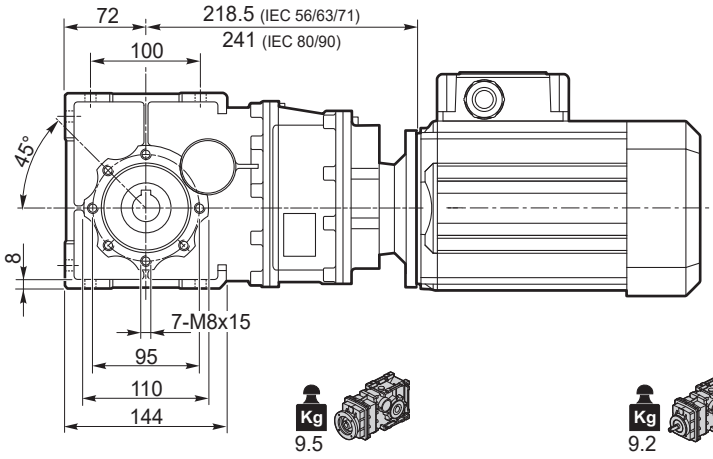
R4 pag.



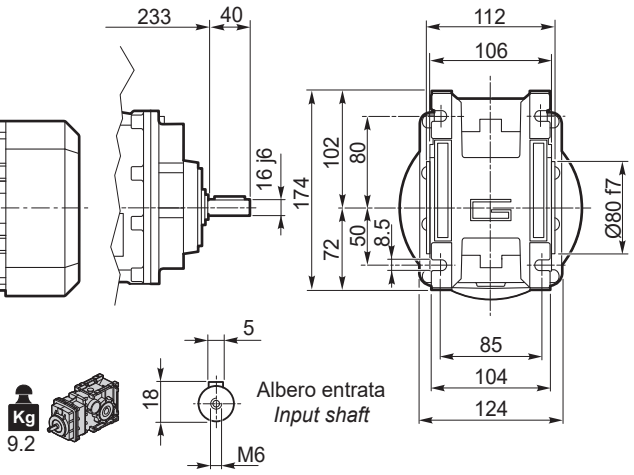


# CMB 633.. - CMBIS 633..

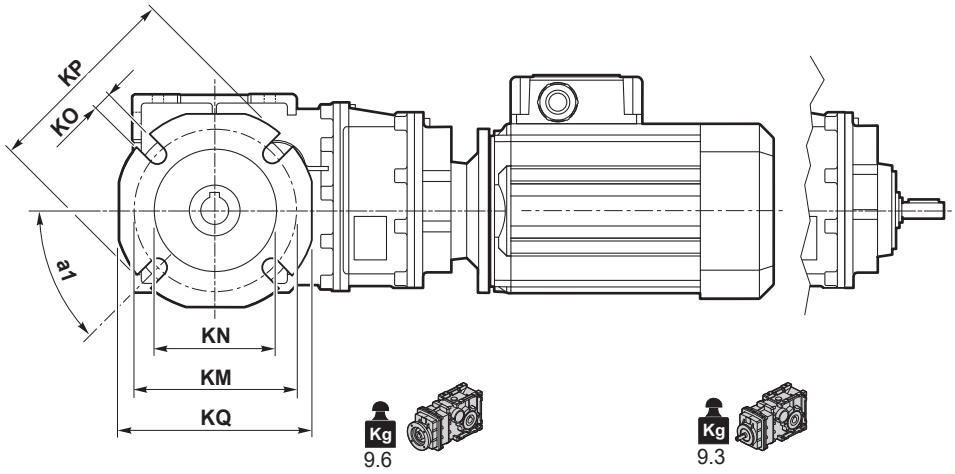
## CMB 633 U..



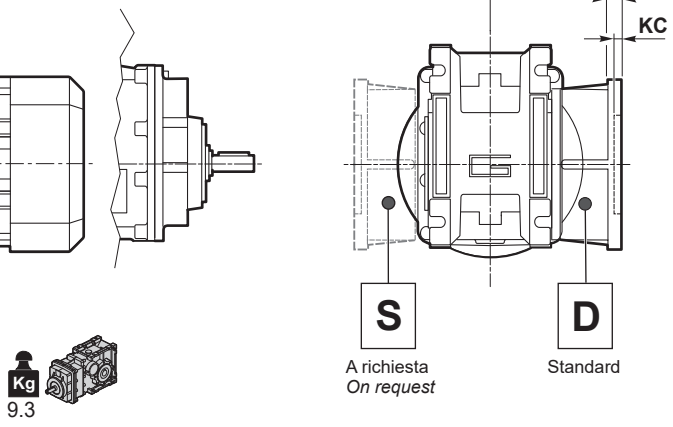

## CMBIS 633 U..




## CMB 633 F..

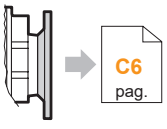



## CMBIS 633 F..



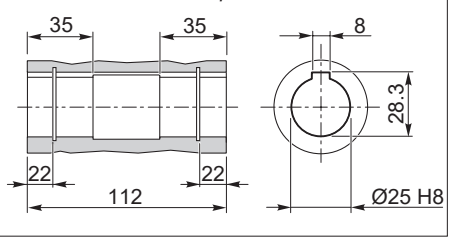

| Versione **F** / ***F** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMB CMBIS** | **$a_1$** | **KA** | **KB** | **KC** | **KM** | **KN** H8 | **KO** | **KP** | **KQ** | **Flangia / *Flange*** Tipo / *Type* |
| **633** | 45° | 82 | 10 | 6 | 150-160 | 115 | 11 | 180 | 142 | **F** |
| | 45° | 112 | 10 | 8 | 150-160 | 115 | 11 | 180 | 142 | **FL** |
| | 45° | 98 | 11 | 5 | 165 | 130 | 11 | 200 | 160 | **FB** |

Flangia entrata
*Input flange*



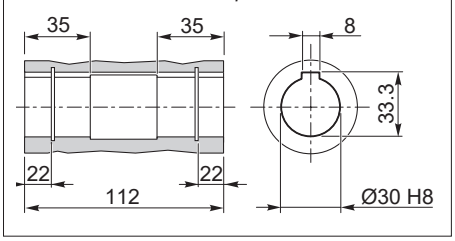

## CMB 633.. D25
## CMBIS 633.. D25

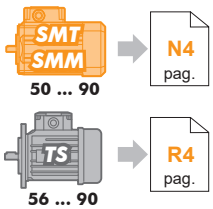
Albero uscita cavo
*Hollow output shaft*




## CMB 633.. D30
## CMBIS 633.. D30

Albero uscita cavo
*Hollow output shaft*

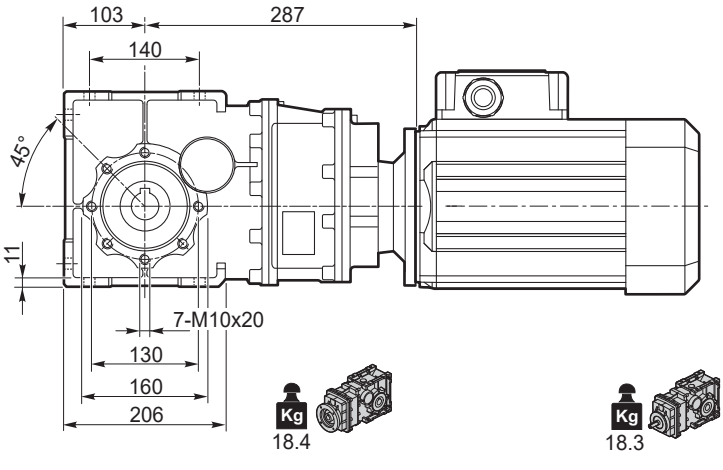


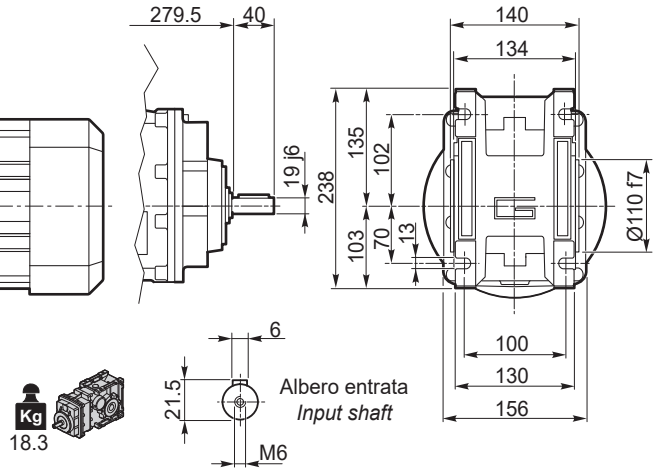
Dimensioni *Dimensions*

# CMB 903.. - CMBIS 903..

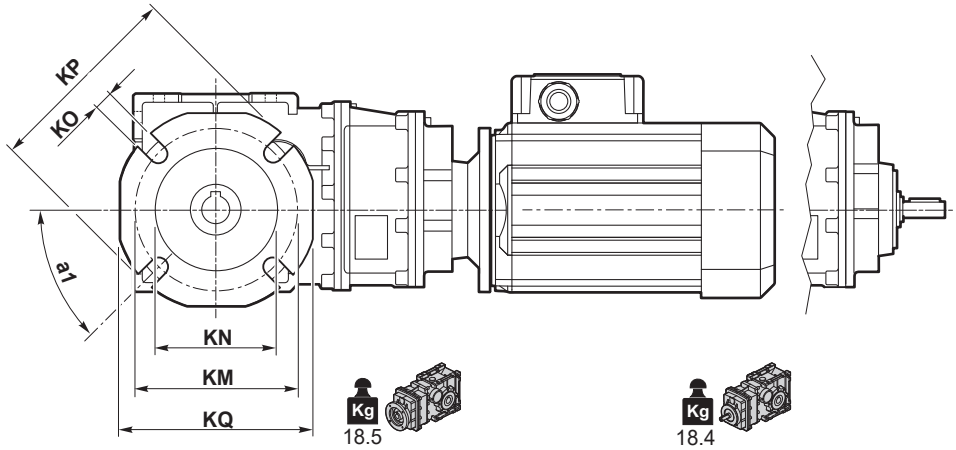
## CMB 903 U..



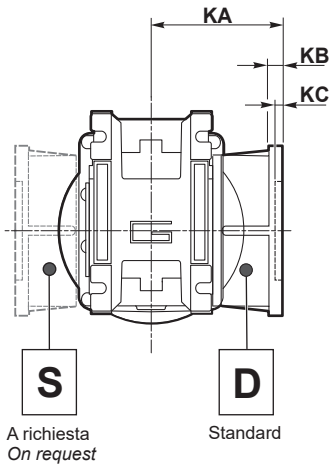

## CMBIS 903 U..




## CMB 903 F..



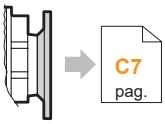

## CMBIS 903 F..




| Versione **F** / ***F** Version* | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **CMB CMBIS** | **$a_1$** | **KA** | **KB** | **KC** | **KM** | **KN** H8 | **KO** | **KP** | **KQ** | **Flangia / *Flange*** Tipo / *Type* |
| **903** | 45° | 111 | 13 | 6 | 175-188 | 152 | 14 | 210 | 200 | **F** |

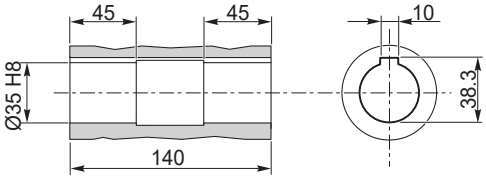
## CMB 903.. D35 - CMBIS 903.. D35

Flangia entrata
*Input flange*



C7 pag.

Albero uscita cavo
*Hollow output shaft*

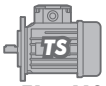






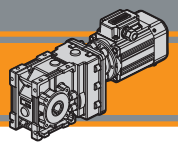
71 ... 90

N4 pag.




71 ... 112

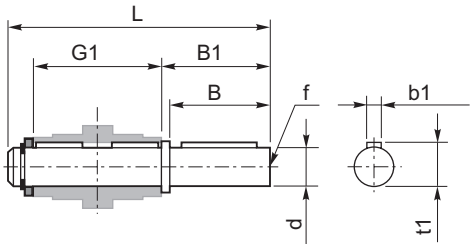
R4 pag.



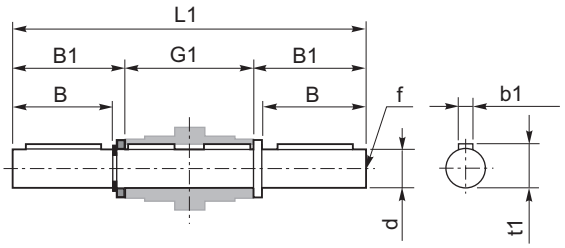


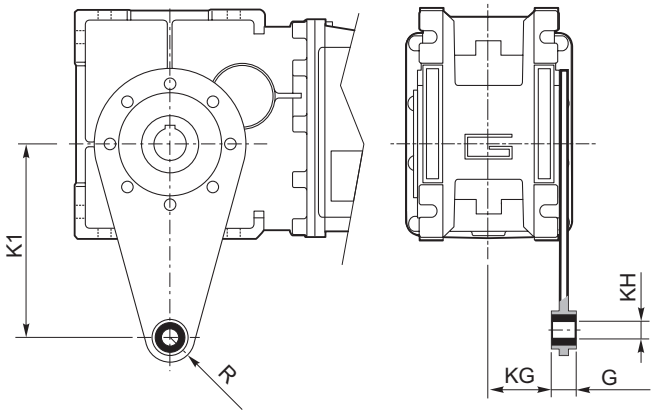


**SZ**




**DZ**



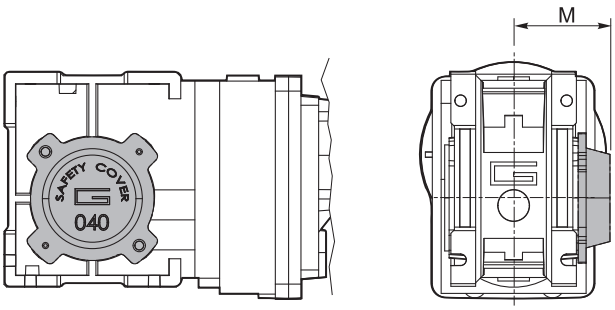

Albero lento / *Output shaft*

| CMB CMBIS | d h7 | B | B1 | G1 | L | L1 | f | b1 | t1 |
|---|---|---|---|---|---|---|---|---|---|
| **402** | 18 | 40 | 43 | 78 | 128 | 164 | M6 | 6 | 20.5 |
| **502** | 25 | 50 | 53.5 | 92 | 153 | 199 | M10 | 8 | 28 |
| **633** | 25 | 50 | 53.5 | 112 | 173 | 219 | M10 | 8 | 28 |
| **903** | 35 | 80 | 84.5 | 140 | 234 | 309 | M12 | 10 | 38 |

Braccio di reazione / *Torque arm*

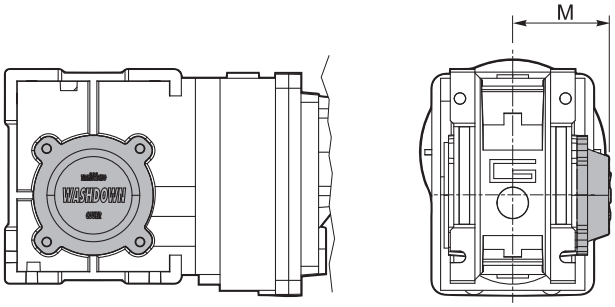
| CMB CMBIS | K1 | G | KG | KH | R |
|---|---|---|---|---|---|
| **402** | 100 | 14 | 31 | 10 | 18 |
| **502** | 100 | 14 | 38 | 10 | 18 |
| **633** | 150 | 14 | 47.5 | 10 | 18 |
| **903** | 200 | 25 | 56.5 | 20 | 30 |

## SC - *Safety cover*




| CMB CMBIS | M |
|---|---|
| **402** | 54.5 |
| **502** | 62.5 |
| **633** | 73 |
| **903** | 94 |

## WD - *Washdown cover*




| CMB CMBIS | M |
|---|---|
| **402** | 55.5 |
| **502** | 63.5 |
| **633** | 71.5 |
| **903** | 95 |

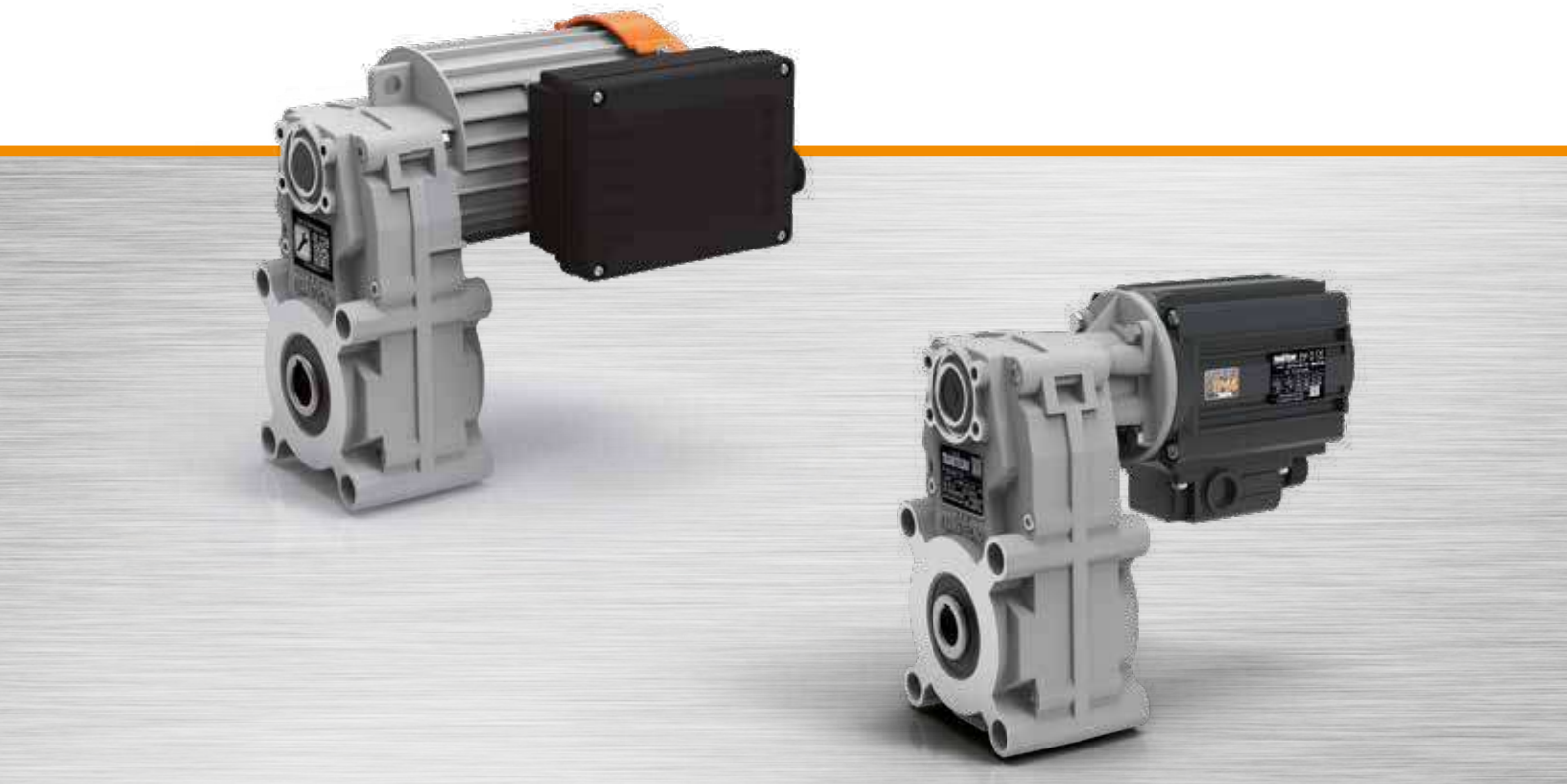
TRANSTECNO®
the modular gearmotor

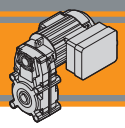
# KFT105

KFT105

KFT105 Alu

## Motoriduttori pendolari
## Helical parallel gearmotors







ENERGY SAVING


| Indice | *Index* | Pag. *Page* |
|---|---|---|
| Caratteristiche tecniche | *Technical features* | **D2** |
| Designazione | *Classification* | **D2** |
| Simbologia | *Symbols* | **D3** |
| Lubrificazione | *Lubrication* | **D3** |
| Carichi radiali | *Radial loads* | **D3** |
| Dati tecnici | *Technical data* | **D4** |
| Dati tecnici elettrici | *Electrical technical data* | **D5** |
| Dimensioni | *Dimensions* | **D6** |
| Connesioni elettriche | *Electrical connections* | **D8** |


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*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***

## Caratteristiche tecniche

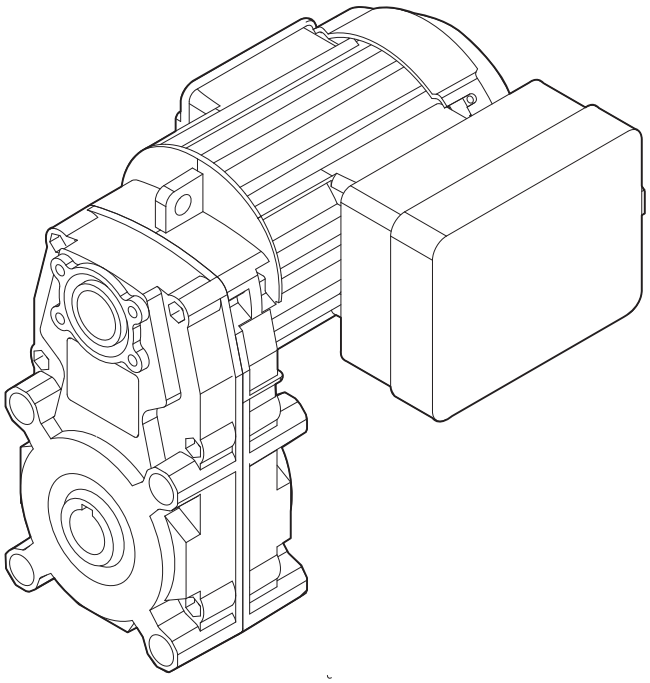
## *Technical features*

I motoriduttori pendolari della serie KFT105 hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata monofase
- Carcassa in pressofusione di alluminio
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati
- Lubrificazione permanente con olio sintetico
- Disponibili a 3 e 4 stadi di riduzione

*KFT105 helical parallel gearmotors range has the following main features:*

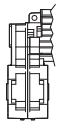
- *Compact design*
- *AC single phase motors available*
- *Die-cast aluminium housings*
- *Ground-hardened helical gears*
- *Permanent synthetic oil long-life lubrication*
- *Available with 3 and 4 reduction stages*



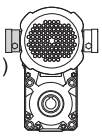
## Designazione

## *Classification*

RIDUTTORE / *GEARBOX*

| KFT | 105/3 | U | 88.87 | O20 |
|---|---|---|---|---|
| Tipo<br>*Type* | Grandezza<br>*Size* | Versione<br>*Version* | Rapporto<br>*Ratio* | Albero cavo uscita<br>*Hollow output shaft* |
| **KFT**<br>  | **105/3**<br>**105/4** | **U...**<br>**F...** | vedi tabelle<br>*see tables* | vedi tabelle<br>*see tables* |

MOTORE / *MOTOR*

| 40W | 4p | 1ph | 230 | 50Hz | T1 | TEFC |
|---|---|---|---|---|---|---|
| Potenza<br>*Power* | Poli<br>*Poles* | Fasi<br>*Phases* | Tensione<br>*Voltage* | Frequenza<br>*Frequency* | Pos. morsettiera<br>*Terminal box pos.* | Ventilazione<br>*Fan cooling* |
| vedi tabelle<br>*see tables* | **4p** | **1ph** | **230V** | **50Hz** | **T4** (Std)  **T2** | **TEFC**<br>**TENV** |

## Simbologia / *Symbols*

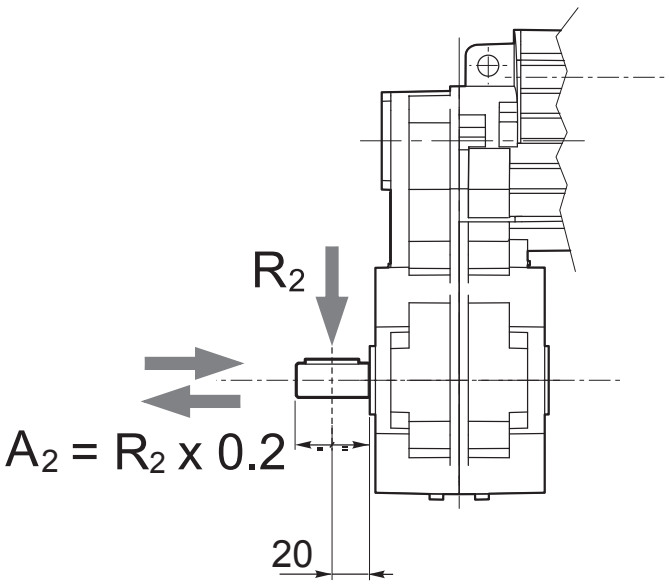
| | | |
|---|---|---|
| $n_1$ | [min$^{-1}$] | Velocità in ingresso / *Input speed* |
| $n_2$ | [min$^{-1}$] | Velocità in uscita / *Output speed* |
| i | | Rapporto di riduzione / *Ratio* |
| $P_1$ | [kW] | Potenza in entrata / *Input power* |
| $M_2$ | [Nm] | Coppia nominale in uscita in funzione di $P_1$ / *Output torque referred to $P_1$* |
| $Pn_1$ | [kW] | Potenza nominale in entrata / *Nominal input power* |
| Mn | [Nm] | Coppia nominale / *Nominal torque* |
| sf | | Fattore di servizio / *Service factor* |
| $R_2$ | [N] | Carico radiale ammissibile in uscita / *Permitted output radial load* |
| $A_2$ | [N] | Carico assiale ammissibile in uscita / *Permitted output axial load* |
| V | [N] | Tensione / *Voltage* |
| F | [Hz] | Frequenza / *Frequency* |
| $I_n$ | [A] | Corrente nominale / *Nominal current* |
| $I_s$ | [A] | Corrente di spunto / *Start current* |
| cosØ | | Fattore di potenza / *Power factor* |
| C | [µ] | Capacità del condensatore / *Capacitor* |

## 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.*

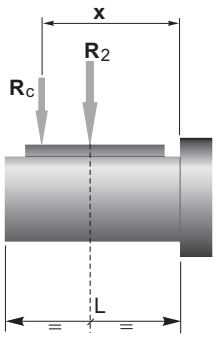
## Carichi radiali / *Radial loads*




| $n_2$ [min$^{-1}$] | $R_2$ [N] |
|---|---|
| | KFT105 |
| 70 | 1500 |
| 40 | 1700 |
| 30 | 1850 |
| 20 | 2000 |
| 10 | 2000 |
| 5 | 2000 |

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

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




| | KFT105 |
|---|---|
| a | 82 |
| b | 62 |
| $R_{2MAX}$ | 2000 |

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

$$R \leq R_c$$

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

## Dati tecnici

## *Technical data*

### 25

| $P_1$ [W] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | $M_n$ [Nm] | i | |
|---|---|---|---|---|---|---|
| | **68** | 3 | 12.1 | 40 | 20.57 | **KFT105/3** |
| | **42** | 5 | 9.4 | 50 | 33.32 | |
| | **32** | 7 | 9.1 | 65 | 44.36 | |
| | **26** | 9 | 7.4 | 65 | 54.87 | |
| | **19** | 12 | 5.6 | 65 | 71.84 | |
| | **18** | 12 | 5.3 | 65 | 77.07 | |
| | **16** | 14 | 4.6 | 65 | 88.87 | |
| | **11** | 20 | 3.2 | 65 | 124.81 | |
| | **7.7** | 29 | 2.2 | 65 | 181.35 | |
| | **6.2** | 36 | 1.8 | 65 | 224.32 | |
| | **4.4** | 51 | 1.3 | 65 | 315.05 | |
| | **3.8** | 58 | 1.1 | 65 | 368.19 | **KFT105/4** |
| | **2.6** | 84 | 0.8 | 65 | 534.98 | |
| | **2.1** | 92 | 0.7 | 65 | 661.76 | |
| | **1.5** | 92 | 0.7 | 65 | 929.40 | |

### 40

| $P_1$ [W] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | $M_n$ [Nm] | i | |
|---|---|---|---|---|---|---|
| | **68** | 5 | 7.6 | 40 | 20.57 | **KFT105/3** |
| | **42** | 9 | 5.9 | 50 | 33.32 | |
| | **32** | 11 | 5.7 | 65 | 44.36 | |
| | **26** | 14 | 4.6 | 65 | 54.87 | |
| | **19** | 18 | 3.5 | 65 | 71.84 | |
| | **18** | 20 | 3.3 | 65 | 77.07 | |
| | **16** | 23 | 2.9 | 65 | 88.87 | |
| | **11** | 32 | 2.0 | 65 | 124.81 | |
| | **7.7** | 47 | 1.4 | 65 | 181.35 | |
| | **6.2** | 58 | 1.1 | 65 | 224.32 | |
| | **4.4** | 81 | 0.8 | 65 | 315.05 | |
| | **3.8** | 92 | 0.7 | 65 | 368.19 | **KFT105/4** |
| | **2.6** | 92 | 0.7 | 65 | 534.98 | |

### 60

| $P_1$ [W] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | $M_n$ [Nm] | i | |
|---|---|---|---|---|---|---|
| | **68** | 8 | 5.1 | 40 | 20.57 | **KFT105/3** |
| | **42** | 13 | 3.9 | 50 | 33.32 | |
| | **32** | 17 | 3.8 | 65 | 44.36 | |
| | **26** | 21 | 3.1 | 65 | 54.87 | |
| | **19** | 28 | 2.4 | 65 | 71.84 | |
| | **18** | 30 | 2.2 | 65 | 77.07 | |
| | **16** | 34 | 1.9 | 65 | 88.87 | |
| | **11** | 48 | 1.4 | 65 | 124.81 | |
| | **7.7** | 70 | 0.9 | 65 | 181.35 | |
| | **6.2** | 86 | 0.8 | 65 | 224.32 | |
| | **4.4** | 92 | 0.7 | 65 | 315.05 | |

### 90

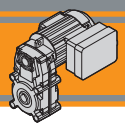
| $P_1$ [W] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | $M_n$ [Nm] | i | |
|---|---|---|---|---|---|---|
| | **68** | 12 | 3.4 | 40 | 20.57 | **KFT105/3** |
| | **42** | 19 | 2.6 | 50 | 33.32 | |
| | **32** | 26 | 2.5 | 65 | 44.36 | |
| | **26** | 32 | 2.1 | 65 | 54.87 | |
| | **19** | 41 | 1.6 | 65 | 71.84 | |
| | **18** | 44 | 1.5 | 65 | 77.07 | |
| | **16** | 51 | 1.3 | 65 | 88.87 | |
| | **11** | 72 | 0.9 | 65 | 124.81 | |
| | **7.7** | 92 | 0.7 | 65 | 181.35 | |
| | **6.2** | 92 | 0.7 | 65 | 224.32 | |

### 120

| $P_1$ [W] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | $M_n$ [Nm] | i | |
|---|---|---|---|---|---|---|
| | **68** | 16 | 2.5 | 40 | 20.57 | **KFT105/3** |
| | **42** | 26 | 2.0 | 50 | 33.32 | |
| | **32** | 34 | 1.9 | 65 | 44.36 | |
| | **26** | 42 | 1.5 | 65 | 54.87 | |
| | **19** | 55 | 1.2 | 65 | 71.84 | |
| | **18** | 59 | 1.1 | 65 | 77.07 | |
| | **16** | 68 | 1.0 | 65 | 88.87 | |
| | **11** | 92 | 0.7 | 65 | 124.81 | |

N.B.
Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio

N.B.
*Please check that the output torque M2 does not exceed the value in the grey areas*



## Dati tecnici elettrici

## *Electrical technical data*

| | $P_n$ [W] | V [V] | F [Hz] | $I_n$ [A] | $I_s$ [A] | cosØ | C [µF] |
|---|---|---|---|---|---|---|---|
| **1 Ph** | 25 | 230 | 50 | 0.42 | 0.84 | 0.87 | 6.0 |
| | 40 | | | 0.47 | 0.86 | 0.91 | 6.3 |
| | 60 | | | 0.74 | 1.50 | 0.82 | 8.0 |
| | 90 | | | 0.82 | 1.60 | 0.93 | 12.5 |
| | 120 | | | 1.38 | 3.10 | 0.81 | 14.0 |

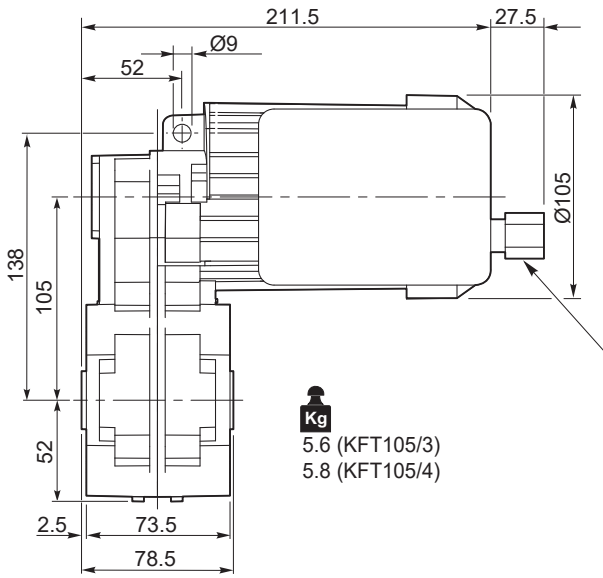
**Nota:**
La versione trifase è disponibile a richiesta.
Si prega di contattare il servizio tecnico.

***Note:***
*Three-phase version available upon request.*
*Please contact our technical service.*

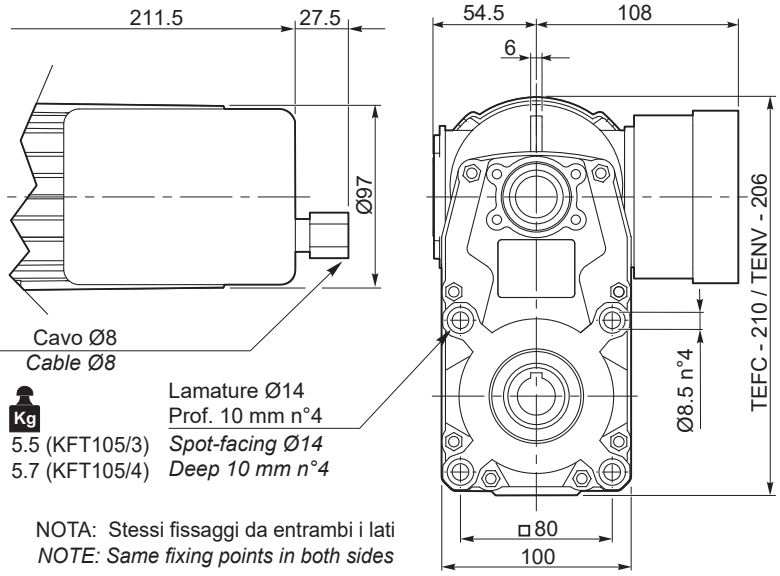
**Dimensioni** ***Dimensions***

# KFT 105... 25W - 40W - 60W - 90W

## KFT 105...1 Ph...TEFC



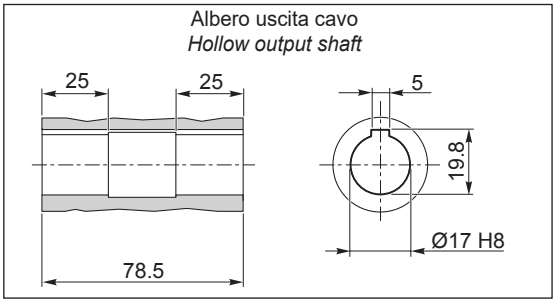

## KFT 105...1 Ph...TENV



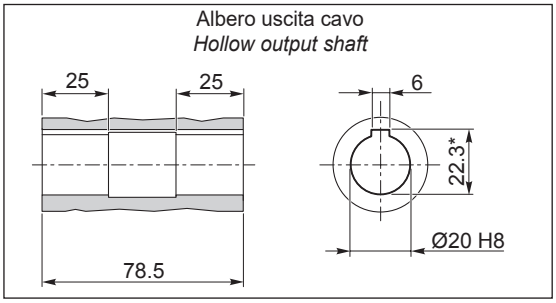

**Nota:**
La versione trifase è disponibile a richiesta.
Si prega di contattare il servizio tecnico.

***Note:***
*Three-phase version available upon request.*
*Please contact our technical service.*

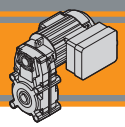
## Ø17




## Ø20



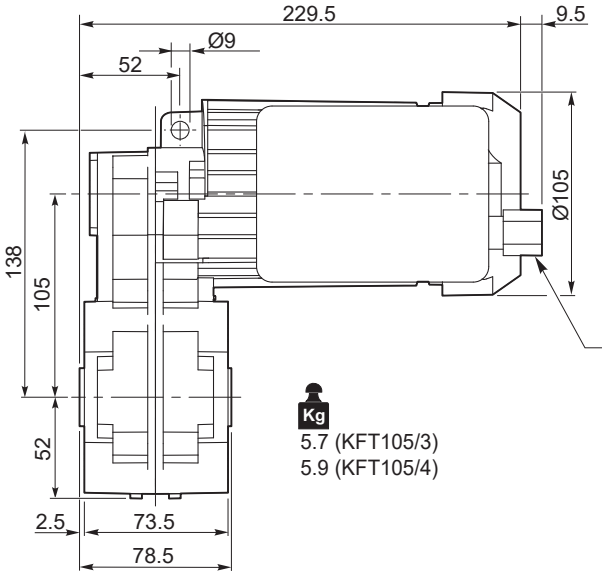

*Sede linguetta ribassata / *Special Keyway*



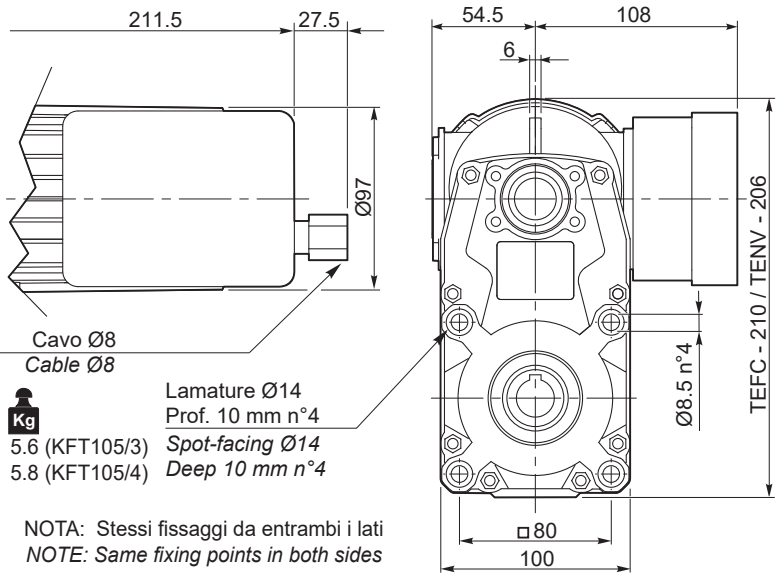


# KFT 105... 120W

## KFT 105...1 Ph... TEFC




## KFT 105...1 Ph...TENV

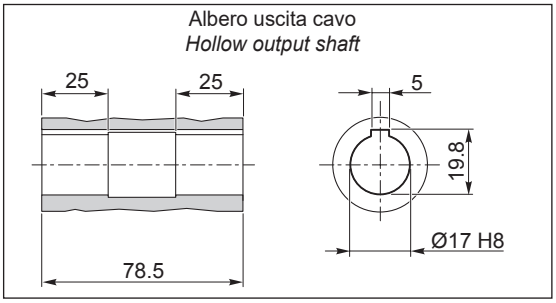



NOTA: Stessi fissaggi da entrambi i lati
*NOTE: Same fixing points in both sides*

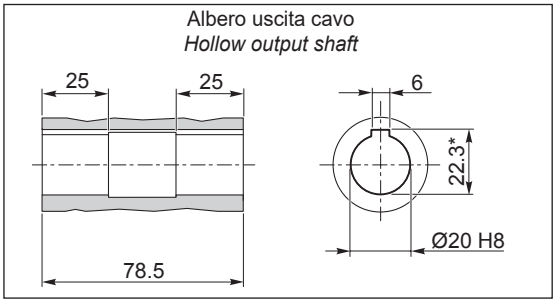
**Nota:**
La versione trifase è disponibile a richiesta.
Si prega di contattare il servizio tecnico.

***Note:***
*Three-phase version available upon request.*
*Please contact our technical service.*

### Ø17




### Ø20



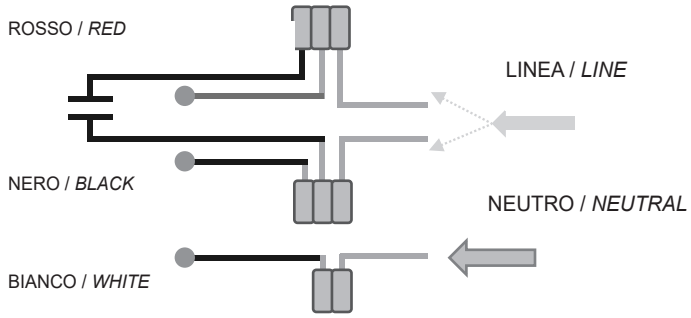

*Sede linguetta ribassata/ *Special Keyway*

## Connesioni elettriche — *Electrical connections*

**Versione 230 V 50 Hz monofase** — ***230 V 50 Hz single-phase version***

CONNETTORE WAGO / *WAGO CONNECTOR*

CONDENSATORE / *CAPACITOR*

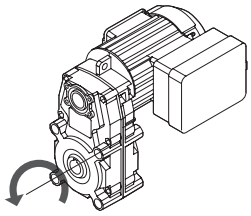



**Linea = ROSSO**
**Rapporto = 20.57 ÷ 315.05**

**Linea = NERO**
**Rapporto = 368.19 ÷ 929.40**

***Line = RED***
***Ratio = 20.57 ÷ 315.05***

***Line = BLACK***
***Ratio = 368.19 to 929.40***

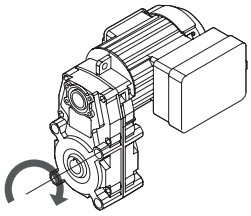


**Linea = NERO**
**Rapporto = 20.57 ÷ 315.05**

**Linea = ROSSO**
**Rapporto = 368.19 ÷ 929.40**

***Line = BLACK***
***Ratio = 20.57 ÷ 315.05***

***Linea = RED***
***Ratio = 368.19 to 929.40***



## Connesioni elettriche

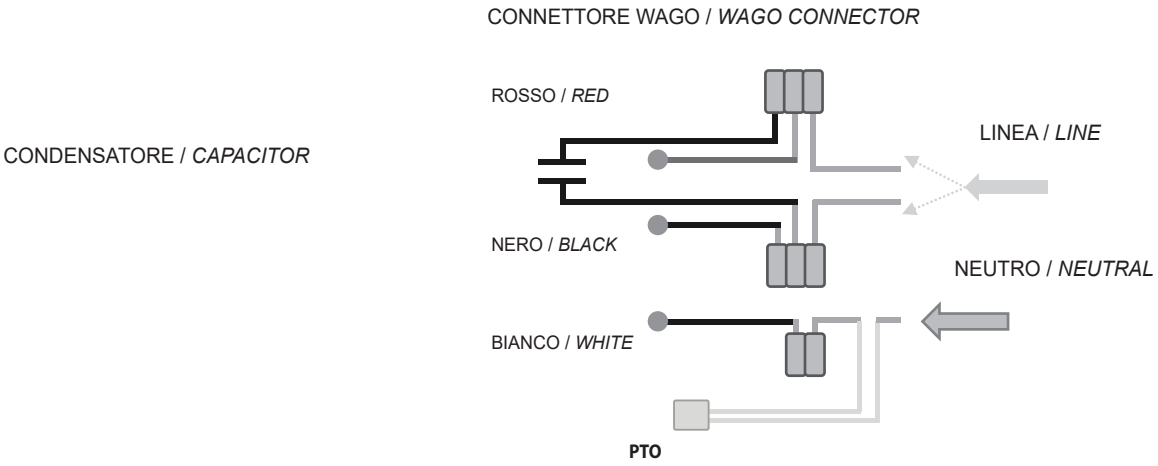
## *Electrical connections*

**Versione 230 V 50 Hz monofase**

**Nota:**
In caso serva collegare la PTO, per maggior protezione termica del motore, seguire lo schema sottostante

***230 V 50 Hz single-phase version***

***Note:***
*Should it be necessary to connect the PTO, for increased thermal protection of the motor, follow the diagram below*




Collegamento al circuito di comando del motore a cura del cliente.

*Motor supply connection by the customer.*

Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno.

*For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service.*

# Note/*Notes*

TRANSTECNO®
the modular gearmotor

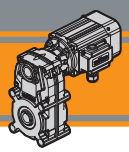
# FT

FT

FT Alu

## Motoriduttori pendolari
## Helical parallel gearmotors





ENERGY SAVING


| Indice | *Index* | Pag. *Page* |
|---|---|---|
| Caratteristiche tecniche | *Technical features* | **E2** |
| Designazione | *Classification* | **E2** |
| Sensi di rotazione | *Direction of rotation* | **E3** |
| Simbologia | *Symbols* | **E3** |
| Lubrificazione | *Lubrication* | **E3** |
| Carichi radiali | *Radial loads* | **E4** |
| Motori applicabili | *Motors adapters* | **E4** |
| Dati tecnici | *Technical data* | **E5** |
| Dimensioni | *Dimensions* | **E11** |




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*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***

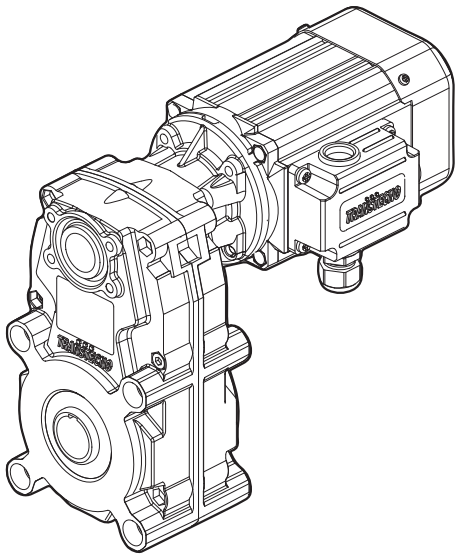
## Caratteristiche tecniche — *Technical features*

I motoriduttori pendolari della serie FT hanno le seguenti caratteristiche principali:

- Carcassa in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.

*FT helical parallel gearmotors range has the following main features:*

- *Die-cast aluminium housings*
- *Permanent synthetic oil long-life lubrication.*
- *Ground-hardened helical gears.*



## Designazione — *Classification*

RIDUTTORE / *GEARBOX*

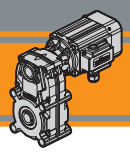
| FT | 146 | U | 60.63 | O20 | 56 | B5 |
|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Versione *Version* | Rapporto *Ratio* | Albero cavo uscita *Hollow output shaft* | IEC | Forma costruttiva *Version* |
| **FT** | **105/3**<br>**105/4**<br>**146**<br>**176**<br>**196** | **U...** | vedi tabelle *see tables* | vedi tabelle *see tables* | **56**<br>**63**<br>**71**<br>**80**<br>**90** | **B5**<br>**B14** |

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMT** | N1 pag. | **1-2-3-4-5** | **4** | **0.04 kW**<br>...<br>**2.2 kW** | **B14** | **230-400 V**<br>**460V** | **50Hz**<br>**60Hz** | **TEFC**<br>**TENV** | O1<br>P1<br>Q1<br>pag. | **T1** (Std)<br>T4 T2<br>T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMM** | N1 pag. | **1-2-3-4** | **4** | **0.04 kW**<br>...<br>**0.75 kW** | **B14** | **230V** | **50Hz** | **TEFC**<br>**TENV** | Q1 pag. | **T1** (Std)<br>T4 T2<br>T3 |



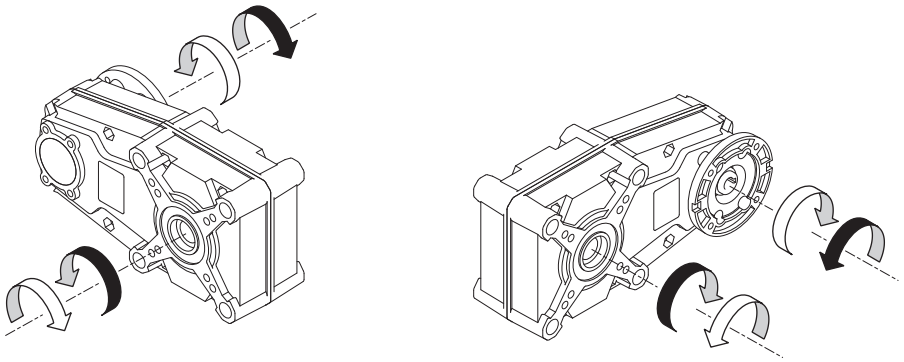
## Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

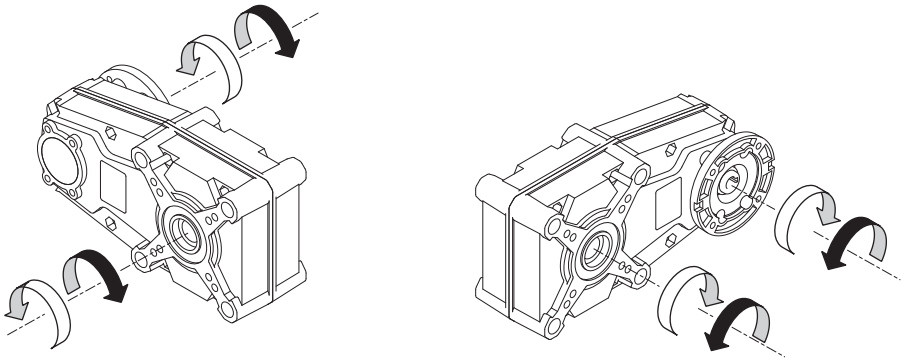
| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| TS | R1 pag. | 1-2-3-S<br>L1-L2 | 4 | 0.09 kW<br>...<br>2.2 kW | B5<br>B14 | 3 ph | 230-400 V<br>275-480 V | 50Hz<br>60Hz | T1 (Std)<br>T4 T2<br>T3 |

## Sensi di rotazione — *Direction of rotation*

**FT105/3**
**FT146**
**FT176**
**FT196**



**FT105/4**



## Simbologia — *Symbols*

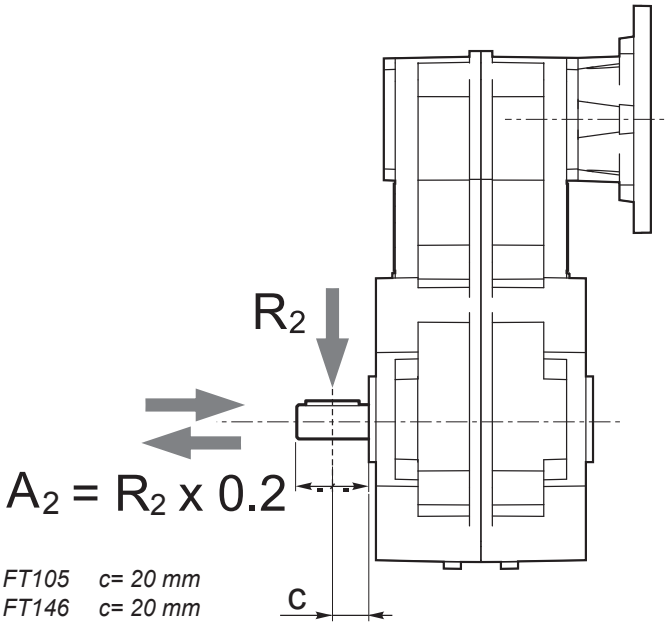
| | | |
|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* |
| i | | Rapporto di riduzione / *Ratio* |
| $P_1$ | [kW] | Potenza in entrata / *Input power* |
| $M_2$ | [Nm] | Coppia nominale in uscita in funzione di $P_1$ / *Output torque referred to* $P_1$ |
| $Pn_1$ | [kW] | Potenza nominale in entrata / *Nominal input power* |
| $Mn_2$ | [Nm] | Coppia nominale in uscita in funzione di $Pn_1$ / *Nominal output torque referred to* $Pn_1$ |
| sf | | Fattore di servizio / *Service factor* |
| $R_2$ | [N] | Carico radiale ammissibile in uscita / *Permitted output radial load* |
| $A_2$ | [N] | Carico assiale ammissibile in uscita / *Permitted output axial load* |
| Kg | [kg] | Peso del solo riduttore / *Weight of the gearbox only* |

## 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*

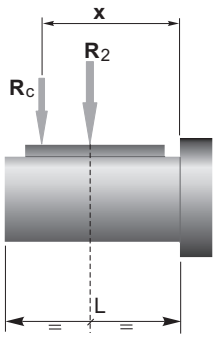



*FT105 c= 20 mm*
*FT146 c= 20 mm*
*FT176 c= 25 mm*
*FT196 c= 30 mm*

| $n_2$ [$min^{-1}$] | $R_2$ [N] | | | |
|---|---|---|---|---|
| | FT105 | FT146 | FT176 | FT196 |
| 70 | 1500 | 2500 | 3000 | 3500 |
| 40 | 1700 | 2700 | 3500 | 4000 |
| 30 | 1850 | 2850 | 4000 | 4600 |
| 20 | 2000 | 3000 | 4500 | 5500 |
| 10 | 2000 | 3000 | 5000 | 7000 |
| 5 | 2000 | 3000 | 5000 | 7000 |

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

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




| | FT105 | FT146 | FT176 | FT196 |
|---|---|---|---|---|
| a | 82 | 82,5 | 115 | 132 |
| b | 62 | 62,5 | 90 | 102 |
| $R_{2MAX}$ | 2000 | 3000 | 5000 | 7000 |

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

$$R \leq R_c$$

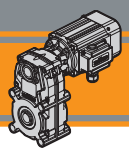
*a, b = valori riportati nella tabella*
*a, b = values given in the table*

## Motori applicabili — *Motors adapters*

| FT | SMT | | | | | | SMM | | | | | TS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5444 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 |
| 105 | ■ | ■ | | | | | ■ | ■ | | | | ■ | | | | |
| 146 | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | | |
| 176 | | | ■ | ■ | ■ | | | | ■ | ■ | ■ | | ■ | ■ | ■ | |
| 196 | | | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | | ■ | ■ | ■ | ■ |

**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.*



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

| | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* 56B14 | 56 B5/B14 | 63 B5/B14 | 71 B5/B14 |
|---|---|---|---|---|---|---|---|---|
| **FT105** | | | | | | | | |
| **FT105/3** | **68** | 40 | 0.30 | 20.57 | | | | |
| | **42** | 50 | 0.23 | 33.32 | | | | |
| | **32** | 65 | 0.23 | 44.36 | | | | |
| | **26** | 65 | 0.18 | 54.87 | | | | |
| | **20** | 65 | 0.14 | 71.84 | | | | |
| | **18** | 65 | 0.13 | 77.07 | | | | |
| | **16** | 65 | 0.11 | 88.87 | | | | |
| | **11** | 65 | 0.081 | 124.81 | | | | |
| | **7.7** | 65 | 0.056 | 181.35 | | | | |
| | **6.2** | 65 | 0.045 | 224.32 | | | | |
| | **4.4** | 65 | 0.032 | 315.05 | | | | |
| **FT105/4** | **3.8** | 65 | 0.028 | 368.19 | | | | |
| | **2.6** | 65 | 0.019 | 534.98 | | | | |
| | **2.1** | 65 | 0.015 | 661.76 | | | | |
| | **1.5** | 65 | 0.011 | 929.40 | | | | |
| **FT146** | | | | | | | | |
| | **75** | 80 | 0.65 | 18.75 | | | | |
| | **61** | | 0.53 | 22.89 | | | | |
| | **53** | | 0.47 | 26.17 | | | | |
| | **50** | | 0.43 | 28.26 | | | | |
| | **40** | 100 | 0.44 | 35.07 | | | | |
| | **35** | | 0.39 | 39.44 | | | | |
| | **30** | | 0.33 | 46.44 | | | | |
| | **26** | | 0.29 | 52.86 | | | | |
| | **23** | 110 | 0.28 | 60.63 | | | | |
| | **20** | | 0.24 | 70.00 | | | | |
| | **19** | | 0.23 | 74.02 | | | | |
| | **17** | | 0.20 | 84.63 | | | | |
| | **15** | | 0.18 | 95.61 | | | | |
| | **12** | | 0.15 | 113.40 | | | | * |
| | **10** | | 0.13 | 133.45 | | | | * |
| | **9.3** | | 0.11 | 150.18 | | | | * |
| | **8.7** | 120 | 0.11 | 160.43 | | | | * |
| | **7.8** | | 0.10 | 178.83 | | | | * |
| | **7.1** | | 0.09 | 195.85 | | | | * |
| | **6.3** | | 0.082 | 223.92 | | | | * |
| | **5.9** | | 0.077 | 236.83 | | | * | * |
| | **4.7** | | 0.061 | 300.07 | | | * | * |
| | **3.5** | | 0.046 | 397.38 | | | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

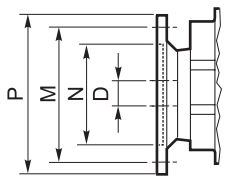
*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle pag. E7.

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

*** =** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page E7.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | |
|---|---|---|---|---|---|---|
| | **56 B5** | **56 B14** | **63 B5** | **63 B14** | **71 B5** | **71 B14** |
| **N** | 80 | 50 | 95 | 60 | 110 | 70 |
| **M** | 100 | 65 | 115 | 75 | 130 | 85 |
| **P** | 120 | 80 | 140 | 90 | 160 | 105 |
| | 9 | | 11 | | 14 | |

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

| | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* | | | |
|---|---|---|---|---|---|---|---|---|
| **FT176** | | | | | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** | |
| | **97** | 140 | 1.51 | 14.49 | | | | |
| | **81** | 150 | 1.35 | 17.31 | | | | |
| | **67** | 160 | 1.19 | 20.97 | | | | |
| | **57** | 180 | 1.14 | 24.56 | | | | |
| | **48** | 180 | 0.96 | 29.33 | | | | |
| | **40** | 190 | 0.85 | 34.62 | | | | |
| | **37** | 190 | 0.79 | 37.50 | | | | |
| | **34** | 200 | 0.75 | 41.35 | | | | |
| | **31** | 210 | 0.73 | 44.79 | | | | |
| | **28** | 220 | 0.68 | 50.10 | | | | |
| | **26** | 230 | 0.66 | 54.26 | | | | |
| | **22** | 230 | 0.56 | 63.55 | | | | |
| | **18** | 250 | 0.51 | 75.90 | | | | |
| | **16.4** | 250 | 0.46 | 85.40 | | | | |
| | **15.6** | 280 | 0.49 | 89.60 | | | | |
| | **13** | 290 | 0.42 | 107.02 | | | | |
| | **11** | 300 | 0.37 | 126.92 | | | * | |
| | **9.7** | | 0.32 | 144.74 | | | * | |
| | **8.6** | | 0.29 | 163.25 | | | * | |
| | **6.9** | | 0.23 | 204.08 | | | * | |
| | **6.5** | | 0.22 | 215.11 | | | * | |
| | **5.1** | | 0.17 | 276.68 | | * | * | |
| | **4.6** | | 0.15 | 303.29 | | * | * | |
| | **3.6** | | 0.12 | 390.11 | | * | * | |

| **FT196** | | | | | **63 B5/B14** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** |
|---|---|---|---|---|---|---|---|---|
| | **69** | 350 | 2.6 | 20.41 | | | | |
| | **40** | 400 | 1.8 | 34.81 | | | | |
| | **33** | 450 | 1.6 | 42.61 | | | | |
| | **24** | 500 | 1.3 | 59.36 | | | | |
| | **19** | 550 | 1.1 | 72.68 | | | | |
| | **15** | | 0.92 | 92.82 | | | | |
| | **11** | | 0.69 | 123.95 | | | | |
| | **8.9** | | 0.51 | 158.02 | | | | |
| | **6.9** | | 0.42 | 201.80 | | | | |
| | **5.2** | | 0.32 | 269.47 | | | | |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.

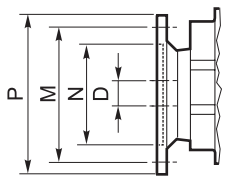
*** =** Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle pag. E7.

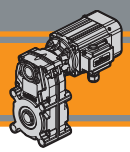
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*

*** =** *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page E7.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **63 B5** | **63 B14** | **71 B5** | **71 B14** | **80 B5** | **80 B14** | **90 B5** | **90 B14** |
| **N** | 95 | 60 | 110 | 70 | 130 | 80 | 130 | 95 |
| **M** | 115 | 75 | 130 | 85 | 165 | 100 | 165 | 115 |
| **P** | 140 | 90 | 160 | 105 | 200 | 120 | 200 | 140 |
| | 11 | | 14 | | 19 | | 24 | |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.04** | | | | | |
| SMT5014 | **68** | 5 | 7.6 | 20.57 | **FT105/3** |
| SMM5014 | **42** | 9 | 5.9 | 33.32 | |
| (1400 min$^{-1}$) | **32** | 11 | 5.7 | 44.36 | |
| SMT SMM | **26** | 14 | 4.6 | 54.87 | |
| | **19** | 18 | 3.5 | 71.84 | |
| | **18** | 20 | 3.3 | 77.07 | |
| | **16** | 23 | 2.9 | 88.87 | |
| | **11** | 32 | 2.0 | 124.81 | |
| | **7.7** | 47 | 1.4 | 181.35 | |
| | **6.2** | 58 | 1.1 | 224.32 | |
| | **4.4** | 81 | 0.8 | 315.05 | |
| | **3.8** | 92 | 0.7 | 368.19 | **FT105/4** |
| | **2.6** | 92 | 0.7 | 534.98 | |
| | **2.1** | 92 | 0.7 | 661.78 | |
| | **1.5** | 92 | 0.7 | 929.40 | |
| | **17** | 22 | 5.1 | 84.63 | **FT146** |
| | **15** | 25 | 4.5 | 95.61 | |
| | **12** | 29 | 3.8 | 113.40 | |
| | **10** | 34 | 3.2 | 133.45 | |
| | **9.3** | 39 | 2.9 | 150.18 | |
| | **8.7** | 41 | 2.9 | 160.43 | |
| | **7.8** | 46 | 2.6 | 178.83 | |
| | **7.1** | 50 | 2.4 | 195.85 | |
| | **6.3** | 57 | 2.1 | 223.92 | |
| | **5.9** | 61 | 2.0 | 236.83 | |
| | **4.7** | 77 | 1.6 | 300.07 | |
| | **3.5** | 102 | 1.2 | 397.38 | |
| **0.06** | | | | | |
| SMT5024 | **68** | 8 | 5.1 | 20.57 | **FT105/3** |
| SMM5024 | **42** | 13 | 3.9 | 33.32 | |
| (1400 min$^{-1}$) | **32** | 17 | 3.8 | 44.36 | |
| SMT SMM | **26** | 21 | 3.1 | 54.87 | |
| | **19** | 28 | 2.4 | 71.84 | |
| | **18** | 30 | 2.2 | 77.07 | |
| | **16** | 34 | 1.9 | 88.87 | |
| | **11** | 48 | 1.4 | 124.81 | |
| | **7.7** | 70 | 0.9 | 181.35 | |
| | **6.2** | 86 | 0.8 | 224.32 | |
| | **26** | 20 | 4.9 | 52.86 | **FT146** |
| | **23** | 23 | 4.7 | 60.63 | |
| | **20** | 27 | 4.1 | 70.00 | |
| | **19** | 28 | 3.9 | 74.02 | |
| | **17** | 33 | 3.4 | 84.63 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.06** | | | | | |
| SMT5024 | **15** | 37 | 3.0 | 95.61 | |
| SMM5024 | **12** | 44 | 2.5 | 113.40 | |
| (1400 min$^{-1}$) | **10** | 51 | 2.1 | 133.45 | |
| SMT SMM | **9.3** | 58 | 1.9 | 150.18 | |
| | **8.7** | 62 | 1.9 | 160.43 | |
| | **7.8** | 69 | 1.7 | 178.83 | |
| | **7.1** | 75 | 1.6 | 195.85 | |
| | **6.3** | 86 | 1.4 | 223.92 | |
| | **5.9** | 91 | 1.3 | 236.83 | |
| | **4.7** | 115 | 1.0 | 300.07 | |
| | **3.5** | 153 | 0.8 | 397.38 | |
| **0.09** | | | | | |
| SMT5034 | **68** | 12 | 3.4 | 20.57 | **FT105/3** |
| SMM5034 | **42** | 19 | 2.6 | 33.32 | |
| SMT5624 | **32** | 26 | 2.5 | 44.36 | |
| SMM5624 | **26** | 32 | 2.1 | 54.87 | |
| (1400 min$^{-1}$) | **20** | 41 | 1.6 | 71.84 | |
| SMT SMM | **18** | 44 | 1.5 | 77.07 | |
| | **16** | 51 | 1.3 | 88.87 | |
| | **11** | 72 | 0.9 | 124.81 | |
| TS5624 | | | | | |
| (1400 min$^{-1}$) | **75** | 11 | 7.4 | 18.75 | **FT146** |
| | **61** | 13 | 6.1 | 22.89 | |
| | **53** | 15 | 5.3 | 26.17 | |
| | **50** | 16 | 4.9 | 28.26 | |
| | **40** | 20 | 4.9 | 35.07 | |
| | **35** | 23 | 4.4 | 39.44 | |
| | **30** | 27 | 3.7 | 46.44 | |
| | **27** | 31 | 3.3 | 52.86 | |
| | **23** | 35 | 3.1 | 60.63 | |
| | **20** | 40 | 2.7 | 70.00 | |
| | **19** | 43 | 2.6 | 74.02 | |
| | **17** | 49 | 2.3 | 84.63 | |
| | **15** | 55 | 2.0 | 95.61 | |
| | **12** | 65 | 1.7 | 113.40 | |
| | **10** | 77 | 1.4 | 133.45 | |
| | **9.3** | 87 | 1.3 | 150.18 | |
| | **8.7** | 93 | 1.3 | 160.43 | |
| | **7.8** | 103 | 1.2 | 178.83 | |
| | **7.1** | 113 | 1.1 | 195.85 | |
| | **6.3** | 129 | 0.9 | 223.92 | |
| | **5.9** | 137 | 0.9 | 236.83 | |
| **0.12** | | | | | |
| SMT5044 | **68** | 16 | 2.5 | 20.57 | **FT105/3** |
| SMT5634 | **42** | 26 | 2.0 | 33.32 | |
| SMM5634 | **32** | 34 | 1.9 | 44.36 | |
| (1400 min$^{-1}$) | **26** | 42 | 1.5 | 54.87 | |
| SMT SMM | **19** | 55 | 1.2 | 71.84 | |
| | **18** | 59 | 1.1 | 77.07 | |
| | **16** | 68 | 1.0 | 88.87 | |

N.B.
Verificare sempre che la coppia M2 utilizzata non ecceda il valore indicato nelle caselle in grigio

N.B.
*Please check that the output torque M2 does not exceed the value in the grey areas*

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 5014<br>5024<br>5034<br>5044 | 5624<br>5634 | 5014<br>5024<br>5034 | 5624<br>5634 | 5624 | 6314 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 | 63 B5 / B14 |

## Dati tecnici — *Technical data*

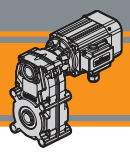
| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.12** | | | | | |
| SMT5044<br>SMT5634<br>SMM5634<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6314<br>(1400 min$^{-1}$) | **75** | 14 | 5.5 | 18.75 | **FT146** |
| | **61** | 18 | 4.5 | 22.89 | |
| | **53** | 20 | 4.0 | 26.17 | |
| | **50** | 22 | 3.7 | 28.26 | |
| | **40** | 27 | 3.7 | 35.07 | |
| | **35** | 30 | 3.3 | 39.44 | |
| | **30** | 36 | 2.8 | 46.44 | |
| | **26** | 41 | 2.5 | 52.86 | |
| | **23** | 47 | 2.4 | 60.63 | |
| | **20** | 54 | 2.0 | 70.00 | |
| | **19** | 57 | 1.9 | 74.02 | |
| | **17** | 65 | 1.7 | 84.63 | |
| | **15** | 74 | 1.5 | 95.61 | |
| | **12** | 87 | 1.3 | 113.40 | |
| | **10** | 103 | 1.1 | 133.45 | |
| | **9.3** | 116 | 1.0 | 150.18 | |
| | **8.7** | 123 | 1.0 | 160.43 | |
| | **7.8** | 138 | 0.9 | 178.83 | |
| | **7.1** | 151 | 0.8 | 195.85 | |
| TS6314<br>(1400 min$^{-1}$) | **22** | 49 | 4.7 | 63.55 | **FT176** |
| | **18** | 58 | 4.3 | 75.90 | |
| | **16.4** | 66 | 3.8 | 85.40 | |
| | **15.6** | 69 | 4.1 | 89.60 | |
| | **13** | 82 | 3.5 | 107.02 | |
| | **11** | 98 | 3.1 | 126.92 | |
| | **9.7** | 111 | 2.7 | 144.74 | |
| | **8.6** | 126 | 2.4 | 163.25 | |
| | **6.9** | 157 | 1.9 | 204.08 | |
| | **6.5** | 166 | 1.8 | 215.11 | |
| | **5.1** | 213 | 1.4 | 276.68 | |
| | **4.6** | 233 | 1.3 | 303.29 | |
| | **3.6** | 300 | 1.0 | 390.11 | |
| **0.18** | | | | | |
| SMT5644<br>SMM5644<br>(1400 min$^{-1}$)<br>SMT SMM | **68** | 24 | 1.7 | 20.57 | **FT105/3** |
| | **42** | 38 | 1.3 | 33.32 | |
| | **32** | 51 | 1.3 | 44.36 | |
| | **26** | 63 | 1.0 | 54.87 | |
| | **19** | 83 | 0.8 | 71.84 | |
| SMT5644<br>SMT6324<br>SMM5644<br>SMM6324<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6324<br>(1400 min$^{-1}$) | **75** | 22 | 3.7 | 18.75 | **FT146** |
| | **61** | 26 | 3.0 | 22.89 | |
| | **53** | 30 | 2.6 | 26.17 | |
| | **50** | 33 | 2.5 | 28.26 | |
| | **40** | 40 | 2.5 | 35.07 | |
| | **35** | 46 | 2.2 | 39.44 | |
| | **30** | 54 | 1.9 | 46.44 | |
| | **26** | 61 | 1.6 | 52.86 | |
| | **23** | 70 | 1.6 | 60.63 | |
| | **20** | 81 | 1.4 | 70.00 | |
| | **19** | 85 | 1.3 | 74.02 | |
| | **17** | 98 | 1.1 | 84.63 | |
| | **15** | 110 | 1.0 | 95.61 | |
| | **12** | 131 | 0.8 | 113.40 | |

## *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.18** | | | | | |
| SMT6324<br>SMM6324<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6324<br>(1400 min$^{-1}$) | **31** | 52 | 4.1 | 44.79 | **FT176** |
| | **28** | 58 | 3.8 | 50.10 | |
| | **26** | 63 | 3.7 | 54.26 | |
| | **22** | 73 | 3.1 | 63.55 | |
| | **18** | 88 | 2.9 | 75.90 | |
| | **16.4** | 99 | 2.5 | 85.40 | |
| | **15.6** | 103 | 2.7 | 89.60 | |
| | **13** | 124 | 2.3 | 107.02 | |
| | **11** | 146 | 2.0 | 126.92 | |
| | **9.7** | 167 | 1.8 | 144.74 | |
| | **8.6** | 188 | 1.6 | 163.25 | |
| | **6.9** | 236 | 1.3 | 204.08 | |
| | **6.5** | 248 | 1.2 | 215.11 | |
| | **5.1** | 319 | 0.9 | 276.68 | |
| | **4.6** | 350 | 0.9 | 303.29 | |
| | **8.9** | 182 | 3,0 | 158,02 | **FT196** |
| | **6.9** | 233 | 2,4 | 201,80 | |
| | **5.2** | 311 | 1,8 | 269,47 | |
| **0.25** | | | | | |
| SMT5654<br>(1400 min$^{-1}$)<br>SMT SMM | **68** | 33 | 1.2 | 20.57 | **FT105/3** |
| | **42** | 53 | 0.9 | 33.32 | |
| | **32** | 71 | 0.9 | 44.36 | |
| SMT5654<br>SMT6334<br>SMM6334<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6334<br>TS7114<br>(1400 min$^{-1}$) | **75** | 30 | 2.7 | 18.75 | **FT146** |
| | **61** | 37 | 2.2 | 22.89 | |
| | **53** | 42 | 1.9 | 26.17 | |
| | **50** | 45 | 1.8 | 28.26 | |
| | **40** | 56 | 1.8 | 35.07 | |
| | **35** | 63 | 1.6 | 39.44 | |
| | **30** | 74 | 1.3 | 46.44 | |
| | **26** | 85 | 1.2 | 52.86 | |
| | **23** | 97 | 1.1 | 60.63 | |
| | **20** | 112 | 1.0 | 70.00 | |
| | **19** | 119 | 0.9 | 74.02 | |
| | **17** | 136 | 0.8 | 84.63 | |
| SMT6334<br>SMM6334<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6334<br>TS7114<br>(1400 min$^{-1}$) | **57** | 39 | 4.6 | 24.56 | **FT176** |
| | **48** | 47 | 3.8 | 29.33 | |
| | **40** | 56 | 3.4 | 34.62 | |
| | **37** | 60 | 3.2 | 37.50 | |
| | **34** | 66 | 3.0 | 41.35 | |
| | **31** | 72 | 2.9 | 44.79 | |
| | **28** | 80 | 2.7 | 50.10 | |
| | **26** | 87 | 2.6 | 54.26 | |
| | **22** | 102 | 2.3 | 63.55 | |
| | **18** | 122 | 2.1 | 75.90 | |
| | **16.4** | 137 | 1.8 | 85.40 | |
| | **15.6** | 144 | 1.9 | 89.60 | |
| | **13** | 172 | 1.7 | 107.02 | |
| | **11** | 203 | 1.5 | 126.92 | |
| | **9.7** | 232 | 1.3 | 144.74 | |
| | **8.6** | 262 | 1.1 | 163.25 | |
| | **6.9** | 327 | 0.9 | 204.08 | |
| | **6.5** | 345 | 0.9 | 215.11 | |

IEC

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 5644<br>5654 | 6324<br>6334<br>6344 | 5644 | 6334<br>6344 | 6324<br>6334 | 7114 |
| IEC | 56 B14 | 63 B14 | 56 B14 | 63 B14 | 63 B5 / B14 | 71 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.25** | | | | | |
| SMT6334<br>SMM6334<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS6334<br>TS7114<br>(1400 min$^{-1}$) | **15.1**<br>**11.3**<br>**8.9**<br>**6.9**<br>**5.2** | 149<br>199<br>253<br>323<br>432 | 3.7<br>2.8<br>2.2<br>1.7<br>1.3 | 92.82<br>123.95<br>158.02<br>201.80<br>269.47 | **FT196** |
| **0.37** | | | | | |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7124<br>(1400 min$^{-1}$) | **75**<br>**61**<br>**53**<br>**50**<br>**40**<br>**35**<br>**30**<br>**26**<br>**23** | 44<br>54<br>62<br>67<br>83<br>94<br>110<br>125<br>144 | 1.8<br>1.5<br>1.3<br>1.2<br>1.2<br>1.1<br>0.9<br>0.8<br>0.8 | 18.75<br>22.89<br>26.17<br>28.26<br>35.07<br>39.44<br>46.44<br>52.86<br>60.63 | **FT146** |
| SMT6344<br>SMT7124<br>SMM7124<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7124<br>(1400 min$^{-1}$) | **97**<br>**81**<br>**67**<br>**57**<br>**48**<br>**40**<br>**37**<br>**34**<br>**31**<br>**28**<br>**26**<br>**22**<br>**18**<br>**16.4**<br>**15.6**<br>**13**<br>**11**<br>**9.7** | 34<br>41<br>50<br>58<br>70<br>82<br>89<br>98<br>106<br>119<br>129<br>151<br>180<br>203<br>213<br>254<br>301<br>343 | 4.1<br>3.7<br>3.2<br>3.1<br>2.6<br>2.3<br>2.1<br>2.0<br>2.0<br>1.9<br>1.8<br>1.5<br>1.4<br>1.2<br>1.3<br>1.1<br>1.0<br>0.9 | 14.49<br>17.31<br>20.97<br>24.56<br>29.33<br>34.62<br>37.50<br>41.35<br>44.79<br>50.10<br>54.26<br>63.55<br>75.90<br>85.40<br>89.60<br>107.02<br>126.92<br>144.74 | **FT176** |
| SMT6344<br>SMM7124<br>SMT7124<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7124<br>(1400 min$^{-1}$) | **24**<br>**19**<br>**15**<br>**11**<br>**8.9**<br>**6.9**<br>**5.2** | 141<br>172<br>220<br>294<br>375<br>479<br>639 | 3.6<br>3.2<br>2.5<br>1.9<br>1.5<br>1.1<br>0.9 | 59.36<br>72.68<br>92.82<br>123.95<br>158.02<br>201.80<br>269.47 | **FT196** |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.55** | | | | | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>(1400 min$^{-1}$) | **75**<br>**61**<br>**53**<br>**50**<br>**40** | 66<br>81<br>92<br>100<br>124 | 1.2<br>1.0<br>0.9<br>0.8<br>0.8 | 18.75<br>22.89<br>26.17<br>28.26<br>35.07 | **FT146** |
| **0.55** | | | | | |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>TS8014<br>(1400 min$^{-1}$) | **97**<br>**81**<br>**67**<br>**57**<br>**48**<br>**40**<br>**37**<br>**34**<br>**31**<br>**28**<br>**26**<br>**22**<br>**18**<br>**16.4**<br>**15.6** | 51<br>61<br>74<br>87<br>103<br>122<br>132<br>146<br>158<br>177<br>191<br>224<br>268<br>301<br>316 | 2.7<br>2.5<br>2.2<br>2.1<br>1.7<br>1.6<br>1.4<br>1.4<br>1.3<br>1.2<br>1.2<br>1.0<br>0.9<br>0.8<br>0.9 | 14.49<br>17.31<br>20.97<br>24.56<br>29.33<br>34.62<br>37.50<br>41.35<br>44.79<br>50.10<br>54.26<br>63.55<br>75.90<br>85.40<br>89.60 | **FT176** |
| SMT7134<br>SMM7134<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7134<br>TS8014<br>(1400 min$^{-1}$) | **69**<br>**40**<br>**33**<br>**24**<br>**19**<br>**15**<br>**11**<br>**8.9**<br>**6.9** | 72<br>123<br>150<br>209<br>255<br>327<br>437<br>557<br>712 | 4.9<br>3.2<br>3.0<br>2.4<br>2.1<br>1.7<br>1.3<br>1.0<br>0.8 | 20.41<br>34.81<br>42.61<br>59.36<br>72.68<br>92.82<br>123.95<br>158.02<br>201.80 | **FT196** |
| **0.75** | | | | | |
| SMT7144<br>SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7144<br>TS8024<br>(1400 min$^{-1}$) | **97**<br>**81**<br>**67**<br>**57**<br>**48**<br>**40**<br>**37**<br>**34**<br>**31**<br>**28**<br>**26** | 70<br>83<br>101<br>118<br>141<br>167<br>180<br>199<br>215<br>241<br>261 | 2.0<br>1.8<br>1.6<br>1.5<br>1.3<br>1.1<br>1.1<br>1.0<br>1.0<br>0.9<br>0.9 | 14.49<br>17.31<br>20.97<br>24.56<br>29.33<br>34.62<br>37.50<br>41.35<br>44.79<br>50.10<br>54.26 | **FT176** |

IEC

| Motori *Motors* | SMT | | | SMM | | TS | |
|---|---|---|---|---|---|---|---|
| | 6344 | 7124<br>7134<br>7144 | 8024 | 7124<br>7134 | 8024 | 7124<br>7134 | 8014<br>8024 |
| IEC | 63 B14 | 71 B14 | 80 B14 | 71 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 |

## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.75** | | | | | |
| SMT7144<br>SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS7144<br>TS8024<br>(1400 min$^{-1}$) | **69**<br>**40**<br>**33**<br>**24**<br>**19**<br>**15**<br>**11** | 98<br>167<br>205<br>285<br>350<br>446<br>596 | 3.6<br>2.4<br>2.2<br>1.8<br>1.6<br>1.2<br>0.9 | 20.41<br>34.81<br>42.61<br>59.36<br>72.68<br>92.82<br>123.95 | **FT196** |
| **1.1** | | | | | |
| SMT8034 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS8034<br>(1400 min$^{-1}$) | **97**<br>**81**<br>**67**<br>**57**<br>**48** | 102<br>122<br>148<br>173<br>207 | 1.4<br>1.2<br>1.1<br>1.0<br>0.9 | 14.49<br>17.31<br>20.97<br>24.56<br>29.33 | **FT176** |
| SMT8034 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS8034<br>TS90S4<br>(1400 min$^{-1}$) | **69**<br>**40**<br>**33**<br>**24**<br>**19**<br>**15** | 144<br>246<br>301<br>419<br>513<br>655 | 2.4<br>1.6<br>1.5<br>1.2<br>1.1<br>0.8 | 20.41<br>34.81<br>42.61<br>59.36<br>72.68<br>92.82 | **FT196** |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **1.5** | | | | | |
| SMT9024 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS90L14<br>(1400 min$^{-1}$) | **69**<br>**40**<br>**33**<br>**24**<br>**19** | 196<br>335<br>410<br>571<br>699 | 1.8<br>1.2<br>1.1<br>0.9<br>0.8 | 20.41<br>34.81<br>42.61<br>59.36<br>72.68 | **FT196** |
| **2.2** | | | | | |
| SMT9034 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS90L24<br>(1400 min$^{-1}$) | **69**<br>**40** | 288<br>491 | 1.2<br>0.8 | 20.41<br>34.81 | **FT196** |

IEC

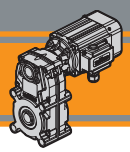
| Motori *Motors* | SMT | | TS | |
|---|---|---|---|---|
| | **8034** | **9024<br>9034** | **8034** | **90S4<br>90L14<br>90L24** |
| **IEC** | **80 B14** | **90 B14** | **80 B5 / B14** | **90 B5 / B14** |

## Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato: — *Please see the dedicated paragraph:*

SMT SMM → N3 pag.

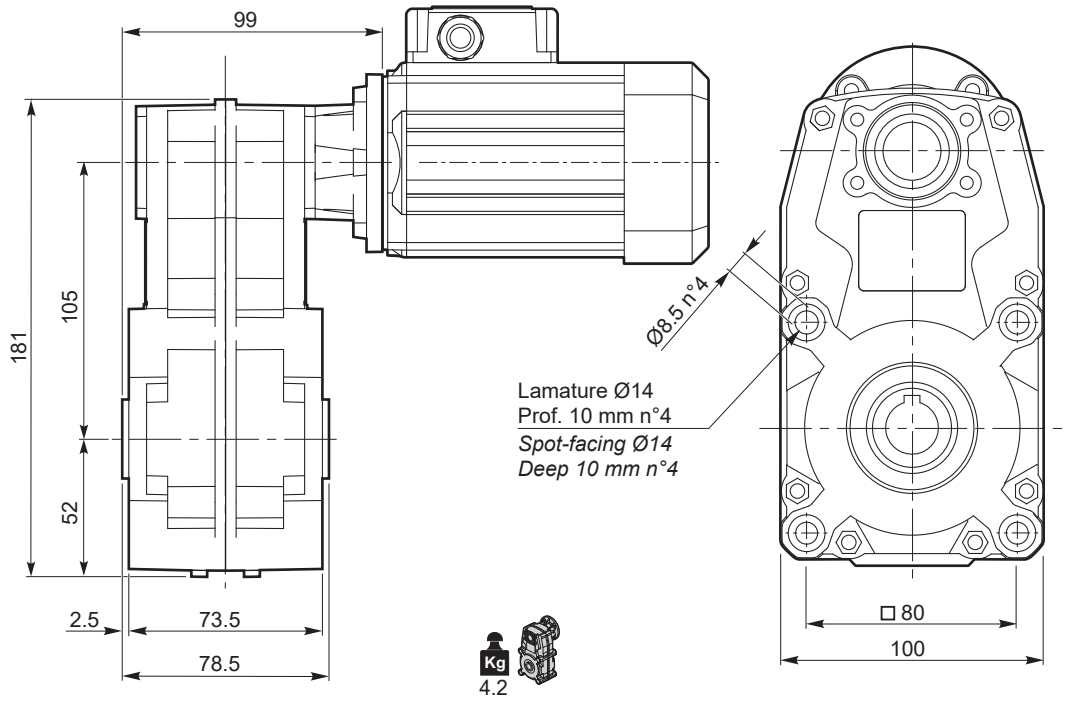
TS → R3 pag.





# FT 105

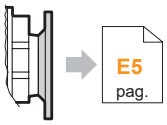
## FT 105...U

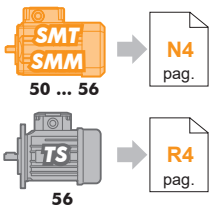



Kg 4.2

NOTA: Stessi fissaggi da entrambi i lati
*NOTE: Same fixing points in both sides*

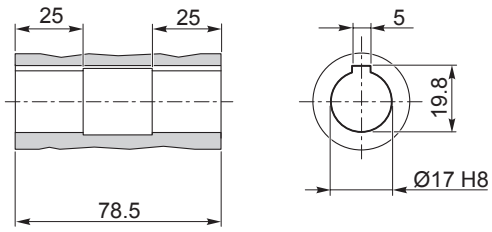
IEC Motori applicabili
*IEC Motor adapters*



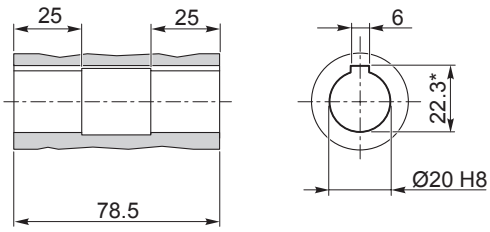

### O17

Albero uscita cavo
*Hollow output shaft*




### O20

Albero uscita cavo
*Hollow output shaft*

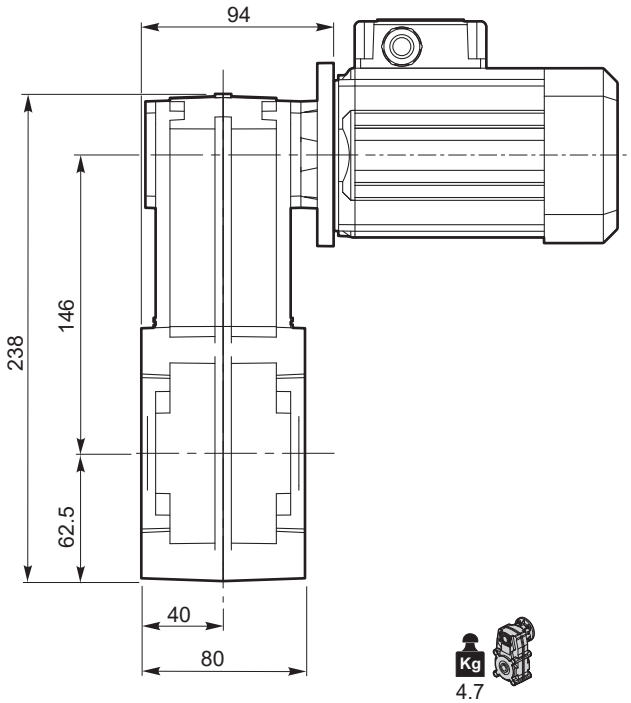


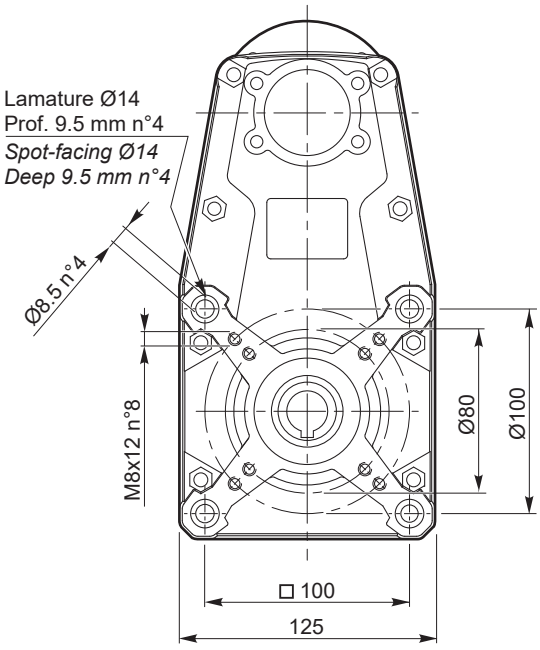

*: Sede linguetta ribassata / *Special keyway*

Dimensioni | *Dimensions*

# FT 146

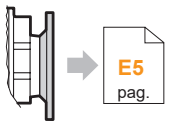
## FT 146 U

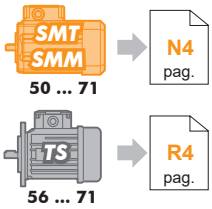



NOTA: Stessi fissaggi da entrambi i lati
*NOTE: Same fixing points in both sides*

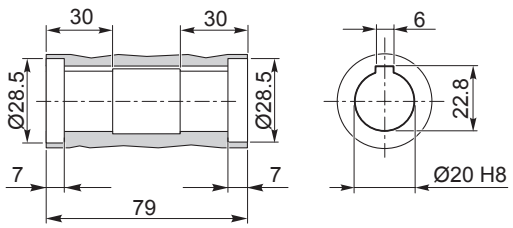
IEC Motori applicabili
*IEC Motor adapters*

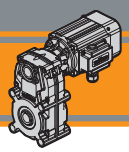



## O20

Albero uscita cavo
*Hollow output shaft*

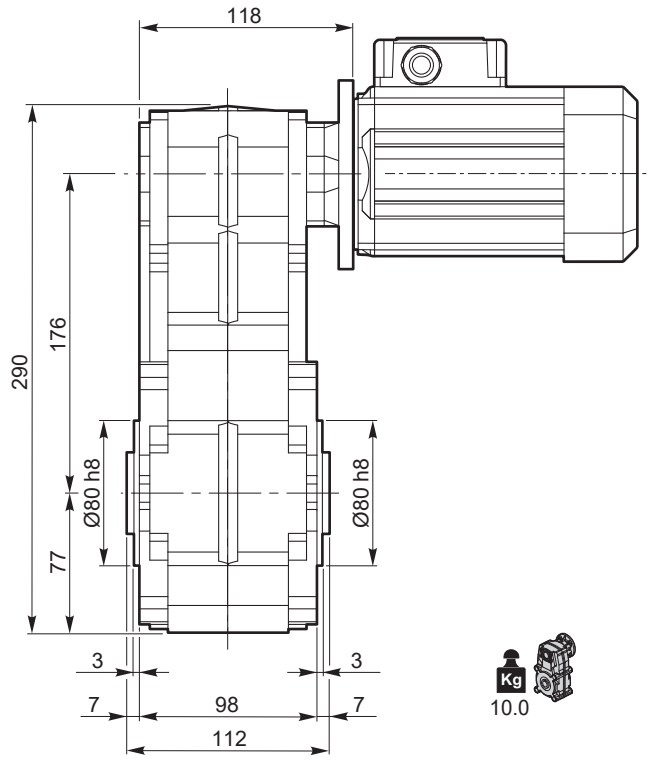






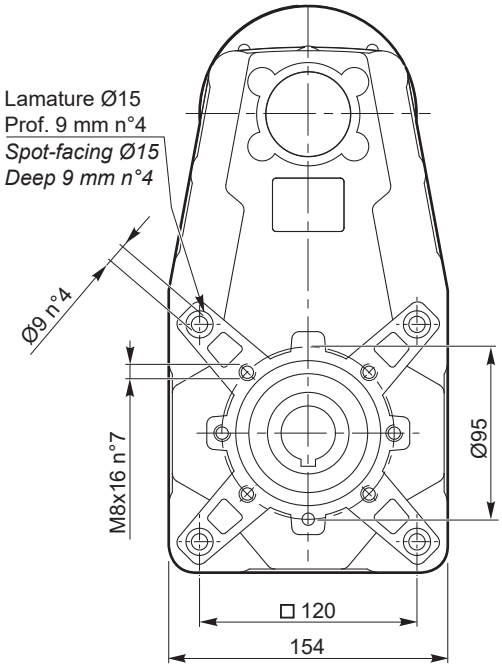
# FT 176

## FT 176 U



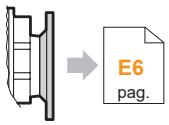


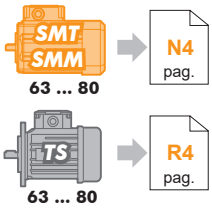





NOTA: Stessi fissaggi da entrambi i lati
*NOTE: Same fixing points in both sides*

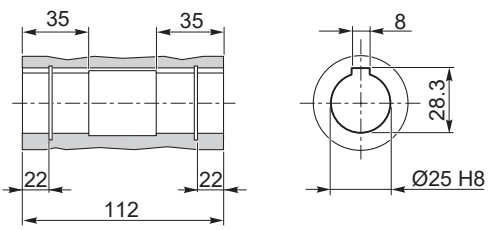
IEC Motori applicabili
*IEC Motor adapters*



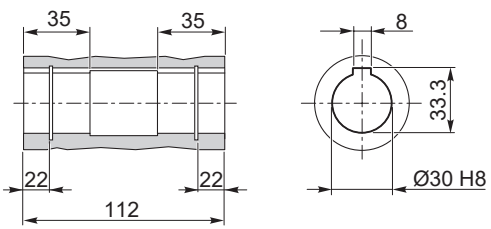

## O25

Albero uscita cavo
*Hollow output shaft*




## O30

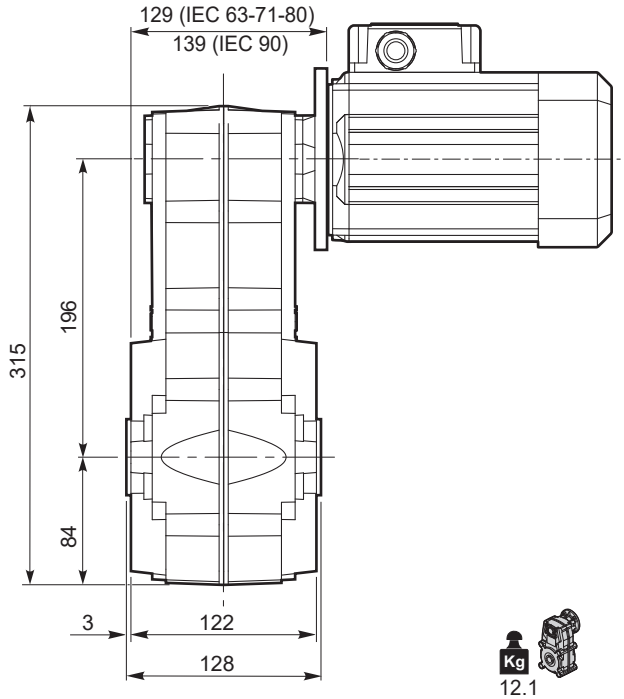
Albero uscita cavo
*Hollow output shaft*



Dimensioni *Dimensions*

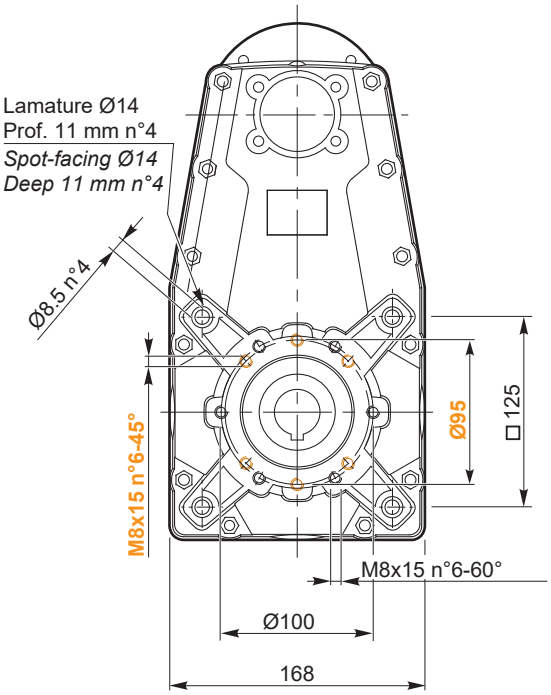
# FT 196

## FT 196 U



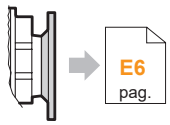


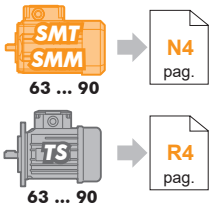





NOTA: Stessi fissaggi da entrambi i lati
*NOTE: Same fixing points in both sides*

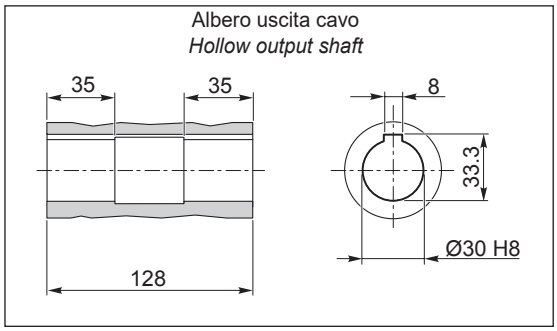
IEC Motori applicabili
*IEC Motor adapters*



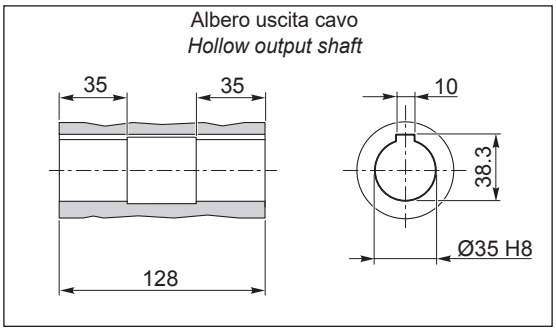

### O30

Albero uscita cavo
*Hollow output shaft*




### O35

Albero uscita cavo
*Hollow output shaft*



TRANSTECNO®
the modular gearmotor

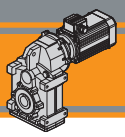
# ATS

ATS

ATS Alù

## Motoriduttori pendolari
## Helical parallel gearmotors





ENERGY SAVING


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| Designazione | *Classification* | **F2** |
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| Simbologia | *Symbols* | **F4** |
| Lubrificazione | *Lubrication* | **F4** |
| Carichi radiali | *Radial loads* | **F5** |
| Motori applicabili | *Motors adapters* | **F5** |
| Dati tecnici | *Technical data* | **F6** |
| Dimensioni | *Dimensions* | **F12** |
| Accessori | *Accessories* | **F16** |




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*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***

## Caratteristiche tecniche

## *Technical features*

I motoriduttori pendolari della serie ATS sono caratterizzati da un elevato grado di modularità: partendo da un corpo di base è possibile configurarlo secondo le esigenze con diversi kit in entrata ed in uscita.

Caratteristiche comuni a tutta la serie:

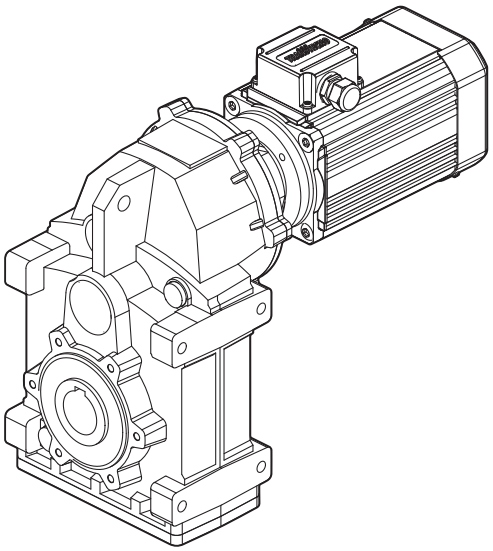
- Carcassa e flangia PAM in pressofusione di alluminio
- Lubrificazione permanente con olio sintetico.
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati.
- Flange di uscita in ghisa.

*The high degree of modularity is a design feature of ATS helical parallel range. It is possible to set up the version required by using input and output kits.*

*The main features of ATS range are:*

- *Die-cast aluminium housings and input flanges*
- *Permanent synthetic oil long-life lubrication.*
- *Ground-hardened helical gears.*
- *Cast iron output flanges.*

ENERGY SAVING

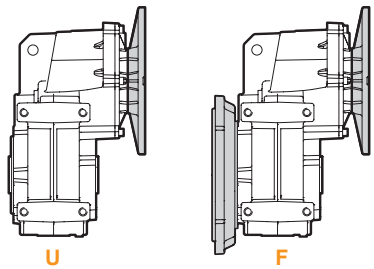


## Designazione

## *Classification*

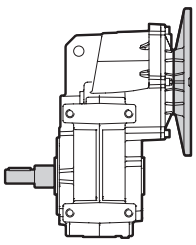
| RIDUTTORE / *GEARBOX* | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ATS** | **90** | **2** | **U** | **29.65** | **D35** | **90** | **B5** | **SZ** |
| Tipo<br>*Type* | Grandezza<br>*Size* | Stadi<br>*Stages* | Versione<br>*Version* | Rapporto<br>*Ratio* | Albero cavo uscita<br>*Hollow output shaft* | IEC | Forma costruttiva<br>*Version* | Albero uscita maschio<br>*Solid output shaft* |
| **ATS** | **90**<br>**91** | **2**<br>**3** | **U...**<br>**F...** | vedi tabelle<br>*see tables* | vedi tabelle<br>*see tables* | **63..**<br>**—**<br>**112..** | **B5**<br>**B14** | **SZ** |

Versione Riduttore
*Gearbox Version*

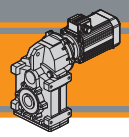


U F

Albero di uscita
*Output shaft*

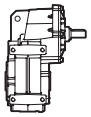


SZ

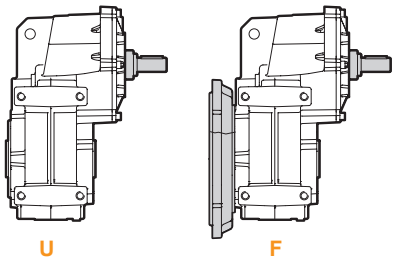


## Designazione — *Classification*

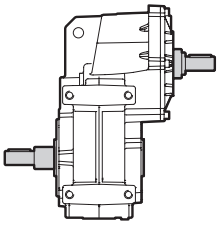
RIDUTTORE / *GEARBOX*

| ATSIS | 90 | 2 | U | 29.65 | D35 | SZ |
|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Stadi *Stages* | Versione *Version* | Rapporto *Ratio* | Albero cavo uscita *Hollow output shaft* | Albero uscita maschio *Solid output shaft* |
| **ATSIS**  | **90**<br>**91** | **2**<br>**3** | **U...**<br>**F...** | vedi tabelle *see tables* | vedi tabelle *see tables* | **SZ** |

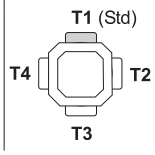
Versione Riduttore
*Gearbox Version*




Albero di uscita
*Output shaft*

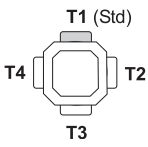



MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMT**  | N1 pag. | **1-2-3-4-5** | **4** | **0.04 kW**<br>...<br>**2.2 kW** | **B14** | **230-400 V**<br>**460V** | **50Hz**<br>**60Hz** | **TEFC**<br>**TENV** | O1 P1 Q1 pag. |  |

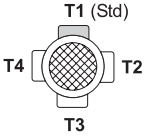


MOTORE MONOFASE / *SINGLE PHASE MOTOR*

| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMM**  | N1 pag. | **1-2-3-4** | **4** | **0.04 kW**<br>...<br>**0.75 kW** | **B14** | **230V** | **50Hz** | **TEFC**<br>**TENV** | Q1 pag. |  |

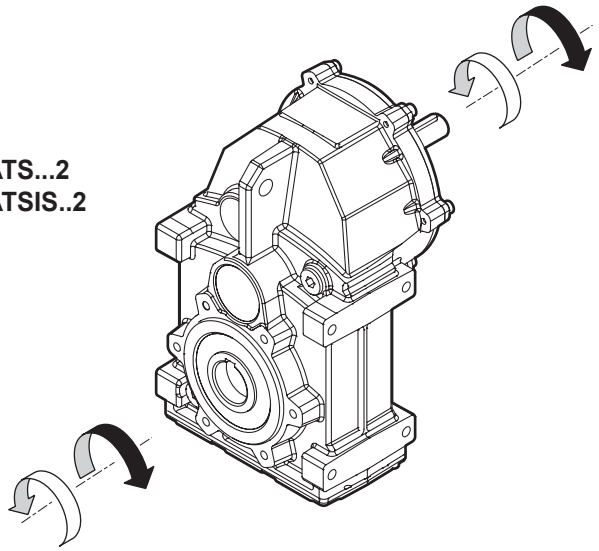


MOTORE TRIFASE / *THREE PHASE MOTOR*

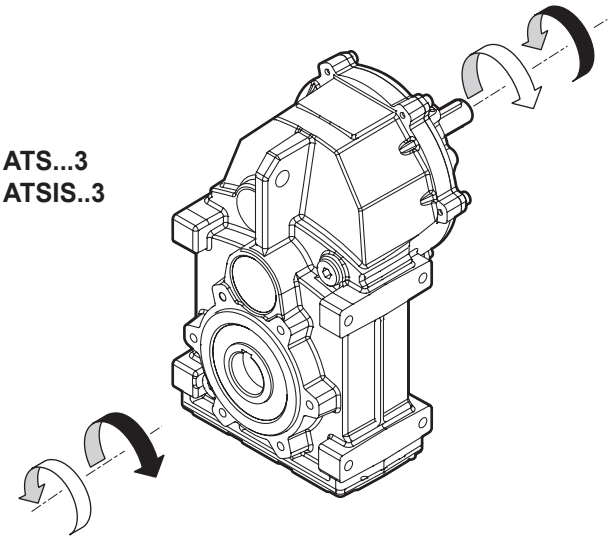
| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| **TS** | R1 pag. | **1-2-3-S**<br>**L1-L2** | **4** | **0.09 kW**<br>...<br>**2.2 kW** | **B5**<br>**B14** | **3 ph** | **230-400 V**<br>**275-480 V** | **50Hz**<br>**60Hz** |  |

## Sensi di rotazione / *Direction of rotation*

**ATS...2**
**ATSIS..2**



**ATS...3**
**ATSIS..3**



## Simbologia / *Symbols*

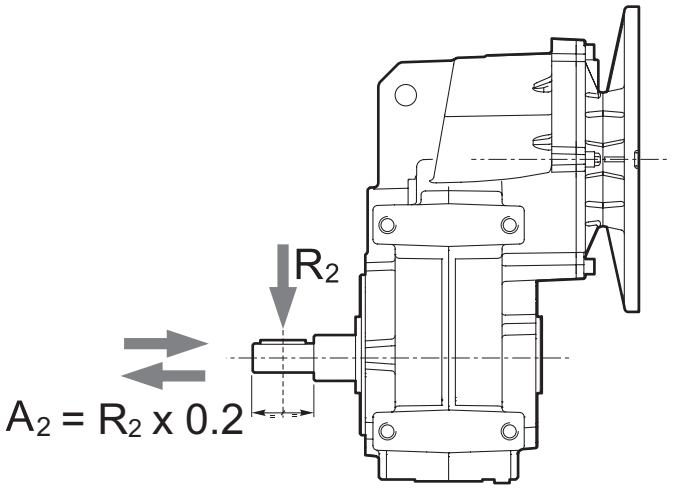
| | | |
|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* |
| i | | Rapporto di riduzione / *Ratio* |
| $P_1$ | [kW] | Potenza in entrata / *Input power* |
| $M_2$ | [Nm] | Coppia nominale in uscita in funzione di $P_1$ / *Output torque referred to* $P_1$ |
| $Pn_1$ | [kW] | Potenza nominale in entrata / *Nominal input power* |
| $Mn_2$ | [Nm] | Coppia nominale in uscita in funzione di $Pn_1$ / *Nominal output torque referred to* $Pn_1$ |
| sf | | Fattore di servizio / *Service factor* |
| $R_2$ | [N] | Carico radiale ammissibile in uscita / *Permitted output radial load* |
| $A_2$ | [N] | Carico assiale ammissibile in uscita / *Permitted output axial load* |
| Kg | [kg] | Peso del solo riduttore / *Weight of the gearbox only* |

## 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.*

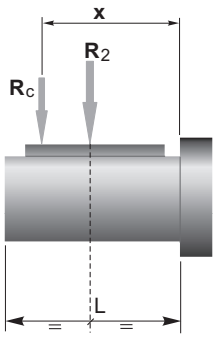
## Carichi radiali — *Radial loads*




| $n_2$ [$min^{-1}$] | $R_2$ [N] | |
|---|---|---|
| | ATS 902 ATS 903 | ATS 912 ATS 913 |
| 240 | 2400 | 3600 |
| 180 | 2400 | 4200 |
| 150 | 2400 | 4200 |
| 120 | 2500 | 4600 |
| 100 | 2800 | 4800 |
| 85 | 3090 | 5100 |
| 70 | 3150 | 5250 |
| 55 | 3630 | 6000 |
| 40 | 4440 | 6900 |
| 30 | 5100 | 7800 |
| 20 | 6000 | 9500 |
| 15 | 6000 | 10000 |
| 10 | 6000 | 10000 |
| 5 | 6000 | 10000 |

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

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




| | ATS 902 ATS 903 | ATS 912 ATS 913 |
|---|---|---|
| a | 152 | 174.5 |
| b | 97 | 114.5 |
| $R_{2MAX}$ | 6000 | 10000 |

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

$$R \leq R_c$$

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

## Motori applicabili — *Motors adapters*

| ATS | SMT | | | | | | SMM | | | | | TS | | | | | | IEC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5444 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 | 100L14 | 100LB4 | 112M4 |
| 902 | | | | | | | | | | | | | | | | | | | |
| 903 | | | | | | | | | | | | | | | | | | | |
| 912 | | | | | | | | | | | | | | | | | | | |
| 913 | | | | | | | | | | | | | | | | | | | |

**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.*

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

| | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili / *IEC Motor adapters* | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **ATSIS 902** | | | | | **71 B5** | **80 B5/B14** | **90 B5/B14** | **100 B5/B14** | **112 B5/B14** |
| | **239** | 200 | 5.2 | 5.87 | B | | | | |
| | **178** | 250 | 4.9 | 7.87 | B | | | | |
| | **148** | 300 | 4.8 | 9.47 | B | | | | |
| | **121** | 350 | 4.6 | 11.53 | B | | | | |
| | **106** | 350 | 4.0 | 13.26 | B | | | | |
| | **89.3** | 350 | 3.4 | 15.68 | B | | | | |
| | **84.0** | 350 | 3.2 | 16.68 | B | | | | * |
| | **73.3** | 400 | 3.2 | 19.09 | B | | | | * |
| | **63.7** | 400 | 2.8 | 21.96 | B | | | | * |
| | **52.8** | 400 | 2.3 | 26.50 | B | | | | * |
| | **50.7** | 400 | 2.2 | 27.61 | B | | | | * |
| | **47.2** | 400 | 2.1 | 29.65 | B | | | | * |
| | **41.8** | 400 | 1.8 | 33.49 | B | | | * | * |
| | **39.0** | 400 | 1.7 | 35.87 | B | | | * | * |
| | **36.6** | 400 | 1.6 | 38.29 | B | | | * | * |
| | **31.9** | 400 | 1.4 | 43.88 | B | | | * | * |
| | **28.5** | 400 | 1.3 | 49.09 | B | | | * | * |
| | **26.6** | 350 | 1.0 | 52.71 | B | | | * | * |
| | **25.2** | 400 | 1.1 | 55.45 | B | | | * | * |
| | **22.1** | 400 | 0.98 | 63.41 | B | | * | * | * |
| | **19.0** | 400 | 0.85 | 73.64 | B | | * | * | * |
| | **16.0** | 400 | 0.71 | 87.27 | B | | * | * | * |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **ATSIS 903** | | | | | **63 B5** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** |
| | **14.0** | 400 | 0.62 | 100.33 | | | | * |
| | **11.1** | 400 | 0.50 | 125.89 | | | | * |
| | **10.6** | 400 | 0.47 | 131.65 | | | | * |
| | **10.0** | 400 | 0.45 | 139.88 | | | * | * |
| | **9.3** | 400 | 0.41 | 151.07 | | | * | * |
| | **8.4** | 400 | 0.38 | 166.13 | | | * | * |
| | **8.1** | 400 | 0.36 | 172.40 | | | * | * |
| | **6.7** | 400 | 0.30 | 208.45 | | | * | * |
| | **6.3** | 400 | 0.28 | 223.41 | | | * | * |
| | **5.6** | 400 | 0.25 | 250.14 | | | * | * |
| | **4.3** | 400 | 0.19 | 323.65 | | * | * | * |
| | **4.1** | 400 | 0.18 | 345.59 | | * | * | * |
| | **3.7** | 400 | 0.17 | 376.15 | | * | * | * |
| | **3.3** | 400 | 0.15 | 424.21 | | * | * | * |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
**B** = Boccola di riduzione in acciaio.

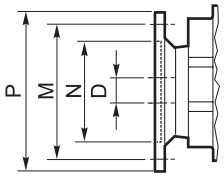
***** = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. F8 alla pag. F11

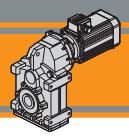
*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*
***B** = Metal shaft sleeve.*

***** = *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page F8 to F11.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **63 B5** | **71 B5** | **71 B14** | **80 B5** | **80 B14** | **90 B5** | **90 B14** | **100/112 B5** | **100/112 B14** |
| **N** | 95 | 110 | 70 | 130 | 80 | 130 | 95 | 180 | 110 |
| **M** | 115 | 130 | 85 | 165 | 100 | 165 | 115 | 215 | 130 |
| **P** | 140 | 160 | 105 | 200 | 120 | 200 | 140 | 250 | 160 |
| **D** | 11 | 14 | | 19 | | 24 | | 28 | |



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

|  | $n_2$ [min$^{-1}$] | $Mn_2$ [Nm] | $Pn_1$ [kW] | i | IEC Motori applicabili *IEC Motor adapters* | | | | |
|---|---|---|---|---|---|---|---|---|---|
| **ATSIS 912** | | | | | **71 B5** | **80 B5/B14** | **90 B5/B14** | **100 B5/B14** | **112 B5/B14** |
| | **245.0** | 350 | 9.4 | 5.71 | B | | | | |
| | **183** | 350 | 7.0 | 7.66 | B | | | | |
| | **158** | 400 | 6.9 | 8.85 | B | | | | |
| | **152** | 400 | 6.6 | 9.22 | B | | | | |
| | **125** | 400 | 5.4 | 11.23 | B | | | | |
| | **118** | 400 | 5.1 | 11.87 | B | | | | |
| | **108** | 500 | 5.9 | 12.92 | B | | | | |
| | **98.0** | 500 | 5.3 | 14.29 | B | | | | |
| | **86.2** | 500 | 4.7 | 16.24 | B | | | | |
| | **80.5** | 500 | 4.4 | 17.39 | B | | | | |
| | **70.0** | 600 | 4.6 | 20.01 | B | | | | |
| | **66.3** | 600 | 4.3 | 21.10 | B | | | | |
| | **55.6** | 600 | 3.6 | 25.16 | B | | | | |
| | **54.2** | 600 | 3.5 | 25.81 | B | | | | * |
| | **48.5** | 600 | 3.2 | 28.88 | B | | | | * |
| | **42.8** | 600 | 2.9 | 32.69 | B | | | | * |
| | **37.5** | 520 | 2.2 | 37.30 | B | | | | * |
| | **35.0** | 600 | 2.3 | 39.98 | B | | | | * |
| | **31.3** | 600 | 2.1 | 44.73 | B | | | | * |
| | **27.7** | 600 | 1.9 | 50.53 | B | | | * | * |
| | **24.2** | 600 | 1.6 | 57.77 | B | | | * | * |
| | **20.9** | 600 | 1.4 | 67.09 | B | | | * | * |
| | **17.6** | 520 | 1.0 | 79.52 | B | | | * | * |
| **ATSIS913** | | | | | **63 B5** | **71 B5/B14** | **80 B5/B14** | **90 B5/B14** | |
| | **17.0** | 600 | 1.1 | 82.28 | | | | | |
| | **14.9** | 600 | 1.0 | 93.96 | | | | | |
| | **13.8** | 600 | 0.92 | 101.41 | | | | * | |
| | **11.4** | 600 | 0.76 | 122.61 | | | | * | |
| | **10.7** | 600 | 0.71 | 131.41 | | | | * | |
| | **9.5** | 600 | 0.64 | 147.13 | | | | * | |
| | **8.9** | 600 | 0.60 | 157.08 | | | | * | |
| | **7.4** | 600 | 0.49 | 189.92 | | | | * | |
| | **6.9** | 600 | 0.46 | 203.55 | | | * | * | |
| | **6.1** | 600 | 0.41 | 227.91 | | | * | * | |
| | **4.7** | 600 | 0.32 | 294.88 | | | * | * | |
| | **4.4** | 600 | 0.30 | 314.87 | | | * | * | |
| | **4.1** | 600 | 0.27 | 342.72 | | | * | * | |
| | **3.6** | 600 | 0.24 | 386.51 | | | * | * | |

N.B.
Le aree evidenziate indicano l'applicabilità della corrispondente grandezza motore.
**B** = Boccola di riduzione in acciaio.

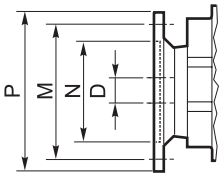
⚠ * = Il fattore di servizio (**sf**) deve essere scelto in funzione dell'applicazione: si prega di contattare il nostro Servizio Tecnico.

Prima di eseguire la scelta del motoriduttore riferirsi alle prestazioni elencate nelle tabelle dalla pag. F8 alla pag. F11

*N.B.*
*Highlighted areas indicate motor inputs available on each size of unit.*
***B** = Metal shaft sleeve.*

⚠ * = *The service factor (**sf**) has to be selected depending on application: please contact our Technical Department.*

*Before selecting any gearbox, please read the performance values shown in the tables on page F8 to F11.*




| Dimensioni IEC / *IEC Dimensions* | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | **63 B5** | **71 B5** | **71 B14** | **80 B5** | **80 B14** | **90 B5** | **90 B14** | **100/112 B5** | **100/112 B14** |
| **N** | 95 | 110 | 70 | 130 | 80 | 130 | 95 | 180 | 110 |
| **M** | 115 | 130 | 85 | 165 | 100 | 165 | 115 | 215 | 130 |
| **P** | 140 | 160 | 105 | 200 | 120 | 200 | 140 | 250 | 160 |
| **D** | 11 | 14 | | 19 | | 24 | | 28 | |

## Dati tecnici — *Technical data*

### 0.12

TS6314 — B5 (1400 min$^{-1}$)

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| | **14** | 77 | 5.2 | 100.33 | **ATS903** |
| | **11** | 97 | 4.1 | 125.89 | |
| | **11** | 101 | 3.9 | 131.65 | |
| | **10** | 108 | 3.7 | 139.88 | |
| | **9.3** | 116 | 3.4 | 151.07 | |
| | **8.4** | 128 | 3.1 | 166.13 | |
| | **8.1** | 133 | 3.0 | 172.40 | |
| | **6.7** | 160 | 2.5 | 208.45 | |
| | **6.3** | 172 | 2.3 | 223.41 | |
| | **5.6** | 192 | 2.1 | 250.14 | |
| | **4.3** | 249 | 1.6 | 323.65 | |
| | **4.1** | 266 | 1.5 | 345.59 | |
| | **3.7** | 289 | 1.4 | 376.15 | |
| | **3.3** | 326 | 1.2 | 424.21 | |
| | **6.9** | 157 | 3.8 | 203.55 | **ATS913** |
| | **6.1** | 175 | 3.4 | 227.91 | |
| | **4.7** | 227 | 2.6 | 294.88 | |
| | **4.4** | 242 | 2.5 | 314.87 | |
| | **4.1** | 264 | 2.3 | 342.72 | |
| | **3.6** | 297 | 2.0 | 386.51 | |

### 0.18

TS6324 — B5 — Solo / *Only* (1400 min$^{-1}$)

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| | **14** | 116 | 3.5 | 100.33 | **ATS903** |
| | **11** | 145 | 2.8 | 125.89 | |
| | **11** | 152 | 2.6 | 131.65 | |
| | **10** | 161 | 2.5 | 139.88 | |
| | **9.3** | 174 | 2.3 | 151.07 | |
| | **8.4** | 192 | 2.1 | 166.13 | |
| | **8.1** | 199 | 2.0 | 172.40 | |
| | **6.7** | 241 | 1.7 | 208.45 | |
| | **6.3** | 258 | 1.6 | 223.41 | |
| | **5.6** | 289 | 1.4 | 250.14 | |
| | **4.3** | 374 | 1.1 | 323.65 | |
| | **4.1** | 399 | 1.0 | 345.59 | |
| | **3.7** | 434 | 0.9 | 376.15 | |
| | **3.3** | 490 | 0.8 | 424.21 | |
| | **9.5** | 170 | 3.5 | 147.13 | **ATS913** |
| | **8.9** | 181 | 3.3 | 157.08 | |
| | **7.4** | 219 | 2.7 | 189.92 | |
| | **6.9** | 235 | 2.6 | 203.55 | |
| | **6.1** | 263 | 2.3 | 227.91 | |
| | **4.7** | 340 | 1.8 | 294.88 | |
| | **4.4** | 363 | 1.7 | 314.87 | |
| | **4.1** | 396 | 1.5 | 342.72 | |
| | **3.6** | 446 | 1.3 | 386.51 | |

### 0.25

TS7114 — B5 — Solo / *Only* (1400 min$^{-1}$)

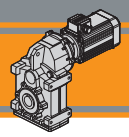
| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| | **239** | 10 | 20.8 | 5.87 | **ATS902** |
| | **178** | 13 | 19.4 | 7.87 | |
| | **148** | 16 | 19.3 | 9.47 | |
| | **121** | 19 | 18.5 | 11.53 | |
| | **106** | 22 | 16.1 | 13.26 | |
| | **89** | 26 | 13.6 | 15.68 | |
| | **84** | 27 | 12.8 | 16.68 | |
| | **73** | 31 | 12.8 | 19.09 | |
| | **64** | 36 | 11.1 | 21.96 | |
| | **53** | 43 | 9.2 | 26.50 | |
| | **51** | 45 | 8.8 | 27.61 | |
| | **47** | 49 | 8.2 | 29.65 | |
| | **42** | 55 | 7.3 | 33.49 | |
| | **39** | 59 | 6.8 | 35.87 | |
| | **37** | 61 | 6.5 | 38.29 | |
| | **32** | 70 | 5.7 | 43.88 | |
| | **29** | 79 | 5.1 | 49.09 | |
| | **27** | 84 | 4.1 | 52.71 | |
| | **25** | 89 | 4.5 | 55.45 | |
| | **22** | 102 | 3.9 | 63.41 | |
| | **19** | 118 | 3.4 | 73.64 | |
| | **16** | 140 | 2.9 | 87.27 | |

TS6334 — B5 — Solo / *Only* TS7114 (1400 min$^{-1}$)

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| | **14** | 161 | 2.5 | 100.33 | **ATS903** |
| | **11** | 202 | 2.0 | 125.89 | |
| | **11** | 211 | 1.9 | 131.65 | |
| | **10** | 224 | 1.8 | 139.88 | |
| | **9.3** | 242 | 1.7 | 151.07 | |
| | **8.4** | 266 | 1.5 | 166.13 | |
| | **8.1** | 276 | 1.4 | 172.40 | |
| | **6.7** | 334 | 1.2 | 208.45 | |
| | **6.3** | 358 | 1.1 | 223.41 | |
| | **5.6** | 401 | 1.0 | 250.14 | |
| | **14** | 163 | 3.7 | 101.41 | **ATS913** |
| | **11** | 197 | 3.1 | 122.61 | |
| | **11** | 211 | 2.8 | 131.41 | |
| | **9.5** | 236 | 2.5 | 147.13 | |
| | **8.9** | 252 | 2.4 | 157.08 | |
| | **7.4** | 304 | 2.0 | 189.92 | |
| | **6.9** | 326 | 1.8 | 203.55 | |
| | **6.1** | 365 | 1.6 | 227.91 | |
| | **4.7** | 473 | 1.3 | 294.88 | |
| | **4.4** | 505 | 1.2 | 314.87 | |
| | **4.1** | 549 | 1.1 | 342.72 | |
| | **3.6** | 620 | 1.0 | 386.51 | |

IEC

| Motori *Motors* | TS | |
|---|---|---|
| | 6314<br>6324<br>6334 | 7114 |
| IEC | 63 B5 | 71 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.37** | | | | | |
| TS7124 B5 Solo / *Only* (1400 min$^{-1}$) | **239** | 14 | 14.1 | 5.87 | **ATS902** |
| | **178** | 19 | 13.1 | 7.87 | |
| | **148** | 23 | 13.1 | 9.47 | |
| | **121** | 28 | 12.5 | 11.53 | |
| | **106** | 32 | 10.9 | 13.26 | |
| | **89** | 38 | 9.2 | 15.68 | |
| | **84** | 40 | 8.7 | 16.68 | |
| | **73** | 46 | 8.6 | 19.09 | |
| | **64** | 53 | 7.5 | 21.96 | |
| | **53** | 64 | 6.2 | 26.50 | |
| | **51** | 67 | 6.0 | 27.61 | |
| | **47** | 72 | 5.6 | 29.65 | |
| | **42** | 81 | 4.9 | 33.49 | |
| | **39** | 87 | 4.6 | 35.87 | |
| | **37** | 91 | 4.4 | 38.29 | |
| | **32** | 104 | 3.8 | 43.88 | |
| | **29** | 116 | 3.4 | 49.09 | |
| | **27** | 125 | 2.8 | 52.71 | |
| | **25** | 132 | 3.0 | 55.45 | |
| | **22** | 150 | 2.7 | 63.41 | |
| | **19** | 175 | 2.3 | 73.64 | |
| | **16** | 207 | 1.9 | 87.27 | |
| **SMT7124** **SMM7124** (1400 min$^{-1}$) SMT SMM **TS7124** (1400 min$^{-1}$) | **14** | 238 | 1.7 | 100.33 | **ATS903** |
| | **11** | 299 | 1.3 | 125.89 | |
| | **11** | 312 | 1.3 | 131.65 | |
| | **10** | 332 | 1.2 | 139.88 | |
| | **9.3** | 358 | 1.1 | 151.07 | |
| | **8.4** | 394 | 1.0 | 166.13 | |
| | **8.1** | 409 | 1.0 | 172.40 | |
| TS7124 B5 Solo / *Only* (1400 min$^{-1}$) | **24** | 137 | 4.4 | 57.77 | **ATS912** |
| | **21** | 159 | 3.8 | 67.09 | |
| | **18** | 189 | 2.8 | 79.52 | |
| **SMT7124** **SMM7124** (1400 min$^{-1}$) SMT SMM **TS7124** (1400 min$^{-1}$) | **17** | 195 | 3.1 | 82.28 | **ATS913** |
| | **15** | 223 | 2.7 | 93.96 | |
| | **14** | 241 | 2.5 | 101.41 | |
| | **11** | 291 | 2.1 | 122.61 | |
| | **11** | 312 | 1.9 | 131.41 | |
| | **9.5** | 349 | 1.7 | 147.13 | |
| | **8.9** | 373 | 1.6 | 157.08 | |
| | **7.4** | 451 | 1.3 | 189.92 | |
| | **6.9** | 483 | 1.2 | 203.55 | |
| | **6.1** | 541 | 1.1 | 227.91 | |
| | **4.7** | 700 | 0.9 | 294.88 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.55** | | | | | |
| TS7134 B5 Solo / *Only* **TS8014** (1400 min$^{-1}$) | **239** | 21 | 9.5 | 5.87 | **ATS902** |
| | **178** | 28 | 8.8 | 7.87 | |
| | **148** | 34 | 8.8 | 9.47 | |
| | **121** | 42 | 8.4 | 11.53 | |
| | **106** | 48 | 7.3 | 13.26 | |
| | **89** | 56 | 6.2 | 15.68 | |
| | **84** | 60 | 5.8 | 16.68 | |
| | **73** | 69 | 5.8 | 19.09 | |
| | **64** | 79 | 5.1 | 21.96 | |
| | **53** | 95 | 4.2 | 26.50 | |
| | **51** | 99 | 4.0 | 27.61 | |
| | **47** | 107 | 3.7 | 29.65 | |
| | **42** | 121 | 3.3 | 33.49 | |
| | **39** | 129 | 3.1 | 35.87 | |
| | **37** | 135 | 3.0 | 38.29 | |
| | **32** | 155 | 2.6 | 43.88 | |
| | **29** | 173 | 2.3 | 49.09 | |
| | **27** | 186 | 1.9 | 52.71 | |
| | **25** | 196 | 2.0 | 55.45 | |
| | **22** | 224 | 1.8 | 63.41 | |
| | **19** | 260 | 1.5 | 73.64 | |
| | **16** | 308 | 1.3 | 87.27 | |
| **SMT7134** **SMM7134** (1400 min$^{-1}$) SMT SMM **TS7134** **TS8014** (1400 min$^{-1}$) | **14** | 354 | 1.1 | 100.33 | **ATS903** |
| | **11** | 444 | 0.9 | 125.89 | |
| | **11** | 464 | 0.9 | 131.65 | |
| | **10** | 493 | 0.8 | 139.88 | |
| TS7134 B5 Solo / *Only* **TS8014** (1400 min$^{-1}$) | **31** | 158 | 3.8 | 44.73 | **ATS912** |
| | **28** | 178 | 3.4 | 50.53 | |
| | **24** | 204 | 2.9 | 57.77 | |
| | **21** | 237 | 2.5 | 67.09 | |
| | **18** | 280 | 1.9 | 79.52 | |
| **SMT7134** **SMM7134** (1400 min$^{-1}$) SMT SMM **TS7134** **TS8014** (1400 min$^{-1}$) | **17** | 290 | 2.1 | 82.28 | **ATS913** |
| | **15** | 331 | 1.8 | 93.96 | |
| | **14** | 358 | 1.7 | 101.41 | |
| | **11** | 432 | 1.4 | 122.61 | |
| | **11** | 463 | 1.3 | 131.41 | |
| | **9.5** | 519 | 1.2 | 147.13 | |
| | **8.9** | 554 | 1.1 | 157.08 | |
| | **7.4** | 670 | 0.9 | 189.92 | |
| | **6.9** | 718 | 0.8 | 203.55 | |

IEC

| Motori *Motors* | SMT | SMM | TS | |
|---|---|---|---|---|
| | 7124 7134 | 7124 7134 | 7124 7134 | 8014 |
| IEC | 71 B14 | 71 B14 | 71 B5 / B14 | 80 B5 / B14 |

## Dati tecnici — *Technical data*

### 0.75

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT7144 | 89 | 77 | 4.5 | 15.68 | ATS902 |
| SMT8024 IE3 | 84 | 82 | 4.3 | 16.68 | |
| SMM8024 | 73 | 94 | 4.3 | 19.09 | |
| (1400 min$^{-1}$) | 64 | 108 | 3.7 | 21.96 | |
| SMT SMM | 53 | 130 | 3.1 | 26.50 | |
| | 51 | 136 | 2.9 | 27.61 | |
| | 47 | 146 | 2.7 | 29.65 | |
| TS7144 | 42 | 164 | 2.4 | 33.49 | |
| B5 | 39 | 176 | 2.3 | 35.87 | |
| | 37 | 184 | 2.2 | 38.29 | |
| Solo / *Only* | 32 | 211 | 1.9 | 43.88 | |
| TS8024 | 29 | 236 | 1.7 | 49.09 | |
| (1400 min$^{-1}$) | 27 | 253 | 1.4 | 52.71 | |
| | 25 | 267 | 1.5 | 55.45 | |
| | 22 | 305 | 1.3 | 63.41 | |
| | 19 | 354 | 1.1 | 73.64 | |
| | 16 | 420 | 1.0 | 87.27 | |
| | 43 | 157 | 3.8 | 32.69 | ATS912 |
| | 38 | 179 | 2.9 | 37.30 | |
| | 35 | 192 | 3.1 | 39.98 | |
| | 31 | 215 | 2.8 | 44.73 | |
| | 28 | 243 | 2.5 | 50.53 | |
| | 24 | 278 | 2.2 | 57.77 | |
| | 21 | 323 | 1.9 | 67.09 | |
| | 18 | 382 | 1.4 | 79.52 | |
| SMM8024 | 17 | 396 | 1.5 | 82.28 | ATS913 |
| (1400 min$^{-1}$) | 15 | 452 | 1.3 | 93.96 | |
| SMT SMM | 14 | 488 | 1.2 | 101.41 | |
| | 11 | 590 | 1.0 | 122.61 | |
| TS7144 | 11 | 632 | 0.9 | 131.41 | |
| TS8024 | | | | | |
| (1400 min$^{-1}$) | | | | | |

### 1.1

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT8034 IE3 | 239 | 42 | 4.7 | 5.87 | ATS902 |
| (1400 min$^{-1}$) | 178 | 57 | 4.4 | 7.87 | |
| SMT SMM | 148 | 68 | 4.4 | 9.47 | |
| | 121 | 83 | 4.2 | 11.53 | |
| | 106 | 96 | 3.7 | 13.26 | |
| TS8034 | 89 | 113 | 3.1 | 15.68 | |
| TS90S4 | 84 | 120 | 2.9 | 16.68 | |
| (1400 min$^{-1}$) | 73 | 138 | 2.9 | 19.09 | |
| | 64 | 158 | 2.5 | 21.96 | |
| | 53 | 191 | 2.1 | 26.50 | |
| | 51 | 199 | 2.0 | 27.61 | |

### 1.1

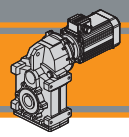
| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT8034 IE3 | 47 | 214 | 1.9 | 29.65 | ATS902 |
| (1400 min$^{-1}$) | 42 | 241 | 1.7 | 33.49 | |
| SMT SMM | 39 | 258 | 1.5 | 35.87 | |
| | 37 | 270 | 1.5 | 38.29 | |
| | 32 | 310 | 1.3 | 43.88 | |
| TS8034 | 29 | 346 | 1.2 | 49.09 | |
| TS90S4 | 25 | 391 | 1.0 | 55.45 | |
| (1400 min$^{-1}$) | 22 | 447 | 0.9 | 63.41 | |
| | 66 | 152 | 3.9 | 21.10 | ATS912 |
| | 56 | 181 | 3.3 | 25.16 | |
| | 54 | 186 | 3.2 | 25.81 | |
| | 48 | 204 | 2.9 | 28.88 | |
| | 43 | 231 | 2.6 | 32.69 | |
| | 38 | 263 | 2.0 | 37.30 | |
| | 35 | 282 | 2.1 | 39.98 | |
| | 31 | 315 | 1.9 | 44.73 | |
| | 28 | 356 | 1.7 | 50.53 | |
| | 24 | 407 | 1.5 | 57.77 | |
| | 21 | 473 | 1.3 | 67.09 | |
| | 17 | 580 | 1.0 | 82.28 | ATS913 |
| | 15 | 663 | 0.9 | 93.96 | |

### 1.5

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| SMT9024 IE3 | 239 | 58 | 3.5 | 5.87 | ATS902 |
| (1400 min$^{-1}$) | 178 | 77 | 3.2 | 7.87 | |
| SMT SMM | 148 | 93 | 3.2 | 9.47 | |
| | 121 | 113 | 3.1 | 11.53 | |
| | 106 | 130 | 2.7 | 13.26 | |
| TS90L14 | 89 | 154 | 2.3 | 15.68 | |
| (1400 min$^{-1}$) | 84 | 164 | 2.1 | 16.68 | |
| | 73 | 188 | 2.1 | 19.09 | |
| | 64 | 216 | 1.9 | 21.96 | |
| | 53 | 260 | 1.5 | 26.50 | |
| | 51 | 271 | 1.5 | 27.61 | |
| | 47 | 291 | 1.4 | 29.65 | |
| | 42 | 329 | 1.2 | 33.49 | |
| | 39 | 352 | 1.1 | 35.87 | |
| | 37 | 368 | 1.1 | 38.29 | |
| | 32 | 422 | 0.9 | 43.88 | |
| | 108 | 127 | 3.9 | 12.92 | ATS912 |
| | 98 | 140 | 3.6 | 14.29 | |
| | 86 | 160 | 3.1 | 16.24 | |
| | 80 | 171 | 2.9 | 17.39 | |
| | 70 | 197 | 3.1 | 20.01 | |
| | 66 | 207 | 2.9 | 21.10 | |
| | 56 | 247 | 2.4 | 25.16 | |

IEC

| Motori *Motors* | SMT | | | SMM | TS | | |
|---|---|---|---|---|---|---|---|
| | 7144 | 8024 | 9024 | 8024<br>8034 | 7144 | 8024<br>8034 | 90S4<br>90L14 |
| IEC | 71 B14 | 80 B14 | 90 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 | 90 B5 / B14 |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **1.5** | | | | | |
| **SMT9024 IE3** (1400 min$^{-1}$) | **54** | 254 | 2.4 | 25.81 | **ATS912** |
| | **48** | 278 | 2.2 | 28.88 | |
| | **43** | 314 | 1.9 | 32.69 | |
| | **38** | 359 | 1.4 | 37.30 | |
| | **35** | 385 | 1.6 | 39.98 | |
| **TS90L14** (1400 min$^{-1}$) | **31** | 430 | 1.4 | 44.73 | |
| | **28** | 486 | 1.2 | 50.53 | |
| | **24** | 556 | 1.1 | 57.77 | |
| | **21** | 645 | 0.9 | 67.09 | |
| **2.2** | | | | | |
| **SMT9034 IE3** (1400 min$^{-1}$) | **239** | 85 | 2.4 | 5.87 | **ATS902** |
| | **178** | 113 | 2.2 | 7.87 | |
| | **148** | 136 | 2.2 | 9.47 | |
| | **121** | 166 | 2.1 | 11.53 | |
| | **106** | 191 | 1.8 | 13.26 | |
| **TS90L24** | **89** | 226 | 1.5 | 15.68 | |
| **TS100L14** | **84** | 240 | 1.5 | 16.68 | |
| (1400 min$^{-1}$) | **73** | 275 | 1.5 | 19.09 | |
| | **64** | 316 | 1.3 | 21.96 | |
| | **53** | 382 | 1.0 | 26.50 | |
| | **51** | 398 | 1.0 | 27.61 | |
| | **47** | 427 | 0.9 | 29.65 | |
| | **245** | 82 | 4.3 | 5.71 | **ATS912** |
| | **183** | 110 | 3.2 | 7.66 | |
| | **158** | 128 | 3.1 | 8.85 | |
| | **152** | 133 | 3.0 | 9.22 | |
| | **125** | 162 | 2.5 | 11.23 | |
| | **118** | 171 | 2.3 | 11.87 | |
| | **108** | 186 | 2.7 | 12.92 | |
| | **98** | 206 | 2.4 | 14.29 | |
| | **86** | 234 | 2.1 | 16.24 | |
| | **80** | 251 | 2.0 | 17.39 | |
| | **70** | 288 | 2.1 | 20.01 | |
| | **66** | 304 | 2.0 | 21.10 | |
| | **56** | 362 | 1.7 | 25.16 | |
| | **54** | 372 | 1.6 | 25.81 | |
| | **48** | 407 | 1.5 | 28.88 | |
| | **43** | 461 | 1.3 | 32.69 | |
| | **35** | 564 | 1.1 | 39.98 | |
| | **31** | 631 | 1.0 | 44.73 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **3.0** | | | | | |
| **100LB4** (1400 min$^{-1}$) | **239** | 115 | 1.7 | 5.87 | **ATS902** |
| | **178** | 155 | 1.6 | 7.87 | |
| | **148** | 186 | 1.6 | 9.47 | |
| | **121** | 227 | 1.5 | 11.53 | |
| | **106** | 261 | 1.3 | 13.26 | |
| | **89** | 308 | 1.1 | 15.68 | |
| | **84** | 328 | 1.1 | 16.68 | |
| | **73** | 375 | 1.1 | 19.09 | |
| | **64** | 431 | 0.9 | 21.96 | |
| | **245** | 112 | 3.1 | 5.71 | **ATS912** |
| | **183** | 151 | 2.3 | 7.66 | |
| | **158** | 174 | 2.3 | 8.85 | |
| | **152** | 181 | 2.2 | 9.22 | |
| | **125** | 221 | 1.8 | 11.23 | |
| | **118** | 233 | 1.7 | 11.87 | |
| | **108** | 254 | 2.0 | 12.92 | |
| | **98** | 281 | 1.8 | 14.29 | |
| | **86** | 319 | 1.6 | 16.24 | |
| | **80** | 342 | 1.5 | 17.39 | |
| | **70** | 393 | 1.5 | 20.01 | |
| | **66** | 415 | 1.4 | 21.10 | |
| | **56** | 494 | 1.2 | 25.16 | |
| | **54** | 507 | 1.2 | 25.81 | |
| | **48** | 555 | 1.1 | 28.88 | |
| | **43** | 629 | 1.0 | 32.69 | |
| **4.0** | | | | | |
| **112M4** (1400 min$^{-1}$) | **239** | 154 | 1.3 | 5.87 | **ATS902** |
| | **178** | 206 | 1.2 | 7.87 | |
| | **148** | 248 | 1.2 | 9.47 | |
| | **121** | 302 | 1.2 | 11.53 | |
| | **106** | 347 | 1.0 | 13.26 | |
| | **89** | 411 | 0.9 | 15.68 | |
| | **245** | 150 | 2.3 | 5.71 | **ATS912** |
| | **183** | 201 | 1.7 | 7.66 | |
| | **158** | 232 | 1.7 | 8.85 | |
| | **152** | 242 | 1.7 | 9.22 | |
| | **125** | 294 | 1.4 | 11.23 | |
| | **118** | 311 | 1.3 | 11.87 | |
| | **108** | 338 | 1.5 | 12.92 | |
| | **98** | 374 | 1.3 | 14.29 | |
| | **86** | 425 | 1.2 | 16.24 | |
| | **80** | 456 | 1.1 | 17.39 | |
| | **70** | 524 | 1.1 | 20.01 | |
| | **66** | 553 | 1.1 | 21.10 | |
| | **56** | 659 | 0.9 | 25.16 | |

IEC

| Motori *Motors* | SMT | TS | | IEC | |
|---|---|---|---|---|---|
| | 9024<br>9034 | 90L14<br>90L24 | TS100L14 | 100LB4 | 112M4 |
| IEC | 90 B14 | 90 B5 / B14 | 100 B5 / B14 | 100 B5 / B14 | 112 B5 / B14 |

## Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato: — *Please see the dedicated paragraph:*

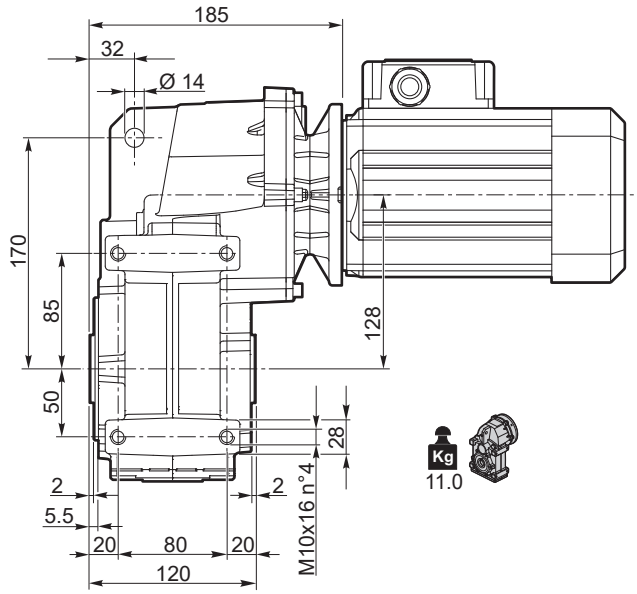
SMT SMM → N3 pag.

TS → R3 pag.

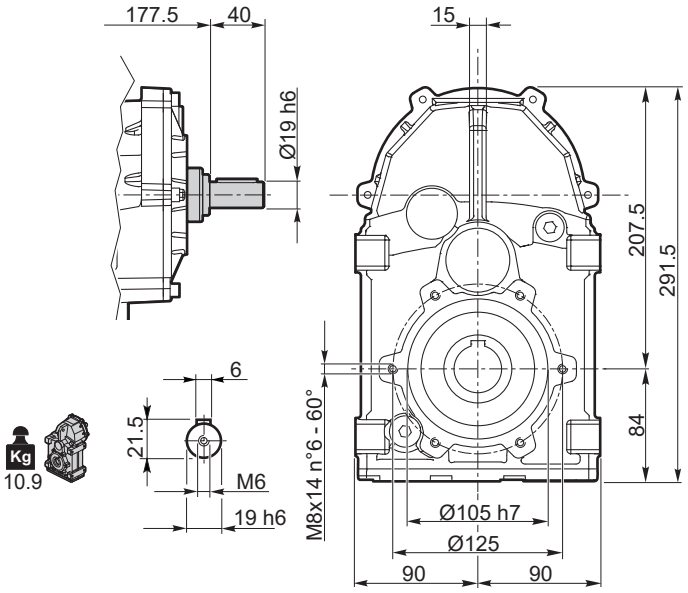
**Dimensioni** *Dimensions*

# ATS 902

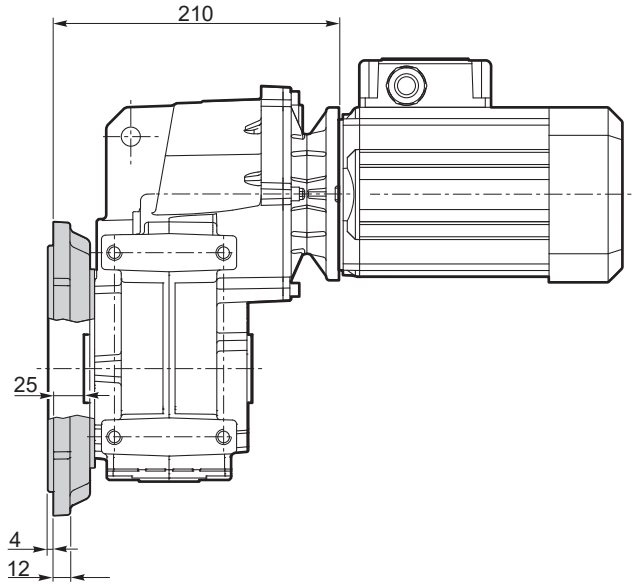
## ATS 902 U..



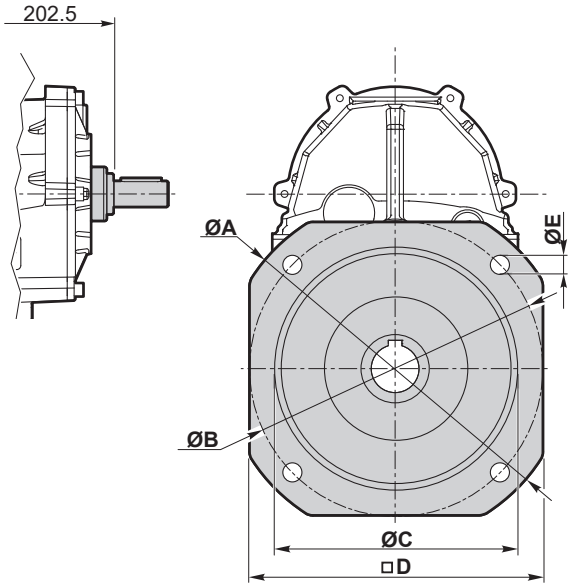

## ATSIS 902 U..




## ATS 902 F..



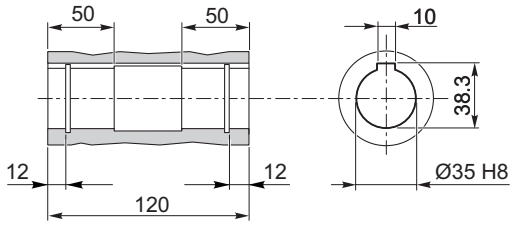

## ATSIS 902 F..




| Versione **F** / ***F** Version* | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ATS ATSIS** | **ØA** | **ØB** | **ØC f7** | **□D** | **ØE** | **Flangia / *Flange*** | |
| | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **902** | 200 | 165 | 130 | 165 | 11 | **F200** | 2 |
| | 250 | 215 | 180 | 215 | 14 | **F250** | 3.2 |

## ATS 902.. D35 - ATSIS 902.. D35

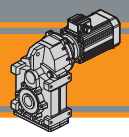
Albero uscita cavo
*Hollow output shaft*




Flangia entrata
*Input flange*

F6 pag.

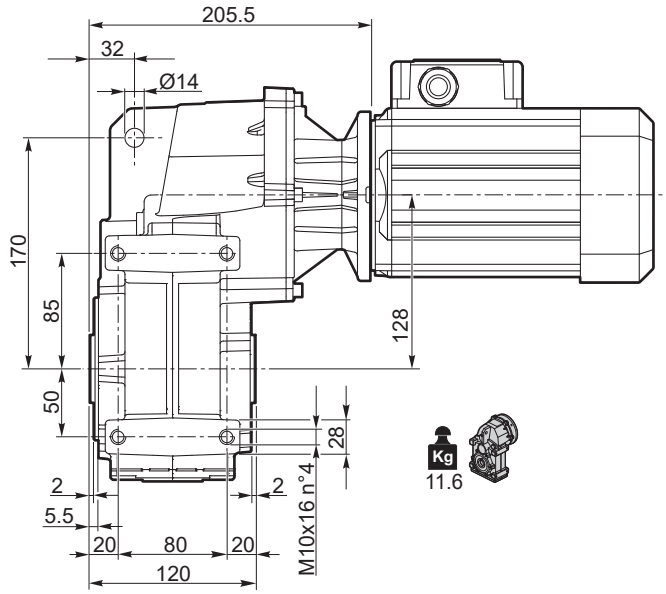
SMT SMM 80 ... 90 → N4 pag.
TS 71 ... 100 → R4 pag.



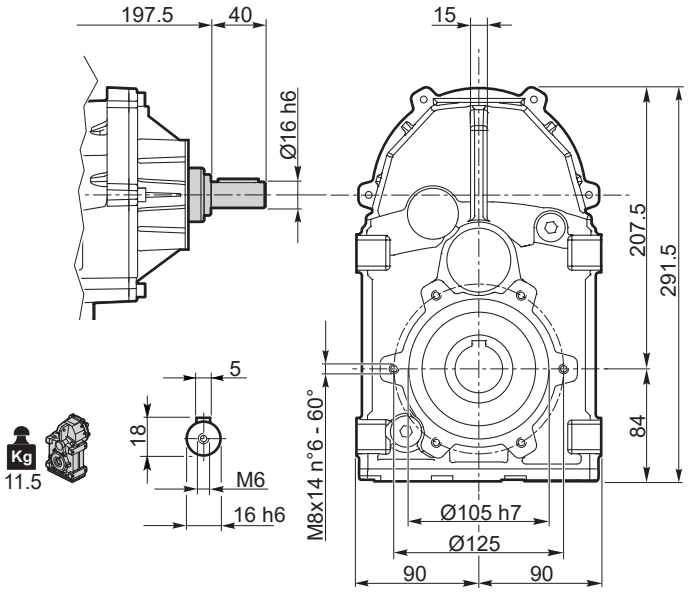


# ATS 903

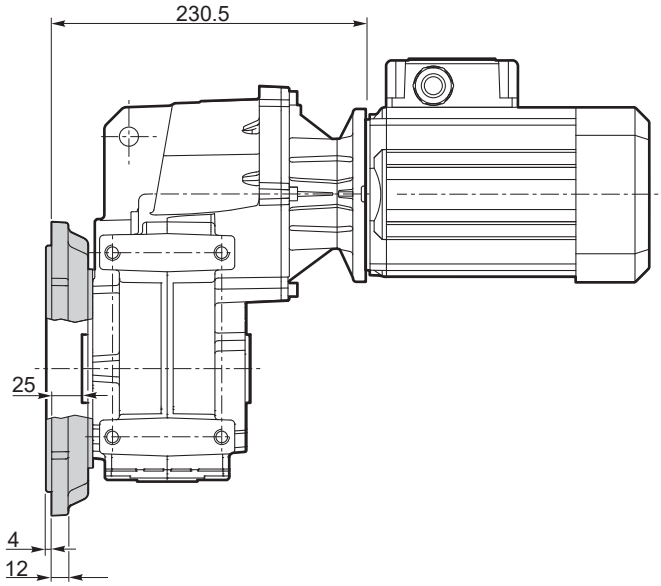
## ATS 903 U..



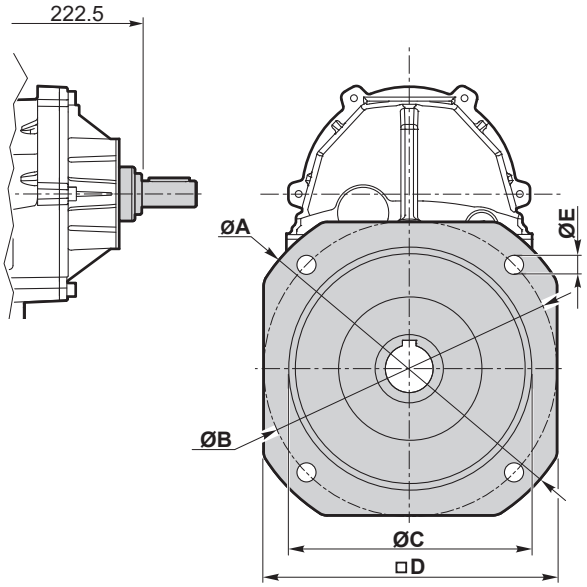

## ATSIS 903 U..




## ATS 903 F..



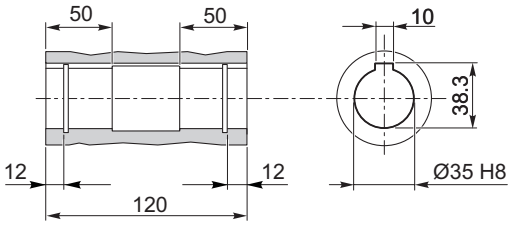

## ATSIS 903 F..



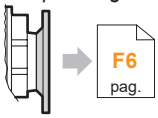

| Versione **F** / ***F** Version* | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ATS ATSIS** | **ØA** | **ØB** | **ØC f7** | **□D** | **ØE** | **Flangia / *Flange*** | |
| | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **903** | 200 | 165 | 130 | 165 | 11 | **F200** | 2 |
| | 250 | 215 | 180 | 215 | 14 | **F250** | 3.2 |

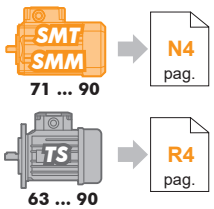
## ATS 903.. D35 - ATSIS 903.. D35

Albero uscita cavo
*Hollow output shaft*




Flangia entrata
*Input flange*

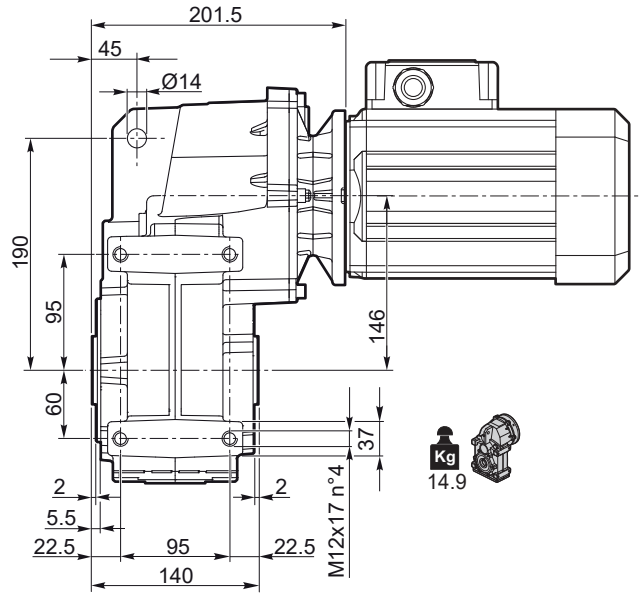


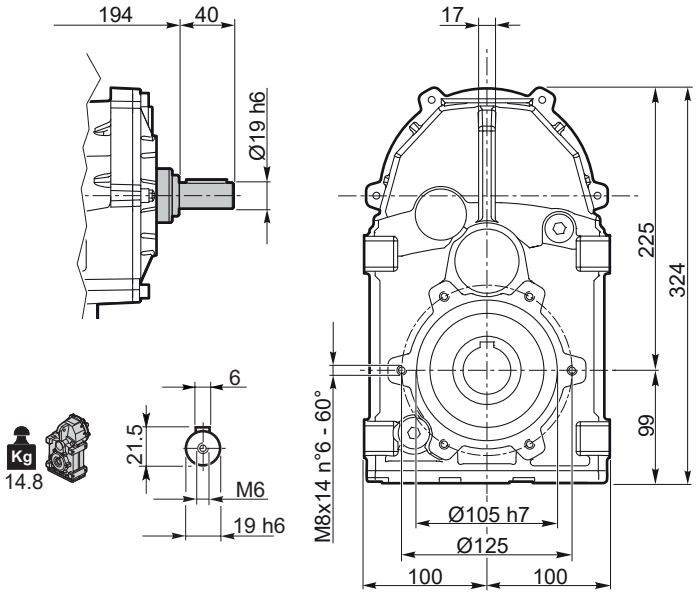
**Dimensioni** *Dimensions*

# ATS 912

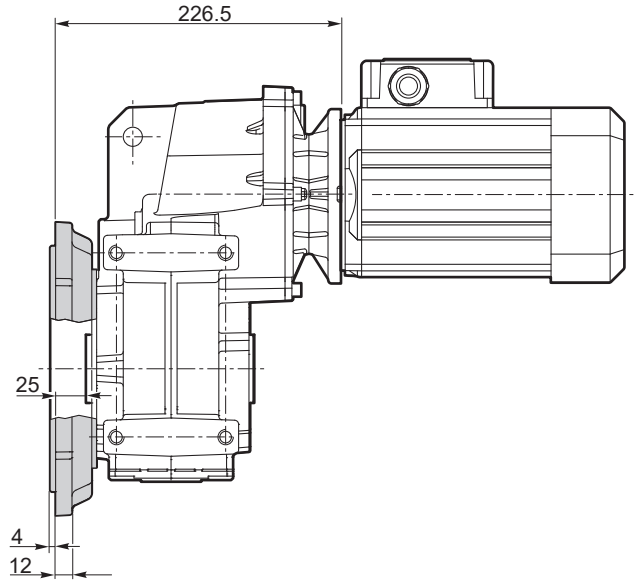
## ATS 912 U..



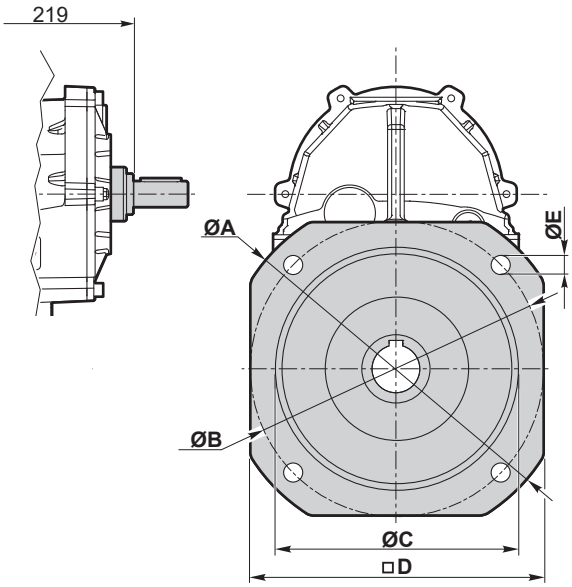

## ATSIS 912 U..




## ATS 912 F..



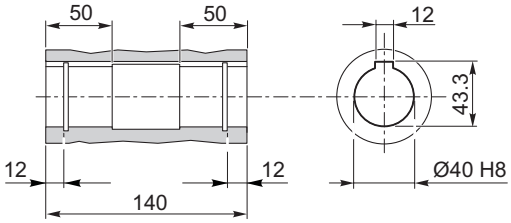

## ATSIS 912 F..



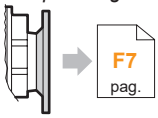

| Versione **F** / ***F** Version* | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ATS ATSIS** | **ØA** | **ØB** | **ØC f7** | **□D** | **ØE** | **Flangia / *Flange*** | |
| | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **912** | 200 | 165 | 130 | 165 | 11 | **F200** | 2 |
| | 250 | 215 | 180 | 215 | 14 | **F250** | 3.2 |

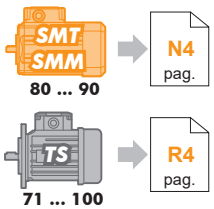
## ATS 912.. D40 - ATSIS 912.. D40

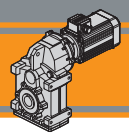
Albero uscita cavo
*Hollow output shaft*




Flangia entrata
*Input flange*



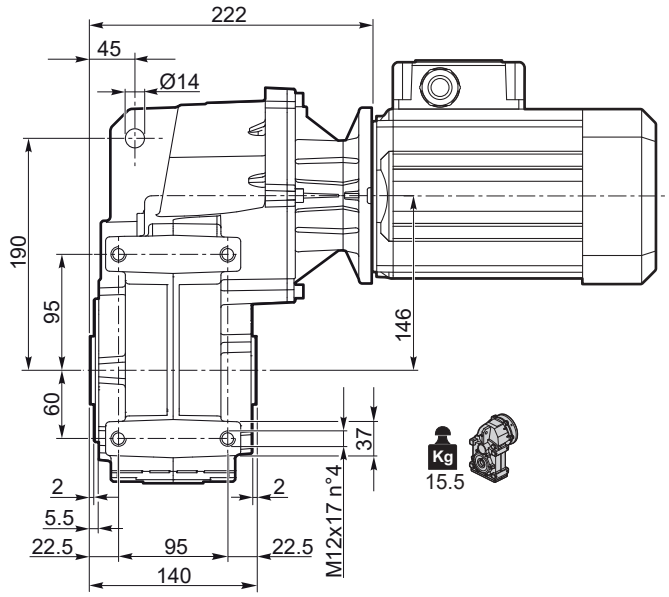





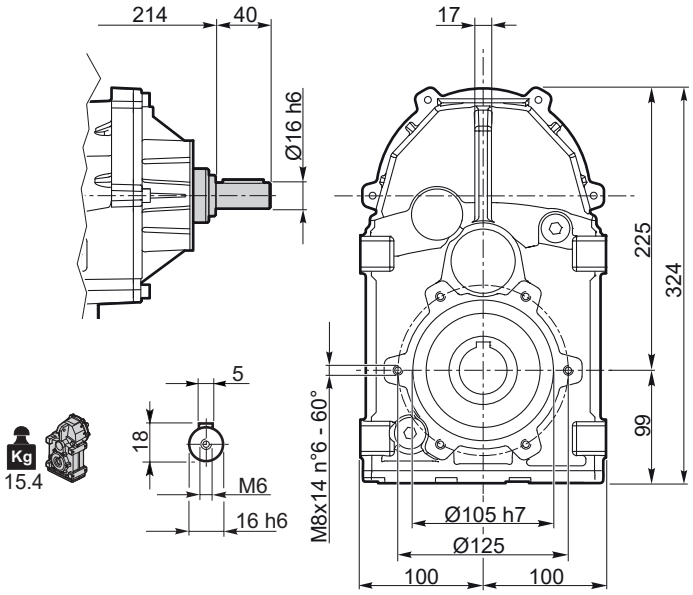


# ATS 913

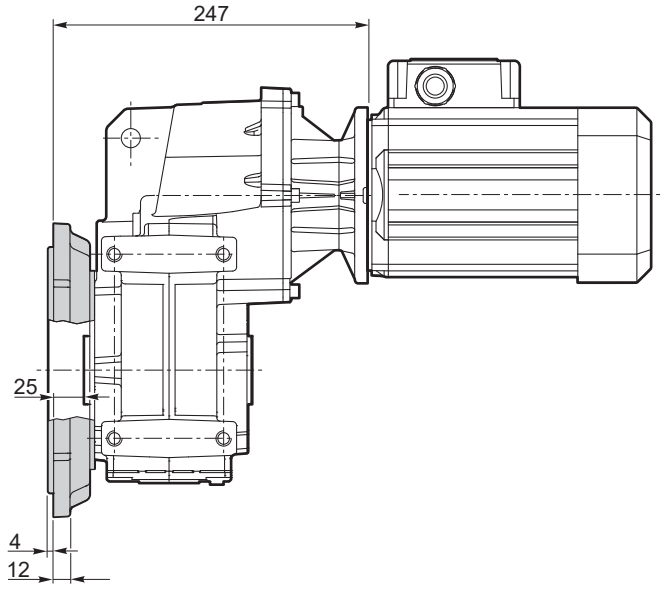
## ATS 913 U..



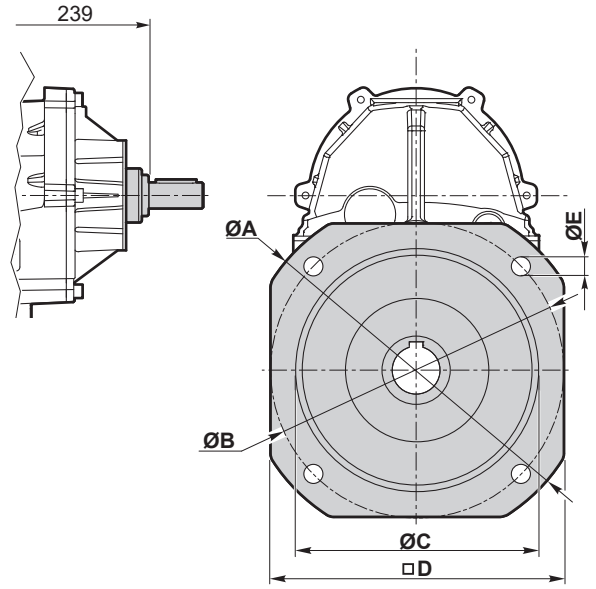

## ATSIS 913 U..




## ATS 913 F..



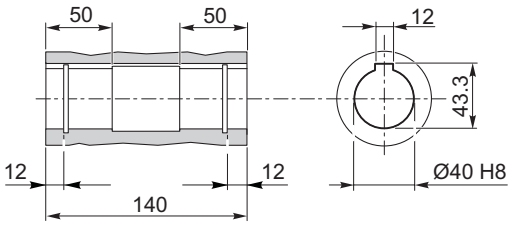

## ATSIS 913 F..



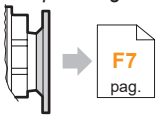

| Versione **F** / ***F** Version* | | | | | | | |
|---|---|---|---|---|---|---|---|
| **ATS ATSIS** | **ØA** | **ØB** | **ØC f7** | **□D** | **ØE** | **Flangia / *Flange*** | |
| | | | | | | Tipo / *Type* | Peso / *Weight* [kg] |
| **913** | 200 | 165 | 130 | 165 | 11 | **F200** | 2 |
| | 250 | 215 | 180 | 215 | 14 | **F250** | 3.2 |

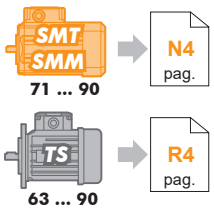
## ATS 913.. D40 - ATSIS 913.. D40

Albero uscita cavo
*Hollow output shaft*




Flangia entrata
*Input flange*



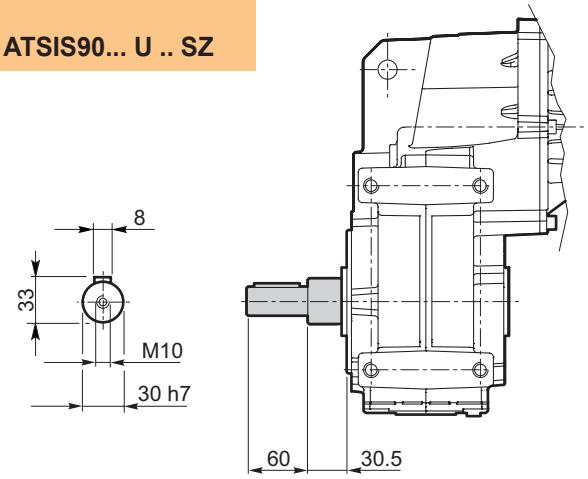



## Accessori / *Accessories*

### Albero lento semplice / *Single output shaft*

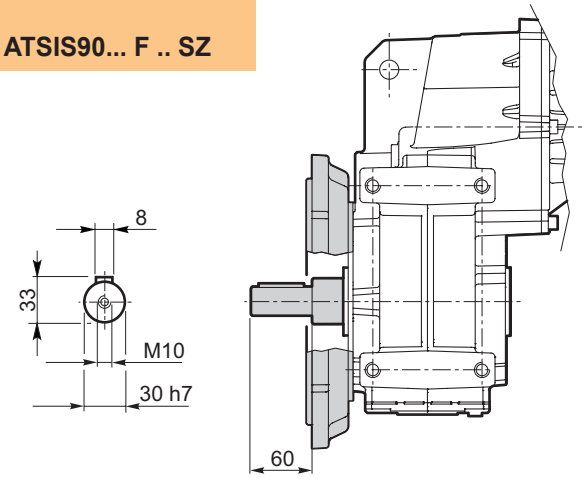
**ATS90... U .. SZ**

**ATSIS90... U .. SZ**



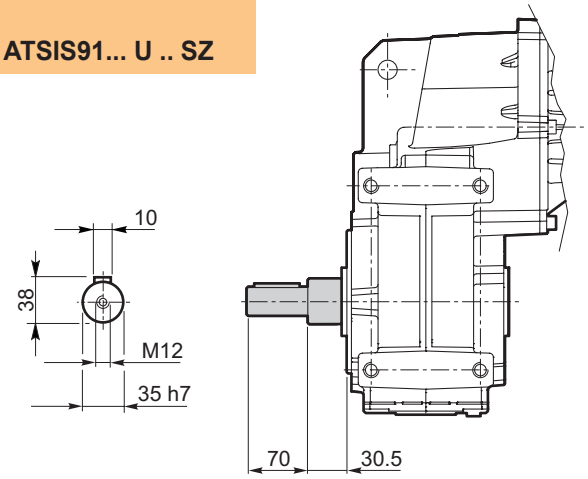

**ATS90... F .. SZ**

**ATSIS90... F .. SZ**



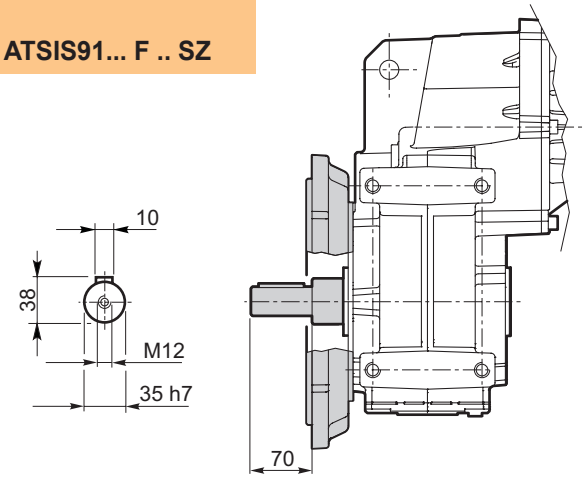

**ATS91... U .. SZ**

**ATSIS91... U .. SZ**




**ATS91... F .. SZ**

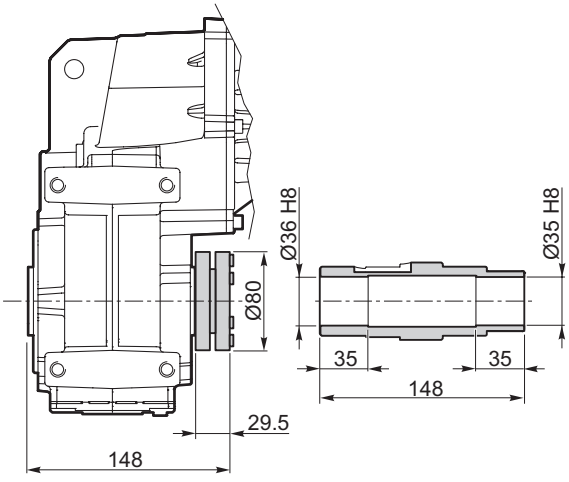
**ATSIS91... F .. SZ**




### Albero lento con calettatore / *Output shaft with shrink disk*

**ATS90... U .. G35**

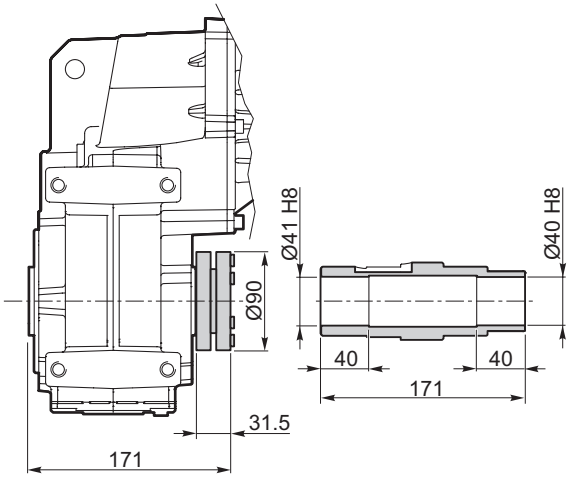
**ATSIS90... U .. G35**




Kit albero uscita con calettatore disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

**ATS91... U .. G40**

**ATSIS91... U .. G40**

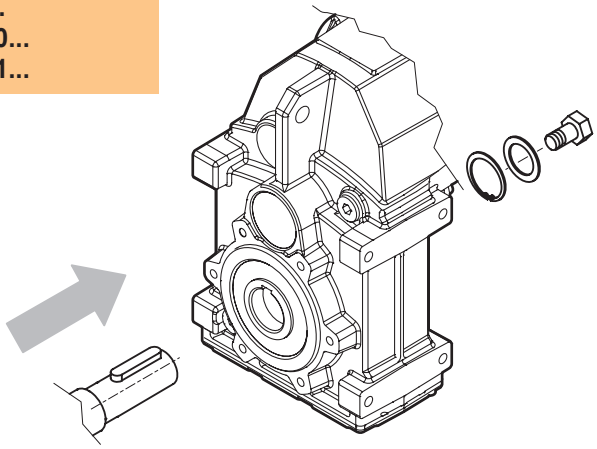



*Output shaft kit with shrink disk available on request:*
*for assembly instructions please contact our Technical Service*

## Accessori / *Accessories*

### Kit di montaggio albero uscita / *Output shaft assembly kit*

**ATS90...**
**ATS91...**
**ATSIS90...**
**ATSIS91...**

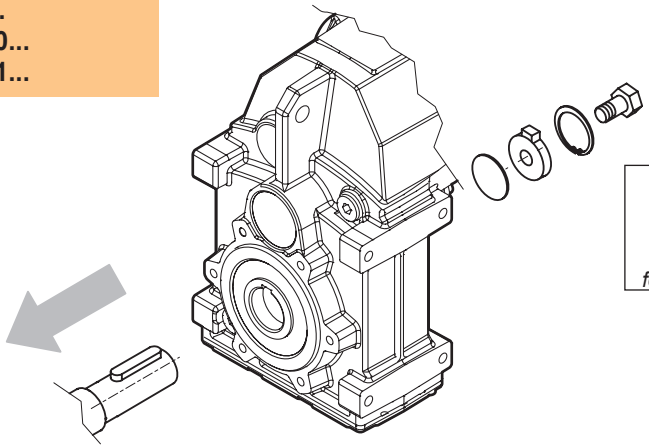


Kit di montaggio albero uscita disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

*Output shaft assembly kit available upon request:*
*for assembly instructions please contact our Technical Assistance*

### Kit di smontaggio albero uscita / *Output shaft disassembly kit*

**ATS90...**
**ATS91...**
**ATSIS90...**
**ATSIS91...**

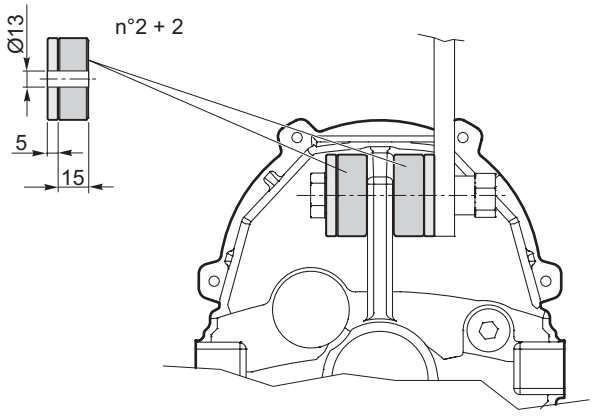


Kit di smontaggio albero uscita disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

*Output shaft disassembly kit available upon request:*
*for assembly instructions please contact our Technical Assistance*

### Kit braccio di reazione / *Torque arm kit*

**ATS90...U**
**ATS91...U**
**ATSIS90...U**
**ATSIS91...U**




Kit braccio di reazione disponibile a richiesta:
per le istruzioni di montaggio riferirsi al nostro Servizio Tecnico.

*Torque arm kit available upon request:*
*for assembly instructions please contact our Technical Assistance*

# Note/*Notes*

TRANSTECNO®
the modular gearmotor

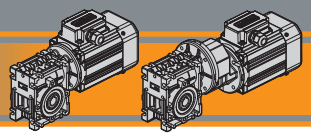
# CM-CMP

CM-CMP

CM-CMP Alu

## Motoriduttori a vite senza fine
## Wormgearmotors






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|---|---|---|
| Caratteristiche tecniche | *Technical features* | **G2** |
| Designazione | *Classification* | **G2** |
| Sensi di rotazione | *Direction of rotation* | **G4** |
| Simbologia | *Symbols* | **G4** |
| Lubrificazione | *Lubrication* | **G5** |
| Carichi radiali | *Radial loads* | **G6** |
| Dati di dentatura | *Toothing data* | **G7** |
| Rendimento | *Efficiency* | **G7** |
| Dati tecnici | *Technical data* | **G8** |
| Motori applicabili | *IEC Motor adapters* | **G20** |
| Dimensioni | *Dimensions* | **G22** |
| Accessori | *Accessories* | **G37** |
| Opzioni | *Options* | **G38** |




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***

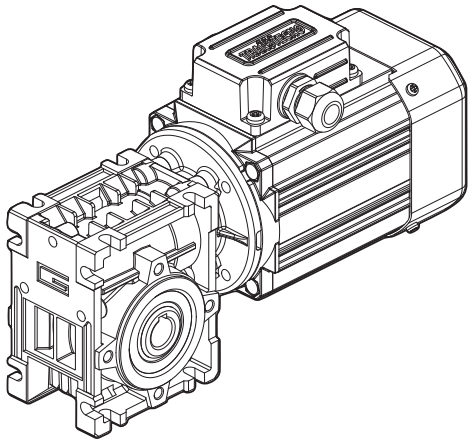
## Caratteristiche tecniche — *Technical features*

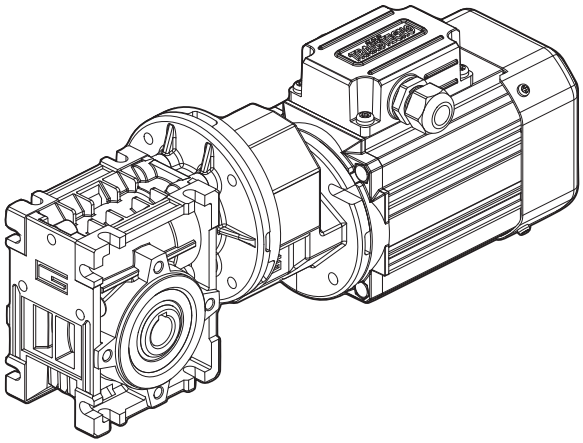
L'elevata modularità contraddistingue i motoriduttori a vite senza fine della serie CM e CMP: i diversi kit entrata ed uscita li rendono estremamente versatili.
Le caratteristiche principali della serie CM e CMP sono:

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

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

- *Die-cast aluminium 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 aluminium housing on pre-stage units;*





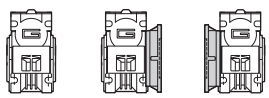
## Designazione — *Classification*

### RIDUTTORI A VITE SENZA FINE / WORMGEARBOXES

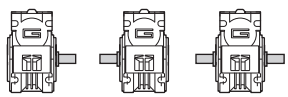
RIDUTTORE / *GEARBOX*

| 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**  **CMIS**  | **026**<br>**026 (D11)**<br>**026 (D14)**<br>**030**<br>**040**<br>**050**<br>**063**<br>**070**<br>**075**<br>**090**<br>**110**<br>**130** | **U**<br>**F...** | Vedere tabella<br>*See tables* | **56..**<br>**—**<br>**132..** | **B5**<br>**B14** | **SZDX**<br>**SZSX**<br>**DZ** | **BRDX**<br>**BRSX**<br>(*) | **0°**<br>**90°**<br>**180°**<br>**270°** | **M1** (B3)<br>**M2** (V6)<br>**M3** (B8)<br>**M4** (V5)<br>**M6** (B6)<br>**M5** (B7) | **VS** |

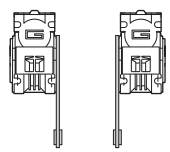
Versione Riduttore *Gearbox Version*



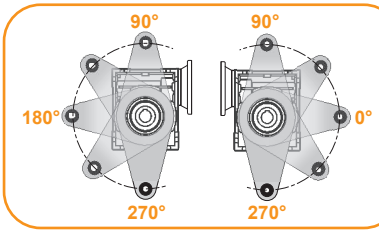

Albero di uscita *Output shaft*



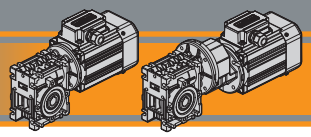

Braccio di reazione (*) *Torque arm*




Angolo *Angle*



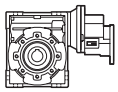

(*) NOTA: il braccio di reazione viene fornito smontato.
*NOTE: the torque arm will be supplied not assembled.*

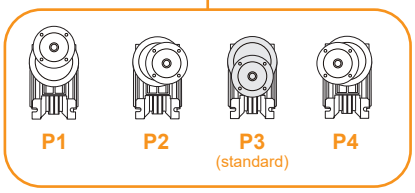


## Designazione — *Classification*

# 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**<br>**056/040**<br>**063/040**<br>**063/050**<br>**063/063**<br>**071/050**<br>**071/063**<br>**071/070**<br>**071/075**<br>**071/090**<br>**080/063**<br>**080/070**<br>**080/075**<br>**080/090**<br>**080/110**<br>**080/130**<br>**090/070**<br>**090/075**<br>**090/090**<br>**090/110**<br>**090/130** | **U**<br>**F...** | Vedere tabella<br>*See tables* | **56..**<br>**—**<br>**80..** | **B5**<br>**B14** | **SZDX**<br>**SZSX**<br>**DZ** | **BRDX**<br>**BRSX**<br>(*) | **0°**<br>**90°**<br>**180°**<br>**270°** | **P1**<br>**P2**<br>**P3** (standard)<br>**P4** | **M1** (B3)<br>**M2** (V6)<br>**M3** (B8)<br>**M4** (V5)<br>**M6** (B6)<br>**M5** (B7) | **VS** |




(*) NOTA: il braccio di reazione viene fornito smontato.
*NOTE: the torque arm will be supplied not assembled.*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMT**  | N1 pag. | **1-2-3-4-5** | **4** | **0.04 kW**<br>...<br>**2.2 kW** | **B14** | **230-400 V**<br>**460V** | **50Hz**<br>**60Hz** | **TEFC**<br>**TENV** | O1<br>P1<br>Q1<br>pag. | **T1** (Std)<br>**T4** **T2**<br>**T3** |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

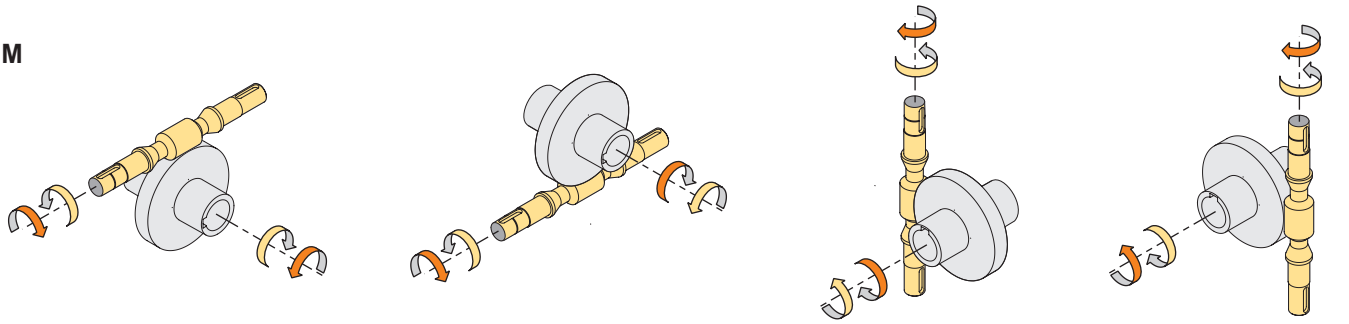
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| **SMM**  | N1 pag. | **1-2-3-4** | **4** | **0.04 kW**<br>...<br>**0.75 kW** | **B14** | **230V** | **50Hz** | **TEFC**<br>**TENV** | Q1 pag. | **T1** (Std)<br>**T4** **T2**<br>**T3** |

MOTORE TRIFASE / *THREE PHASE MOTOR*

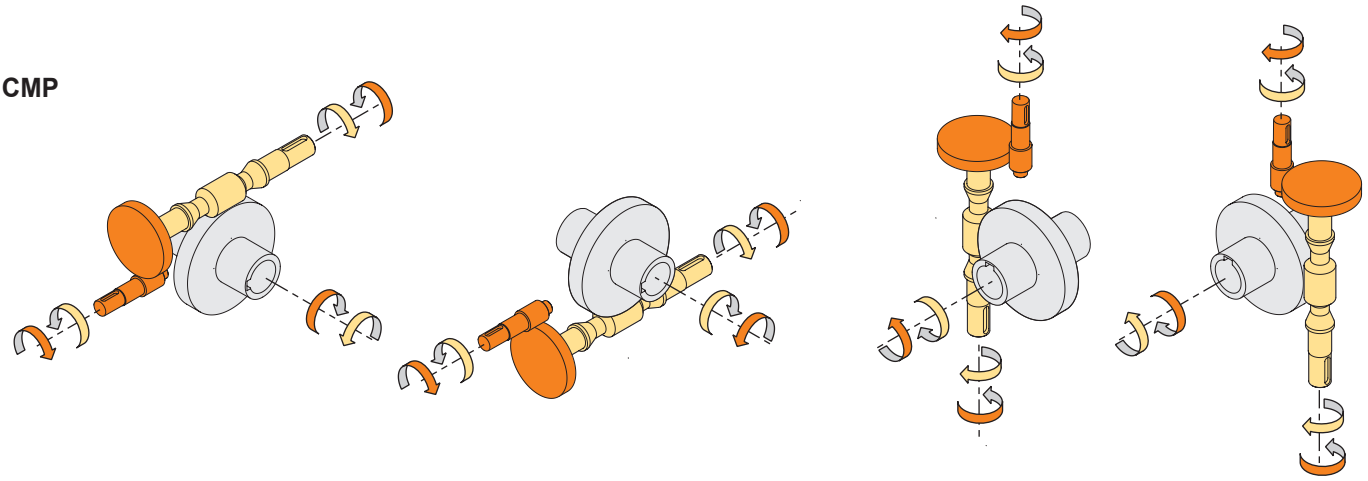
| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| **TS** | R1 pag. | **1-2-3-S**<br>**L1-L2** | **4** | **0.09 kW**<br>...<br>**2.2 kW** | **B5**<br>**B14** | **3 ph** | **230-400 V**<br>**275-480 V** | **50Hz**<br>**60Hz** | **T1** (Std)<br>**T4** **T2**<br>**T3** |

## Sensi di rotazione — *Direction of rotation*

**CM**



**CMP**



## Simbologia — *Symbols*

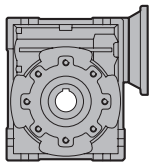
| | | | | | |
|---|---|---|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* | sf | | Fattore di servizio / *Service factor* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* | Rd | % | Rendimento dinamico / *Dynamic efficiency* |
| i | | Rapporto di riduzione /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

## Lubrificazione

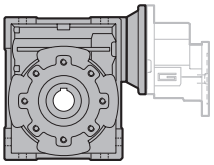
## *Lubrication*

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

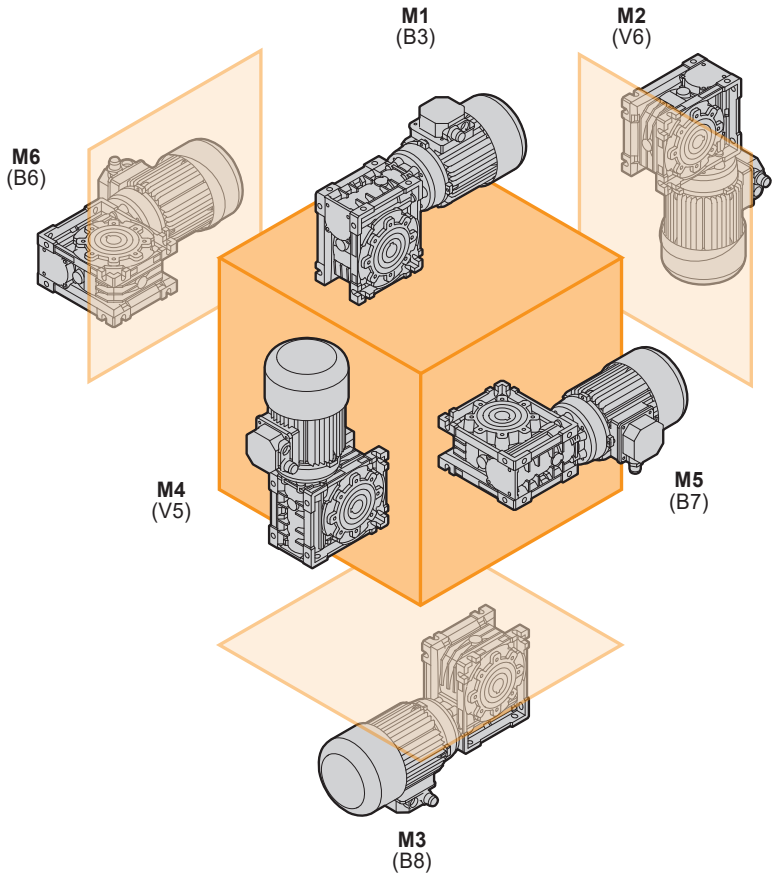
*Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.*



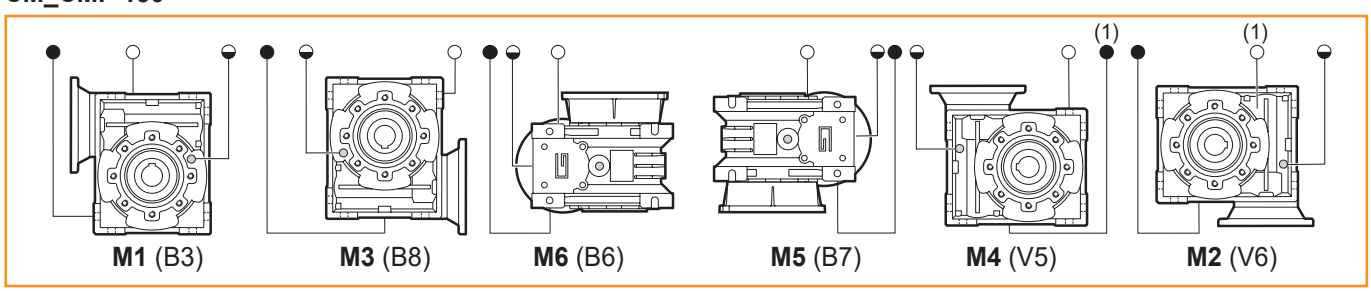
| CM | **Quantità di olio** (litri) / ***Oil quantity*** *(litres)* | | | | | |
|---|---|---|---|---|---|---|
| | **M1** (B3) | **M3** (B8) | **M6** (B6) | **M5** (B7) | **M4** (V5) | **M2** (V6) |
| **130** | 4.5 | 3.3 | 3.5 | 3.5 | 4.5 | 3.3 |



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




### CM_CMP 130

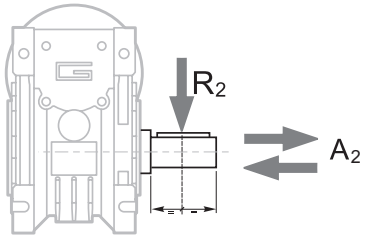



(standard)

(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*

## Carichi radiali — *Radial loads*

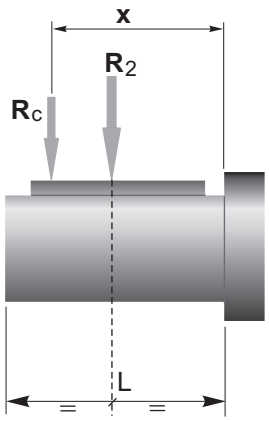



$A_2 = R_2 \times 0.2$

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

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

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




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

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

$$R \leq R_c$$

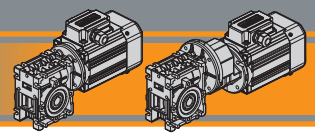
*a, b = valori riportati nella tabella*
*a, b = values given in the table*

**Nota:**
I carichi radiali fanno riferimento agli alberi di uscita a pag. G37.

***Note:***
*Radial loads refer to output shafts at pag. G37.*

**Nota:**
In caso di carico radiale applicato su entrambi i lati dell'albero di uscita doppio è necessario dimezzare il valore massimo da tabella che sarà riferito ad ogni lato

***Note:***
*For radial loads applied in both sides of double output shaft it is necessary to halve the values of the tables for each side of the shaft.*



## Dati di dentatura — *Toothing data*

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

## Rendimento — *Efficiency*

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

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

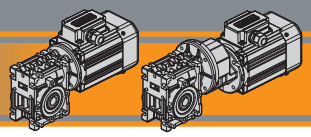
## Dati tecnici — $n_1$ 1400 min$^{-1}$ — *Technical data*

| | $n_2$ [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 | 1.5 | 50 |
| | **23** | 352 | 1.2 | 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 | 2.7 | 50 |
| | **23** | 626 | 2.1 | 60 |
| | **18** | 562 | 1.5 | 80 |
| | **14** | 523 | 1.2 | 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 |

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



## Dati tecnici — *Technical data*

### 0.04 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT5014 | **280** | 1 | 11.0 | 5 | **CM026** | | **B14** |
| SMM5014 | **187** | 2 | 8.1 | 7.5 | **CM026** | | **B14** |
| (1400 min$^{-1}$) | **140** | 2 | 6.2 | 10 | **CM026** | | **B14** |
| | **93** | 3 | 4.4 | 15 | **CM026** | | **B14** |
| | **70** | 4 | 3.5 | 20 | **CM026** | | **B14** |
| | **47** | 5 | 2.8 | 30 | **CM026** | | **B14** |
| | **35** | 7 | 2.1 | 40 | **CM026** | | **B14** |
| | **28** | 8 | 1.7 | 50 | **CM026** | | **B14** |
| | **23** | 9 | 1.4 | 60 | **CM026** | | **B14** |
| | | | | | | | |
| | **280** | 1 | 15.3 | 5 | **CM030** | | **B14** |
| | **187** | 2 | 11.5 | 7.5 | **CM030** | | **B14** |
| | **140** | 2 | 9.2 | 10 | **CM030** | | **B14** |
| | **93** | 3 | 6.5 | 15 | **CM030** | | **B14** |
| | **70** | 4 | 4.6 | 20 | **CM030** | | **B14** |
| | **56** | 5 | 4.1 | 25 | **CM030** | | **B14** |
| | **47** | 5 | 4.0 | 30 | **CM030** | | **B14** |
| | **35** | 7 | 3.0 | 40 | **CM030** | | **B14** |
| | **28** | 8 | 2.4 | 50 | **CM030** | | **B14** |
| | **23** | 9 | 1.9 | 60 | **CM030** | | **B14** |
| | **23** | 11 | 2.4 | 60 | | **CMP056/030** | **B14** |
| | **19** | 13 | 2.1 | 75 | | **CMP056/030** | **B14** |
| | **18** | 10 | 1.4 | 80 | **CM030** | | **B14** |
| | **16** | 14 | 2.3 | 90 | | **CMP056/030** | **B14** |
| | **14** | 12 | 1.2 | 100 | **CM030** | | **B14** |
| | **12** | 17 | 1.7 | 120 | | **CMP056/030** | **B14** |
| | **9.3** | 20 | 1.4 | 150 | | **CMP056/030** | **B14** |
| | | | | | | | |
| | **28** | 8 | 4.8 | 50 | **CM040** | | **B14** |
| | **23** | 9 | 3.8 | 60 | **CM040** | | **B14** |
| | **23** | 11 | 5.2 | 60 | | **CMP056/040** | **B14** |
| | **19** | 13 | 3.9 | 75 | | **CMP056/040** | **B14** |
| | **18** | 11 | 2.9 | 80 | **CM040** | | **B14** |
| | **16** | 15 | 4.7 | 90 | | **CMP056/040** | **B14** |
| | **14** | 13 | 2.5 | 100 | **CM040** | | **B14** |
| | **12** | 19 | 3.3 | 120 | | **CMP056/040** | **B14** |
| | **9.3** | 21 | 2.7 | 150 | | **CMP056/040** | **B14** |
| | **7.8** | 24 | 2.3 | 180 | | **CMP056/040** | **B14** |
| | **5.8** | 28 | 1.7 | 240 | | **CMP056/040** | **B14** |
| | **4.7** | 30 | 1.4 | 300 | | **CMP056/040** | **B14** |

### 0.06 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT5024 | **280** | 2 | 7.3 | 5 | **CM026** | | **B14** |
| SMM5024 | **187** | 3 | 5.4 | 7.5 | **CM026** | | **B14** |
| (1400 min$^{-1}$) | **140** | 3 | 4.1 | 10 | **CM026** | | **B14** |
| | **93** | 5 | 2.9 | 15 | **CM026** | | **B14** |
| | **70** | 6 | 2.3 | 20 | **CM026** | | **B14** |
| | **47** | 8 | 1.9 | 30 | **CM026** | | **B14** |
| | **35** | 10 | 1.4 | 40 | **CM026** | | **B14** |
| | **28** | 12 | 1.1 | 50 | **CM026** | | **B14** |
| | **23** | 13 | 0.9 | 60 | **CM026** | | **B14** |

### 0.06 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT5024 | **280** | 2 | 10.2 | 5 | **CM030** | | **B14** |
| SMM5024 | **187** | 3 | 7.7 | 7.5 | **CM030** | | **B14** |
| (1400 min$^{-1}$) | **140** | 3 | 6.1 | 10 | **CM030** | | **B14** |
| | **93** | 5 | 4.3 | 15 | **CM030** | | **B14** |
| | **70** | 6 | 3.1 | 20 | **CM030** | | **B14** |
| | **56** | 7 | 2.7 | 25 | **CM030** | | **B14** |
| | **47** | 8 | 2.7 | 30 | **CM030** | | **B14** |
| | **35** | 10 | 2.0 | 40 | **CM030** | | **B14** |
| | **28** | 12 | 1.6 | 50 | **CM030** | | **B14** |
| | **23** | 14 | 1.3 | 60 | **CM030** | | **B14** |
| | **23** | 16 | 1.6 | 60 | | **CMP056/030** | **B14** |
| | **19** | 19 | 1.4 | 75 | | **CMP056/030** | **B14** |
| | **18** | 16 | 1.0 | 80 | **CM030** | | **B14** |
| | **16** | 21 | 1.5 | 90 | | **CMP056/030** | **B14** |
| | **14** | 18 | 0.8 | 100 | **CM030** | | **B14** |
| | **12** | 26 | 1.1 | 120 | | **CMP056/030** | **B14** |
| | **9.3** | 29 | 0.9 | 150 | | **CMP056/030** | **B14** |
| | | | | | | | |
| | **28** | 12 | 3.2 | 50 | **CM040** | | **B14** |
| | **23** | 14 | 2.5 | 60 | **CM040** | | **B14** |
| | **23** | 17 | 3.4 | 60 | | **CMP056/040** | **B14** |
| | **19** | 20 | 2.6 | 75 | | **CMP056/040** | **B14** |
| | **18** | 17 | 1.9 | 80 | **CM040** | | **B14** |
| | **16** | 23 | 3.1 | 90 | | **CMP056/040** | **B14** |
| | **14** | 19 | 1.6 | 100 | **CM040** | | **B14** |
| | **12** | 28 | 2.2 | 120 | | **CMP056/040** | **B14** |
| | **9.3** | 32 | 1.8 | 150 | | **CMP056/040** | **B14** |
| | **7.8** | 35 | 1.5 | 180 | | **CMP056/040** | **B14** |
| | **5.8** | 41 | 1.1 | 240 | | **CMP056/040** | **B14** |
| | **4.7** | 46 | 0.9 | 300 | | **CMP056/040** | **B14** |

### 0.09 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT5034 | **280** | 3 | 4.9 | 5 | **CM026** | | **B14** |
| SMM5034 | **187** | 4 | 3.6 | 7.5 | **CM026** | | **B14** |
| SMT5624 | **140** | 5 | 2.7 | 10 | **CM026** | | **B14** |
| SMM5624 | **93** | 7 | 1.9 | 15 | **CM026** | | **B14** |
| (1400 min$^{-1}$) | **70** | 9 | 1.5 | 20 | **CM026** | | **B14** |
| | **47** | 12 | 1.2 | 30 | **CM026** | | **B14** |
| | **35** | 15 | 0.9 | 40 | **CM026** | | **B14** |
| | | | | | | | |
| TS5624-B14 | **280** | 3 | 6.8 | 5 | **CM030** | | **B5/B14** |
| **TS5624-B5** | **187** | 4 | 5.1 | 7.5 | **CM030** | | **B5/B14** |
| (1400 min$^{-1}$) | **140** | 5 | 4.1 | 10 | **CM030** | | **B5/B14** |
| | **93** | 7 | 2.9 | 15 | **CM030** | | **B5/B14** |
| | **70** | 9 | 2.1 | 20 | **CM030** | | **B5/B14** |
| | **56** | 11 | 1.8 | 25 | **CM030** | | **B5/B14** |
| | **47** | 12 | 1.8 | 30 | **CM030** | | **B5/B14** |
| | **35** | 15 | 1.3 | 40 | **CM030** | | **B5/B14** |
| | **28** | 18 | 1.1 | 50 | **CM030** | | **B5/B14** |
| | **23** | 20 | 0.8 | 60 | **CM030** | | **B5/B14** |

| IEC | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| Motori *Motors* | 5014<br>5024<br>5034 | 5624 | 5014<br>5024<br>5034 | 5624 | 5624 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 |

## Dati tecnici

*Technical data*

### 0.09 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5034 | **23** | 24 | 1.1 | 60 | | **CMP056/030** | **B14** |
| SMM5034 | **19** | 29 | 0.9 | 75 | | **CMP056/030** | **B14** |
| SMT5624 | **16** | 32 | 1.0 | 90 | | **CMP056/030** | **B14** |
| SMM5624 | **12** | 38 | 0.8 | 120 | | **CMP056/030** | **B14** |
| (1400 min$^{-1}$) | | | | | | | |
| SMT SMM | **35** | 16 | 2.6 | 40 | **CM040** | | **B5/B14** |
| | **28** | 18 | 2.1 | 50 | **CM040** | | **B5/B14** |
| | **23** | 21 | 1.7 | 60 | **CM040** | | **B5/B14** |
| TS5624-B14 | **23** | 25 | 2.3 | 60 | | **CMP056/040** | **B14** |
| **TS5624-B5** | **19** | 30 | 1.7 | 75 | | **CMP056/040** | **B14** |
| (1400 min$^{-1}$) | **18** | 26 | 1.3 | 80 | **CM040** | | **B5/B14** |
| | **16** | 34 | 2.1 | 90 | | **CMP056/040** | **B14** |
| | **14** | 28 | 1.1 | 100 | **CM040** | | **B5/B14** |
| | **12** | 42 | 1.5 | 120 | | **CMP056/040** | **B14** |
| | **9.3** | 48 | 1.2 | 150 | | **CMP056/040** | **B14** |
| | **7.8** | 53 | 1.0 | 180 | | **CMP056/040** | **B14** |
| | **5.8** | 62 | 0.8 | 240 | | **CMP056/040** | **B14** |

### 0.12 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5044 | **280** | 4 | 3.7 | 5 | **CM026** | | **B14** |
| SMT5634 | **187** | 5 | 2.7 | 7.5 | **CM026** | | **B14** |
| SMM5634 | **140** | 7 | 2.1 | 10 | **CM026** | | **B14** |
| (1400 min$^{-1}$) | **93** | 10 | 1.5 | 15 | **CM026** | | **B14** |
| | **70** | 12 | 1.2 | 20 | **CM026** | | **B14** |
| | **47** | 16 | 0.9 | 30 | **CM026** | | **B14** |
| SMT SMM | | | | | | | |
| | **280** | 4 | 5.1 | 5 | **CM030** | | **B14** |
| | **187** | 5 | 3.8 | 7.5 | **CM030** | | **B14** |
| | **140** | 7 | 3.1 | 10 | **CM030** | | **B14** |
| | **93** | 10 | 2.2 | 15 | **CM030** | | **B14** |
| | **70** | 12 | 1.5 | 20 | **CM030** | | **B14** |
| | **56** | 15 | 1.4 | 25 | **CM030** | | **B14** |
| | **47** | 16 | 1.3 | 30 | **CM030** | | **B14** |
| | **35** | 20 | 1.0 | 40 | **CM030** | | **B14** |
| | **28** | 24 | 0.8 | 50 | **CM030** | | **B14** |
| | | | | | | | |
| | **280** | 4 | 11.4 | 5 | **CM040** | | **B14** |
| | **187** | 5 | 8.3 | 7.5 | **CM040** | | **B14** |
| | **140** | 7 | 6.5 | 10 | **CM040** | | **B14** |
| | **93** | 10 | 4.5 | 15 | **CM040** | | **B14** |
| | **70** | 13 | 3.1 | 20 | **CM040** | | **B14** |
| | **56** | 15 | 2.5 | 25 | **CM040** | | **B14** |
| | **47** | 17 | 2.8 | 30 | **CM040** | | **B14** |
| | **35** | 21 | 2.0 | 40 | **CM040** | | **B14** |
| | **28** | 25 | 1.6 | 50 | **CM040** | | **B14** |
| | **23** | 28 | 1.3 | 60 | **CM040** | | **B14** |
| | **23** | 34 | 1.7 | 60 | | **CMP056/040** | **B14** |
| | **19** | 40 | 1.3 | 75 | | **CMP056/040** | **B14** |
| | **18** | 34 | 1.0 | 80 | **CM040** | | **B14** |

### 0.12 - IEC 56

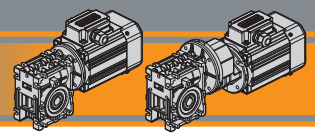
| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5044 | **16** | 45 | 1.6 | 90 | | **CMP056/040** | **B14** |
| SMT5634 | **14** | 38 | 0.8 | 100 | **CM040** | | **B14** |
| SMM5634 | **12** | 56 | 1.1 | 120 | | **CMP056/040** | **B14** |
| (1400 min$^{-1}$) | **9** | 64 | 1.0 | 150 | | **CMP056/040** | **B14** |
| SMT SMM | | | | | | | |

### 0.12 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| TS6314 | **280** | 4 | 5.1 | 5 | **CM030** | | **B5/B14** |
| (1400 min$^{-1}$) | **187** | 5 | 3.8 | 7.5 | **CM030** | | **B5/B14** |
| | **140** | 7 | 3.1 | 10 | **CM030** | | **B5/B14** |
| | **93** | 10 | 2.2 | 15 | **CM030** | | **B5/B14** |
| | **70** | 12 | 1.5 | 20 | **CM030** | | **B5/B14** |
| | **56** | 15 | 1.4 | 25 | **CM030** | | **B5/B14** |
| | **47** | 16 | 1.3 | 30 | **CM030** | | **B5/B14** |
| | **35** | 20 | 1.0 | 40 | **CM030** | | **B5/B14** |
| | **28** | 24 | 0.8 | 50 | **CM030** | | **B5/B14** |
| | | | | | | | |
| | **280** | 4 | 11.4 | 5 | **CM040** | | **B5/B14** |
| | **187** | 5 | 8.3 | 7.5 | **CM040** | | **B5/B14** |
| | **140** | 7 | 6.5 | 10 | **CM040** | | **B5/B14** |
| | **93** | 10 | 4.5 | 15 | **CM040** | | **B5/B14** |
| | **70** | 13 | 3.1 | 20 | **CM040** | | **B5/B14** |
| | **56** | 15 | 2.5 | 25 | **CM040** | | **B5/B14** |
| | **47** | 17 | 2.8 | 30 | **CM040** | | **B5/B14** |
| | **35** | 21 | 2.0 | 40 | **CM040** | | **B5/B14** |
| | **28** | 25 | 1.6 | 50 | **CM040** | | **B5/B14** |
| | **23** | 28 | 1.3 | 60 | **CM040** | | **B5/B14** |
| | **23** | 34 | 1.7 | 60 | | **CMP063/040** | **B14** |
| | **19** | 40 | 1.3 | 75 | | **CMP063/040** | **B14** |
| | **18** | 34 | 1.0 | 80 | **CM040** | | **B5/B14** |
| | **16** | 45 | 1.6 | 90 | | **CMP063/040** | **B14** |
| | **14** | 38 | 0.8 | 100 | **CM040** | | **B5/B14** |
| | **12** | 56 | 1.1 | 120 | | **CMP063/040** | **B14** |
| | | | | | | | |
| | **35** | 22 | 3.5 | 40 | **CM050** | | **B5/B14** |
| | **28** | 26 | 2.8 | 50 | **CM050** | | **B5/B14** |
| | **23** | 29 | 2.3 | 60 | **CM050** | | **B5/B14** |
| | **23** | 34 | 3.0 | 60 | | **CMP063/050** | **B14** |
| | **19** | 40 | 2.3 | 75 | | **CMP063/050** | **B14** |
| | **18** | 35 | 1.7 | 80 | **CM050** | | **B5/B14** |
| | **16** | 47 | 2.7 | 90 | | **CMP063/050** | **B14** |
| | **14** | 40 | 1.4 | 100 | **CM050** | | **B5/B14** |
| | **12** | 57 | 1.9 | 120 | | **CMP063/050** | **B14** |
| | **9.3** | 66 | 1.6 | 150 | | **CMP063/050** | **B14** |
| | **7.8** | 74 | 1.3 | 180 | | **CMP063/050** | **B14** |
| | **5.8** | 85 | 1.0 | 240 | | **CMP063/050** | **B14** |
| | | | | | | | |
| | **14** | 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** |

IEC

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 5034<br>5044 | 5624<br>5634 | 5034 | 5624<br>5634 | 5624 | 6314 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 | 63 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.18 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5644 | **280** | 5.3 | 2.4 | 5 | **CM026** | | | **B14** |
| SMM5644 | **187** | 7.7 | 1.8 | 7.5 | **CM026** | | | **B14** |
| (1400 min$^{-1}$) | **140** | 10 | 1.4 | 10 | **CM026** | | | **B14** |
| | **93** | 14 | 1.0 | 15 | **CM026** | | | **B14** |
| SMT SMM | **70** | 18 | 0.8 | 20 | **CM026** | | | **B14** |
| | | | | | | | | |
| | **280** | 5 | 3.4 | 5 | **CM030** | | | **B14** |
| | **187** | 8 | 2.6 | 7.5 | **CM030** | | | **B14** |
| | **140** | 10 | 2.0 | 10 | **CM030** | | | **B14** |
| | **93** | 15 | 1.4 | 15 | **CM030** | | | **B14** |
| | **70** | 18 | 1.0 | 20 | **CM030** | | | **B14** |
| | **56** | 22 | 0.9 | 25 | **CM030** | | | **B14** |
| | **47** | 25 | 0.9 | 30 | **CM030** | | | **B14** |
| | | | | | | | | |
| | **280** | 5 | 7.6 | 5 | **CM040** | | | **B14** |
| | **187** | 8 | 5.6 | 7.5 | **CM040** | | | **B14** |
| | **140** | 10 | 4.4 | 10 | **CM040** | | | **B14** |
| | **93** | 15 | 3.0 | 15 | **CM040** | | | **B14** |
| | **70** | 19 | 2.1 | 20 | **CM040** | | | **B14** |
| | **56** | 23 | 1.7 | 25 | **CM040** | | | **B14** |
| | **47** | 26 | 1.9 | 30 | **CM040** | | | **B14** |
| | **35** | 32 | 1.3 | 40 | **CM040** | | | **B14** |
| | **28** | 37 | 1.1 | 50 | **CM040** | | | **B14** |
| | **23** | 43 | 0.8 | 60 | **CM040** | | | **B14** |
| | **23** | 51 | 1.1 | 60 | | **CMP056/040** | | **B14** |
| | **19** | 60 | 0.9 | 75 | | **CMP056/040** | | **B14** |
| | **16** | 68 | 1.0 | 90 | | **CMP056/040** | | **B14** |

### 0.18 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT6324 | **280** | 5 | 3.4 | 5 | **CM030** | | | **B5/B14** |
| SMM6324 | **187** | 8 | 2.6 | 7.5 | **CM030** | | | **B5/B14** |
| (1400 min$^{-1}$) | **140** | 10 | 2.0 | 10 | **CM030** | | | **B5/B14** |
| | **93** | 15 | 1.4 | 15 | **CM030** | | | **B5/B14** |
| SMT SMM | **70** | 18 | 1.0 | 20 | **CM030** | | | **B5/B14** |
| | **56** | 22 | 0.9 | 25 | **CM030** | | | **B5/B14** |
| TS6324-B14 | **47** | 25 | 0.9 | 30 | **CM030** | | | **B5/B14** |
| **TS6324-B5** | | | | | | | | |
| (1400 min$^{-1}$) | **280** | 5 | 7.6 | 5 | **CM040** | | | **B5/B14** |
| | **187** | 8 | 5.6 | 7.5 | **CM040** | | | **B5/B14** |
| | **140** | 10 | 4.4 | 10 | **CM040** | | | **B5/B14** |
| | **93** | 15 | 3.0 | 15 | **CM040** | | | **B5/B14** |
| | **70** | 19 | 2.1 | 20 | **CM040** | | | **B5/B14** |
| | **56** | 23 | 1.7 | 25 | **CM040** | | | **B5/B14** |
| | **47** | 26 | 1.9 | 30 | **CM040** | | | **B5/B14** |
| | **35** | 32 | 1.3 | 40 | **CM040** | | | **B5/B14** |
| | **28** | 37 | 1.1 | 50 | **CM040** | | | **B5/B14** |
| | **23** | 43 | 0.8 | 60 | **CM040** | | | **B5/B14** |
| | **23** | 51 | 1.1 | 60 | | **CMP063/040** | | **B14** |
| | **19** | 60 | 0.9 | 75 | | **CMP063/040** | | **B14** |
| | **16** | 68 | 1.0 | 90 | | **CMP063/040** | | **B14** |

### 0.18 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT6324 | **35** | 33 | 2.3 | 40 | **CM050** | | | **B5/B14** |
| SMM6324 | **28** | 39 | 1.9 | 50 | **CM050** | | | **B5/B14** |
| (1400 min$^{-1}$) | **23** | 44 | 1.6 | 60 | **CM050** | | | **B5/B14** |
| | **23** | 51 | 2.0 | 60 | | **CMP063/050** | | **B14** |
| SMT SMM | **19** | 60 | 1.5 | 75 | | **CMP063/050** | | **B14** |
| | **18** | 53 | 1.1 | 80 | **CM050** | | | **B5/B14** |
| TS6324-B14 | **16** | 70 | 1.8 | 90 | | **CMP063/050** | | **B14** |
| **TS6324-B5** | **14** | 60 | 0.9 | 100 | **CM050** | | | **B5/B14** |
| (1400 min$^{-1}$) | **12** | 85 | 1.3 | 120 | | **CMP063/050** | | **B14** |
| | **9.3** | 99 | 1.0 | 150 | | **CMP063/050** | | **B14** |
| | **7.8** | 110 | 0.9 | 180 | | **CMP063/050** | | **B14** |
| | | | | | | | | |
| | **23** | 46 | 2.7 | 60 | **CM063** | | | **B5** |
| | **23** | 53 | 3.6 | 60 | | **CMP063/063** | | **B14** |
| | **19** | 63 | 2.7 | 75 | | **CMP063/063** | | **B14** |
| | **18** | 56 | 2.1 | 80 | **CM063** | | | **B5** |
| | **16** | 69 | 3.4 | 90 | | **CMP063/063** | | **B14** |
| | **14** | 64 | 1.8 | 100 | **CM063** | | | **B5** |
| | **12** | 87 | 2.4 | 120 | | **CMP063/063** | | **B14** |
| | **9.3** | 103 | 1.9 | 150 | | **CMP063/063** | | **B14** |
| | **7.8** | 115 | 1.6 | 180 | | **CMP063/063** | | **B14** |
| | **5.8** | 136 | 1.1 | 240 | | **CMP063/063** | | **B14** |
| | **4.7** | 152 | 0.9 | 300 | | **CMP063/063** | | **B14** |

### 0.25 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5654 | **280** | 7 | 1.8 | 5 | **CM026** | | | **B14** |
| (1400 min$^{-1}$) | **187** | 11 | 1.3 | 8 | **CM026** | | | **B14** |
| | **140** | 14 | 1.0 | 10 | **CM026** | | | **B14** |
| SMT SMM | | | | | | | | |
| | **280** | 7.3 | 2.5 | 5 | **CM030** | | | **B14** |
| | **187** | 11 | 1.8 | 7.5 | **CM030** | | | **B14** |
| | **140** | 14 | 1.5 | 10 | **CM030** | | | **B14** |
| | **93** | 20 | 1.0 | 15 | **CM030** | | | **B14** |
| | | | | | | | | |
| | **280** | 8 | 5.5 | 5 | **CM040** | | | **B14** |
| | **187** | 11 | 4.0 | 7.5 | **CM040** | | | **B14** |
| | **140** | 14 | 3.1 | 10 | **CM040** | | | **B14** |
| | **93** | 21 | 2.2 | 15 | **CM040** | | | **B14** |
| | **70** | 27 | 1.5 | 20 | **CM040** | | | **B14** |
| | **56** | 32 | 1.2 | 25 | **CM040** | | | **B14** |
| | **47** | 36 | 1.3 | 30 | **CM040** | | | **B14** |
| | **35** | 44 | 0.9 | 40 | **CM040** | | | **B14** |
| | **28** | 51 | 0.8 | 50 | **CM040** | | | **B14** |

IEC

| Motori *Motors* | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| | 5644<br>5654 | 6324 | 5644 | 6324 | 6324 |
| IEC | 56 B14 | 63 B14 | 56 B14 | 63 B14 | 63 B5 / B14 |

## Dati tecnici

*Technical data*

### 0.25 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT6334 | 280 | 7.3 | 2.5 | 5 | CM030 | | B5/B14 |
| SMM6334 | 187 | 11 | 1.8 | 7.5 | CM030 | | B5/B14 |
| (1400 min$^{-1}$) | 140 | 14 | 1.5 | 10 | CM030 | | B5/B14 |
| | 93 | 20 | 1.0 | 15 | CM030 | | B5/B14 |
| SMT-SMM | | | | | | | |
| | 280 | 7.5 | 5.5 | 5 | CM040 | | B5/B14 |
| TS6334-B14 | 187 | 11 | 4.0 | 7.5 | CM040 | | B5/B14 |
| TS6334-B5 | 140 | 14 | 3.1 | 10 | CM040 | | B5/B14 |
| (1400 min$^{-1}$) | 93 | 21 | 2.2 | 15 | CM040 | | B5/B14 |
| | 70 | 27 | 1.5 | 20 | CM040 | | B5/B14 |
| | 56 | 32 | 1.2 | 25 | CM040 | | B5/B14 |
| | 47 | 36 | 1.3 | 30 | CM040 | | B5/B14 |
| | 35 | 44 | 0.9 | 40 | CM040 | | B5/B14 |
| | 28 | 51 | 0.8 | 50 | CM040 | | B5/B14 |
| | | | | | | | |
| | 70 | 27 | 2.7 | 20 | CM050 | | B5/B14 |
| | 56 | 32 | 2.2 | 25 | CM050 | | B5/B14 |
| | 47 | 37 | 2.4 | 30 | CM050 | | B5/B14 |
| | 35 | 46 | 1.7 | 40 | CM050 | | B5/B14 |
| | 28 | 54 | 1.3 | 50 | CM050 | | B5/B14 |
| | 23 | 61 | 1.1 | 60 | CM050 | | B5/B14 |
| | 23 | 71 | 1.4 | 60 | | CMP063/050 | B14 |
| | 19 | 84 | 1.1 | 75 | | CMP063/050 | B14 |
| | 18 | 74 | 0.8 | 80 | CM050 | | B5/B14 |
| | 16 | 98 | 1.3 | 90 | | CMP063/050 | B14 |
| | | | | | | | |
| | 28 | 56 | 2.4 | 50 | CM063 | | B5 |
| | 23 | 64 | 2.0 | 60 | CM063 | | B5 |
| | 23 | 73 | 2.6 | 60 | | CMP063/063 | B14 |
| | 19 | 88 | 2.0 | 75 | | CMP063/063 | B14 |
| | 18 | 78 | 1.5 | 80 | CM063 | | B5 |
| | 16 | 96 | 2.4 | 90 | | CMP063/063 | B14 |
| | 14 | 89 | 1.3 | 100 | CM063 | | B5 |
| | 12 | 120 | 1.7 | 120 | | CMP063/063 | B14 |
| | 9.3 | 143 | 1.3 | 150 | | CMP063/063 | B14 |
| | 7.8 | 159 | 1.1 | 180 | | CMP063/063 | B14 |

### 0.25 - IEC 71

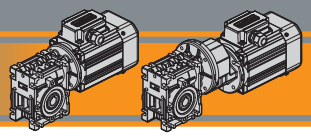
| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| TS7114 | 280 | 7.5 | 5.5 | 5 | CM040 | | B5/B14 |
| (1400 min$^{-1}$) | 187 | 11 | 4.0 | 7.5 | CM040 | | B5/B14 |
| | 140 | 14 | 3.1 | 10 | CM040 | | B5/B14 |
| | 93 | 21 | 2.2 | 15 | CM040 | | B5/B14 |
| | 70 | 27 | 1.5 | 20 | CM040 | | B5/B14 |
| | 56 | 32 | 1.2 | 25 | CM040 | | B5/B14 |
| | 47 | 36 | 1.3 | 30 | CM040 | | B5/B14 |
| | 35 | 44 | 0.9 | 40 | CM040 | | B5/B14 |

### 0.25 - IEC 71

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| TS7114 | 70 | 27 | 2.7 | 20 | CM050 | | B5/B14 |
| (1400 min$^{-1}$) | 56 | 32 | 2.2 | 25 | CM050 | | B5/B14 |
| | 47 | 37 | 2.4 | 30 | CM050 | | B5/B14 |
| | 35 | 46 | 1.7 | 40 | CM050 | | B5/B14 |
| | 28 | 54 | 1.3 | 50 | CM050 | | B5/B14 |
| | 23 | 61 | 1.1 | 60 | CM050 | | B5/B14 |
| | 23 | 71 | 1.4 | 60 | | CMP071/050 | B14 |
| | 19 | 84 | 1.1 | 75 | | CMP071/050 | B14 |
| | 18 | 74 | 0.8 | 80 | CM050 | | B5/B14 |
| | 16 | 98 | 1.3 | 90 | | CMP071/050 | B14 |
| | | | | | | | |
| | 28 | 56 | 2.4 | 50 | CM063 | | B5 |
| | 23 | 64 | 2.0 | 60 | CM063 | | B5 |
| | 23 | 73 | 2.6 | 60 | | CMP071/063 | B14 |
| | 19 | 88 | 2.0 | 75 | | CMP071/063 | B14 |
| | 18 | 78 | 1.5 | 80 | CM063 | | B5 |
| | 16 | 96 | 2.4 | 90 | | CMP071/063 | B14 |
| | 14 | 89 | 1.3 | 100 | CM063 | | B5 |
| | 12 | 120 | 1.7 | 120 | | CMP071/063 | B14 |
| | 9.3 | 143 | 1.3 | 150 | | CMP071/063 | B14 |
| | 7.8 | 159 | 1.1 | 180 | | CMP071/063 | B14 |
| | | | | | | | |
| | 18 | 82 | 1.9 | 80 | CM070 | | B5 |
| | 16 | 99 | 3.1 | 90 | | CMP071/070 | B14 |
| | 14 | 90 | 1.7 | 100 | CM070 | | B5 |
| | 12 | 122 | 2.2 | 120 | | CMP071/070 | B14 |
| | 9.3 | 143 | 1.8 | 150 | | CMP071/070 | B14 |
| | 7.8 | 159 | 1.4 | 180 | | CMP071/070 | B14 |
| | 5.8 | 189 | 1.1 | 240 | | CMP071/070 | B14 |
| | 4.7 | 211 | 1.0 | 300 | | CMP071/070 | B14 |
| | | | | | | | |
| | 18 | 82 | 2.4 | 80 | CM075 | | B5 |
| | 16 | 101 | 4.0 | 90 | | CMP071/075 | B14 |
| | 14 | 96 | 1.9 | 100 | CM075 | | B5 |
| | 12 | 124 | 2.9 | 120 | | CMP071/075 | B14 |
| | 9.3 | 145 | 2.3 | 150 | | CMP071/075 | B14 |
| | 7.8 | 162 | 1.9 | 180 | | CMP071/075 | B14 |
| | 5.8 | 193 | 1.4 | 240 | | CMP071/075 | B14 |
| | 4.7 | 216 | 1.1 | 300 | | CMP071/075 | B14 |
| | | | | | | | |
| | 7.8 | 177 | 2.8 | 180 | | CMP071/090 | B14 |
| | 5.8 | 209 | 2.2 | 240 | | CMP071/090 | B14 |
| | 4.7 | 236 | 1.7 | 300 | | CMP071/090 | B14 |

IEC

| Motori *Motors* | SMT | SMM | TS | |
|---|---|---|---|---|
| | 6334 | 6334 | 6334 | 7114 |
| IEC | 63 B14 | 63 B14 | 63 B5 / B14 | 71 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.37 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT6344 (1400 min$^{-1}$) | **280** | 11 | 1.7 | 5 | **CM030** | | | **B14** |
| | **187** | 16 | 1.2 | 7.5 | **CM030** | | | **B14** |
| | **140** | 21 | 1.0 | 10 | **CM030** | | | **B14** |
| | | | | | | | | |
| | **280** | 11 | 3.7 | 5 | **CM040** | | | **B14** |
| | **187** | 16 | 2.7 | 7.5 | **CM040** | | | **B14** |
| | **140** | 21 | 2.1 | 10 | **CM040** | | | **B14** |
| | **93** | 31 | 1.5 | 15 | **CM040** | | | **B14** |
| | **70** | 39 | 1.0 | 20 | **CM040** | | | **B14** |
| | **56** | 47 | 0.8 | 25 | **CM040** | | | **B14** |
| | **47** | 53 | 0.9 | 30 | **CM040** | | | **B14** |
| | | | | | | | | |
| | **93** | 31 | 2.6 | 15 | **CM050** | | | **B14** |
| | **70** | 40 | 1.8 | 20 | **CM050** | | | **B14** |
| | **56** | 48 | 1.5 | 25 | **CM050** | | | **B14** |
| | **47** | 55 | 1.6 | 30 | **CM050** | | | **B14** |
| | **35** | 68 | 1.1 | 40 | **CM050** | | | **B14** |
| | **28** | 80 | 0.9 | 50 | **CM050** | | | **B14** |
| | **23** | 91 | 0.8 | 60 | **CM050** | | | **B14** |
| | **23** | 105 | 1.0 | 60 | | **CMP063/050** | | **B14** |
| | **16** | 145 | 0.9 | 90 | | **CMP063/050** | | **B14** |
| | | | | | | | | |
| | **23** | 108 | 1.7 | 60 | | **CMP063/063** | | **B14** |
| | **19** | 130 | 1.3 | 75 | | **CMP063/063** | | **B14** |
| | **16** | 142 | 1.6 | 90 | | **CMP063/063** | | **B14** |
| | **12** | 178 | 1.2 | 120 | | **CMP063/063** | | **B14** |
| | **9.3** | 211 | 0.9 | 150 | | **CMP063/063** | | **B14** |

### 0.37 - IEC 71

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT7124 SMM7124 (1400 min$^{-1}$) TS7124-B14 **TS7124-B5** (1400 min$^{-1}$) | **280** | 11 | 3.7 | 5 | **CM040** | | | **B5/B14** |
| | **187** | 16 | 2.7 | 7.5 | **CM040** | | | **B5/B14** |
| | **140** | 21 | 2.1 | 10 | **CM040** | | | **B5/B14** |
| | **93** | 31 | 1.5 | 15 | **CM040** | | | **B5/B14** |
| | **70** | 39 | 1.0 | 20 | **CM040** | | | **B5/B14** |
| | **56** | 47 | 0.8 | 25 | **CM040** | | | **B5/B14** |
| | **47** | 53 | 0.9 | 30 | **CM040** | | | **B5/B14** |
| | | | | | | | | |
| | **93** | 31 | 2.6 | 15 | **CM050** | | | **B5/B14** |
| | **70** | 40 | 1.8 | 20 | **CM050** | | | **B5/B14** |
| | **56** | 48 | 1.5 | 25 | **CM050** | | | **B5/B14** |
| | **47** | 55 | 1.6 | 30 | **CM050** | | | **B5/B14** |
| | **35** | 68 | 1.1 | 40 | **CM050** | | | **B5/B14** |
| | **28** | 80 | 0.9 | 50 | **CM050** | | | **B5/B14** |
| | **23** | 91 | 0.8 | 60 | **CM050** | | | **B5/B14** |
| | **23** | 105 | 1.0 | 60 | | **CMP071/050** | | **B14** |
| | **16** | 145 | 0.9 | 90 | | **CMP071/050** | | **B14** |

### 0.37 - IEC 71

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT7124 SMM7124 (1400 min$^{-1}$) TS7124-B14 **TS7124-B5** (1400 min$^{-1}$) | **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** |
| | | | | | | | | |
| | **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** |
| | | | | | | | | |
| | **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** |
| | | | | | | | | |
| | **18** | 129 | 2.5 | 80 | **CM090** | | | **B5** |
| | **14** | 151 | 2.0 | 100 | **CM090** | | | **B5** |
| | **12** | 193 | 3.2 | 120 | | **CMP071/090** | | **B14** |
| | **9.3** | 226 | 2.4 | 150 | | **CMP071/090** | | **B14** |
| | **7.8** | 263 | 1.9 | 180 | | **CMP071/090** | | **B14** |
| | **5.8** | 309 | 1.5 | 240 | | **CMP071/090** | | **B14** |
| | **4.7** | 349 | 1.2 | 300 | | **CMP071/090** | | **B14** |

IEC

| Motori *Motors* | SMT | | SMM | TS |
|---|---|---|---|---|
| | 6344 | 7124 | 7124 | 7124 |
| IEC | 63 B14 | 71 B14 | 71 B14 | 71 B5 / B14 |

## Dati tecnici

*Technical data*

## 0.55 - IEC 71

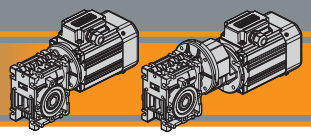
| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT7134 | 280 | 17 | 2.5 | 5 | CM040 | | B5/B14 |
| SMM7134 | 187 | 24 | 1.8 | 7.5 | CM040 | | B5/B14 |
| (1400 min$^{-1}$) | 140 | 32 | 1.4 | 10 | CM040 | | B5/B14 |
| | 93 | 46 | 1.0 | 15 | CM040 | | B5/B14 |
| SMT SMM | | | | | | | |
| | 140 | 32 | 2.6 | 10 | CM050 | | B5/B14 |
| TS7134-B14 | 93 | 46 | 1.8 | 15 | CM050 | | B5/B14 |
| TS7134-B5 | 70 | 59 | 1.2 | 20 | CM050 | | B5/B14 |
| (1400 min$^{-1}$) | 56 | 71 | 1.0 | 25 | CM050 | | B5/B14 |
| | 47 | 81 | 1.1 | 30 | CM050 | | B5/B14 |
| | 35 | 101 | 0.8 | 40 | CM050 | | B5/B14 |
| | | | | | | | |
| | 70 | 61 | 2.2 | 20 | CM063 | | B5/B14 |
| | 56 | 73 | 1.8 | 25 | CM063 | | B5/B14 |
| | 47 | 84 | 2.0 | 30 | CM063 | | B5/B14 |
| | 35 | 105 | 1.4 | 40 | CM063 | | B5/B14 |
| | 28 | 124 | 1.1 | 50 | CM063 | | B5/B14 |
| | 23 | 142 | 0.9 | 60 | CM063 | | B5/B14 |
| | 23 | 161 | 1.2 | 60 | | CMP071/063 | B14 |
| | 19 | 193 | 0.9 | 75 | | CMP071/063 | B14 |
| | 16 | 212 | 1.1 | 90 | | CMP071/063 | B14 |
| | | | | | | | |
| | 56 | 75 | 2.4 | 25 | CM070 | | B5 |
| | 35 | 108 | 1.9 | 40 | CM070 | | B5 |
| | 28 | 128 | 1.5 | 50 | CM070 | | B5 |
| | 23 | 146 | 1.2 | 60 | CM070 | | B5 |
| | 23 | 163 | 1.7 | 60 | | CMP071/070 | B14 |
| | 19 | 196 | 1.3 | 75 | | CMP071/070 | B14 |
| | 18 | 180 | 0.9 | 80 | CM070 | | B5 |
| | 16 | 218 | 1.6 | 90 | | CMP071/070 | B14 |
| | 12 | 269 | 1.1 | 120 | | CMP071/070 | B14 |
| | 9.3 | 314 | 0.9 | 150 | | CMP071/070 | B14 |
| | | | | | | | |
| | 35 | 110 | 2.3 | 40 | CM075 | | B5 |
| | 28 | 129 | 1.8 | 50 | CM075 | | B5 |
| | 23 | 149 | 1.5 | 60 | CM075 | | B5 |
| | 23 | 165 | 2.0 | 60 | | CMP071/075 | B14 |
| | 19 | 199 | 1.5 | 75 | | CMP071/075 | B14 |
| | 18 | 180 | 1.1 | 80 | CM075 | | B5 |
| | 16 | 222 | 1.8 | 90 | | CMP071/075 | B14 |
| | 14 | 210 | 0.9 | 100 | CM075 | | B5 |
| | 12 | 274 | 1.3 | 120 | | CMP071/075 | B14 |
| | 9.3 | 320 | 1.0 | 150 | | CMP071/075 | B14 |
| | 7.8 | 357 | 0.9 | 180 | | CMP071/075 | B14 |
| | | | | | | | |
| | 18 | 192 | 1.7 | 80 | CM090 | | B5 |
| | 16 | 232 | 3.0 | 90 | | CMP071/090 | B14 |
| | 14 | 225 | 1.3 | 100 | CM090 | | B5 |
| | 12 | 287 | 2.2 | 120 | | CMP071/090 | B14 |
| | 9.3 | 336 | 1.6 | 150 | | CMP071/090 | B14 |
| | 7.8 | 390 | 1.3 | 180 | | CMP071/090 | B14 |
| | 5.8 | 459 | 1.0 | 240 | | CMP071/090 | B14 |

## 0.55 - IEC 80

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| TS8014 | 140 | 32 | 2.6 | 10 | CM050 | | B5/B14 |
| (1400 min$^{-1}$) | 93 | 46 | 1.8 | 15 | CM050 | | B5/B14 |
| | 70 | 59 | 1.2 | 20 | CM050 | | B5/B14 |
| | 56 | 71 | 1.0 | 25 | CM050 | | B5/B14 |
| | 47 | 81 | 1.1 | 30 | CM050 | | B5/B14 |
| | | | | | | | |
| | 70 | 61 | 2.2 | 20 | CM063 | | B5/B14 |
| | 56 | 73 | 1.8 | 25 | CM063 | | B5/B14 |
| | 47 | 84 | 2.0 | 30 | CM063 | | B5/B14 |
| | 35 | 105 | 1.4 | 40 | CM063 | | B5/B14 |
| | 28 | 124 | 1.1 | 50 | CM063 | | B5/B14 |
| | 23 | 142 | 0.9 | 60 | CM063 | | B5/B14 |
| | 23 | 161 | 1.2 | 60 | | CMP080/063 | B14 |
| | 19 | 193 | 0.9 | 75 | | CMP080/063 | B14 |
| | 16 | 212 | 1.1 | 90 | | CMP080/063 | B14 |
| | | | | | | | |
| | 56 | 75 | 2.4 | 25 | CM070 | | B5/B14 |
| | 35 | 108 | 1.9 | 40 | CM070 | | B5/B14 |
| | 28 | 128 | 1.5 | 50 | CM070 | | B5/B14 |
| | 23 | 146 | 1.2 | 60 | CM070 | | B5/B14 |
| | 23 | 163 | 1.7 | 60 | | CMP080/070 | B14 |
| | 19 | 196 | 1.3 | 75 | | CMP080/070 | B14 |
| | 18 | 180 | 0.9 | 80 | CM070 | | B5/B14 |
| | 16 | 218 | 1.6 | 90 | | CMP080/070 | B14 |
| | 12 | 269 | 1.1 | 120 | | CMP080/070 | B14 |
| | | | | | | | |
| | 35 | 110 | 2.3 | 40 | CM075 | | B5/B14 |
| | 28 | 129 | 1.8 | 50 | CM075 | | B5/B14 |
| | 23 | 149 | 1.5 | 60 | CM075 | | B5/B14 |
| | 23 | 165 | 2.0 | 60 | | CMP080/075 | B14 |
| | 19 | 199 | 1.5 | 75 | | CMP080/075 | B14 |
| | 18 | 180 | 1.1 | 80 | CM075 | | B5/B14 |
| | 16 | 222 | 1.8 | 90 | | CMP080/075 | B14 |
| | 14 | 210 | 0.9 | 100 | CM075 | | B5/B14 |
| | 12 | 274 | 1.3 | 120 | | CMP080/075 | B14 |
| | 9.3 | 320 | 1.0 | 150 | | CMP080/075 | B14 |
| | | | | | | | |
| | 18 | 192 | 1.7 | 80 | CM090 | | B5/B14 |
| | 16 | 232 | 3.0 | 90 | | CMP080/090 | B14 |
| | 14 | 225 | 1.3 | 100 | CM090 | | B5/B14 |
| | 12 | 287 | 2.2 | 120 | | CMP080/090 | B14 |
| | 9.3 | 336 | 1.6 | 150 | | CMP080/090 | B14 |
| | 7.8 | 390 | 1.3 | 180 | | CMP080/090 | B14 |
| | 5.8 | 459 | 1.0 | 240 | | CMP080/090 | B14 |
| | | | | | | | |
| | 18 | 204 | 2.8 | 80 | CM110 | | B5 |
| | 14 | 240 | 2.2 | 100 | CM110 | | B5 |
| | 9.3 | 358 | 2.8 | 150 | | CMP080/110 | B14 |
| | 7.8 | 410 | 2.2 | 180 | | CMP080/110 | B14 |
| | 5.8 | 503 | 1.5 | 240 | | CMP080/110 | B14 |
| | 4.7 | 574 | 1.2 | 300 | | CMP080/110 | B14 |

IEC

| Motori *Motors* | SMT | SMM | TS | |
|---|---|---|---|---|
| | 7134 | 7134 | 7134 | 8014 |
| IEC | 71 B14 | 71 B14 | 71 B5 / B14 | 80 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.55 - IEC 80

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| TS8014 (1400 min$^{-1}$) | **7.8** | 424 | 2.6 | 180 | | **CMP080/130** | **B14** |
| | **5.8** | 512 | 1.9 | 240 | | **CMP080/130** | **B14** |
| | **4.7** | 585 | 1.5 | 300 | | **CMP080/130** | **B14** |

### 0.75 - IEC 71

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT7144 (1400 min$^{-1}$) SMT SMM | **280** | 23 | 1.8 | 5 | **CM040** | | **B5/B14** |
| | **187** | 33 | 1.3 | 7.5 | **CM040** | | **B5/B14** |
| | **140** | 43 | 1.0 | 10 | **CM040** | | **B5/B14** |
| | | | | | | | |
| | **280** | 23 | 3.3 | 5 | **CM050** | | **B5/B14** |
| TS7144-B14 | **187** | 33 | 2.4 | 7.5 | **CM050** | | **B5/B14** |
| **TS7144-B5** | **140** | 43 | 1.9 | 10 | **CM050** | | **B5/B14** |
| (1400 min$^{-1}$) | **93** | 63 | 1.3 | 15 | **CM050** | | **B5/B14** |
| | **70** | 81 | 0.9 | 20 | **CM050** | | **B5/B14** |
| | **47** | 111 | 0.8 | 30 | **CM050** | | **B5/B14** |
| | | | | | | | |
| | **93** | 64 | 2.4 | 15 | **CM063** | | **B5/B14** |
| | **70** | 83 | 1.6 | 20 | **CM063** | | **B5/B14** |
| | **56** | 100 | 1.4 | 25 | **CM063** | | **B5/B14** |
| | **47** | 115 | 1.4 | 30 | **CM063** | | **B5/B14** |
| | **35** | 143 | 1.0 | 40 | **CM063** | | **B5/B14** |
| | **28** | 169 | 0.8 | 50 | **CM063** | | **B5/B14** |
| | **23** | 220 | 0.9 | 60 | | **CMP071/063** | **B14** |
| | | | | | | | |
| | **56** | 102 | 1.8 | 25 | **CM070** | | **B5** |
| | **47** | 118 | 2.1 | 30 | **CM070** | | **B5** |
| | **35** | 149 | 1.4 | 40 | **CM070** | | **B5** |
| | **28** | 177 | 1.1 | 50 | **CM070** | | **B5** |
| | **23** | 203 | 0.9 | 60 | **CM070** | | **B5** |
| | **23** | 223 | 1.3 | 60 | | **CMP071/070** | **B14** |
| | **19** | 267 | 0.9 | 75 | | **CMP071/070** | **B14** |
| | **16** | 298 | 1.1 | 90 | | **CMP071/070** | **B14** |
| | | | | | | | |
| | **35** | 149 | 1.7 | 40 | **CM075** | | **B5** |
| | **28** | 177 | 1.3 | 50 | **CM075** | | **B5** |
| | **23** | 203 | 1.1 | 60 | **CM075** | | **B5** |
| | **23** | 226 | 1.5 | 60 | | **CMP071/075** | **B14** |
| | **19** | 271 | 1.1 | 75 | | **CMP071/075** | **B14** |
| | **18** | 246 | 0.8 | 80 | **CM075** | | **B5** |
| | **16** | 302 | 1.3 | 90 | | **CMP071/075** | **B14** |
| | **12** | 373 | 1.0 | 120 | | **CMP071/075** | **B14** |

### 0.75 - IEC 71

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT7144 (1400 min$^{-1}$) SMT SMM | **28** | 184 | 2.1 | 50 | **CM090** | | **B5** |
| | **23** | 212 | 1.6 | 60 | **CM090** | | **B5** |
| | **23** | 235 | 2.4 | 60 | | **CMP071/090** | **B14** |
| | **19** | 282 | 1.8 | 75 | | **CMP071/090** | **B14** |
| | **18** | 262 | 1.2 | 80 | **CM090** | | **B5** |
| TS7144-B14 | **16** | 316 | 2.2 | 90 | | **CMP071/090** | **B14** |
| **TS7144-B5** | **14** | 307 | 1.0 | 100 | **CM090** | | **B5** |
| (1400 min$^{-1}$) | **12** | 391 | 1.6 | 120 | | **CMP071/090** | **B14** |
| | **9.3** | 459 | 1.2 | 150 | | **CMP071/090** | **B14** |
| | **7.8** | 535 | 0.9 | 180 | | **CMP071/090** | **B14** |

### 0.75 - IEC 80

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT8024 IE3 SMM8024 (1400 min$^{-1}$) SMT SMM | **280** | 23 | 3.3 | 5 | **CM050** | | **B5/B14** |
| | **187** | 33 | 2.4 | 7.5 | **CM050** | | **B5/B14** |
| | **140** | 43 | 1.9 | 10 | **CM050** | | **B5/B14** |
| | **93** | 63 | 1.3 | 15 | **CM050** | | **B5/B14** |
| | **70** | 81 | 0.9 | 20 | **CM050** | | **B5/B14** |
| | **47** | 111 | 0.8 | 30 | **CM050** | | **B5/B14** |
| | | | | | | | |
| TS8024-B14 | **93** | 64 | 2.4 | 15 | **CM063** | | **B5/B14** |
| **TS8024-B5** | **70** | 83 | 1.6 | 20 | **CM063** | | **B5/B14** |
| (1400 min$^{-1}$) | **56** | 100 | 1.4 | 25 | **CM063** | | **B5/B14** |
| | **47** | 115 | 1.4 | 30 | **CM063** | | **B5/B14** |
| | **35** | 143 | 1.0 | 40 | **CM063** | | **B5/B14** |
| | **28** | 169 | 0.8 | 50 | **CM063** | | **B5/B14** |
| | **23** | 220 | 0.9 | 60 | | **CMP080/063** | **B14** |
| | | | | | | | |
| | **70** | 85 | 2.4 | 20 | **CM070** | | **B5/B14** |
| | **56** | 102 | 1.8 | 25 | **CM070** | | **B5/B14** |
| | **47** | 118 | 2.1 | 30 | **CM070** | | **B5/B14** |
| | **35** | 149 | 1.4 | 40 | **CM070** | | **B5/B14** |
| | **28** | 177 | 1.1 | 50 | **CM070** | | **B5/B14** |
| | **23** | 203 | 0.9 | 60 | **CM070** | | **B5/B14** |
| | **23** | 223 | 1.3 | 60 | | **CMP080/070** | **B14** |
| | **19** | 267 | 0.9 | 75 | | **CMP080/070** | **B14** |
| | **16** | 298 | 1.1 | 90 | | **CMP080/070** | **B14** |
| | | | | | | | |
| | **70** | 85 | 2.8 | 20 | **CM075** | | **B5/B14** |
| | **56** | 102 | 2.2 | 25 | **CM075** | | **B5/B14** |
| | **47** | 118 | 2.4 | 30 | **CM075** | | **B5/B14** |
| | **35** | 149 | 1.7 | 40 | **CM075** | | **B5/B14** |
| | **28** | 177 | 1.3 | 50 | **CM075** | | **B5/B14** |
| | **23** | 203 | 1.1 | 60 | **CM075** | | **B5/B14** |
| | **23** | 226 | 1.5 | 60 | | **CMP080/075** | **B14** |
| | **19** | 271 | 1.1 | 75 | | **CMP080/075** | **B14** |
| | **18** | 246 | 0.8 | 80 | **CM075** | | **B5/B14** |
| | **16** | 302 | 1.3 | 90 | | **CMP080/075** | **B14** |
| | **12** | 373 | 1.0 | 120 | | **CMP080/075** | **B14** |

| IEC | SMT | | SMM | TS | |
|---|---|---|---|---|---|
| Motori *Motors* | 7144 | 8024 IE3 | 8024 | 7144 | 8014 8024 |
| IEC | 71 B14 | 80 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 |

## Dati tecnici

*Technical data*

### 0.75 - IEC 80

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT8024 IE3 | **35** | 156 | 2.8 | 40 | **CM090** | | | B5/B14 |
| SMM8024 | **28** | 184 | 2.1 | 50 | **CM090** | | | B5/B14 |
| (1400 min$^{-1}$) | **23** | 212 | 1.6 | 60 | **CM090** | | | B5/B14 |
| SMT SMM | **23** | 235 | 2.4 | 60 | | **CMP080/090** | | B14 |
| | **19** | 282 | 1.8 | 75 | | **CMP080/090** | | B14 |
| | **18** | 262 | 1.2 | 80 | **CM090** | | | B5/B14 |
| TS8024-B14 | **16** | 316 | 2.2 | 90 | | **CMP080/090** | | B14 |
| TS8024-B5 | **14** | 307 | 1.0 | 100 | **CM090** | | | B5/B14 |
| (1400 min$^{-1}$) | **12** | 391 | 1.6 | 120 | | **CMP080/090** | | B14 |
| | **9.3** | 459 | 1.2 | 150 | | **CMP080/090** | | B14 |
| | **7.8** | 535 | 0.9 | 180 | | **CMP080/090** | | B14 |
| | | | | | | | | |
| | **23** | 224 | 2.8 | 60 | **CM110** | | | B5 |
| | **19** | 293 | 3.1 | 75 | | **CMP080/110** | | B14 |
| | **18** | 278 | 2.0 | 80 | **CM110** | | | B5 |
| | **16** | 325 | 3.5 | 90 | | **CMP080/110** | | B14 |
| | **14** | 327 | 1.6 | 100 | **CM110** | | | B5 |
| | **12** | 415 | 2.6 | 120 | | **CMP080/110** | | B14 |
| | **9.3** | 489 | 2.0 | 150 | | **CMP080/110** | | B14 |
| | **7.8** | 560 | 1.6 | 180 | | **CMP080/110** | | B14 |
| | **5.8** | 686 | 1.1 | 240 | | **CMP080/110** | | B14 |
| | **4.7** | 782 | 0.9 | 300 | | **CMP080/110** | | B14 |
| | | | | | | | | |
| | **14** | 327 | 2.2 | 100 | **CM130** | | | B5 |
| | **9.3** | 504 | 2.4 | 150 | | **CMP080/130** | | B14 |
| | **7.8** | 578 | 1.9 | 180 | | **CMP080/130** | | B14 |
| | **5.8** | 698 | 1.4 | 240 | | **CMP080/130** | | B14 |
| | **4.7** | 797 | 1.1 | 300 | | **CMP080/130** | | B14 |

### 1.1 - IEC 80

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT8034 IE3 | **280** | 33 | 2.2 | 5 | **CM050** | | | B5/B14 |
| (1400 min$^{-1}$) | **187** | 49 | 1.6 | 7.5 | **CM050** | | | B5/B14 |
| | **140** | 64 | 1.3 | 10 | **CM050** | | | B5/B14 |
| SMT SMM | **93** | 92 | 0.9 | 15 | **CM050** | | | B5/B14 |
| | | | | | | | | |
| TS8034-B14 | **280** | 34 | 4.0 | 5 | **CM063** | | | B5/B14 |
| TS8034-B5 | **187** | 50 | 2.9 | 7.5 | **CM063** | | | B5/B14 |
| (1400 min$^{-1}$) | **140** | 65 | 2.3 | 10 | **CM063** | | | B5/B14 |
| | **93** | 95 | 1.6 | 15 | **CM063** | | | B5/B14 |
| | **70** | 122 | 1.1 | 20 | **CM063** | | | B5/B14 |
| | **56** | 146 | 0.9 | 25 | **CM063** | | | B5/B14 |
| | **47** | 169 | 1.0 | 30 | **CM063** | | | B5/B14 |
| | | | | | | | | |
| | **93** | 95 | 2.3 | 15 | **CM070** | | | B5/B14 |
| | **70** | 125 | 1.6 | 20 | **CM070** | | | B5/B14 |
| | **56** | 150 | 1.2 | 25 | **CM070** | | | B5/B14 |
| | **47** | 173 | 1.4 | 30 | **CM070** | | | B5/B14 |
| | **35** | 219 | 1.0 | 40 | **CM070** | | | B5/B14 |
| | **23** | 326 | 0.9 | 60 | | **CMP080/070** | | B14 |

### 1.1 - IEC 80

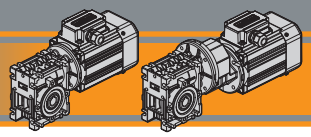
| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT8034 IE3 | **70** | 125 | 1.9 | 20 | **CM075** | | | B5/B14 |
| (1400 min$^{-1}$) | **56** | 150 | 1.5 | 25 | **CM075** | | | B5/B14 |
| SMT SMM | **47** | 173 | 1.7 | 30 | **CM075** | | | B5/B14 |
| | **35** | 219 | 1.1 | 40 | **CM075** | | | B5/B14 |
| | **28** | 259 | 0.9 | 50 | **CM075** | | | B5/B14 |
| TS8034-B14 | **23** | 331 | 1.0 | 60 | | **CMP080/075** | | B14 |
| TS8034-B5 | **19** | 397 | 0.8 | 75 | | **CMP080/075** | | B14 |
| (1400 min$^{-1}$) | **16** | 443 | 0.9 | 90 | | **CMP080/075** | | B14 |
| | | | | | | | | |
| | **35** | 228 | 1.9 | 40 | **CM090** | | | B5/B14 |
| | **28** | 270 | 1.4 | 50 | **CM090** | | | B5/B14 |
| | **23** | 311 | 1.1 | 60 | **CM090** | | | B5/B14 |
| | **23** | 344 | 1.7 | 60 | | **CMP080/090** | | B14 |
| | **19** | 414 | 1.2 | 75 | | **CMP080/090** | | B14 |
| | **18** | 384 | 0.8 | 80 | **CM090** | | | B5/B14 |
| | **16** | 463 | 1.5 | 90 | | **CMP080/090** | | B14 |
| | **12** | 574 | 1.1 | 120 | | **CMP080/090** | | B14 |
| | | | | | | | | |
| | **28** | 285 | 2.5 | 50 | **CM110** | | | B5 |
| | **23** | 329 | 1.9 | 60 | **CM110** | | | B5 |
| | **23** | 353 | 2.7 | 60 | | **CMP080/110** | | B14 |
| | **19** | 430 | 2.1 | 75 | | **CMP080/110** | | B14 |
| | **18** | 408 | 1.4 | 80 | **CM110** | | | B5 |
| | **16** | 477 | 2.4 | 90 | | **CMP080/110** | | B14 |
| | **14** | 480 | 1.1 | 100 | **CM110** | | | B5 |
| | **12** | 609 | 1.8 | 120 | | **CMP080/110** | | B14 |
| | **9.3** | 717 | 1.4 | 150 | | **CMP080/110** | | B14 |
| | **7.8** | 821 | 1.1 | 180 | | **CMP080/110** | | B14 |
| | | | | | | | | |
| | **23** | 324 | 3.0 | 60 | **CM130** | | | B5 |
| | **18** | 414 | 2.0 | 80 | **CM130** | | | B5 |
| | **16** | 477 | 3.1 | 90 | | **CMP080/130** | | B14 |
| | **14** | 480 | 1.5 | 100 | **CM130** | | | B5 |
| | **12** | 600 | 2.3 | 120 | | **CMP080/130** | | B14 |
| | **9.3** | 739 | 1.7 | 150 | | **CMP080/130** | | B14 |
| | **7.8** | 847 | 1.3 | 180 | | **CMP080/130** | | B14 |
| | **5.8** | 1024 | 0.9 | 240 | | **CMP080/130** | | B14 |

### 1.1 - IEC 90

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| TS90S4 | **280** | 34 | 4.0 | 5 | **CM063** | | | B5/B14 |
| (1400 min$^{-1}$) | **187** | 50 | 2.9 | 7.5 | **CM063** | | | B5/B14 |
| | **140** | 65 | 2.3 | 10 | **CM063** | | | B5/B14 |
| | **93** | 95 | 1.6 | 15 | **CM063** | | | B5/B14 |
| | **70** | 122 | 1.1 | 20 | **CM063** | | | B5/B14 |
| | **56** | 146 | 0.9 | 25 | **CM063** | | | B5/B14 |
| | **47** | 169 | 1.0 | 30 | **CM063** | | | B5/B14 |

IEC

| Motori *Motors* | SMT | SMM | TS | |
|---|---|---|---|---|
| | 8024 IE3<br>8034 IE3 | 8024 | 8024<br>8034 | 90S4 |
| IEC | 80 B14 | 80 B14 | 80 B5 / B14 | 80 B14 / B5 |



## Dati tecnici — *Technical data*

### 1.1 - IEC 90

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| TS90S4 (1400 min$^{-1}$) | **93** | 95 | 2.3 | 15 | **CM070** | | **B5/B14** |
| | **70** | 125 | 1.6 | 20 | **CM070** | | **B5/B14** |
| | **56** | 150 | 1.2 | 25 | **CM070** | | **B5/B14** |
| | **47** | 173 | 1.4 | 30 | **CM070** | | **B5/B14** |
| | **35** | 219 | 1.0 | 40 | **CM070** | | **B5/B14** |
| | **23** | 326 | 0.9 | 60 | | **CMP090/070** | **B5/B14** |
| | **70** | 125 | 1.9 | 20 | **CM075** | | **B5/B14** |
| | **56** | 150 | 1.5 | 25 | **CM075** | | **B5/B14** |
| | **47** | 173 | 1.7 | 30 | **CM075** | | **B5/B14** |
| | **35** | 219 | 1.1 | 40 | **CM075** | | **B5/B14** |
| | **28** | 259 | 0.9 | 50 | **CM075** | | **B5/B14** |
| | **23** | 331 | 1.0 | 60 | | **CMP090/075** | **B5/B14** |
| | **19** | 397 | 0.8 | 75 | | **CMP090/075** | **B5/B14** |
| | **16** | 443 | 0.9 | 90 | | **CMP090/075** | **B5/B14** |
| | **56** | 156 | 2.4 | 25 | **CM090** | | **B5/B14** |
| | **47** | 178 | 2.7 | 30 | **CM090** | | **B5/B14** |
| | **35** | 228 | 1.9 | 40 | **CM090** | | **B5/B14** |
| | **28** | 270 | 1.4 | 50 | **CM090** | | **B5/B14** |
| | **23** | 311 | 1.1 | 60 | **CM090** | | **B5/B14** |
| | **23** | 344 | 1.7 | 60 | | **CMP090/090** | **B5/B14** |
| | **19** | 414 | 1.2 | 75 | | **CMP090/090** | **B5/B14** |
| | **18** | 384 | 0.8 | 80 | **CM090** | | **B5/B14** |
| | **16** | 463 | 1.5 | 90 | | **CMP090/090** | **B5/B14** |
| | **12** | 574 | 1.1 | 120 | | **CMP090/090** | **B5/B14** |
| | **28** | 285 | 2.5 | 50 | **CM110** | | **B5/B14** |
| | **23** | 329 | 1.9 | 60 | **CM110** | | **B5/B14** |
| | **23** | 353 | 2.7 | 60 | | **CMP090/110** | **B5/B14** |
| | **19** | 430 | 2.1 | 75 | | **CMP090/110** | **B5/B14** |
| | **18** | 408 | 1.4 | 80 | **CM110** | | **B5/B14** |
| | **16** | 477 | 2.4 | 90 | | **CMP090/110** | **B5/B14** |
| | **14** | 480 | 1.1 | 100 | **CM110** | | **B5/B14** |
| | **12** | 609 | 1.8 | 120 | | **CMP090/110** | **B5/B14** |
| | **9.3** | 717 | 1.4 | 150 | | **CMP090/110** | **B5/B14** |
| | **7.8** | 821 | 1.1 | 180 | | **CMP090/110** | **B5/B14** |
| | **23** | 324 | 3.0 | 60 | **CM130** | | **B5** |
| | **18** | 414 | 2.0 | 80 | **CM130** | | **B5** |
| | **16** | 477 | 3.1 | 90 | | **CMP090/130** | **B5/B14** |
| | **14** | 480 | 1.5 | 100 | **CM130** | | **B5/B14** |
| | **12** | 600 | 2.3 | 120 | | **CMP090/130** | **B5/B14** |
| | **9.3** | 739 | 1.7 | 150 | | **CMP090/130** | **B5/B14** |
| | **7.8** | 847 | 1.3 | 180 | | **CMP090/130** | **B5/B14** |
| | **5.8** | 1024 | 0.9 | 240 | | **CMP090/130** | **B5/B14** |

### 1.5 - IEC 90

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT9024 IE3 (1400 min$^{-1}$) SMT SMM | **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** |
| TS90L14-B14 | | | | | | | |
| **TS90L14-B5** (1400 min$^{-1}$) | **140** | 89 | 2.4 | 10 | **CM070** | | **B5/B14** |
| | **93** | 129 | 1.7 | 15 | **CM070** | | **B5/B14** |
| | **70** | 170 | 1.2 | 20 | **CM070** | | **B5/B14** |
| | **56** | 205 | 0.9 | 25 | **CM070** | | **B5/B14** |
| | **47** | 236 | 1.0 | 30 | **CM070** | | **B5/B14** |
| | **93** | 129 | 2.1 | 15 | **CM075** | | **B5/B14** |
| | **70** | 170 | 1.4 | 20 | **CM075** | | **B5/B14** |
| | **56** | 205 | 1.1 | 25 | **CM075** | | **B5/B14** |
| | **47** | 236 | 1.2 | 30 | **CM075** | | **B5/B14** |
| | **35** | 299 | 0.8 | 40 | **CM075** | | **B5/B14** |
| | **70** | 172 | 2.4 | 20 | **CM090** | | **B5/B14** |
| | **56** | 212 | 1.7 | 25 | **CM090** | | **B5/B14** |
| | **47** | 243 | 2.0 | 30 | **CM090** | | **B5/B14** |
| | **35** | 311 | 1.4 | 40 | **CM090** | | **B5/B14** |
| | **28** | 368 | 1.0 | 50 | **CM090** | | **B5/B14** |
| | **23** | 424 | 0.8 | 60 | **CM090** | | **B5/B14** |
| | **23** | 469 | 1.2 | 60 | | **CMP090/090** | **B14** |
| | **19** | 564 | 0.9 | 75 | | **CMP090/090** | **B14** |
| | **16** | 632 | 1.1 | 90 | | **CMP090/090** | **B14** |
| | **35** | 323 | 2.4 | 40 | **CM110** | | **B5/B14** |
| | **28** | 389 | 1.8 | 50 | **CM110** | | **B5/B14** |
| | **23** | 448 | 1.4 | 60 | **CM110** | | **B5/B14** |
| | **23** | 481 | 2.0 | 60 | | **CMP090/110** | **B14** |
| | **19** | 587 | 1.5 | 75 | | **CMP090/110** | **B14** |
| | **18** | 557 | 1.0 | 80 | **CM110** | | **B5/B14** |
| | **14** | 655 | 0.8 | 100 | **CM110** | | **B5/B14** |
| | **16** | 650 | 1.8 | 90 | | **CMP090/110** | **B14** |
| | **12** | 830 | 1.3 | 120 | | **CMP090/110** | **B14** |
| | **9** | 978 | 1.0 | 150 | | **CMP090/110** | **B14** |
| | **28** | 389 | 2.5 | 50 | **CM130** | | **B5** |
| | **23** | 448 | 2.0 | 60 | **CM130** | | **B5** |
| | **19** | 579 | 2.1 | 75 | | **CMP090/130** | **B14** |
| | **18** | 565 | 1.5 | 80 | **CM130** | | **B5** |
| | **16** | 650 | 2.2 | 90 | | **CMP090/130** | **B14** |
| | **14** | 655 | 1.1 | 100 | **CM130** | | **B5** |
| | **12** | 818 | 1.5 | 120 | | **CMP090/130** | **B14** |
| | **9** | 1008 | 1.2 | 150 | | **CMP090/130** | **B14** |
| | **8** | 1155 | 0.9 | 180 | | **CMP090/130** | **B14** |

IEC

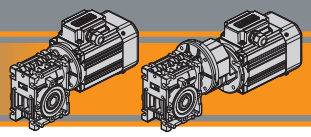
| Motori *Motors* | SMT | TS |
|---|---|---|
| | 9024 IE3 | 90S4<br>90L14 |
| IEC | 90 B14 | 90 B5 / B14 |

## Dati tecnici / *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| **2.2 - IEC 90** | | | | | | | |
| SMT9034 IE3 (1400 min$^{-1}$) | **280** | 68 | 2.0 | 5 | **CM063** | | B5/B14 |
| | **187** | 99 | 1.5 | 7.5 | **CM063** | | B5/B14 |
| | **140** | 129 | 1.1 | 10 | **CM063** | | B5/B14 |
| | **93** | 189 | 0.8 | 15 | **CM063** | | B5/B14 |
| TS90L24-B14 | **187** | 100 | 2.0 | 7.5 | **CM070** | | B5/B14 |
| TS90L24-B5 | **140** | 131 | 1.7 | 10 | **CM070** | | B5/B14 |
| (1400 min$^{-1}$) | **93** | 189 | 1.2 | 15 | **CM070** | | B5/B14 |
| | **70** | 249 | 0.8 | 20 | **CM070** | | B5/B14 |
| | **187** | 100 | 2.4 | 7.5 | **CM075** | | B5/B14 |
| | **140** | 131 | 2.0 | 10 | **CM075** | | B5/B14 |
| | **93** | 189 | 1.4 | 15 | **CM075** | | B5/B14 |
| | **70** | 249 | 1.0 | 20 | **CM075** | | B5/B14 |
| | **56** | 300 | 0.8 | 25 | **CM075** | | B5/B14 |
| | **47** | 347 | 0.8 | 30 | **CM075** | | B5/B14 |
| | **140** | 132 | 2.8 | 10 | **CM090** | | B5/B14 |
| | **93** | 194 | 2.2 | 15 | **CM090** | | B5/B14 |
| | **70** | 252 | 1.6 | 20 | **CM090** | | B5/B14 |
| | **56** | 311 | 1.2 | 25 | **CM090** | | B5/B14 |
| | **47** | 356 | 1.4 | 30 | **CM090** | | B5/B14 |
| | **35** | 456 | 1.0 | 40 | **CM090** | | B5/B14 |
| | **70** | 255 | 2.9 | 20 | **CM110** | | B5/B14 |
| | **56** | 315 | 2.1 | 25 | **CM110** | | B5/B14 |
| | **47** | 360 | 2.2 | 30 | **CM110** | | B5/B14 |
| | **35** | 474 | 1.6 | 40 | **CM110** | | B5/B14 |
| | **28** | 570 | 1.2 | 50 | **CM110** | | B5/B14 |
| | **23** | 657 | 1.0 | 60 | **CM110** | | B5/B14 |
| | **35** | 456 | 2.3 | 40 | **CM130** | | B5 |
| | **28** | 563 | 1.7 | 50 | **CM130** | | B5 |
| | **23** | 657 | 1.4 | 60 | **CM130** | | B5 |
| | **18** | 828 | 1.0 | 80 | **CM130** | | B5 |
| | **14** | 960 | 0.8 | 100 | **CM130** | | B5 |
| **2.2 - IEC 100** | | | | | | | |
| TS100L14 (1400 min$^{-1}$) | **187** | 100 | 2.0 | 7.5 | **CM070** | | B5/B14 |
| | **140** | 131 | 1.7 | 10 | **CM070** | | B5/B14 |
| | **93** | 189 | 1.2 | 15 | **CM070** | | B5/B14 |
| | **70** | 249 | 0.8 | 20 | **CM070** | | B5/B14 |
| | **187** | 100 | 2.4 | 7.5 | **CM075** | | B5/B14 |
| | **140** | 131 | 2.0 | 10 | **CM075** | | B5/B14 |
| | **93** | 189 | 1.4 | 15 | **CM075** | | B5/B14 |
| | **70** | 249 | 1.0 | 20 | **CM075** | | B5/B14 |
| | **56** | 300 | 0.8 | 25 | **CM075** | | B5/B14 |
| | **47** | 347 | 0.8 | 30 | **CM075** | | B5/B14 |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| **2.2 - IEC 100** | | | | | | | |
| TS100L14 (1400 min$^{-1}$) | **140** | 132 | 2.8 | 10 | **CM090** | | B5/B14 |
| | **93** | 194 | 2.2 | 15 | **CM090** | | B5/B14 |
| | **70** | 252 | 1.6 | 20 | **CM090** | | B5/B14 |
| | **56** | 311 | 1.2 | 25 | **CM090** | | B5/B14 |
| | **47** | 356 | 1.4 | 30 | **CM090** | | B5/B14 |
| | **35** | 456 | 1.0 | 40 | **CM090** | | B5/B14 |
| | **70** | 255 | 2.9 | 20 | **CM110** | | B5/B14 |
| | **56** | 315 | 2.1 | 25 | **CM110** | | B5/B14 |
| | **47** | 360 | 2.2 | 30 | **CM110** | | B5/B14 |
| | **35** | 474 | 1.6 | 40 | **CM110** | | B5/B14 |
| | **28** | 570 | 1.2 | 50 | **CM110** | | B5/B14 |
| | **23** | 657 | 1.0 | 60 | **CM110** | | B5/B14 |
| | **35** | 456 | 2.3 | 40 | **CM130** | | B5 |
| | **28** | 563 | 1.7 | 50 | **CM130** | | B5 |
| | **23** | 657 | 1.4 | 60 | **CM130** | | B5 |
| | **18** | 828 | 1.0 | 80 | **CM130** | | B5 |
| | **14** | 960 | 0.8 | 100 | **CM130** | | B5 |
| **3.0 - IEC 100** | | | | | | | |
| 100LB4 (1400 min$^{-1}$) | **187** | 137 | 1.5 | 7.5 | **CM070** | | B5/B14 |
| | **140** | 178 | 1.2 | 10 | **CM070** | | B5/B14 |
| | **93** | 258 | 0.9 | 15 | **CM070** | | B5/B14 |
| | **187** | 137 | 1.7 | 7.5 | **CM075** | | B5/B14 |
| | **140** | 178 | 1.4 | 10 | **CM075** | | B5/B14 |
| | **93** | 258 | 1.0 | 15 | **CM075** | | B5/B14 |
| | **187** | 138 | 2.5 | 7.5 | **CM090** | | B5/B14 |
| | **140** | 180 | 2.1 | 10 | **CM090** | | B5/B14 |
| | **93** | 264 | 1.6 | 15 | **CM090** | | B5/B14 |
| | **70** | 344 | 1.2 | 20 | **CM090** | | B5/B14 |
| | **56** | 425 | 0.9 | 25 | **CM090** | | B5/B14 |
| | **47** | 485 | 1.0 | 30 | **CM090** | | B5/B14 |
| | **35** | 622 | 0.8 | 40 | **CM090** | | B5/B14 |
| | **93** | 264 | 2.7 | 15 | **CM110** | | B5/B14 |
| | **70** | 348 | 2.1 | 20 | **CM110** | | B5/B14 |
| | **56** | 430 | 1.6 | 25 | **CM110** | | B5/B14 |
| | **47** | 491 | 1.6 | 30 | **CM110** | | B5/B14 |
| | **35** | 647 | 1.2 | 40 | **CM110** | | B5/B14 |
| | **28** | 778 | 0.9 | 50 | **CM110** | | B5/B14 |
| | **47** | 485 | 2.2 | 30 | **CM130** | | B5 |
| | **35** | 622 | 1.7 | 40 | **CM130** | | B5 |
| | **28** | 767 | 1.3 | 50 | **CM130** | | B5 |
| | **23** | 896 | 1.0 | 60 | **CM130** | | B5 |

| Motori *Motors* | SMT | TS | | IEC |
|---|---|---|---|---|
| | 9034 IE3 | 90L24 | 100L14 | 100LB4 |
| IEC | 90 B14 | 90 B5 / B14 | 100 B14 / B5 | 100 B14 / B5 |



## Dati tecnici — *Technical data*

### 4.0 - IEC 112

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| 112M4 (1400 min$^{-1}$) | **187** | 182 | 1.1 | 7.5 | **CM070** | | | **B5/B14** |
| | **140** | 237 | 0.9 | 10 | **CM070** | | | **B5/B14** |
| | **187** | 182 | 1.3 | 7.5 | **CM075** | | | **B5/B14** |
| | **140** | 237 | 1.1 | 10 | **CM075** | | | **B5/B14** |
| | **93** | 344 | 0.8 | 15 | **CM075** | | | **B5/B14** |
| | **187** | 184 | 1.9 | 7.5 | **CM090** | | | **B5/B14** |
| | **140** | 240 | 1.6 | 10 | **CM090** | | | **B5/B14** |
| | **93** | 352 | 1.2 | 15 | **CM090** | | | **B5/B14** |
| | **70** | 458 | 0.9 | 20 | **CM090** | | | **B5/B14** |
| | **47** | 655 | 0.8 | 30 | **CM090** | | | **B5/B14** |
| | **140** | 240 | 2.8 | 10 | **CM110** | | | **B5/B14** |
| | **93** | 352 | 2.1 | 15 | **CM110** | | | **B5/B14** |
| | **70** | 464 | 1.6 | 20 | **CM110** | | | **B5/B14** |
| | **56** | 573 | 1.2 | 25 | **CM110** | | | **B5/B14** |
| | **47** | 655 | 1.2 | 30 | **CM110** | | | **B5/B14** |
| | **35** | 862 | 0.9 | 40 | **CM110** | | | **B5/B14** |
| | **70** | 458 | 2.0 | 20 | **CM130** | | | **B5** |
| | **56** | 566 | 1.6 | 25 | **CM130** | | | **B5** |
| | **47** | 647 | 1.6 | 30 | **CM130** | | | **B5** |
| | **35** | 829 | 1.3 | 40 | **CM130** | | | **B5** |
| | **28** | 1023 | 0.9 | 50 | **CM130** | | | **B5** |

### 5.5 - IEC 132

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| 132S4 (1400 min$^{-1}$) | **187** | 250 | 2.4 | 7.5 | **CM110** | | | **B5/B14** |
| | **140** | 330 | 2.0 | 10 | **CM110** | | | **B5/B14** |
| | **93** | 484 | 1.5 | 15 | **CM110** | | | **B5/B14** |
| | **70** | 638 | 1.2 | 20 | **CM110** | | | **B5/B14** |
| | **56** | 788 | 0.9 | 25 | **CM110** | | | **B5/B14** |
| | **47** | 912 | 0.9 | 30 | **CM110** | | | **B5/B14** |
| | **187** | 250 | 3.0 | 7.5 | **CM130** | | | **B5/B14** |
| | **140** | 330 | 2.5 | 10 | **CM130** | | | **B5/B14** |
| | **93** | 484 | 1.9 | 15 | **CM130** | | | **B5/B14** |
| | **70** | 630 | 1.4 | 20 | **CM130** | | | **B5/B14** |
| | **56** | 778 | 1.2 | 25 | **CM130** | | | **B5/B14** |
| | **47** | 889 | 1.2 | 30 | **CM130** | | | **B5/B14** |
| | **35** | 1141 | 0.9 | 40 | **CM130** | | | **B5/B14** |

### 7.5 - IEC 132

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| 132M4 (1400 min$^{-1}$) | **187** | 341 | 1.8 | 7.5 | **CM110** | | | **B5/B14** |
| | **140** | 450 | 1.5 | 10 | **CM110** | | | **B5/B14** |
| | **93** | 660 | 1.1 | 15 | **CM110** | | | **B5/B14** |
| | **70** | 870 | 0.9 | 20 | **CM110** | | | **B5/B14** |
| | **187** | 341 | 2.2 | 7.5 | **CM130** | | | **B5/B14** |
| | **140** | 450 | 1.8 | 10 | **CM130** | | | **B5/B14** |
| | **93** | 660 | 1.4 | 15 | **CM130** | | | **B5/B14** |
| | **70** | 860 | 1.1 | 20 | **CM130** | | | **B5/B14** |
| | **56** | 1062 | 0.9 | 25 | **CM130** | | | **B5/B14** |
| | **47** | 1213 | 0.9 | 30 | **CM130** | | | **B5/B14** |

IEC

| Motori *Motors* | IEC | |
|---|---|---|
| | **112M4** | **132S4**<br>**132M4** |
| **IEC** | **112 B14 / B5** | **132 B14 / B5** |

## Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato:

*Please see the dedicated paragraph:*

SMT SMM → N3 pag.

TS → R3 pag.

## Motori applicabili

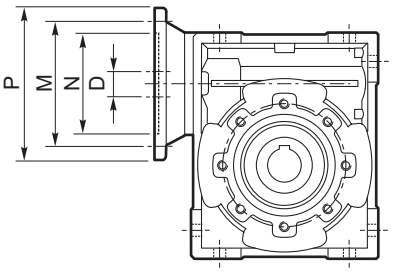
## *IEC Motor adapters*

| | SMT | | | | | | SMM | | | | | TS | | | | | | IEC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5654 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 | 100L14 | 100LB4 | 112M4 |
| CM026 | ■ | ■ | | | | | ■ | ■ | | | | ■ | | | | | | | |
| CM030 | ■ | ■ | ■ | | | | ■ | ■ | ■ | | | ■ | ■ | | | | | | |
| CM040 | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | | | | | |
| CM050 | | | ■ | ■ | ■ | | | | ■ | ■ | ■ | | ■ | ■ | ■ | | | | |
| CM063 | | | | ■ | ■ | ■ | | | | ■ | ■ | | ■ | ■ | ■ | ■ | | | |
| CM070 | | | | | ■ | ■ | | | | | ■ | | | ■ | ■ | ■ | ■ | ■ | ■ |
| CM075 | | | | | ■ | ■ | | | | | ■ | | | ■ | ■ | ■ | ■ | ■ | ■ |
| CM090 | | | | | ■ | ■ | | | | | ■ | | | ■ | ■ | ■ | ■ | ■ | ■ |
| CM110 | | | | | | ■ | | | | | | | | | ■ | ■ | ■ | ■ | ■ |
| CM130 | | | | | | | | | | | | | | | ■ | ■ | ■ | ■ | ■ |
| CMP056/... | ■ | ■ | | | | | ■ | ■ | | | | ■ | | | | | | | |
| CMP063/... | | | ■ | | | | | | ■ | | | | ■ | | | | | | |
| CMP071/... | | | | ■ | | | | | | ■ | | | | ■ | | | | | |
| CMP080/... | | | | | ■ | | | | | | ■ | | | | ■ | | | | |
| CMP090/... | | | | | | ■ | | | | | | | | | | ■ | | | |

**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.*

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




N.B.

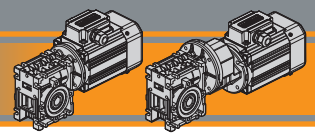
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

*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***

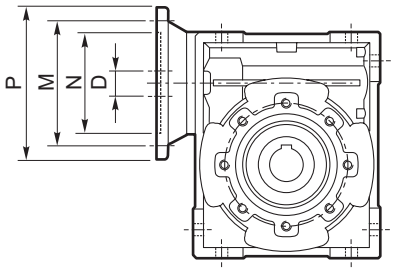
**Nota:** flange Nema disponibili a richiesta
***Note:*** *Nema flange available on demand*



## Motori applicabili

## *IEC Motor adapters*

| | IEC | N | M | P | D | i | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| **CM075** | **100/112B5** | 180 | 215 | 250 | 28 | | | | | | | | | | | | |
| | **100/112B14** | 110 | 130 | 160 | | | | | | | | | | | | | |
| | **90B5** | 130 | 165 | 200 | 24 | | B | B | B | B | B | B | | | | | |
| | **90B14** | 95 | 115 | 140 | | | | | | | | | | | | | |
| | **80B5** | 130 | 165 | 200 | 19 | | BS | BS | BS | BS | BS | BS | B | B | | | |
| | **80B14** | 80 | 100 | 120 | | | | | | | | | | | | | |
| | **71B5** | 110 | 130 | 160 | 14 | | | | | | | | BS | BS | B | B | B |
| **CM090** | **100/112B5** | 180 | 215 | 250 | 28 | | | | | | | | | | | | |
| | **100/112B14** | 110 | 130 | 160 | | | | | | | | | | | | | |
| | **90B5** | 130 | 165 | 200 | 24 | | B | B | B | B | B | B | B | | | | |
| | **90B14** | 95 | 115 | 140 | | | | | | | | | | | | | |
| | **80B5** | 130 | 165 | 200 | 19 | | BS | BS | BS | BS | BS | BS | BS | B | B | B | |
| | **80B14** | 80 | 100 | 120 | | | | | | | | | | | | | |
| | **71B5** | 110 | 130 | 160 | 14 | | | | | | | | | BS | BS | BS | B |
| **CM110** | **132B5** | 230 | 265 | 300 | 38 | | | | | | | | | | | | |
| | **132B14** | 130 | 165 | 200 | | | | | | | | | | | | | |
| | **100/112B5** | 180 | 215 | 250 | 28 | | B | B | B | B | B | B | | | | | |
| | **100/112B14** | 110 | 130 | 160 | | | | | | | | | | | | | |
| | **90B5** | 130 | 165 | 200 | 24 | | BS | BS | BS | BS | BS | BS | B | B | B | | |
| | **90B14** | 95 | 115 | 140 | | | | | | | | | | | | | |
| | **80B5** | 130 | 165 | 200 | 19 | | | | | | | | BS | BS | BS | B | B |
| **CM130** | **132B5** | 230 | 265 | 300 | 38 | | | | | | | | | | | | |
| | **132B14** | 130 | 165 | 200 | | | | | | | | | | | | | |
| | **100/112B5** | 180 | 215 | 250 | 28 | | B | B | B | B | B | B | B | | | | |
| | **90B5** | 130 | 165 | 200 | 24 | | BS | BS | BS | BS | BS | BS | BS | B | B | B | B |
| | **80B5** | 130 | 165 | 200 | 19 | | | | | | | | | BS | BS | BS | BS |




N.B.

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

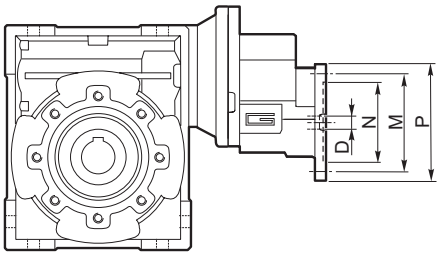
*N.B. Grey areas indicate motor inputs available on each size of unit.*

**B/BS = Boccola di riduzione in acciaio**

***B/BS = Metal shaft sleeve***

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

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

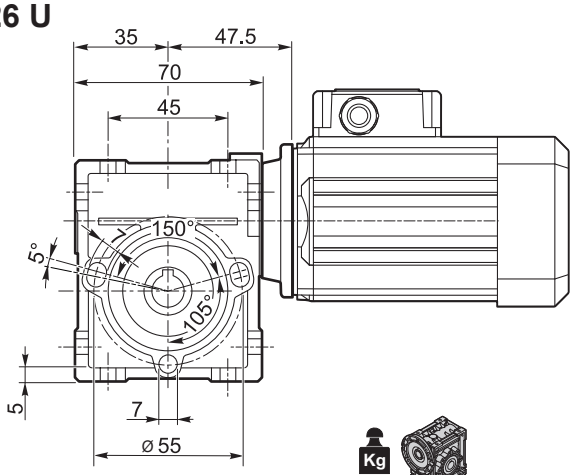
*N.B. Grey areas indicate motor inputs available on each size of unit.*

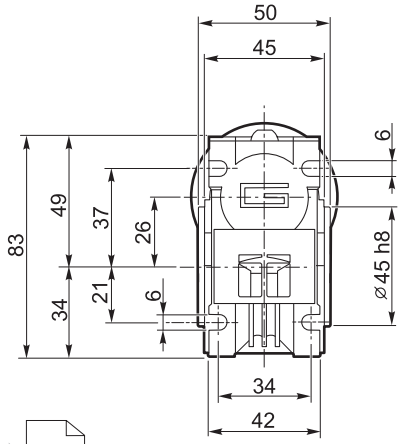
**B/BS = Boccola di riduzione in acciaio**

***B/BS = Metal shaft sleeve***

## Dimensioni — *Dimensions*

### CM 026 U

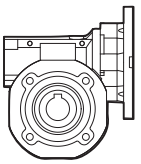


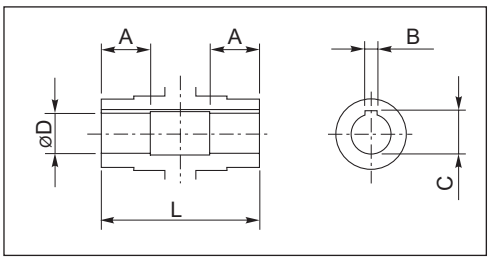

Kg 0.8

SMT SMM 50 ... 56 → N4 pag.

TS 56 → R4 pag.



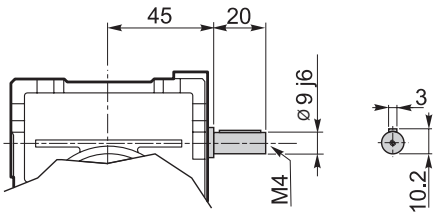
CL026 → H16 pag.

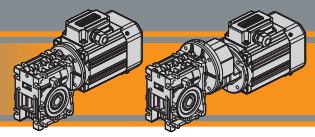



Albero lento cavo / *Hollow output shaft*

| Grandezza *Size* | ø D H8 | L | A | B | C |
|---|---|---|---|---|---|
| CM 026 (D14) | 14 | 50 | 15 | 5 | 16.2 |
| CM 026 | 12 | 50 | 15 | 4 | 13.8 |
| CM 026 (D11) | 11 | 50 | 15 | 4 | 12.8 |

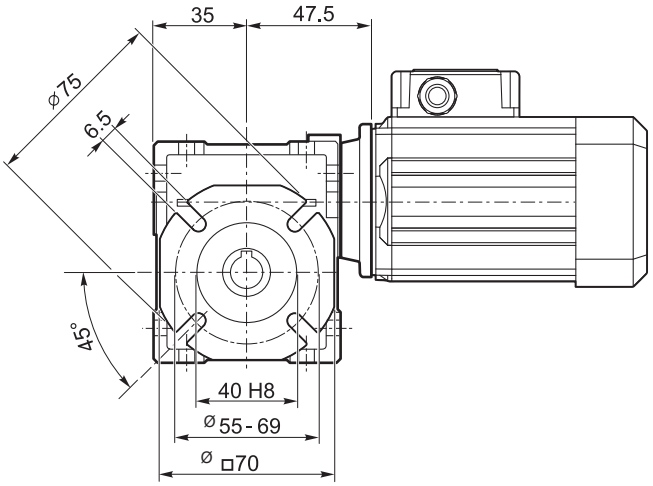
### CMIS 026 ..

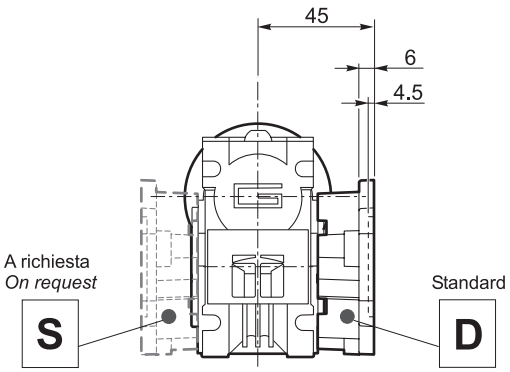




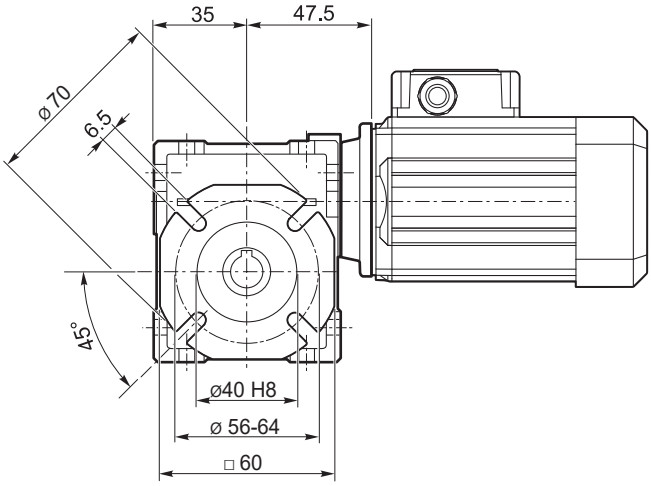
**Dimensioni** ***Dimensions***

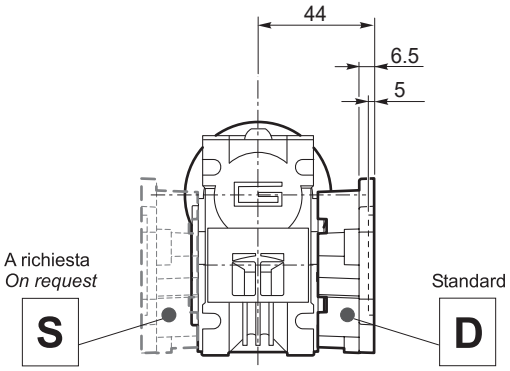
## CM 026 F



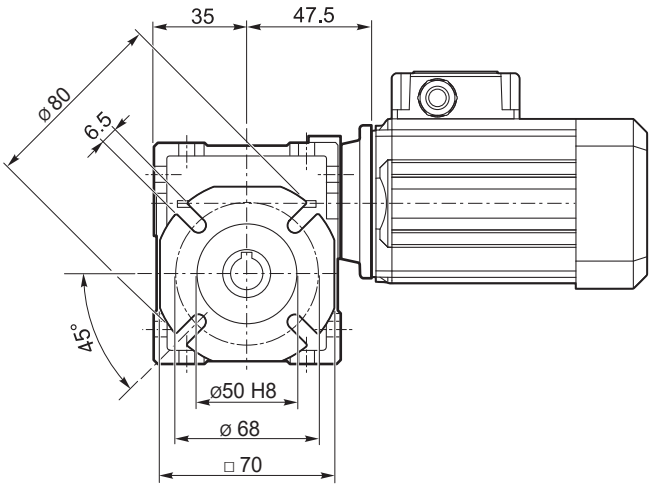



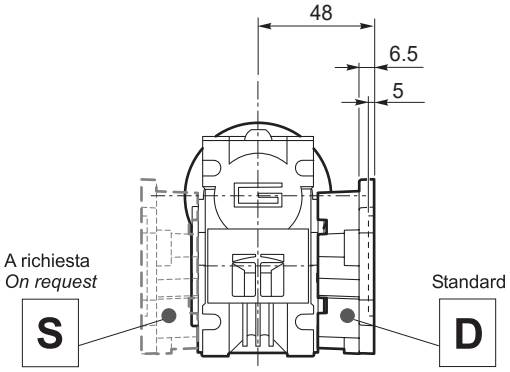

## CM 026 F28




## CM 026 F30



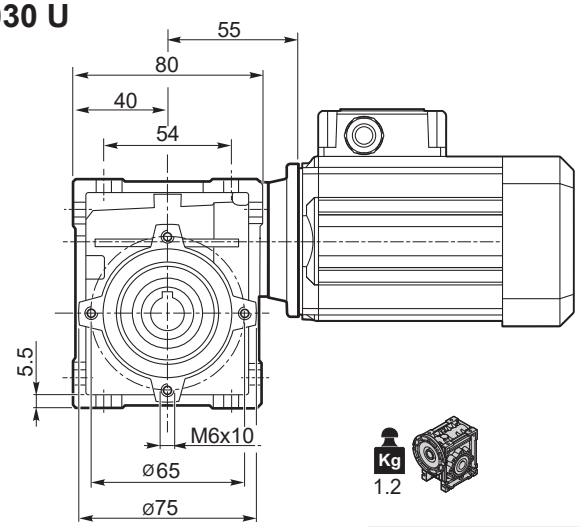

SMT SMM 50 ... 56 → N4 pag.

TS 56 → R4 pag.

CL026F
CL026 F28
CL026 F30 → H17 pag.

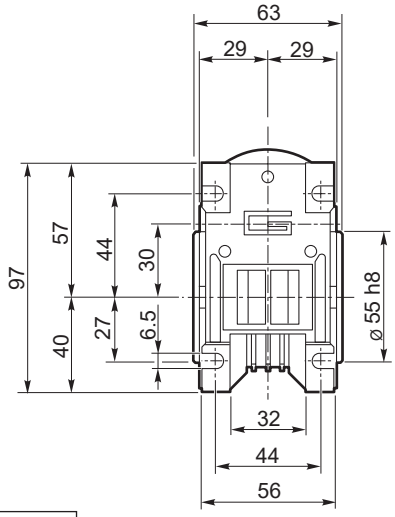
## Dimensioni — *Dimensions*

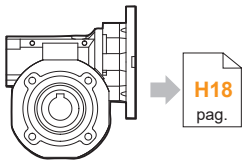
### CM 030 U



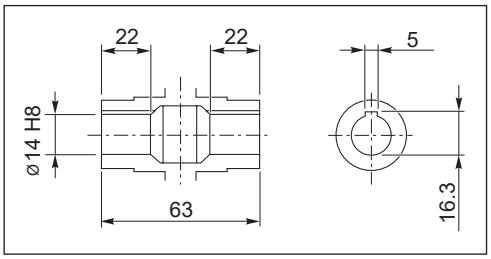




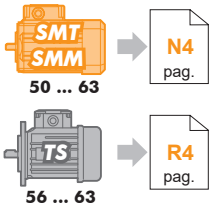


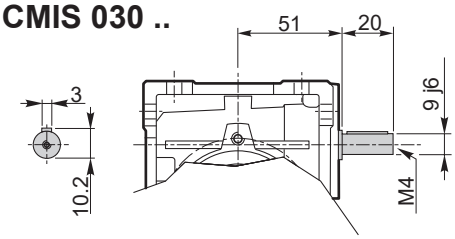

CL030



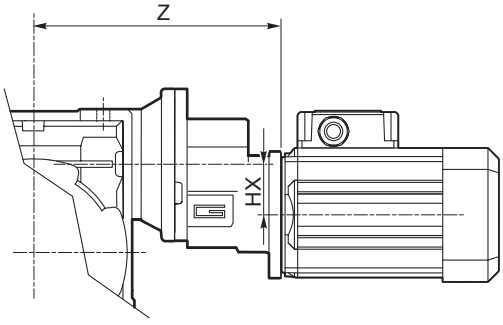

Albero lento cavo / *Hollow output shaft*



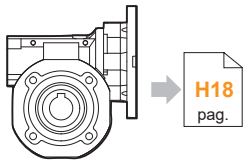

### CMIS 030 ..



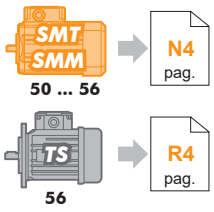

### CMP ..

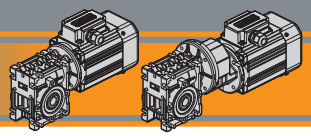



| | HX | Z | Kg |
|---|---|---|---|
| 056/030 | 30.5 | 124 | 2.1 |




CLP 056/030



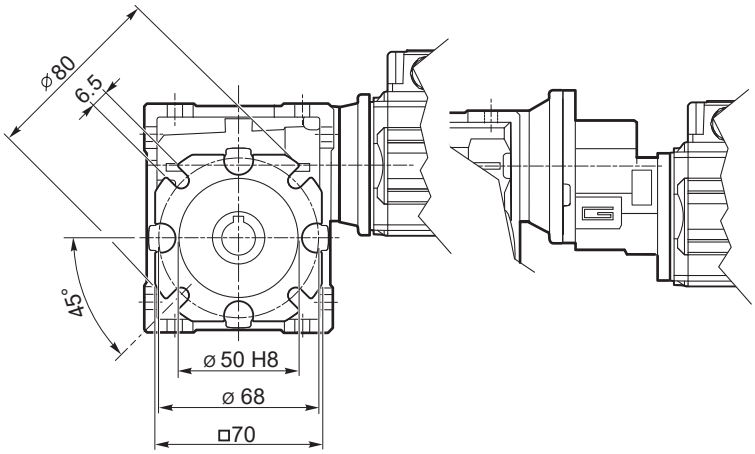


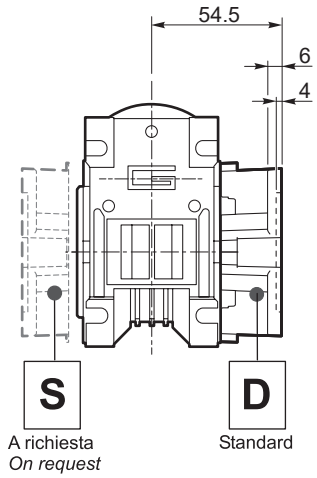
## Dimensioni

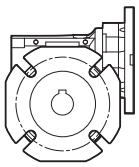
## *Dimensions*

### CM 030 F

### CMP../030 F



CL030 F → H19 pag.

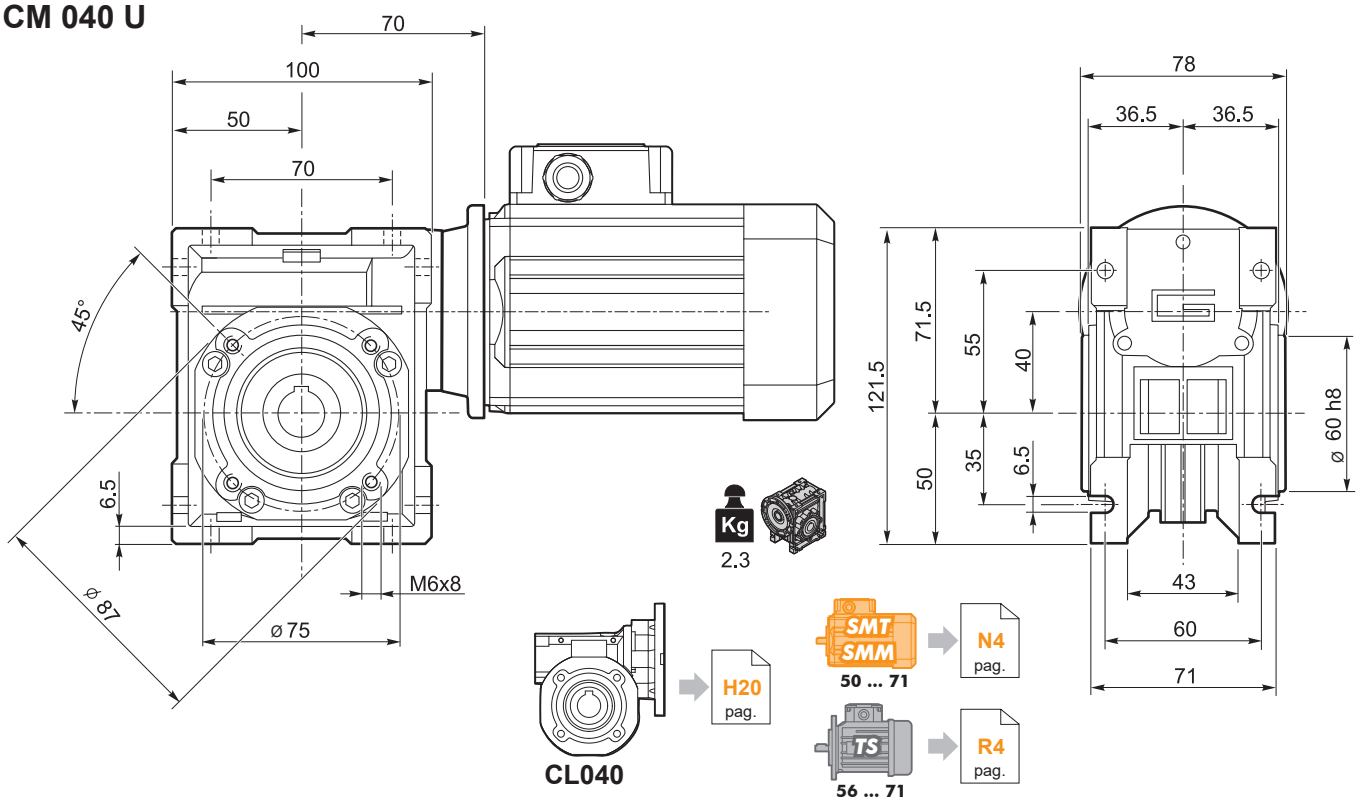
SMT SMM 50 ... 63 → N4 pag.

TS 56 ... 63 → R4 pag.

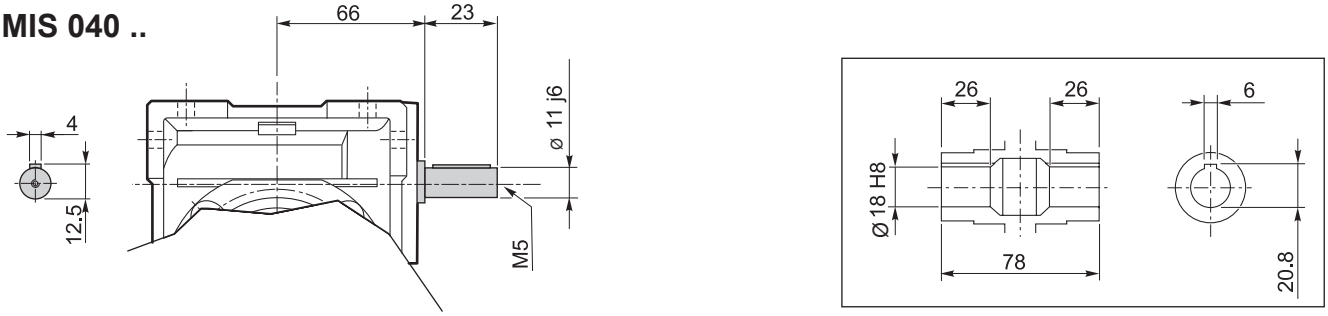
CM/CMP

## Dimensioni — *Dimensions*

### CM 040 U

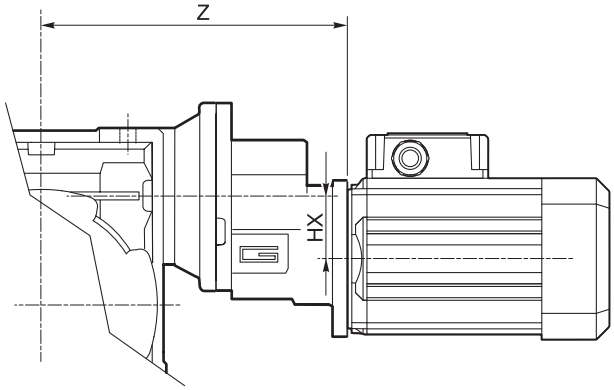



### CMIS 040 ..

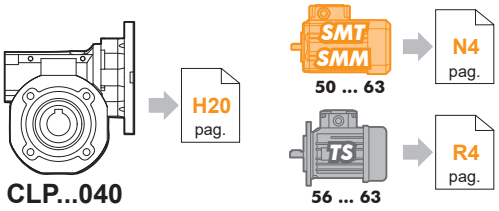


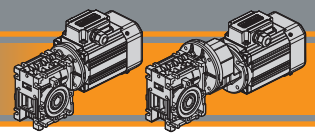

Albero lento cavo / *Hollow output shaft*

### CMP ..



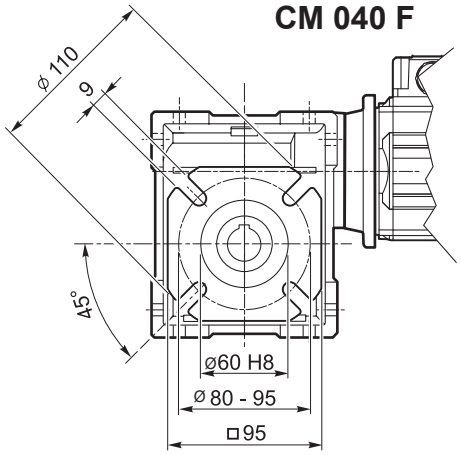

| | HX | Z | Kg |
|---|---|---|---|
| 056/040 | 30.5 | 139 | 3.2 |
| 063/040 | 30.5 | 142 | 3.3 |



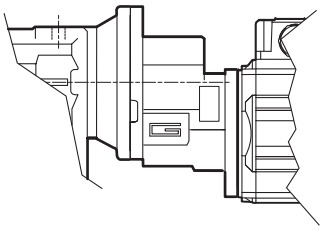


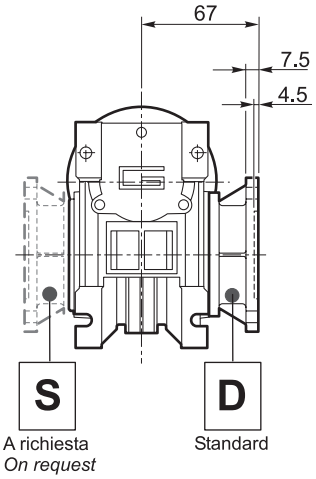
## Dimensioni — *Dimensions*

### CM 040 F

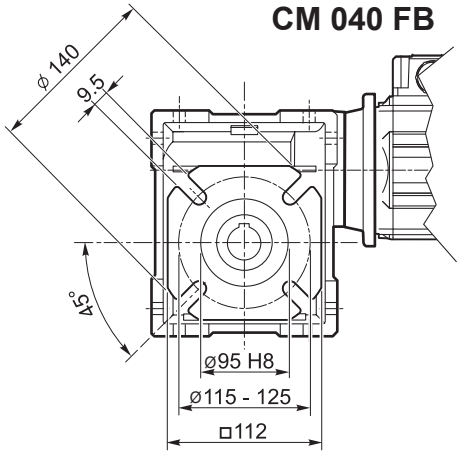



### CMP../040 F

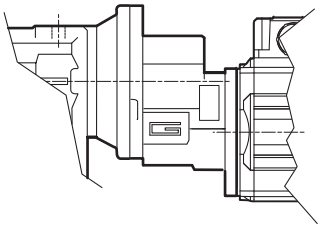


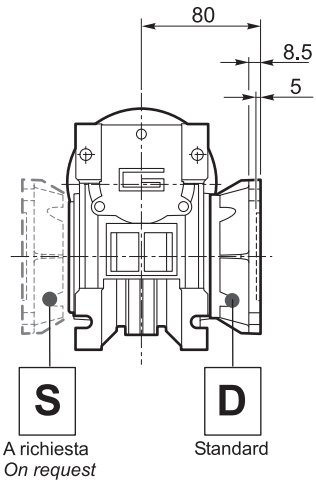



### CM 040 FB

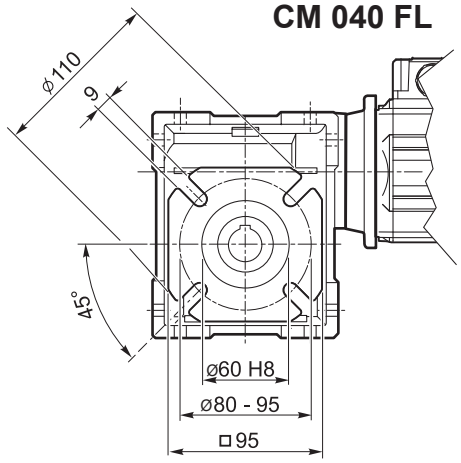



### CMP../040 FB

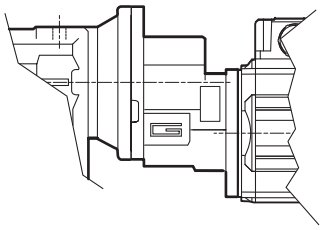


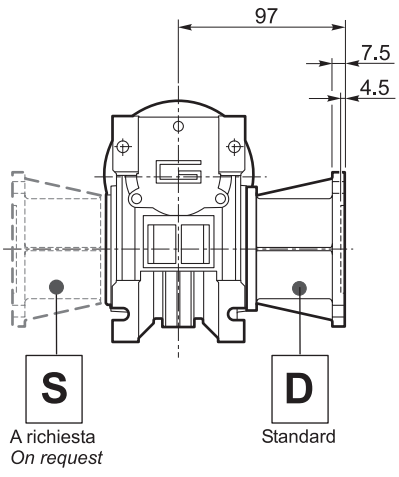



### CM 040 FL




### CMP../040 FL

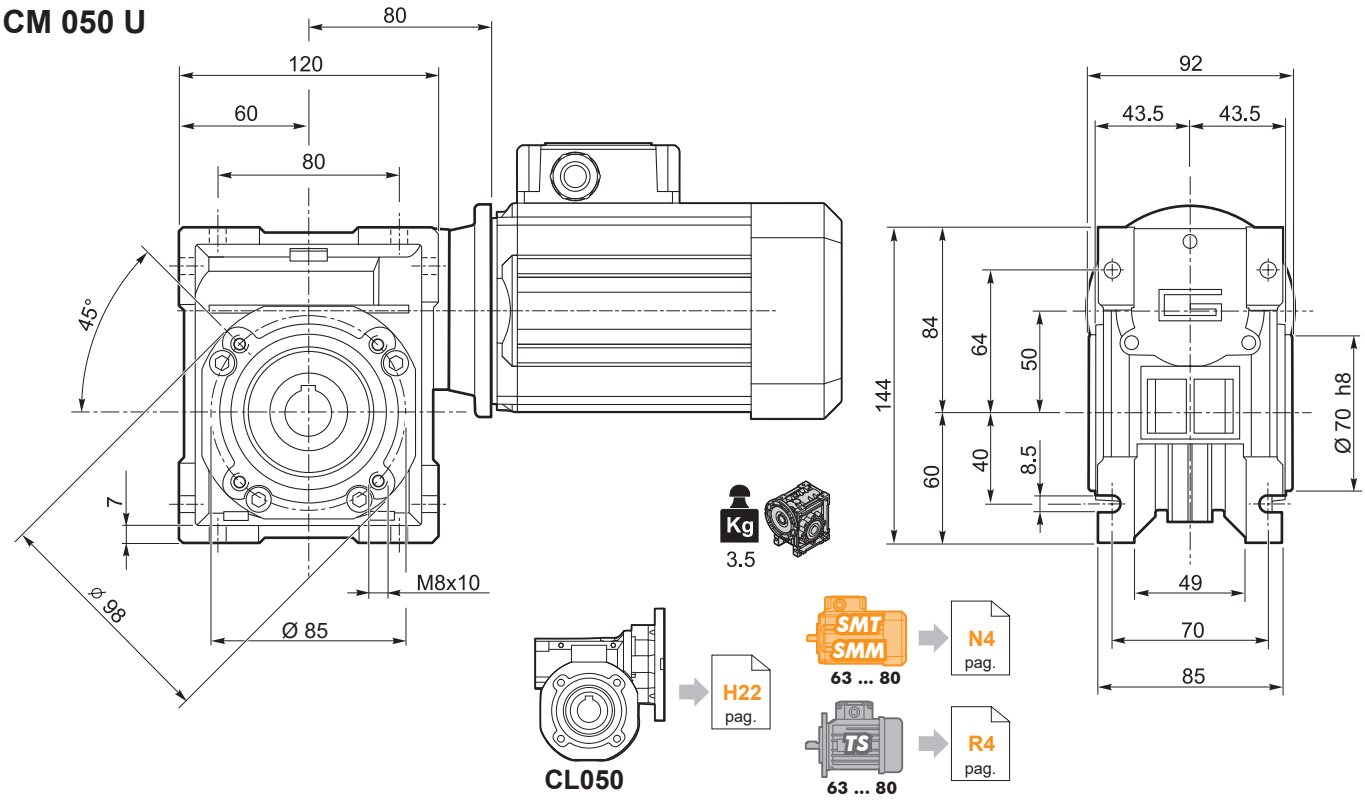




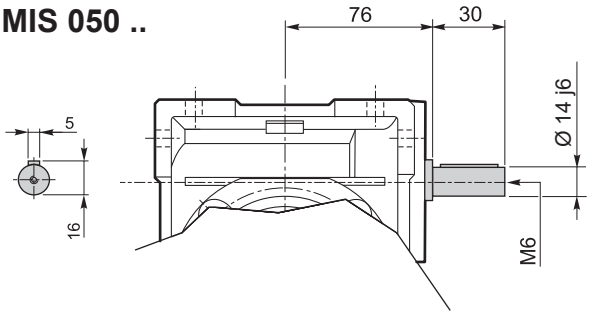

SMT SMM 50 ... 71 → N4 pag.
TS 56 ... 71 → R4 pag.
CL040 F
CL040 FB
CL040 FL → H21 pag.

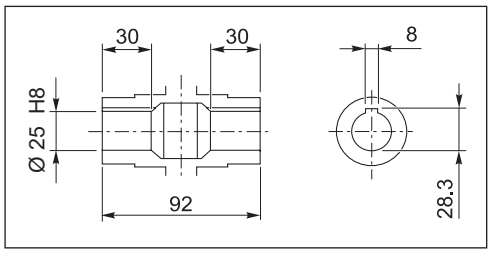
## Dimensioni — *Dimensions*

### CM 050 U



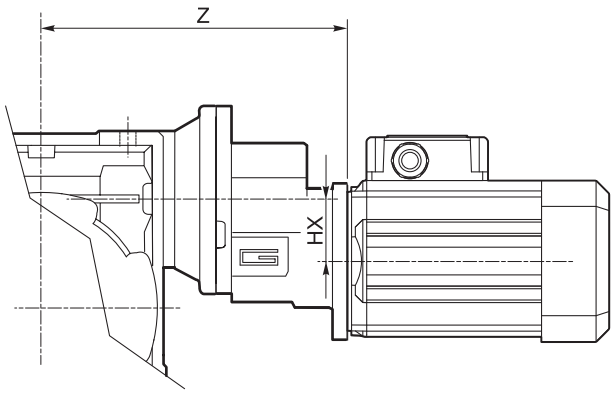

### CMIS 050 ..



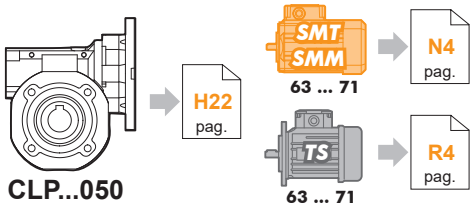



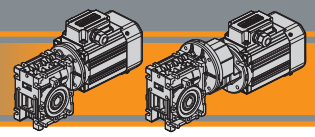

Albero lento cavo / *Hollow output shaft*

### CMP ..



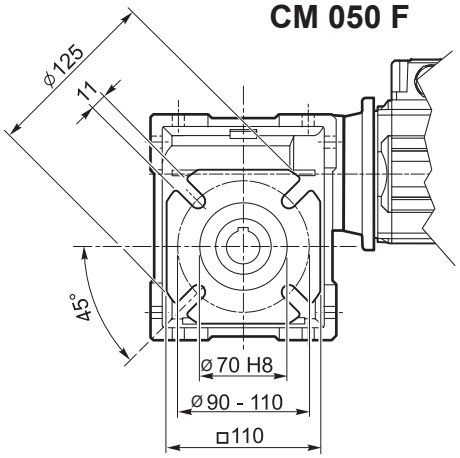

| | HX | Z | Kg |
|---|---|---|---|
| 063/050 | 30.5 | 152 | 4.5 |
| 071/050 | 41 | 169 | 5.5 |



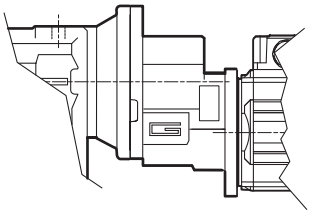


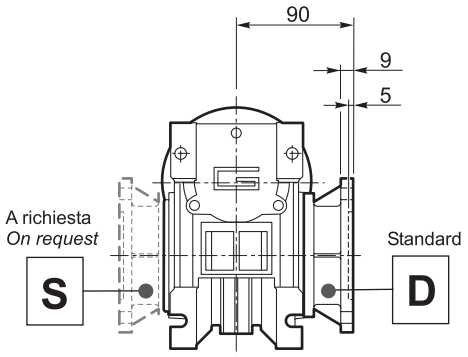
## Dimensioni — *Dimensions*

### CM 050 F

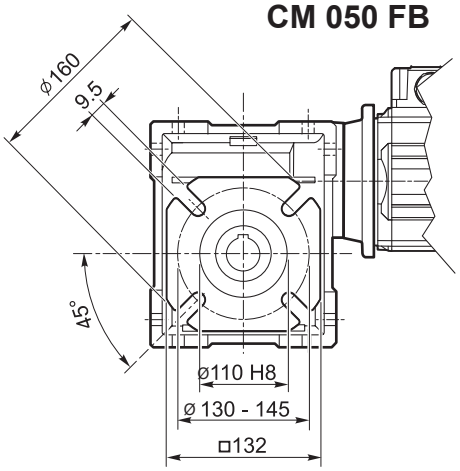



### CMP../050 F

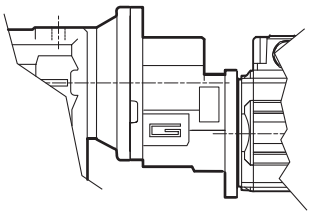


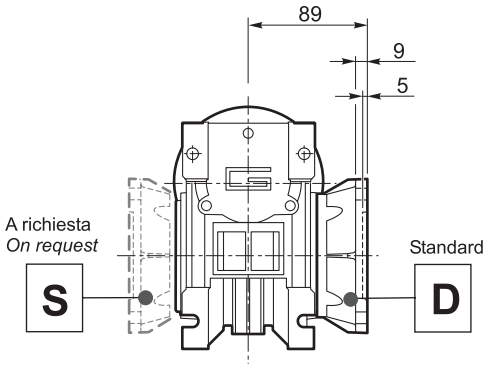



### CM 050 FB

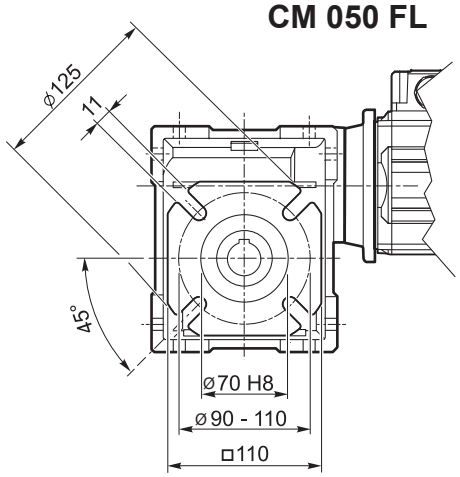



### CMP../050 FB

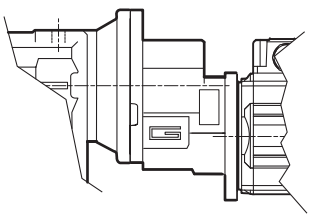


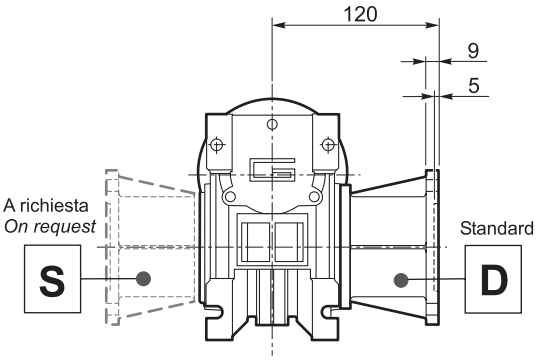



### CM 050 FL




### CMP../050 FL





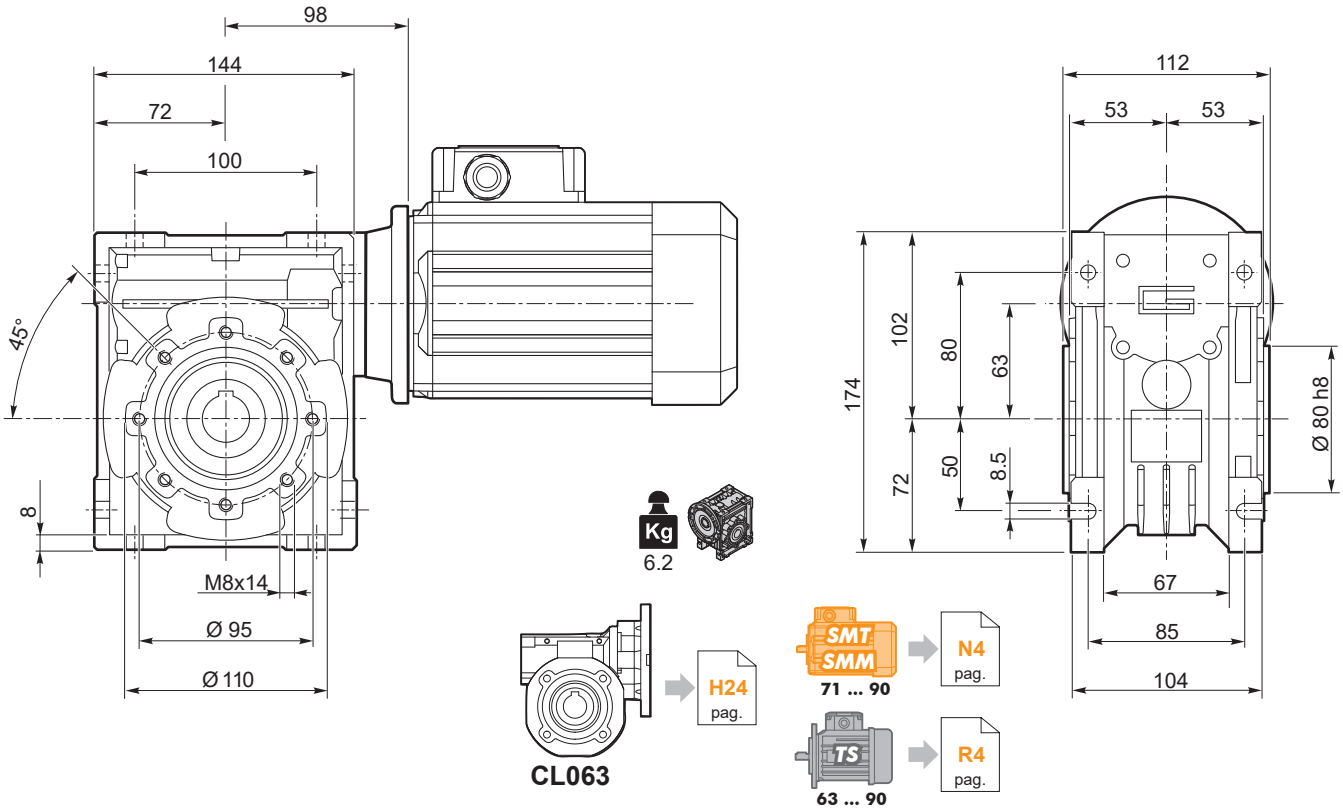

SMT SMM 63 ... 80 → N4 pag.

TS 63 ... 80 → R4 pag.

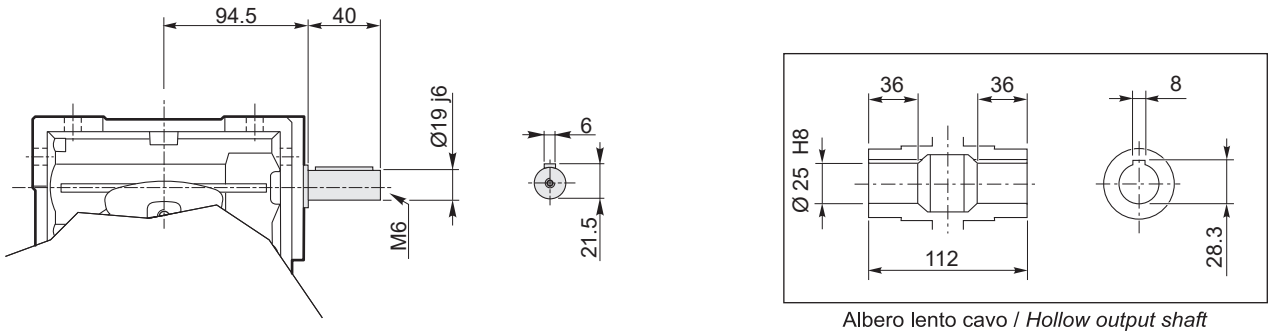
CL050 F
CL050 FB
CL050 FL → H23 pag.

**Dimensioni** *Dimensions*

## CM 063 U

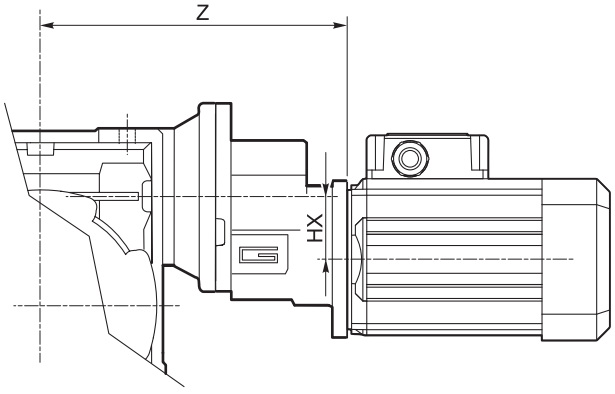



## CMIS 063 ..

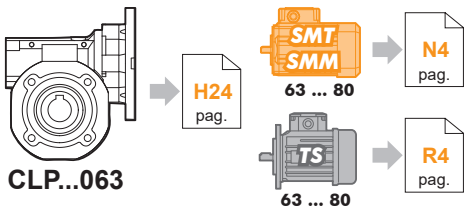


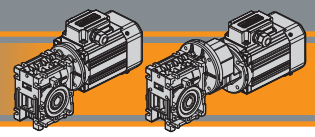

Albero lento cavo / *Hollow output shaft*

## CMP ..



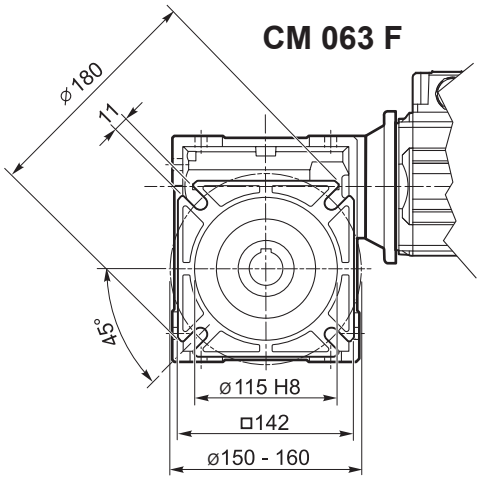

| | HX | Z | Kg |
|---|---|---|---|
| 063/063 | 30.5 | 170 | 7.2 |
| 071/063 | 41 | 187 | 8.2 |
| 080/063 | 41 | 198 | 9.0 |



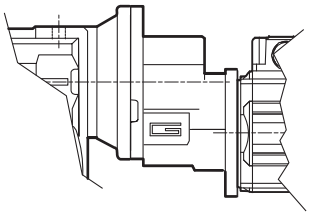


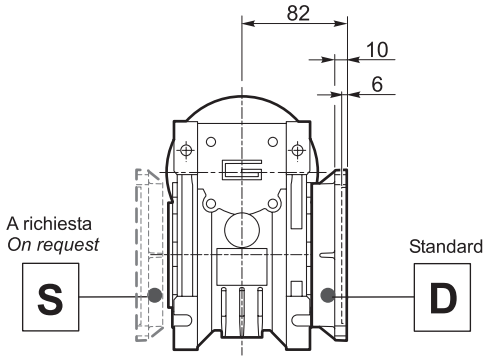
## Dimensioni — *Dimensions*

### CM 063 F

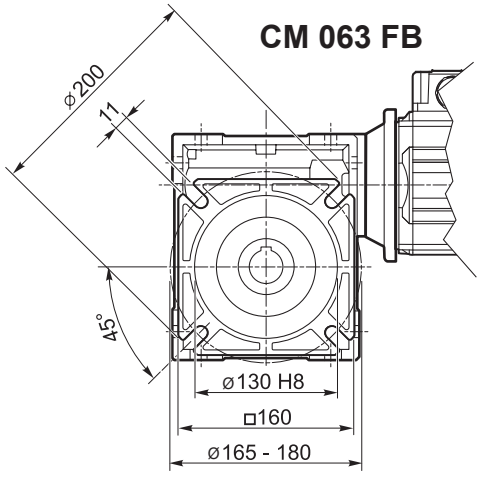



### CMP../063 F

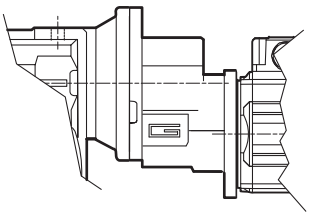


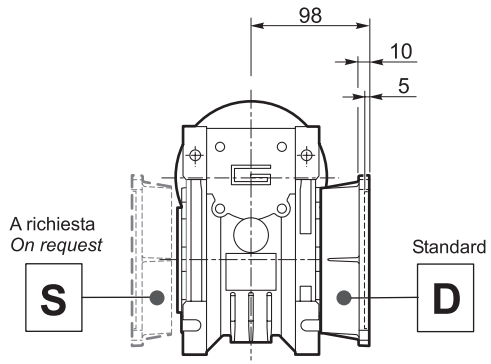



### CM 063 FB

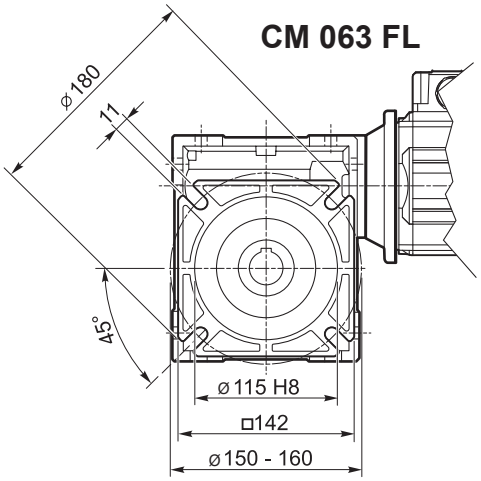



### CMP../063 FB

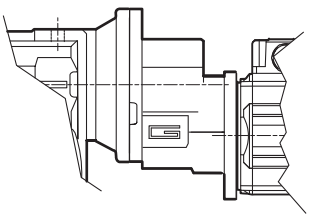


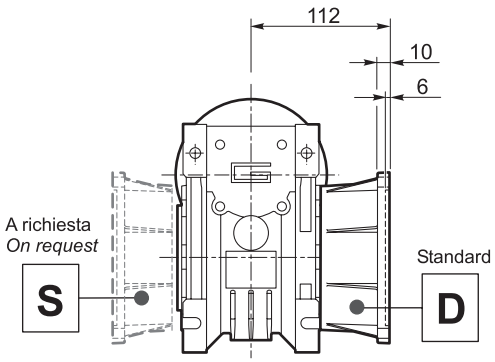



### CM 063 FL




### CMP../063 FL





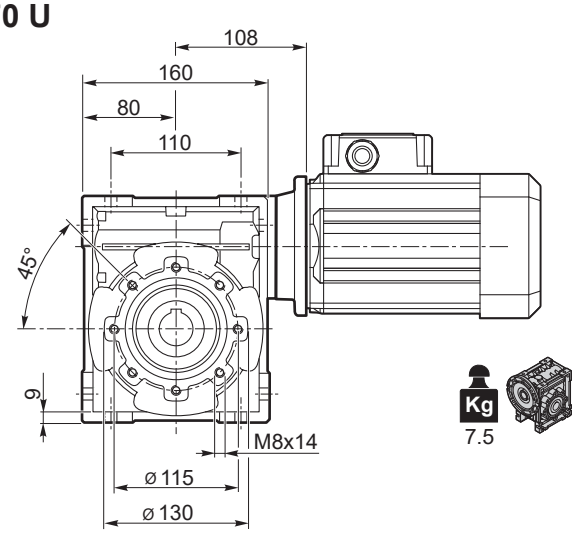

SMT SMM 63 ... 90 → N4 pag.

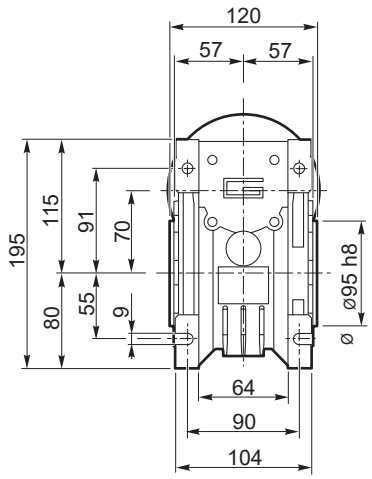
TS 63 ... 90 → R4 pag.

CL063 F
CL063 FB
CL063 FL → H25 pag.

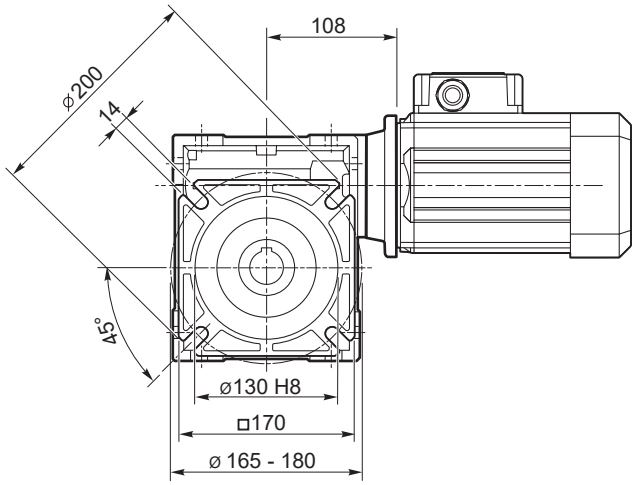
## Dimensioni — *Dimensions*

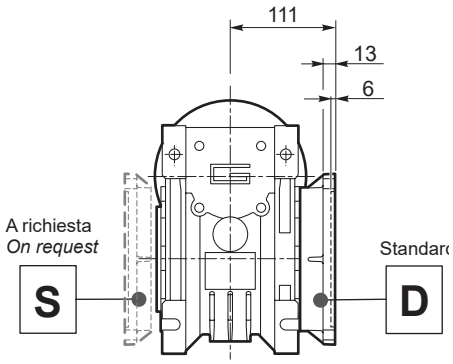
### CM 070 U



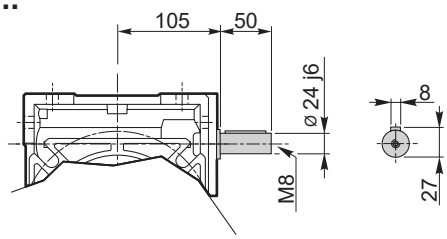



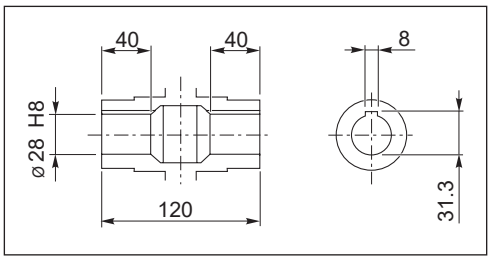

### CM 070 F



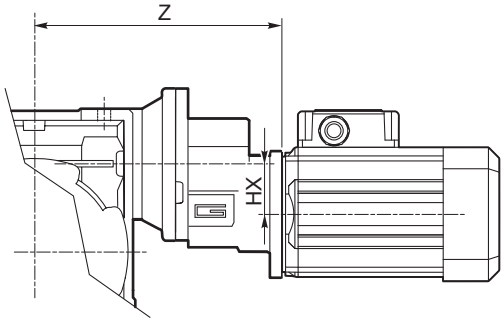

### CMIS 070 ..



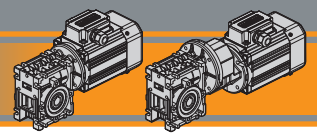

Albero lento cavo / *Hollow output shaft*

### CMP ..



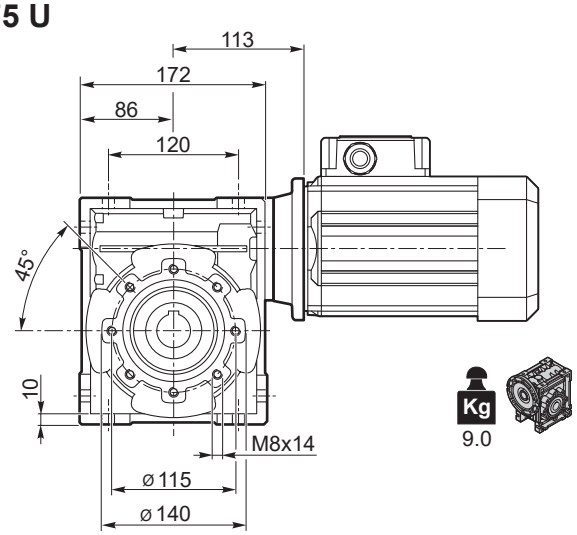

| | HX | Z | Kg |
|---|---|---|---|
| **071/070** | 41 | 197 | 9 |
| **080/070** | 41 | 208 | 9.8 |
| **090/070** | 36.5 | 262 | 10.5 |

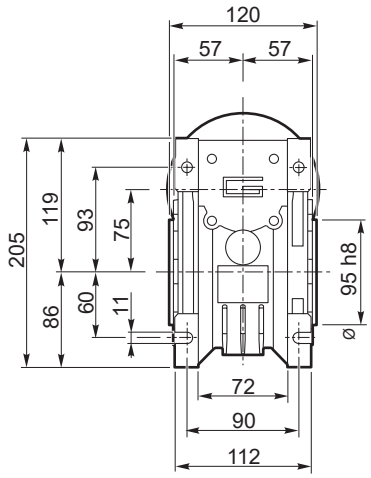
SMT SMM 71 ... 90 → N4 pag.
TS 71 ... 100 → R4 pag.
CL070 CL070 F → H26 pag.



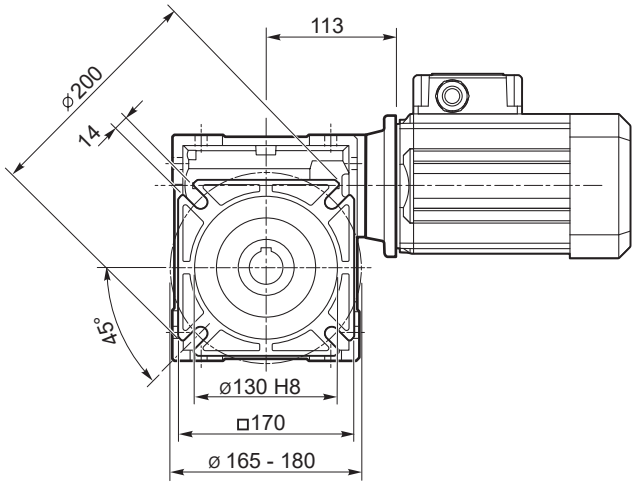
**Dimensioni** ***Dimensions***

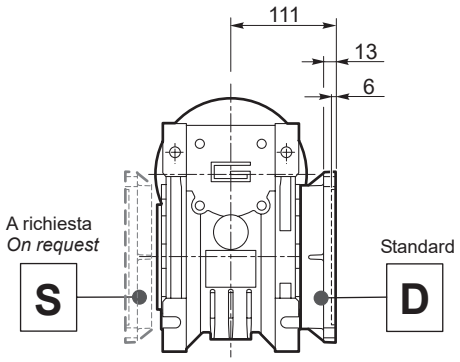
## CM 075 U



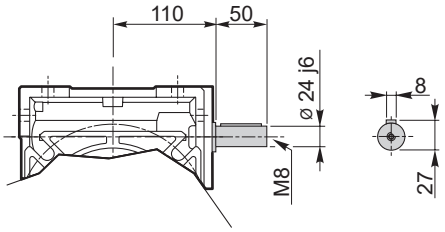



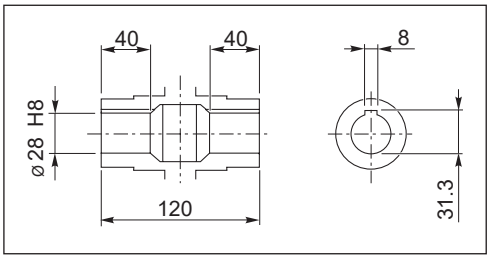

## CM 075 F



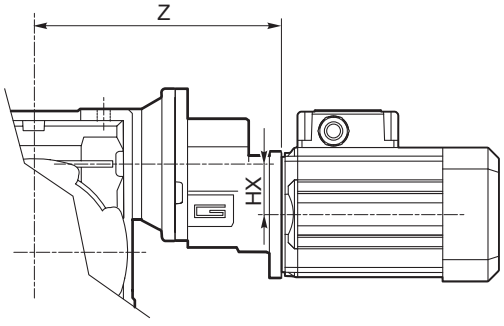

## CMIS 075 ..




Albero lento cavo / *Hollow output shaft*

## CMP ..

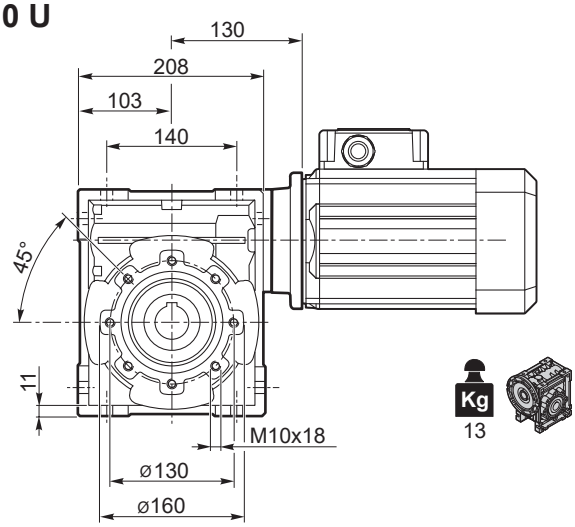


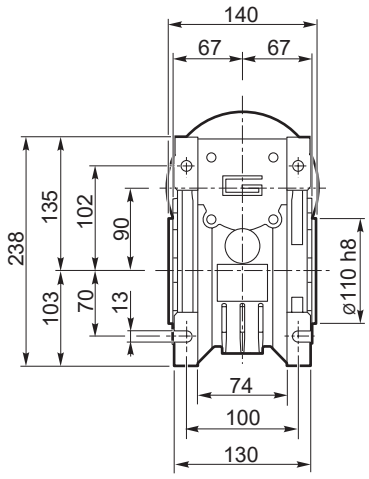

| | HX | Z | Kg |
|---|---|---|---|
| **071/075** | 41 | 202 | 11.0 |
| **080/075** | 41 | 213 | 11.8 |
| **090/075** | 36.5 | 267 | 12.5 |

SMT SMM 71 ... 90 → N4 pag.
TS 71 ... 100 → R4 pag.

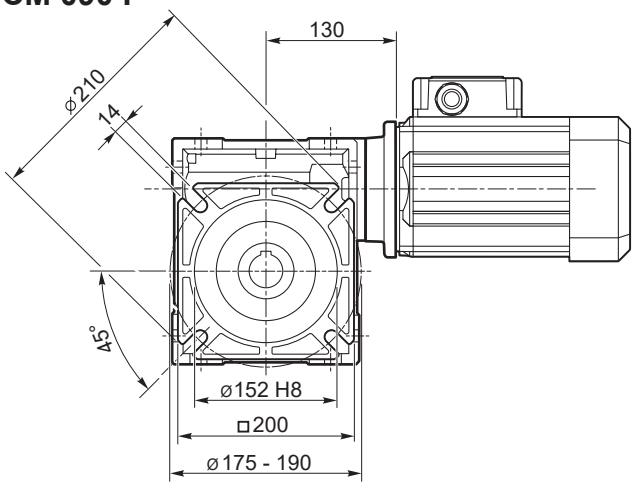
## Dimensioni — *Dimensions*

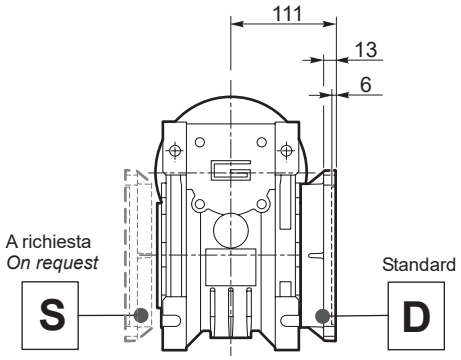
### CM 090 U



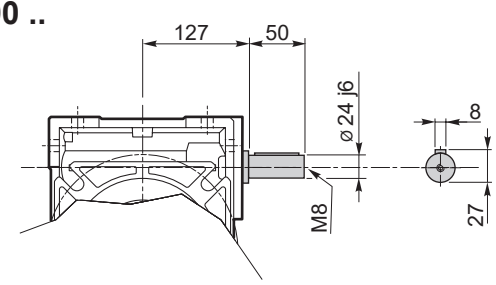



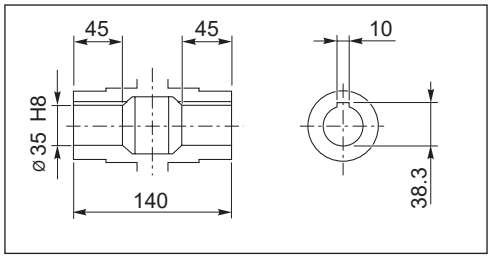

### CM 090 F



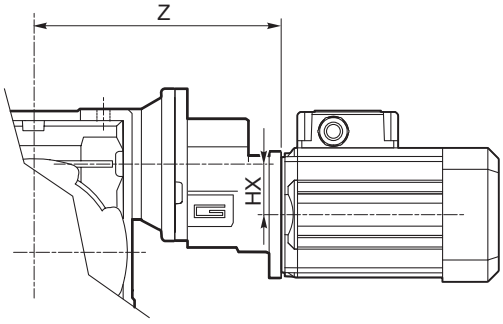

### CMIS 090 ..



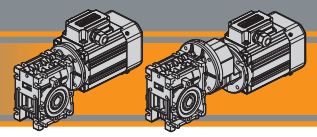

Albero lento cavo / *Hollow output shaft*

### CMP ..



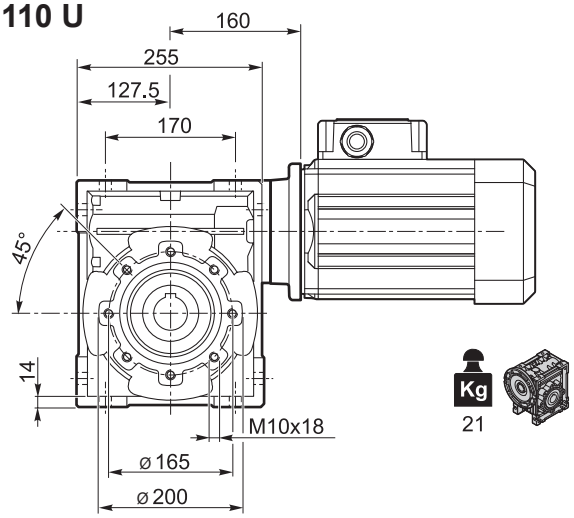

| | HX | Z | Kg |
|---|---|---|---|
| **071/090** | 41 | 219 | 15.0 |
| **080/090** | 41 | 230 | 15.8 |
| **090/090** | 36.5 | 284 | 16.5 |

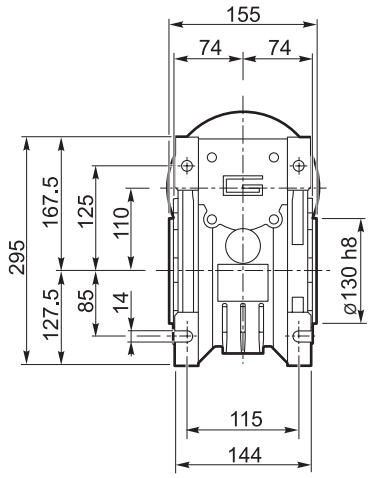
SMT SMM 71 ... 90 → N4 pag.
TS 71 ... 100 → R4 pag.



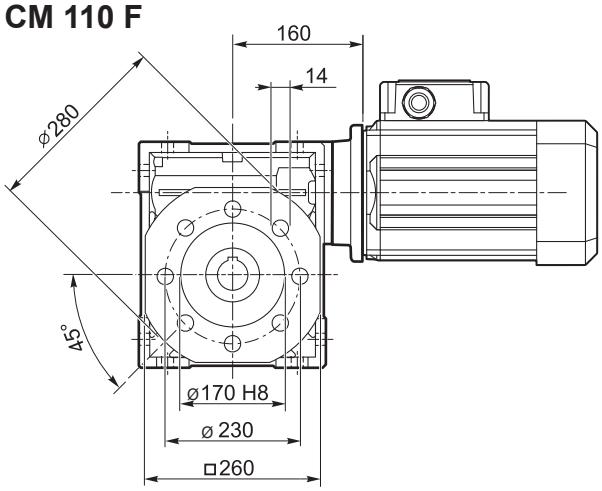
## Dimensioni — *Dimensions*

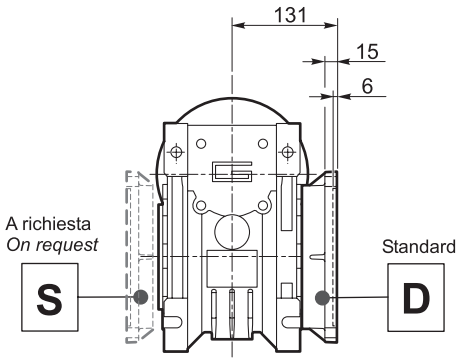
### CM 110 U



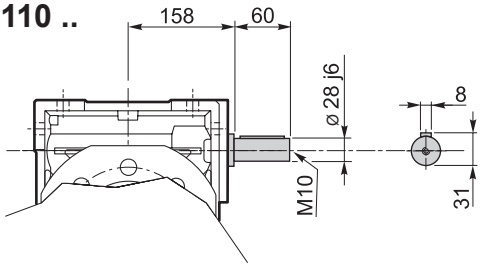



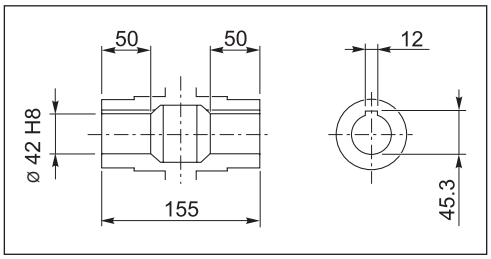

### CM 110 F



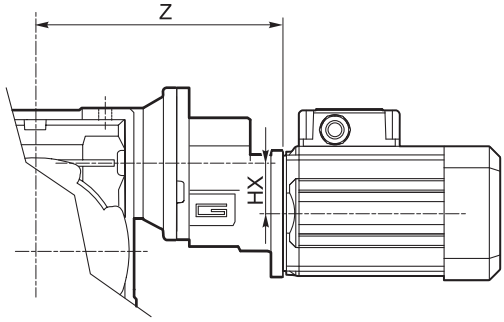

### CMIS 110 ..




Albero lento cavo / *Hollow output shaft*

### CMP ..

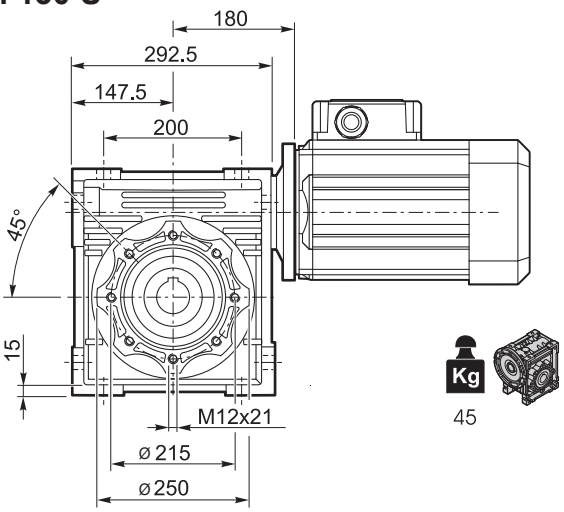


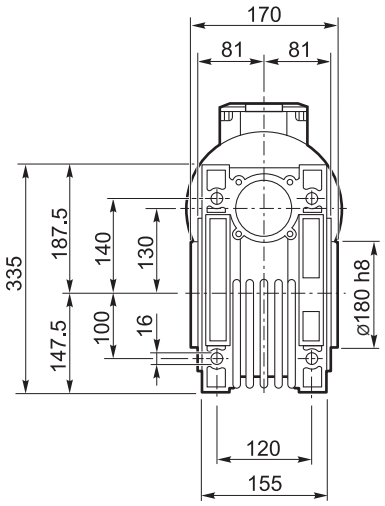

| | HX | Z | Kg |
|---|---|---|---|
| **080/110** | 41 | 260 | 23.8 |
| **090/110** | 36.5 | 314 | 24.5 |

SMT SMM 80 ... 90 → N4 pag.
TS 80 ... 100 → R4 pag.

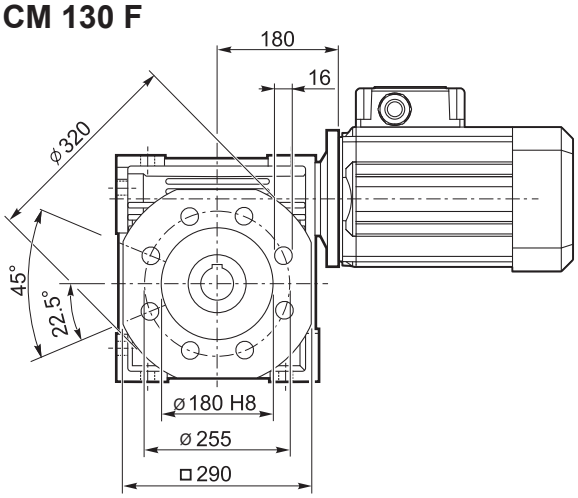
## Dimensioni — *Dimensions*

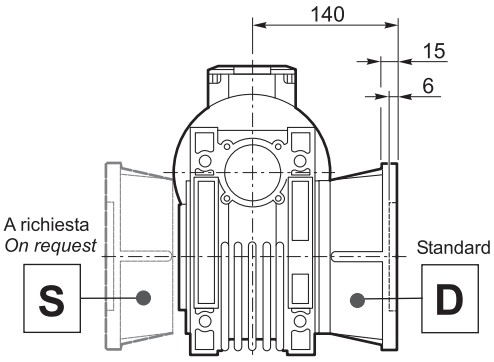
### CM 130 U

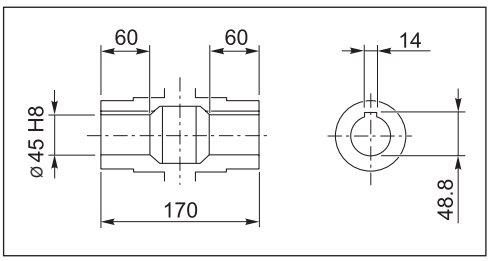



### CM 130 F

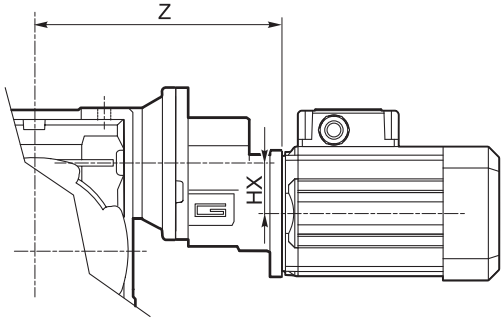


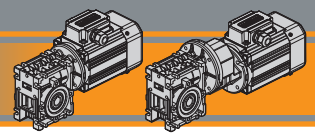

Albero lento cavo / *Hollow output shaft*

### CMP ..




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

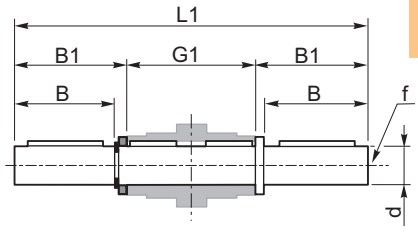
SMT SMM 80 ... 90 → N4 pag.
TS 80 ... 100 → R4 pag.



## Accessori / *Accessories*

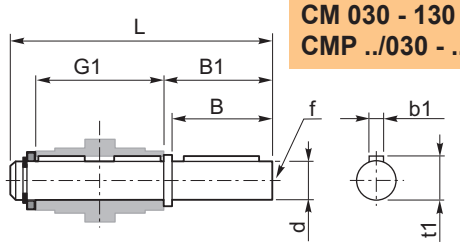
### Albero lento semplice e doppio / *Single and double output shaft*

DZ




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

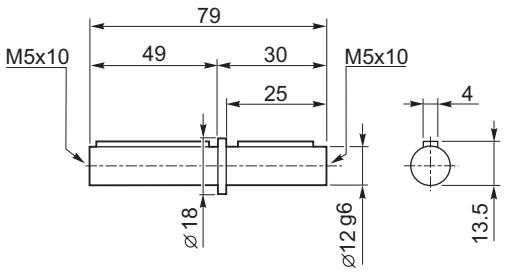
SZ




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

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

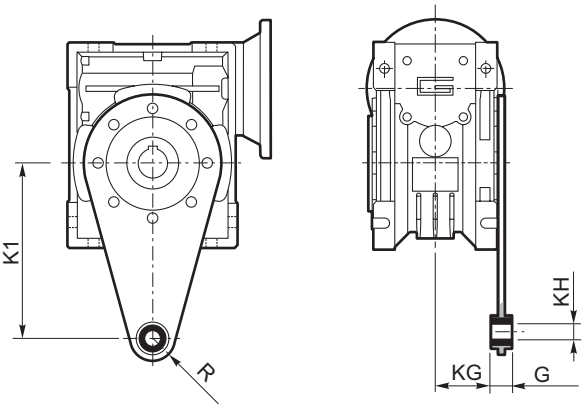
**CM 026 (*)**



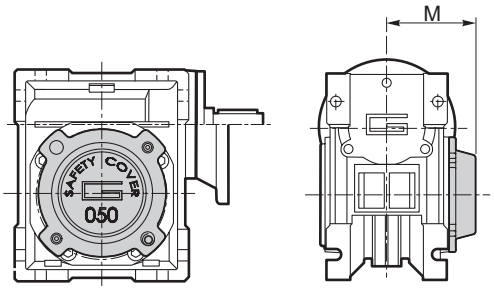

(*)
**Nota:** disponibile solo per cavo uscita Ø12
***Note:*** *available for output hollow shaft Ø12 only*

### Braccio di reazione / *Torque arm*

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

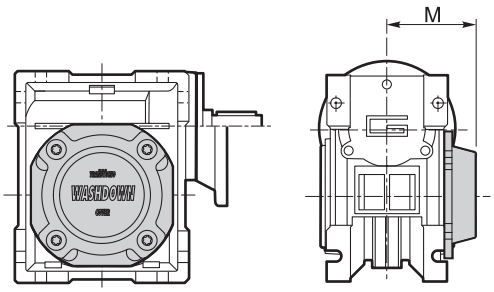


## SC - *Safety Cover*




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

## WD - *Kit washdown cover*



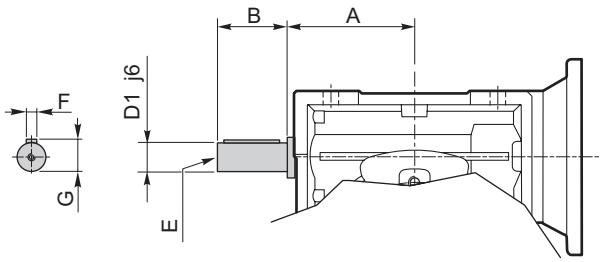

| CM | CMP | M |
|---|---|---|
| 026 (*) | - | 37.5 |
| 030 | 056/030 | 48 |
| 040 | 056/040<br>063/040 | 55.5 |
| 050 | 063/050<br>071/050 | 63.5 |
| 063 | 063/063<br>071/063<br>080/063 | 71.5 |
| 070 | 071/070<br>080/070<br>090/070 | 76 |
| 075 | 071/075<br>080/075<br>090/075 | 80 |
| 090 | 071/090<br>080/090<br>090/090 | 95 |
| 110 | 080/110<br>090/110 | 103 |

**(*)**
**Nota:** Viti escluse dalla fornitura
***Note:*** *Screws not included in the supply*

## 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<br>063/040 | 53 | 23 | 11 | M5 | 4 | 12.5 |
| 050 | 063/050<br>071/050 | 64 | 30 | 14 | M6 | 5 | 16 |
| 063 | 063/063<br>071/063<br>080/063 | 75 | 40 | 19 | M6 | 6 | 21.5 |
| 070 | 071/070<br>080/070<br>090/070 | 84 | 40 | 19 | M6 | 6 | 21.5 |
| 075 | 071/075<br>080/075<br>090/075 | 90 | 50 | 24 | M8 | 8 | 27 |
| 090 | 071/090<br>080/090<br>090/090 | 108 | 50 | 24 | M8 | 8 | 27 |
| 110 | 080/110<br>090/110 | 135 | 60 | 28 | M10 | 8 | 31 |
| 130 | 080/130<br>090/130 | — | — | — | — | — | — |




Costruito su richiesta
*Built on request*

TRANSTECNO®
the modular gearmotor

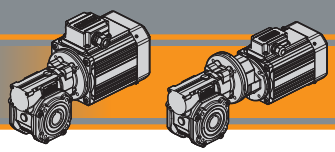
# CL-CLP

CL-CLP

CL-CLP Alù

## Motoriduttori a vite senza fine
## Wormgearmotors






| Indice | *Index* | Pag. *Page* |
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| Caratteristiche tecniche | *Technical features* | **H2** |
| Designazione | *Classification* | **H2** |
| Sensi di rotazione | *Direction of rotation* | **H4** |
| Simbologia | *Symbols* | **H4** |
| Lubrificazione | *Lubrication* | **H4** |
| Carichi radiali | *Radial loads* | **H5** |
| Dati di dentatura | *Toothing data* | **H6** |
| Rendimento | *Efficiency* | **H6** |
| Dati tecnici | *Technical data* | **H7** |
| Motori applicabili | *IEC Motor adapters* | **H14** |
| Dimensioni | *Dimensions* | **H16** |
| Accessori | *Accessories* | **H28** |
| Opzioni | *Options* | **H28** |




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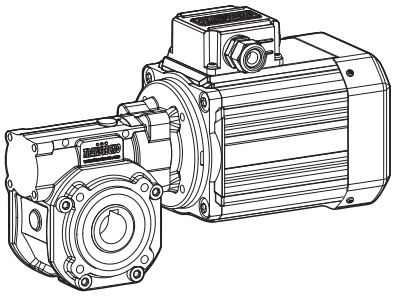
## Caratteristiche tecniche — *Technical features*

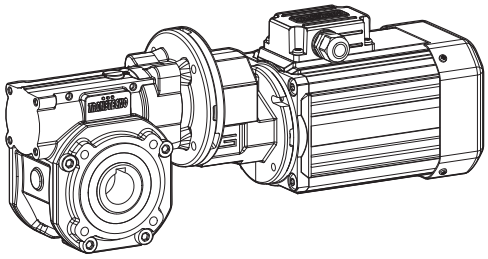
L'elevata modularità contraddistingue i motoriduttori a vite senza fine della serie CL e CLP: i diversi kit entrata ed uscita li rendono estremamente versatili.
Le caratteristiche principali della serie CL e CLP sono:

- Carcassa in alluminio nelle grandezze 026, 030, 040, 050, 063 e 070;
- Le precoppie sono costruite con carcassa in allumino;

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

- *Die-cast aluminium housing on sizes 026, 030, 040, 050, 063 and 070;*
- *Die-cast aluminium housing on pre-stage units;*

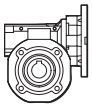
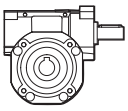




## Designazione — *Classification*

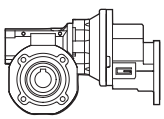
### RIDUTTORI A VITE SENZA FINE / WORMGEARBOXES

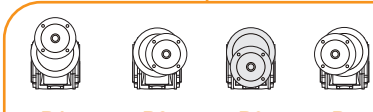
070RIDUTTORE / *GEARBOX*

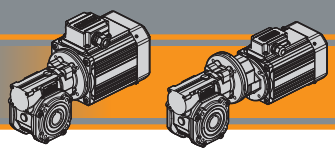
| CL | 030 | U | 10 | 63 | B14 | SZDX | BRSX | 90 | VS |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Versione riduttore *Gearbox Version* | Rapporto *Ratio* | IEC | Forma costruttiva *Version* | Albero di uscita *Output shaft* | Braccio di reazione *Torque arm* | Angolo *Angle* | Opzioni *Options* |
| **CL**  **CLIS**  | **026**<br>**026 (D11)**<br>**026 (D14)**<br>**030**<br>**040**<br>**050**<br>**063**<br>**070** | **U**<br>**F...** | Vedere tabella<br>*See tables* | **56..**<br>**—**<br>**112..** | **B5**<br>**B14** | **SZDX**<br>**SZSX**<br>**DZ** | **BRDX**<br>**BRSX**<br>(*) | **0°**<br>**90°**<br>**180°**<br>**270°** | **VS** |

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

RIDUTTORE / *GEARBOX*

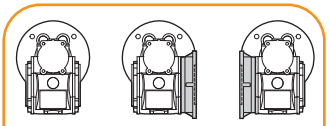
| CLP | 063/050 | U | 90 | 63 | B14 | SZDX | BRSX | 90 | P4 | M1 | VS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Versione Riduttore *Gearbox Version* | Rapporto *Ratio* | IEC | Forma costruttiva Version | Albero di uscita *Output shaft* | Braccio di reazione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



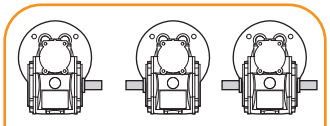


## Designazione — *Classification*

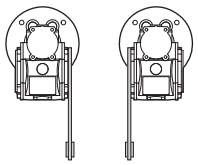
Versione Riduttore *Gearbox Version*



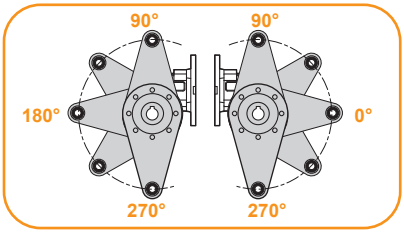

Albero di uscita *Output shaft*




Braccio di reazione *Torque arm* (*)




Angolo *Angle*




(*) NOTA: il braccio di reazione viene fornito smontato.
*NOTE: the torque arm will be supplied not assembled.*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMT | N1 pag. | 1-2-3-4-5 | 4 | 0.04 kW ... 2.2 kW | B14 | 230-400 V 460V | 50Hz 60Hz | TEFC TENV | O1 P1 Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

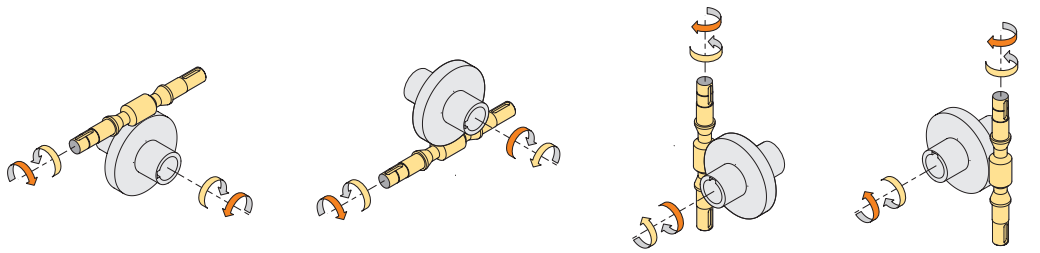
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMM | N1 pag. | 1-2-3-4 | 4 | 0.04 kW ... 0.75 kW | B14 | 230V | 50Hz | TEFC TENV | Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE TRIFASE / *THREE PHASE MOTOR*

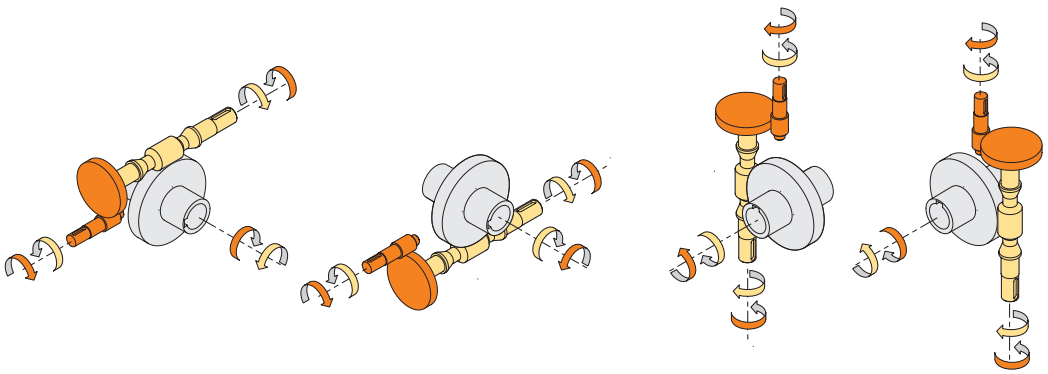
| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| TS | R1 pag. | 1-2-3-S L1-L2 | 4 | 0.09 kW ... 2.2 kW | B5 B14 | 3 ph | 230-400 V 275-480 V | 50Hz 60Hz | T1 (Std) T4 T2 T3 |

## Sensi di rotazione — *Direction of rotation*

**CL**



**CLP**



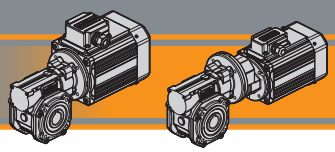
## Simbologia — *Symbols*

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

## Lubrificazione — *Lubrication*

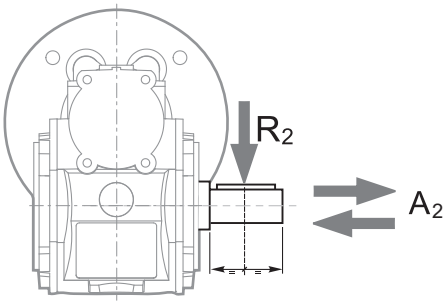
Tutti i motoriduttori sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di montaggio e non necessitano di manutenzione.

*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*

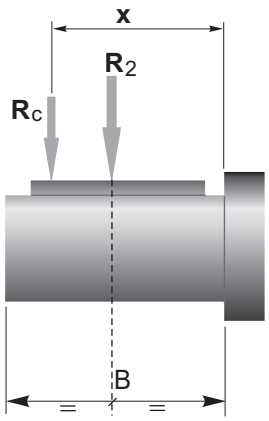



$A_2 = R_2 \times 0.2$

| $n_2$ [$min^{-1}$] | $R_2$ [N] | | | | | |
|---|---|---|---|---|---|---|
| | CL026 | CL030 | CL040 | CL050 | CL063 | CL070 |
| 187 | 400 | 674 | 1264 | 1770 | 2445 | 2613 |
| 140 | 490 | 743 | 1392 | 1949 | 2692 | 2878 |
| 93 | 580 | 851 | 1596 | 2234 | 3085 | 3298 |
| 70 | 610 | 936 | 1754 | 2456 | 3392 | 3626 |
| 56 | 610 | 1008 | 1890 | 2646 | 3654 | 3906 |
| 47 | 610 | 1069 | 2004 | 2805 | 3874 | 4141 |
| 35 | 610 | 1179 | 2210 | 3095 | 4273 | 4568 |
| 28 | 610 | 1270 | 2381 | 3334 | 4603 | 4921 |
| 23 | 610 | 1356 | 2542 | 3559 | 4915 | 5254 |
| 18 | 610 | 1471 | 2759 | 3862 | 5334 | 5702 |
| 14 | 610 | 1600 | 3000 | 4200 | 5800 | 6200 |
| | | CLP... /030 | CLP... /040 | CLP... /050 | CLP... /063 | CLP... /070 |

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

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




| | CL | CL / CLP | | | | |
|---|---|---|---|---|---|---|
| | 026 | 030 | 040 | 050 | 063 | 070 |
| a | 56 | 65 | 84 | 101 | 120 | 122 |
| b | 43 | 50 | 64 | 76 | 95 | 92 |
| $R_{2MAX}$ | 610 | 1600 | 3000 | 4200 | 5800 | 6200 |

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

$$R \leq R_c$$

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

Lunghezze alberi disponibili
*Output shafts lenght available*

H28 pag.

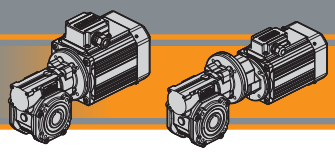
## Dati di dentatura / *Toothing data*

| | Dati della coppia vite-corona *Worm wheel data* | Rapporto / *Ratio* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| CL026 | 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' | | |
| CL030 | 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' |
| CL040 | 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' |
| CL050 | 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' |
| CL063 | 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' |
| CL070 | Z | | 4 | 3 | 2 | 2 | 2 | 1 | 1 | 1 | 1 | 1 | 1 |
| | β | | 26°12' | 20°15' | 13°49' | 11°15' | 9°29' | 7°0' | 5°41' | 4°46' | 4°7' | 3°13' | 2°39' |

## Rendimento / *Efficiency*

| | $n_1$ [$min^{-1}$] | Rendimento *Efficiency* | Rapporto / *Ratio* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| CL026 | 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 | | | |
| CL030 | 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 |
| CL040 | 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 |
| CL050 | 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 |
| CL063 | 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 |
| CL070 | 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 |

**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***

## CLIS026

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

## CLIS030

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

## CLIS040

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

## CLIS050

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

## CLIS063

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

## CLIS070

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

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

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

## Dati tecnici

*Technical data*

### 0.04 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5014 | 280 | 1 | 11.0 | 5 | CL026 | | B14 |
| SMM5014 | 187 | 2 | 8.1 | 7.5 | CL026 | | B14 |
| (1400 min$^{-1}$) | 140 | 2 | 6.2 | 10 | CL026 | | B14 |
| | 93 | 3 | 4.4 | 15 | CL026 | | B14 |
| SMT SMM | 70 | 4 | 3.5 | 20 | CL026 | | B14 |
| | 47 | 5 | 2.8 | 30 | CL026 | | B14 |
| | 35 | 7 | 2.1 | 40 | CL026 | | B14 |
| | 28 | 8 | 1.7 | 50 | CL026 | | B14 |
| | 23 | 9 | 1.4 | 60 | CL026 | | B14 |
| | 280 | 1 | 15.3 | 5 | CL030 | | B14 |
| | 187 | 2 | 11.5 | 7.5 | CL030 | | B14 |
| | 140 | 2 | 9.2 | 10 | CL030 | | B14 |
| | 93 | 3 | 6.5 | 15 | CL030 | | B14 |
| | 70 | 4 | 4.6 | 20 | CL030 | | B14 |
| | 56 | 5 | 4.1 | 25 | CL030 | | B14 |
| | 47 | 5 | 4.0 | 30 | CL030 | | B14 |
| | 35 | 7 | 3.0 | 40 | CL030 | | B14 |
| | 28 | 8 | 2.4 | 50 | CL030 | | B14 |
| | 23 | 9 | 1.9 | 60 | CL030 | | B14 |
| | 23 | 11 | 2.4 | 60 | | CLP056/030 | B14 |
| | 19 | 13 | 2.1 | 75 | | CLP056/030 | B14 |
| | 18 | 10 | 1.4 | 80 | CL030 | | B14 |
| | 16 | 14 | 2.3 | 90 | | CLP056/030 | B14 |
| | 14 | 12 | 1.2 | 100 | CL030 | | B14 |
| | 12 | 17 | 1.7 | 120 | | CLP056/030 | B14 |
| | 9.3 | 20 | 1.4 | 150 | | CLP056/030 | B14 |
| | 28 | 8 | 4.8 | 50 | CL040 | | B14 |
| | 23 | 9 | 3.8 | 60 | CL040 | | B14 |
| | 23 | 11 | 5.2 | 60 | | CLP056/040 | B14 |
| | 19 | 13 | 3.9 | 75 | | CLP056/040 | B14 |
| | 18 | 11 | 2.9 | 80 | CL040 | | B14 |
| | 16 | 15 | 4.7 | 90 | | CLP056/040 | B14 |
| | 14 | 13 | 2.5 | 100 | CL040 | | B14 |
| | 12 | 19 | 3.3 | 120 | | CLP056/040 | B14 |
| | 9.3 | 21 | 2.7 | 150 | | CLP056/040 | B14 |
| | 7.8 | 24 | 2.3 | 180 | | CLP056/040 | B14 |
| | 5.8 | 28 | 1.7 | 240 | | CLP056/040 | B14 |
| | 4.7 | 30 | 1.4 | 300 | | CLP056/040 | B14 |

### 0.06 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5024 | 280 | 2 | 7.3 | 5 | CL026 | | B14 |
| SMM5024 | 187 | 3 | 5.4 | 7.5 | CL026 | | B14 |
| (1400 min$^{-1}$) | 140 | 3 | 4.1 | 10 | CL026 | | B14 |
| | 93 | 5 | 2.9 | 15 | CL026 | | B14 |
| SMT SMM | 70 | 6 | 2.3 | 20 | CL026 | | B14 |
| | 47 | 8 | 1.9 | 30 | CL026 | | B14 |
| | 35 | 10 | 1.4 | 40 | CL026 | | B14 |
| | 28 | 12 | 1.1 | 50 | CL026 | | B14 |
| | 23 | 13 | 0.9 | 60 | CL026 | | B14 |

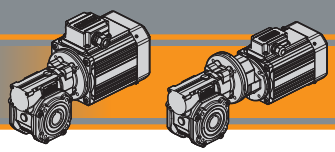
### 0.06 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5024 | 280 | 2 | 10.2 | 5 | CL030 | | B14 |
| SMM5024 | 187 | 3 | 7.7 | 7.5 | CL030 | | B14 |
| (1400 min$^{-1}$) | 140 | 3 | 6.1 | 10 | CL030 | | B14 |
| | 93 | 5 | 4.3 | 15 | CL030 | | B14 |
| SMT SMM | 70 | 6 | 3.1 | 20 | CL030 | | B14 |
| | 56 | 7 | 2.7 | 25 | CL030 | | B14 |
| | 47 | 8 | 2.7 | 30 | CL030 | | B14 |
| | 35 | 10 | 2.0 | 40 | CL030 | | B14 |
| | 28 | 12 | 1.6 | 50 | CL030 | | B14 |
| | 23 | 14 | 1.3 | 60 | CL030 | | B14 |
| | 23 | 16 | 1.6 | 60 | | CLP056/030 | B14 |
| | 19 | 19 | 1.4 | 75 | | CLP056/030 | B14 |
| | 18 | 16 | 1.0 | 80 | CL030 | | B14 |
| | 16 | 21 | 1.5 | 90 | | CLP056/030 | B14 |
| | 14 | 18 | 0.8 | 100 | CL030 | | B14 |
| | 12 | 26 | 1.1 | 120 | | CLP056/030 | B14 |
| | 9.3 | 29 | 0.9 | 150 | | CLP056/030 | B14 |
| | 28 | 12 | 3.2 | 50 | CL040 | | B14 |
| | 23 | 14 | 2.5 | 60 | CL040 | | B14 |
| | 23 | 17 | 3.4 | 60 | | CLP056/040 | B14 |
| | 19 | 20 | 2.6 | 75 | | CLP056/040 | B14 |
| | 18 | 17 | 1.9 | 80 | CL040 | | B14 |
| | 16 | 23 | 3.1 | 90 | | CLP056/040 | B14 |
| | 14 | 19 | 1.6 | 100 | CL040 | | B14 |
| | 12 | 28 | 2.2 | 120 | | CLP056/040 | B14 |
| | 9.3 | 32 | 1.8 | 150 | | CLP056/040 | B14 |
| | 7.8 | 35 | 1.5 | 180 | | CLP056/040 | B14 |
| | 5.8 | 41 | 1.1 | 240 | | CLP056/040 | B14 |
| | 4.7 | 46 | 0.9 | 300 | | CLP056/040 | B14 |

### 0.09 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | |
|---|---|---|---|---|---|---|---|---|
| SMT5034 | 280 | 3 | 4.9 | 5 | CL026 | | B14 |
| SMM5034 | 187 | 4 | 3.6 | 7.5 | CL026 | | B14 |
| SMT5624 | 140 | 5 | 2.7 | 10 | CL026 | | B14 |
| SMM5624 | 93 | 7 | 1.9 | 15 | CL026 | | B14 |
| (1400 min$^{-1}$) | 70 | 9 | 1.5 | 20 | CL026 | | B14 |
| | 47 | 12 | 1.2 | 30 | CL026 | | B14 |
| SMT SMM | 35 | 15 | 0.9 | 40 | CL026 | | B14 |
| TS5624-B14 | 280 | 3 | 6.8 | 5 | CL030 | | B5/B14 |
| TS5624-B5 | 187 | 4 | 5.1 | 7.5 | CL030 | | B5/B14 |
| (1400 min$^{-1}$) | 140 | 5 | 4.1 | 10 | CL030 | | B5/B14 |
| | 93 | 7 | 2.9 | 15 | CL030 | | B5/B14 |
| | 70 | 9 | 2.1 | 20 | CL030 | | B5/B14 |
| | 56 | 11 | 1.8 | 25 | CL030 | | B5/B14 |
| | 47 | 12 | 1.8 | 30 | CL030 | | B5/B14 |
| | 35 | 15 | 1.3 | 40 | CL030 | | B5/B14 |
| | 28 | 18 | 1.1 | 50 | CL030 | | B5/B14 |
| | 23 | 20 | 0.8 | 60 | CL030 | | B5/B14 |

| Motori *Motors* | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| | 5014<br>5024<br>5034 | 5624 | 5014<br>5024<br>5034 | 5624 | 5624 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.09 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5034 | **23** | 24 | 1.1 | 60 | | **CLP056/030** | **B14** |
| SMM5034 | **19** | 29 | 0.9 | 75 | | **CLP056/030** | **B14** |
| SMT5624 | **16** | 32 | 1.0 | 90 | | **CLP056/030** | **B14** |
| SMM5624 | **12** | 38 | 0.8 | 120 | | **CLP056/030** | **B14** |
| (1400 min$^{-1}$) | | | | | | | |
| SMT SMM | **35** | 16 | 2.6 | 40 | **CL040** | | **B5/B14** |
| | **28** | 18 | 2.1 | 50 | **CL040** | | **B5/B14** |
| | **23** | 21 | 1.7 | 60 | **CL040** | | **B5/B14** |
| TS5624-B14 | **23** | 25 | 2.3 | 60 | | **CLP056/040** | **B14** |
| **TS5624-B5** | **19** | 30 | 1.7 | 75 | | **CLP056/040** | **B14** |
| (1400 min$^{-1}$) | **18** | 26 | 1.3 | 80 | **CL040** | | **B5/B14** |
| | **16** | 34 | 2.1 | 90 | | **CLP056/040** | **B14** |
| | **14** | 28 | 1.1 | 100 | **CL040** | | **B5/B14** |
| | **12** | 42 | 1.5 | 120 | | **CLP056/040** | **B14** |
| | **9.3** | 48 | 1.2 | 150 | | **CLP056/040** | **B14** |
| | **7.8** | 53 | 1.0 | 180 | | **CLP056/040** | **B14** |
| | **5.8** | 62 | 0.8 | 240 | | **CLP056/040** | **B14** |

### 0.12 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5044 | **280** | 4 | 3.7 | 5 | **CL026** | | **B14** |
| SMT5634 | **187** | 5 | 2.7 | 7.5 | **CL026** | | **B14** |
| SMM5634 | **140** | 7 | 2.1 | 10 | **CL026** | | **B14** |
| (1400 min$^{-1}$) | **93** | 10 | 1.5 | 15 | **CL026** | | **B14** |
| | **70** | 12 | 1.2 | 20 | **CL026** | | **B14** |
| SMT SMM | **47** | 16 | 0.9 | 30 | **CL026** | | **B14** |
| | **280** | 4 | 5.1 | 5 | **CL030** | | **B14** |
| | **187** | 5 | 3.8 | 7.5 | **CL030** | | **B14** |
| | **140** | 7 | 3.1 | 10 | **CL030** | | **B14** |
| | **93** | 10 | 2.2 | 15 | **CL030** | | **B14** |
| | **70** | 12 | 1.5 | 20 | **CL030** | | **B14** |
| | **56** | 15 | 1.4 | 25 | **CL030** | | **B14** |
| | **47** | 16 | 1.3 | 30 | **CL030** | | **B14** |
| | **35** | 20 | 1.0 | 40 | **CL030** | | **B14** |
| | **28** | 24 | 0.8 | 50 | **CL030** | | **B14** |
| | **280** | 4 | 11.4 | 5 | **CL040** | | **B14** |
| | **187** | 5 | 8.3 | 7.5 | **CL040** | | **B14** |
| | **140** | 7 | 6.5 | 10 | **CL040** | | **B14** |
| | **93** | 10 | 4.5 | 15 | **CL040** | | **B14** |
| | **70** | 13 | 3.1 | 20 | **CL040** | | **B14** |
| | **56** | 15 | 2.5 | 25 | **CL040** | | **B14** |
| | **47** | 17 | 2.8 | 30 | **CL040** | | **B14** |
| | **35** | 21 | 2.0 | 40 | **CL040** | | **B14** |
| | **28** | 25 | 1.6 | 50 | **CL040** | | **B14** |
| | **23** | 28 | 1.3 | 60 | **CL040** | | **B14** |
| | **23** | 34 | 1.7 | 60 | | **CLP056/040** | **B14** |
| | **19** | 40 | 1.3 | 75 | | **CLP056/040** | **B14** |
| | **18** | 34 | 1.0 | 80 | **CL040** | | **B14** |

### 0.12 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5044 | **16** | 45 | 1.6 | 90 | | **CLP056/040** | **B14** |
| SMT5634 | **14** | 38 | 0.8 | 100 | **CL040** | | **B14** |
| SMM5634 | **12** | 56 | 1.1 | 120 | | **CLP056/040** | **B14** |
| (1400 min$^{-1}$) | **9** | 64 | 1.0 | 150 | | **CLP056/040** | **B14** |
| SMT SMM | | | | | | | |

### 0.12 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| TS6314 | **280** | 4 | 5.1 | 5 | **CL030** | | **B5/B14** |
| (1400 min$^{-1}$) | **187** | 5 | 3.8 | 7.5 | **CL030** | | **B5/B14** |
| | **140** | 7 | 3.1 | 10 | **CL030** | | **B5/B14** |
| | **93** | 10 | 2.2 | 15 | **CL030** | | **B5/B14** |
| | **70** | 12 | 1.5 | 20 | **CL030** | | **B5/B14** |
| | **56** | 15 | 1.4 | 25 | **CL030** | | **B5/B14** |
| | **47** | 16 | 1.3 | 30 | **CL030** | | **B5/B14** |
| | **35** | 20 | 1.0 | 40 | **CL030** | | **B5/B14** |
| | **28** | 24 | 0.8 | 50 | **CL030** | | **B5/B14** |
| | **280** | 4 | 11.4 | 5 | **CL040** | | **B5/B14** |
| | **187** | 5 | 8.3 | 7.5 | **CL040** | | **B5/B14** |
| | **140** | 7 | 6.5 | 10 | **CL040** | | **B5/B14** |
| | **93** | 10 | 4.5 | 15 | **CL040** | | **B5/B14** |
| | **70** | 13 | 3.1 | 20 | **CL040** | | **B5/B14** |
| | **56** | 15 | 2.5 | 25 | **CL040** | | **B5/B14** |
| | **47** | 17 | 2.8 | 30 | **CL040** | | **B5/B14** |
| | **35** | 21 | 2.0 | 40 | **CL040** | | **B5/B14** |
| | **28** | 25 | 1.6 | 50 | **CL040** | | **B5/B14** |
| | **23** | 28 | 1.3 | 60 | **CL040** | | **B5/B14** |
| | **23** | 34 | 1.7 | 60 | | **CLP063/040** | **B14** |
| | **19** | 40 | 1.3 | 75 | | **CLP063/040** | **B14** |
| | **18** | 34 | 1.0 | 80 | **CL040** | | **B5/B14** |
| | **16** | 45 | 1.6 | 90 | | **CLP063/040** | **B14** |
| | **14** | 38 | 0.8 | 100 | **CL040** | | **B5/B14** |
| | **12** | 56 | 1.1 | 120 | | **CLP063/040** | **B14** |
| | **35** | 22 | 3.5 | 40 | **CL050** | | **B5/B14** |
| | **28** | 26 | 2.8 | 50 | **CL050** | | **B5/B14** |
| | **23** | 29 | 2.3 | 60 | **CL050** | | **B5/B14** |
| | **23** | 34 | 3.0 | 60 | | **CLP063/050** | **B14** |
| | **19** | 40 | 2.3 | 75 | | **CLP063/050** | **B14** |
| | **18** | 35 | 1.7 | 80 | **CL050** | | **B5/B14** |
| | **16** | 47 | 2.7 | 90 | | **CLP063/050** | **B14** |
| | **14** | 40 | 1.4 | 100 | **CL050** | | **B5/B14** |
| | **12** | 57 | 1.9 | 120 | | **CLP063/050** | **B14** |
| | **9.3** | 66 | 1.6 | 150 | | **CLP063/050** | **B14** |
| | **7.8** | 74 | 1.3 | 180 | | **CLP063/050** | **B14** |
| | **5.8** | 85 | 1.0 | 240 | | **CLP063/050** | **B14** |
| | **14** | 43 | 2.7 | 100 | **CL063** | | **B5** |
| | **9.3** | 69 | 2.8 | 150 | | **CLP063/063** | **B14** |
| | **7.8** | 77 | 2.3 | 180 | | **CLP063/063** | **B14** |
| | **5.8** | 90 | 1.7 | 240 | | **CLP063/063** | **B14** |
| | **4.7** | 101 | 1.4 | 300 | | **CLP063/063** | **B14** |

IEC

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 5034<br>5044 | 5624<br>5634 | 5034 | 5624<br>5634 | 5624 | 6314 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 | 63 B5 / B14 |

## Dati tecnici

*Technical data*

### 0.18 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5644 | **280** | 5.3 | 2.4 | 5 | **CL026** | | | **B14** |
| SMM5644 | **187** | 7.7 | 1.8 | 7.5 | **CL026** | | | **B14** |
| (1400 min$^{-1}$) | **140** | 10 | 1.4 | 10 | **CL026** | | | **B14** |
| | **93** | 14 | 1.0 | 15 | **CL026** | | | **B14** |
| SMT SMM | **70** | 18 | 0.8 | 20 | **CL026** | | | **B14** |
| | | | | | | | | |
| | **280** | 5 | 3.4 | 5 | **CL030** | | | **B14** |
| | **187** | 8 | 2.6 | 7.5 | **CL030** | | | **B14** |
| | **140** | 10 | 2.0 | 10 | **CL030** | | | **B14** |
| | **93** | 15 | 1.4 | 15 | **CL030** | | | **B14** |
| | **70** | 18 | 1.0 | 20 | **CL030** | | | **B14** |
| | **56** | 22 | 0.9 | 25 | **CL030** | | | **B14** |
| | **47** | 25 | 0.9 | 30 | **CL030** | | | **B14** |
| | | | | | | | | |
| | **280** | 5 | 7.6 | 5 | **CL040** | | | **B14** |
| | **187** | 8 | 5.6 | 7.5 | **CL040** | | | **B14** |
| | **140** | 10 | 4.4 | 10 | **CL040** | | | **B14** |
| | **93** | 15 | 3.0 | 15 | **CL040** | | | **B14** |
| | **70** | 19 | 2.1 | 20 | **CL040** | | | **B14** |
| | **56** | 23 | 1.7 | 25 | **CL040** | | | **B14** |
| | **47** | 26 | 1.9 | 30 | **CL040** | | | **B14** |
| | **35** | 32 | 1.3 | 40 | **CL040** | | | **B14** |
| | **28** | 37 | 1.1 | 50 | **CL040** | | | **B14** |
| | **23** | 43 | 0.8 | 60 | **CL040** | | | **B14** |
| | **23** | 51 | 1.1 | 60 | | **CLP056/040** | | **B14** |
| | **19** | 60 | 0.9 | 75 | | **CLP056/040** | | **B14** |
| | **16** | 68 | 1.0 | 90 | | **CLP056/040** | | **B14** |

### 0.18 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT6324 | **280** | 5 | 3.4 | 5 | **CL030** | | | **B5/B14** |
| SMM6324 | **187** | 8 | 2.6 | 7.5 | **CL030** | | | **B5/B14** |
| (1400 min$^{-1}$) | **140** | 10 | 2.0 | 10 | **CL030** | | | **B5/B14** |
| | **93** | 15 | 1.4 | 15 | **CL030** | | | **B5/B14** |
| SMT SMM | **70** | 18 | 1.0 | 20 | **CL030** | | | **B5/B14** |
| | **56** | 22 | 0.9 | 25 | **CL030** | | | **B5/B14** |
| TS6324-B14 | **47** | 25 | 0.9 | 30 | **CL030** | | | **B5/B14** |
| **TS6324-B5** | | | | | | | | |
| (1400 min$^{-1}$) | **280** | 5 | 7.6 | 5 | **CL040** | | | **B5/B14** |
| | **187** | 8 | 5.6 | 7.5 | **CL040** | | | **B5/B14** |
| | **140** | 10 | 4.4 | 10 | **CL040** | | | **B5/B14** |
| | **93** | 15 | 3.0 | 15 | **CL040** | | | **B5/B14** |
| | **70** | 19 | 2.1 | 20 | **CL040** | | | **B5/B14** |
| | **56** | 23 | 1.7 | 25 | **CL040** | | | **B5/B14** |
| | **47** | 26 | 1.9 | 30 | **CL040** | | | **B5/B14** |
| | **35** | 32 | 1.3 | 40 | **CL040** | | | **B5/B14** |
| | **28** | 37 | 1.1 | 50 | **CL040** | | | **B5/B14** |
| | **23** | 43 | 0.8 | 60 | **CL040** | | | **B5/B14** |
| | **23** | 51 | 1.1 | 60 | | **CLP063/040** | | **B14** |
| | **19** | 60 | 0.9 | 75 | | **CLP063/040** | | **B14** |
| | **16** | 68 | 1.0 | 90 | | **CLP063/040** | | **B14** |

### 0.18 - IEC 63

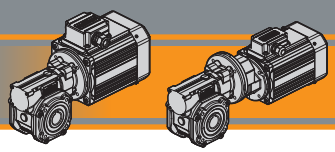
| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT6324 | **35** | 33 | 2.3 | 40 | **CL050** | | | **B5/B14** |
| SMM6324 | **28** | 39 | 1.9 | 50 | **CL050** | | | **B5/B14** |
| (1400 min$^{-1}$) | **23** | 44 | 1.6 | 60 | **CL050** | | | **B5/B14** |
| | **23** | 51 | 2.0 | 60 | | **CLP063/050** | | **B14** |
| SMT SMM | **19** | 60 | 1.5 | 75 | | **CLP063/050** | | **B14** |
| | **18** | 53 | 1.1 | 80 | **CL050** | | | **B5/B14** |
| TS6324-B14 | **16** | 70 | 1.8 | 90 | | **CLP063/050** | | **B14** |
| **TS6324-B5** | **14** | 60 | 0.9 | 100 | **CL050** | | | **B5/B14** |
| (1400 min$^{-1}$) | **12** | 85 | 1.3 | 120 | | **CLP063/050** | | **B14** |
| | **9.3** | 99 | 1.0 | 150 | | **CLP063/050** | | **B14** |
| | **7.8** | 110 | 0.9 | 180 | | **CLP063/050** | | **B14** |
| | | | | | | | | |
| | **23** | 46 | 2.7 | 60 | **CL063** | | | **B5** |
| | **23** | 53 | 3.6 | 60 | | **CLP063/063** | | **B14** |
| | **19** | 63 | 2.7 | 75 | | **CLP063/063** | | **B14** |
| | **18** | 56 | 2.1 | 80 | **CL063** | | | **B5** |
| | **16** | 69 | 3.4 | 90 | | **CLP063/063** | | **B14** |
| | **14** | 64 | 1.8 | 100 | **CL063** | | | **B5** |
| | **12** | 87 | 2.4 | 120 | | **CLP063/063** | | **B14** |
| | **9.3** | 103 | 1.9 | 150 | | **CLP063/063** | | **B14** |
| | **7.8** | 115 | 1.6 | 180 | | **CLP063/063** | | **B14** |
| | **5.8** | 136 | 1.1 | 240 | | **CLP063/063** | | **B14** |
| | **4.7** | 152 | 0.9 | 300 | | **CLP063/063** | | **B14** |

### 0.25 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|---|
| SMT5654 | **280** | 7 | 1.8 | 5 | **CL026** | | | **B14** |
| (1400 min$^{-1}$) | **187** | 11 | 1.3 | 8 | **CL026** | | | **B14** |
| | **140** | 14 | 1.0 | 10 | **CL026** | | | **B14** |
| SMT SMM | | | | | | | | |
| | **280** | 7.3 | 2.5 | 5 | **CL030** | | | **B14** |
| | **187** | 11 | 1.8 | 7.5 | **CL030** | | | **B14** |
| | **140** | 14 | 1.5 | 10 | **CL030** | | | **B14** |
| | **93** | 20 | 1.0 | 15 | **CL030** | | | **B14** |
| | | | | | | | | |
| | **280** | 8 | 5.5 | 5 | **CL040** | | | **B14** |
| | **187** | 11 | 4.0 | 7.5 | **CL040** | | | **B14** |
| | **140** | 14 | 3.1 | 10 | **CL040** | | | **B14** |
| | **93** | 21 | 2.2 | 15 | **CL040** | | | **B14** |
| | **70** | 27 | 1.5 | 20 | **CL040** | | | **B14** |
| | **56** | 32 | 1.2 | 25 | **CL040** | | | **B14** |
| | **47** | 36 | 1.3 | 30 | **CL040** | | | **B14** |
| | **35** | 44 | 0.9 | 40 | **CL040** | | | **B14** |
| | **28** | 51 | 0.8 | 50 | **CL040** | | | **B14** |

IEC

| Motori *Motors* | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| | 5644 5654 | 6324 | 5644 | 6324 | 6324 |
| IEC | 56 B14 | 63 B14 | 56 B14 | 63 B14 | 63 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.25 - IEC 63

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT6334 | **280** | 7.3 | 2.5 | 5 | **CL030** | | **B5/B14** |
| SMM6334 | **187** | 11 | 1.8 | 7.5 | **CL030** | | **B5/B14** |
| (1400 min$^{-1}$) | **140** | 14 | 1.5 | 10 | **CL030** | | **B5/B14** |
| | **93** | 20 | 1.0 | 15 | **CL030** | | **B5/B14** |
| | | | | | | | |
| | **280** | 7.5 | 5.5 | 5 | **CL040** | | **B5/B14** |
| TS6334-B14 | **187** | 11 | 4.0 | 7.5 | **CL040** | | **B5/B14** |
| **TS6334-B5** | **140** | 14 | 3.1 | 10 | **CL040** | | **B5/B14** |
| (1400 min$^{-1}$) | **93** | 21 | 2.2 | 15 | **CL040** | | **B5/B14** |
| | **70** | 27 | 1.5 | 20 | **CL040** | | **B5/B14** |
| | **56** | 32 | 1.2 | 25 | **CL040** | | **B5/B14** |
| | **47** | 36 | 1.3 | 30 | **CL040** | | **B5/B14** |
| | **35** | 44 | 0.9 | 40 | **CL040** | | **B5/B14** |
| | **28** | 51 | 0.8 | 50 | **CL040** | | **B5/B14** |
| | | | | | | | |
| | **70** | 27 | 2.7 | 20 | **CL050** | | **B5/B14** |
| | **56** | 32 | 2.2 | 25 | **CL050** | | **B5/B14** |
| | **47** | 37 | 2.4 | 30 | **CL050** | | **B5/B14** |
| | **35** | 46 | 1.7 | 40 | **CL050** | | **B5/B14** |
| | **28** | 54 | 1.3 | 50 | **CL050** | | **B5/B14** |
| | **23** | 61 | 1.1 | 60 | **CL050** | | **B5/B14** |
| | **23** | 71 | 1.4 | 60 | | **CLP063/050** | **B14** |
| | **19** | 84 | 1.1 | 75 | | **CLP063/050** | **B14** |
| | **18** | 74 | 0.8 | 80 | **CL050** | | **B5/B14** |
| | **16** | 98 | 1.3 | 90 | | **CLP063/050** | **B14** |
| | | | | | | | |
| | **28** | 56 | 2.4 | 50 | **CL063** | | **B5** |
| | **23** | 64 | 2.0 | 60 | **CL063** | | **B5** |
| | **23** | 73 | 2.6 | 60 | | **CLP063/063** | **B14** |
| | **19** | 88 | 2.0 | 75 | | **CLP063/063** | **B14** |
| | **18** | 78 | 1.5 | 80 | **CL063** | | **B5** |
| | **16** | 96 | 2.4 | 90 | | **CLP063/063** | **B14** |
| | **14** | 89 | 1.3 | 100 | **CL063** | | **B5** |
| | **12** | 120 | 1.7 | 120 | | **CLP063/063** | **B14** |
| | **9.3** | 143 | 1.3 | 150 | | **CLP063/063** | **B14** |
| | **7.8** | 159 | 1.1 | 180 | | **CLP063/063** | **B14** |

### 0.25 - IEC 71

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| TS7114 | **280** | 7.5 | 5.5 | 5 | **CL040** | | **B5/B14** |
| (1400 min$^{-1}$) | **187** | 11 | 4.0 | 7.5 | **CL040** | | **B5/B14** |
| | **140** | 14 | 3.1 | 10 | **CL040** | | **B5/B14** |
| | **93** | 21 | 2.2 | 15 | **CL040** | | **B5/B14** |
| | **70** | 27 | 1.5 | 20 | **CL040** | | **B5/B14** |
| | **56** | 32 | 1.2 | 25 | **CL040** | | **B5/B14** |
| | **47** | 36 | 1.3 | 30 | **CL040** | | **B5/B14** |
| | **35** | 44 | 0.9 | 40 | **CL040** | | **B5/B14** |

### 0.25 - IEC 71

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| TS7114 | **70** | 27 | 2.7 | 20 | **CL050** | | **B5/B14** |
| (1400 min$^{-1}$) | **56** | 32 | 2.2 | 25 | **CL050** | | **B5/B14** |
| | **47** | 37 | 2.4 | 30 | **CL050** | | **B5/B14** |
| | **35** | 46 | 1.7 | 40 | **CL050** | | **B5/B14** |
| | **28** | 54 | 1.3 | 50 | **CL050** | | **B5/B14** |
| | **23** | 61 | 1.1 | 60 | **CL050** | | **B5/B14** |
| | **23** | 71 | 1.4 | 60 | | **CLP071/050** | **B14** |
| | **19** | 84 | 1.1 | 75 | | **CLP071/050** | **B14** |
| | **18** | 74 | 0.8 | 80 | **CL050** | | **B5/B14** |
| | **16** | 98 | 1.3 | 90 | | **CLP071/050** | **B14** |
| | | | | | | | |
| | **28** | 56 | 2.4 | 50 | **CL063** | | **B5** |
| | **23** | 64 | 2.0 | 60 | **CL063** | | **B5** |
| | **23** | 73 | 2.6 | 60 | | **CLP071/063** | **B14** |
| | **19** | 88 | 2.0 | 75 | | **CLP071/063** | **B14** |
| | **18** | 78 | 1.5 | 80 | **CL063** | | **B5** |
| | **16** | 96 | 2.4 | 90 | | **CLP071/063** | **B14** |
| | **14** | 89 | 1.3 | 100 | **CL063** | | **B5** |
| | **12** | 120 | 1.7 | 120 | | **CLP071/063** | **B14** |
| | **9.3** | 143 | 1.3 | 150 | | **CLP071/063** | **B14** |
| | **7.8** | 159 | 1.1 | 180 | | **CLP071/063** | **B14** |
| | | | | | | | |
| | **18** | 82 | 1.9 | 80 | **CL070** | | **B5** |
| | **16** | 99 | 3.1 | 90 | | **CLP071/070** | **B14** |
| | **14** | 90 | 1.7 | 100 | **CL070** | | **B5** |
| | **12** | 122 | 2.2 | 120 | | **CLP071/070** | **B14** |
| | **9.3** | 143 | 1.8 | 150 | | **CLP071/070** | **B14** |
| | **7.8** | 159 | 1.4 | 180 | | **CLP071/070** | **B14** |
| | **5.8** | 189 | 1.1 | 240 | | **CLP071/070** | **B14** |
| | **4.7** | 211 | 1.0 | 300 | | **CLP071/070** | **B14** |

### 0.37 - IEC 63

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT6344 | **280** | 11 | 1.7 | 5 | **CL030** | | **B14** |
| (1400 min$^{-1}$) | **187** | 16 | 1.2 | 7.5 | **CL030** | | **B14** |
| | **140** | 21 | 1.0 | 10 | **CL030** | | **B14** |
| | | | | | | | |
| | **280** | 11 | 3.7 | 5 | **CL040** | | **B14** |
| | **187** | 16 | 2.7 | 7.5 | **CL040** | | **B14** |
| | **140** | 21 | 2.1 | 10 | **CL040** | | **B14** |
| | **93** | 31 | 1.5 | 15 | **CL040** | | **B14** |
| | **70** | 39 | 1.0 | 20 | **CL040** | | **B14** |
| | **56** | 47 | 0.8 | 25 | **CL040** | | **B14** |
| | **47** | 53 | 0.9 | 30 | **CL040** | | **B14** |

| Motori *Motors* | SMT | SMM | TS | |
|---|---|---|---|---|
| | 6334<br>6344 | 6334 | 6334 | 7114 |
| IEC | 63 B14 | 63 B14 | 63 B5 / B14 | 71 B5 / B14 |

## Dati tecnici

*Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|

### 0.37 - IEC 63

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT6344 | **93** | 31 | 2.6 | 15 | **CL050** | | **B14** |
| (1400 min$^{-1}$) | **70** | 40 | 1.8 | 20 | **CL050** | | **B14** |
| | **56** | 48 | 1.5 | 25 | **CL050** | | **B14** |
| SMT SMM | **47** | 55 | 1.6 | 30 | **CL050** | | **B14** |
| | **35** | 68 | 1.1 | 40 | **CL050** | | **B14** |
| | **28** | 80 | 0.9 | 50 | **CL050** | | **B14** |
| | **23** | 91 | 0.8 | 60 | **CL050** | | **B14** |
| | **23** | 105 | 1.0 | 60 | | **CLP063/050** | **B14** |
| | **16** | 145 | 0.9 | 90 | | **CLP063/050** | **B14** |
| | | | | | | | |
| | **23** | 108 | 1.7 | 60 | | **CLP063/063** | **B14** |
| | **19** | 130 | 1.3 | 75 | | **CLP063/063** | **B14** |
| | **16** | 142 | 1.6 | 90 | | **CLP063/063** | **B14** |
| | **12** | 178 | 1.2 | 120 | | **CLP063/063** | **B14** |
| | **9.3** | 211 | 0.9 | 150 | | **CLP063/063** | **B14** |

### 0.37 - IEC 71

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT7124 | **280** | 11 | 3.7 | 5 | **CL040** | | **B5/B14** |
| SMM7124 | **187** | 16 | 2.7 | 7.5 | **CL040** | | **B5/B14** |
| (1400 min$^{-1}$) | **140** | 21 | 2.1 | 10 | **CL040** | | **B5/B14** |
| | **93** | 31 | 1.5 | 15 | **CL040** | | **B5/B14** |
| SMT SMM | **70** | 39 | 1.0 | 20 | **CL040** | | **B5/B14** |
| | **56** | 47 | 0.8 | 25 | **CL040** | | **B5/B14** |
| TS7124-B14 | **47** | 53 | 0.9 | 30 | **CL040** | | **B5/B14** |
| **TS7124-B5** | | | | | | | |
| (1400 min$^{-1}$) | **93** | 31 | 2.6 | 15 | **CL050** | | **B5/B14** |
| | **70** | 40 | 1.8 | 20 | **CL050** | | **B5/B14** |
| | **56** | 48 | 1.5 | 25 | **CL050** | | **B5/B14** |
| | **47** | 55 | 1.6 | 30 | **CL050** | | **B5/B14** |
| | **35** | 68 | 1.1 | 40 | **CL050** | | **B5/B14** |
| | **28** | 80 | 0.9 | 50 | **CL050** | | **B5/B14** |
| | **23** | 91 | 0.8 | 60 | **CL050** | | **B5/B14** |
| | **23** | 105 | 1.0 | 60 | | **CLP071/050** | **B14** |
| | **16** | 145 | 0.9 | 90 | | **CLP071/050** | **B14** |
| | | | | | | | |
| | **35** | 71 | 2.0 | 40 | **CL063** | | **B5/B14** |
| | **28** | 83 | 1.6 | 50 | **CL063** | | **B5/B14** |
| | **23** | 95 | 1.3 | 60 | **CL063** | | **B5/B14** |
| | **23** | 108 | 1.7 | 60 | | **CLP071/063** | **B14** |
| | **19** | 130 | 1.3 | 75 | | **CLP071/063** | **B14** |
| | **18** | 115 | 1.0 | 80 | **CL063** | | **B5/B14** |
| | **16** | 142 | 1.6 | 90 | | **CLP071/063** | **B14** |
| | **14** | 131 | 0.9 | 100 | **CL063** | | **B5/B14** |
| | **12** | 178 | 1.2 | 120 | | **CLP071/063** | **B14** |
| | **9.3** | 211 | 0.9 | 150 | | **CLP071/063** | **B14** |

### 0.37 - IEC 71

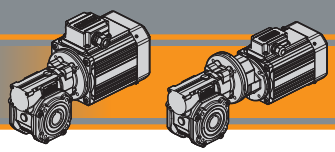
| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT7124 | **28** | 86 | 2.2 | 50 | **CL070** | | **B5** |
| SMM7124 | **23** | 98 | 1.8 | 60 | **CL070** | | **B5** |
| (1400 min$^{-1}$) | **23** | 110 | 2.6 | 60 | | **CLP071/070** | **B14** |
| | **19** | 132 | 1.9 | 75 | | **CLP071/070** | **B14** |
| SMT SMM | **18** | 121 | 1.3 | 80 | **CL070** | | **B5** |
| | **16** | 147 | 2.3 | 90 | | **CLP071/070** | **B14** |
| TS7124-B14 | **14** | 134 | 1.2 | 100 | **CL070** | | **B5** |
| **TS7124-B5** | **12** | 181 | 1.7 | 120 | | **CLP071/070** | **B14** |
| (1400 min$^{-1}$) | **9.3** | 211 | 1.3 | 150 | | **CLP071/070** | **B14** |
| | **7.8** | 236 | 1.1 | 180 | | **CLP071/070** | **B14** |

### 0.55 - IEC 71

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| SMT7134 | **280** | 17 | 2.5 | 5 | **CL040** | | **B5/B14** |
| SMM7134 | **187** | 24 | 1.8 | 7.5 | **CL040** | | **B5/B14** |
| (1400 min$^{-1}$) | **140** | 32 | 1.4 | 10 | **CL040** | | **B5/B14** |
| | **93** | 46 | 1.0 | 15 | **CL040** | | **B5/B14** |
| SMT SMM | | | | | | | |
| | **140** | 32 | 2.6 | 10 | **CL050** | | **B5/B14** |
| TS7134-B14 | **93** | 46 | 1.8 | 15 | **CL050** | | **B5/B14** |
| **TS7134-B5** | **70** | 59 | 1.2 | 20 | **CL050** | | **B5/B14** |
| (1400 min$^{-1}$) | **56** | 71 | 1.0 | 25 | **CL050** | | **B5/B14** |
| | **47** | 81 | 1.1 | 30 | **CL050** | | **B5/B14** |
| | **35** | 101 | 0.8 | 40 | **CL050** | | **B5/B14** |
| | | | | | | | |
| | **70** | 61 | 2.2 | 20 | **CL063** | | **B5/B14** |
| | **56** | 73 | 1.8 | 25 | **CL063** | | **B5/B14** |
| | **47** | 84 | 2.0 | 30 | **CL063** | | **B5/B14** |
| | **35** | 105 | 1.4 | 40 | **CL063** | | **B5/B14** |
| | **28** | 124 | 1.1 | 50 | **CL063** | | **B5/B14** |
| | **23** | 142 | 0.9 | 60 | **CL063** | | **B5/B14** |
| | **23** | 161 | 1.2 | 60 | | **CLP071/063** | **B14** |
| | **19** | 193 | 0.9 | 75 | | **CLP071/063** | **B14** |
| | **16** | 212 | 1.1 | 90 | | **CLP071/063** | **B14** |
| | | | | | | | |
| | **35** | 108 | 1.9 | 40 | **CL070** | | **B5** |
| | **28** | 128 | 1.5 | 50 | **CL070** | | **B5** |
| | **23** | 146 | 1.2 | 60 | **CL070** | | **B5** |
| | **23** | 163 | 1.7 | 60 | | **CLP071/070** | **B14** |
| | **19** | 196 | 1.3 | 75 | | **CLP071/070** | **B14** |
| | **18** | 180 | 0.9 | 80 | **CL070** | | **B5** |
| | **16** | 218 | 1.6 | 90 | | **CLP071/070** | **B14** |
| | **12** | 269 | 1.1 | 120 | | **CLP071/070** | **B14** |
| | **9.3** | 314 | 0.9 | 150 | | **CLP071/070** | **B14** |

IEC

| Motori *Motors* | SMT | | SMM | TS |
|---|---|---|---|---|
| | 6344 | 7124<br>7134 | 7124<br>7134 | 7124<br>7134 |
| IEC | 63 B14 | 71 B14 | 71 B14 | 71 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.55 - IEC 80

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| TS8014 (1400 min$^{-1}$) | **280** | 17 | 4.5 | 5 | **CL050** | | **B5/B14** |
| | **187** | 24 | 3.2 | 7.5 | **CL050** | | **B5/B14** |
| | **140** | 32 | 2.6 | 10 | **CL050** | | **B5/B14** |
| | **93** | 46 | 1.8 | 15 | **CL050** | | **B5/B14** |
| | **70** | 59 | 1.2 | 20 | **CL050** | | **B5/B14** |
| | **56** | 71 | 1.0 | 25 | **CL050** | | **B5/B14** |
| | **47** | 81 | 1.1 | 30 | **CL050** | | **B5/B14** |
| | **70** | 61 | 2.2 | 20 | **CL063** | | **B5/B14** |
| | **56** | 73 | 1.8 | 25 | **CL063** | | **B5/B14** |
| | **47** | 84 | 2.0 | 30 | **CL063** | | **B5/B14** |
| | **35** | 105 | 1.4 | 40 | **CL063** | | **B5/B14** |
| | **28** | 124 | 1.1 | 50 | **CL063** | | **B5/B14** |
| | **23** | 142 | 0.9 | 60 | **CL063** | | **B5/B14** |
| | **23** | 161 | 1.2 | 60 | | **CLP080/063** | **B14** |
| | **19** | 193 | 0.9 | 75 | | **CLP080/063** | **B14** |
| | **16** | 212 | 1.1 | 90 | | **CLP080/063** | **B14** |
| | **35** | 108 | 1.9 | 40 | **CL070** | | **B5/B14** |
| | **28** | 128 | 1.5 | 50 | **CL070** | | **B5/B14** |
| | **23** | 146 | 1.2 | 60 | **CL070** | | **B5/B14** |
| | **23** | 163 | 1.7 | 60 | | **CLP080/070** | **B14** |
| | **19** | 196 | 1.3 | 75 | | **CLP080/070** | **B14** |
| | **18** | 180 | 0.9 | 80 | **CL070** | | **B5/B14** |
| | **16** | 218 | 1.6 | 90 | | **CLP080/070** | **B14** |
| | **12** | 269 | 1.1 | 120 | | **CLP080/070** | **B14** |

### 0.75 - IEC 71

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT7144 (1400 min$^{-1}$) SMT SMM | **280** | 23 | 1.8 | 5 | **CL040** | | **B5/B14** |
| | **187** | 33 | 1.3 | 7.5 | **CL040** | | **B5/B14** |
| | **140** | 43 | 1.0 | 10 | **CL040** | | **B5/B14** |
| TS7144-B14 **TS7144-B5** (1400 min$^{-1}$) | **280** | 23 | 3.3 | 5 | **CL050** | | **B5/B14** |
| | **187** | 33 | 2.4 | 7.5 | **CL050** | | **B5/B14** |
| | **140** | 43 | 1.9 | 10 | **CL050** | | **B5/B14** |
| | **93** | 63 | 1.3 | 15 | **CL050** | | **B5/B14** |
| | **70** | 81 | 0.9 | 20 | **CL050** | | **B5/B14** |
| | **47** | 111 | 0.8 | 30 | **CL050** | | **B5/B14** |
| | **93** | 64 | 2.4 | 15 | **CL063** | | **B5/B14** |
| | **70** | 83 | 1.6 | 20 | **CL063** | | **B5/B14** |
| | **56** | 100 | 1.4 | 25 | **CL063** | | **B5/B14** |
| | **47** | 115 | 1.4 | 30 | **CL063** | | **B5/B14** |
| | **35** | 143 | 1.0 | 40 | **CL063** | | **B5/B14** |
| | **28** | 169 | 0.8 | 50 | **CL063** | | **B5/B14** |
| | **23** | 220 | 0.9 | 60 | | **CLP071/063** | **B14** |
| | **70** | 85 | 2.4 | 20 | **CL070** | | **B5** |
| | **56** | 102 | 1.8 | 25 | **CL070** | | **B5** |
| | **47** | 118 | 2.1 | 30 | **CL070** | | **B5** |
| | **35** | 149 | 1.4 | 40 | **CL070** | | **B5** |
| | **28** | 177 | 1.1 | 50 | **CL070** | | **B5** |
| | **23** | 203 | 0.9 | 60 | **CL070** | | **B5** |
| | **23** | 223 | 1.3 | 60 | | **CLP071/070** | **B14** |
| | **19** | 267 | 0.9 | 75 | | **CLP071/070** | **B14** |
| | **16** | 298 | 1.1 | 90 | | **CLP071/070** | **B14** |

### 0.75 - IEC 80

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT8024 IE3 SMM8024 (1400 min$^{-1}$) SMT SMM | **280** | 23 | 3.3 | 5 | **CL050** | | **B5/B14** |
| | **187** | 33 | 2.4 | 7.5 | **CL050** | | **B5/B14** |
| | **140** | 43 | 1.9 | 10 | **CL050** | | **B5/B14** |
| | **93** | 63 | 1.3 | 15 | **CL050** | | **B5/B14** |
| | **70** | 81 | 0.9 | 20 | **CL050** | | **B5/B14** |
| | **47** | 111 | 0.8 | 30 | **CL050** | | **B5/B14** |
| TS8024-B14 **TS8024-B5** (1400 min$^{-1}$) | **93** | 64 | 2.4 | 15 | **CL063** | | **B5/B14** |
| | **70** | 83 | 1.6 | 20 | **CL063** | | **B5/B14** |
| | **56** | 100 | 1.4 | 25 | **CL063** | | **B5/B14** |
| | **47** | 115 | 1.4 | 30 | **CL063** | | **B5/B14** |
| | **35** | 143 | 1.0 | 40 | **CL063** | | **B5/B14** |
| | **28** | 169 | 0.8 | 50 | **CL063** | | **B5/B14** |
| | **23** | 220 | 0.9 | 60 | | **CLP080/063** | **B14** |
| | **70** | 85 | 2.4 | 20 | **CL070** | | **B5/B14** |
| | **56** | 102 | 1.8 | 25 | **CL070** | | **B5/B14** |
| | **47** | 118 | 2.1 | 30 | **CL070** | | **B5/B14** |
| | **35** | 149 | 1.4 | 40 | **CL070** | | **B5/B14** |
| | **28** | 177 | 1.1 | 50 | **CL070** | | **B5/B14** |
| | **23** | 203 | 0.9 | 60 | **CL070** | | **B5/B14** |
| | **23** | 223 | 1.3 | 60 | | **CLP080/070** | **B14** |
| | **19** | 267 | 0.9 | 75 | | **CLP080/070** | **B14** |
| | **16** | 298 | 1.1 | 90 | | **CLP080/070** | **B14** |

### 1.1 - IEC 80

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| SMT8034 IE3 (1400 min$^{-1}$) SMT SMM | **280** | 33 | 2.2 | 5 | **CL050** | | **B5/B14** |
| | **187** | 49 | 1.6 | 7.5 | **CL050** | | **B5/B14** |
| | **140** | 64 | 1.3 | 10 | **CL050** | | **B5/B14** |
| | **93** | 92 | 0.9 | 15 | **CL050** | | **B5/B14** |
| TS8034-B14 **TS8034-B5** (1400 min$^{-1}$) | **280** | 34 | 4.0 | 5 | **CL063** | | **B5/B14** |
| | **187** | 50 | 2.9 | 7.5 | **CL063** | | **B5/B14** |
| | **140** | 65 | 2.3 | 10 | **CL063** | | **B5/B14** |
| | **93** | 95 | 1.6 | 15 | **CL063** | | **B5/B14** |
| | **70** | 122 | 1.1 | 20 | **CL063** | | **B5/B14** |
| | **56** | 146 | 0.9 | 25 | **CL063** | | **B5/B14** |
| | **47** | 169 | 1.0 | 30 | **CL063** | | **B5/B14** |
| | **93** | 95 | 2.3 | 15 | **CL070** | | **B5/B14** |
| | **70** | 125 | 1.6 | 20 | **CL070** | | **B5/B14** |
| | **56** | 150 | 1.2 | 25 | **CL070** | | **B5/B14** |
| | **47** | 173 | 1.4 | 30 | **CL070** | | **B5/B14** |
| | **35** | 219 | 1.0 | 40 | **CL070** | | **B5/B14** |
| | **23** | 326 | 0.9 | 60 | | **CLP080/070** | **B14** |

| IEC | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| Motori *Motors* | 7144 | 8024 8034 | 7144 | 8024 | 7144 | 8014 8024 8034 |
| IEC | 71 B14 | 80 B14 | 71 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 |

## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | | IEC |
|---|---|---|---|---|---|---|---|
| **1.1 - IEC 90** | | | | | | | |
| TS90S4 (1400 min$^{-1}$) SMT SMM | **280** | 34 | 4.0 | 5 | **CL063** | | **B5/B14** |
| | **187** | 50 | 2.9 | 7.5 | **CL063** | | **B5/B14** |
| | **140** | 65 | 2.3 | 10 | **CL063** | | **B5/B14** |
| | **93** | 95 | 1.6 | 15 | **CL063** | | **B5/B14** |
| | **70** | 122 | 1.1 | 20 | **CL063** | | **B5/B14** |
| | **56** | 146 | 0.9 | 25 | **CL063** | | **B5/B14** |
| | **47** | 169 | 1.0 | 30 | **CL063** | | **B5/B14** |
| | **93** | 95 | 2.3 | 15 | **CL070** | | **B5/B14** |
| | **70** | 125 | 1.6 | 20 | **CL070** | | **B5/B14** |
| | **56** | 150 | 1.2 | 25 | **CL070** | | **B5/B14** |
| | **47** | 173 | 1.4 | 30 | **CL070** | | **B5/B14** |
| | **35** | 219 | 1.0 | 40 | **CL070** | | **B5/B14** |
| | **23** | 326 | 0.9 | 60 | | **CLP090/070** | **B5/B14** |
| **1.5 - IEC 90** | | | | | | | |
| SMT9024 IE3 (1400 min$^{-1}$) SMT SMM | **280** | 46 | 2.9 | 5 | **CL063** | | **B5/B14** |
| | **187** | 68 | 2.1 | 7.5 | **CL063** | | **B5/B14** |
| | **140** | 88 | 1.7 | 10 | **CL063** | | **B5/B14** |
| | **93** | 129 | 1.2 | 15 | **CL063** | | **B5/B14** |
| | **70** | 166 | 0.8 | 20 | **CL063** | | **B5/B14** |
| TS90L14-B14 **TS90L14-B5** (1400 min$^{-1}$) | **187** | 68 | 2.9 | 7.5 | **CL070** | | **B5/B14** |
| | **140** | 89 | 2.4 | 10 | **CL070** | | **B5/B14** |
| | **93** | 129 | 1.7 | 15 | **CL070** | | **B5/B14** |
| | **70** | 170 | 1.2 | 20 | **CL070** | | **B5/B14** |
| | **56** | 205 | 0.9 | 25 | **CL070** | | **B5/B14** |
| | **47** | 236 | 1.0 | 30 | **CL070** | | **B5/B14** |
| **2.2 - IEC 90** | | | | | | | |
| SMT9034 IE3 (1400 min$^{-1}$) SMT SMM | **280** | 68 | 2.0 | 5 | **CL063** | | **B5/B14** |
| | **187** | 99 | 1.5 | 7.5 | **CL063** | | **B5/B14** |
| | **140** | 129 | 1.1 | 10 | **CL063** | | **B5/B14** |
| | **93** | 189 | 0.8 | 15 | **CL063** | | **B5/B14** |
| TS90L24-B14 **TS90L24-B5** (1400 min$^{-1}$) | **187** | 100 | 2.0 | 7.5 | **CL070** | | **B5/B14** |
| | **140** | 131 | 1.7 | 10 | **CL070** | | **B5/B14** |
| | **93** | 189 | 1.2 | 15 | **CL070** | | **B5/B14** |
| | **70** | 249 | 0.8 | 20 | **CL070** | | **B5/B14** |
| **2.2 - IEC 100** | | | | | | | |
| TS100L14 (1400 min$^{-1}$) | **187** | 100 | 2.0 | 7.5 | **CL070** | | **B5/B14** |
| | **140** | 131 | 1.7 | 10 | **CL070** | | **B5/B14** |
| | **93** | 189 | 1.2 | 15 | **CL070** | | **B5/B14** |
| | **70** | 249 | 0.8 | 20 | **CL070** | | **B5/B14** |
| **3.0 - IEC 100** | | | | | | | |
| 100LB4 (1400 min$^{-1}$) | **187** | 137 | 1.5 | 7.5 | **CL070** | | **B5/B14** |
| | **140** | 178 | 1.2 | 10 | **CL070** | | **B5/B14** |
| | **93** | 258 | 0.9 | 15 | **CL070** | | **B5/B14** |
| **4.0 - IEC 112** | | | | | | | |
| 112M4 (1400 min$^{-1}$) | **187** | 182 | 1.1 | 7.5 | **CL070** | | **B5/B14** |
| | **140** | 237 | 0.9 | 10 | **CL070** | | **B5/B14** |

IEC

| Motori *Motors* | SMT | TS | | IEC | |
|---|---|---|---|---|---|
| | 9024 IE3 | 90S4 90L14 9034 | 100L14 | 100LB4 | 112M4 |
| IEC | 90 B14 | 90 B5 / B14 | 100 B14 / B5 | 100 B14 / B5 | 112 B14 / B5 |

## Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato: — *Please see the dedicated paragraph:*

SMT SMM → N3 pag.

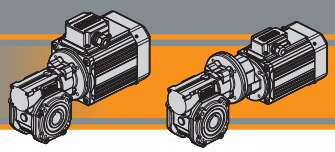
TS → R3 pag.

## Motori applicabili — *IEC Motor adapters*

| | SMT | | | | | | SMM | | | | | TS | | | | | | IEC | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5654 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 | 100L14 | 100LB4 | 112M4 |
| **CL026** | ■ | ■ | | | | | ■ | ■ | | | | ■ | | | | | | | |
| **CL030** | ■ | ■ | ■ | | | | ■ | ■ | ■ | | | ■ | ■ | | | | | | |
| **CL040** | ■ | ■ | ■ | ■ | | | ■ | ■ | ■ | ■ | | ■ | ■ | ■ | | | | | |
| **CL050** | | | ■ | ■ | ■ | | | | ■ | ■ | ■ | | ■ | ■ | ■ | | | | |
| **CL063** | | | | ■ | ■ | ■ | | | | ■ | ■ | | ■ | ■ | ■ | ■ | | | |
| **CL070** | | | | | ■ | ■ | | | | | ■ | | | ■ | ■ | ■ | ■ | ■ | ■ |
| **CLP056/...** | ■ | ■ | | | | | ■ | ■ | | | | ■ | | | | | | | |
| **CLP063/...** | | | ■ | | | | | | ■ | | | | ■ | | | | | | |
| **CLP071/...** | | | | ■ | | | | | | ■ | | | | ■ | | | | | |
| **CLP080/...** | | | | | ■ | | | | | | ■ | | | | ■ | | | | |
| **CLP090/...** | | | | | | ■ | | | | | | | | | | ■ | | | |

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

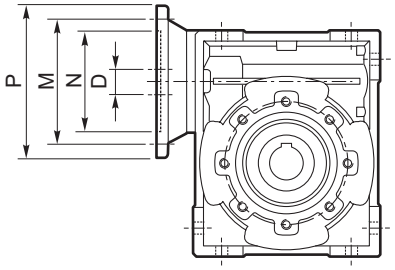
***N.B.*** *Grey areas indicate motor inputs available on each size of unit.*



## Motori applicabili

## *IEC Motor adapters*

| | IEC | N | M | P | D | i | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 5 | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 | 80 | 100 |
| **CL026** | **56B14** | 50 | 65 | 80 | 9 | | | | | | | | | | | | |
| **CL030** | **63B5** | 95 | 115 | 140 | 11 | | | | | | | | | | | | |
| | **63B14** | 60 | 75 | 90 | | | | | | | | | | | | | |
| | **56B5** | 80 | 100 | 120 | 9 | **B** | **B** | **B** | **B** | **B** | **B** | **B** | **B** | **B** | | | |
| | **56B14** | 50 | 65 | 80 | | | | | | | | | | | | | |
| **CL040** | **71B5** | 110 | 130 | 160 | 14 | | | | | | | | | | | | |
| | **71B14** | 70 | 85 | 105 | | | | | | | | | | | | | |
| | **63B5** | 95 | 115 | 140 | 11 | **B** | **B** | **B** | **B** | **B** | **B** | **B** | **B** | | | | |
| | **63B14** | 60 | 75 | 90 | | | | | | | | | | | | | |
| | **56B5** | 80 | 100 | 120 | 9 | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **B** | **B** | **B** | **B** |
| | **56B14** | 50 | 65 | 80 | | | | | | | | | | | | | |
| **CL050** | **80B5** | 130 | 165 | 200 | 19 | | | | | | | | | | | | |
| | **80B14** | 80 | 100 | 120 | | | | | | | | | | | | | |
| | **71B5** | 110 | 130 | 160 | 14 | **B** | **B** | **B** | **B** | **B** | **B** | **B** | | | | | |
| | **71B14** | 70 | 85 | 105 | | | | | | | | | | | | | |
| | **63B5** | 95 | 115 | 140 | 11 | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **B** | **B** | **B** | **B** | |
| | **63B14** | 60 | 75 | 90 | | | | | | | | | | | | | |
| **CL063** | **90B5** | 130 | 165 | 200 | 24 | | | | | | | | | | | | |
| | **90B14** | 95 | 115 | 140 | | | | | | | | | | | | | |
| | **80B5** | 130 | 165 | 200 | 19 | **B** | **B** | **B** | **B** | **B** | **B** | **B** | | | | | |
| | **80B14** | 80 | 100 | 120 | | | | | | | | | | | | | |
| | **71B5** | 110 | 130 | 160 | 14 | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **BS** | **B** | **B** | **B** | | |
| | **71B14** | 70 | 85 | 105 | | | | | | | | | | | | | |
| | **63B5** | 95 | 115 | 140 | 11 | | | | | | | | **BS** | **BS** | **BS** | **B** | **B** |
| **CL070** | **100/112B5** | 180 | 215 | 250 | 28 | | | | | | | | | | | | |
| | **100/112B14** | 110 | 130 | 160 | | | | | | | | | | | | | |
| | **90B5** | 130 | 165 | 200 | 24 | | **B** | **B** | **B** | **B** | | | | | | | |
| | **90B14** | 95 | 115 | 140 | | | | | | | | | | | | | |
| | **80B5** | 130 | 165 | 200 | 19 | | **BS** | **BS** | **BS** | **BS** | **B** | **B** | **B** | | | | |
| | **80B14** | 80 | 100 | 120 | | | | | | | | | | | | | |
| | **71B5** | 110 | 130 | 160 | 14 | | | | | | **BS** | **BS** | **BS** | **B** | **B** | **B** | **B** |




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.*

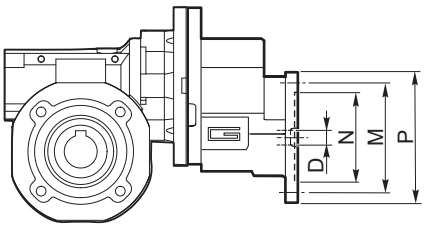
**B/BS = Boccola di riduzione in acciaio**

***B/BS = Metal shaft sleeve***

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

CL/CLP

| 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** | | | | | | **BS** | **B** | **B** | **B** | | | | |
| **080/063** | 80 B14 | 80 | 100 | 120 | 19 | | | | | | | | |
| **080/070** | | | | | | **B** | | | | | | | |
| **090/070** | 90 B14<br>90 B5 | 95<br>130 | 115<br>165 | 140<br>200 | 24 | **B** | | | | | | | |




N.B.

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

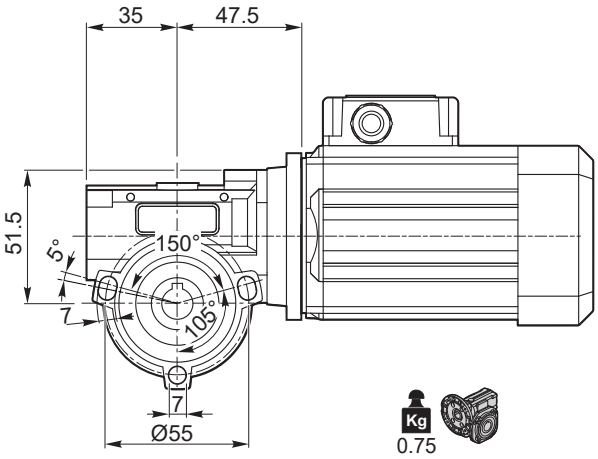
*N.B. Grey areas indicate motor inputs available on each size of unit.*

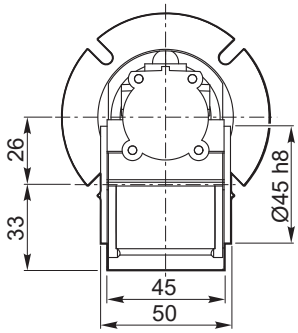
**B/BS = Boccola di riduzione in acciaio**

***B/BS = Metal shaft sleeve***

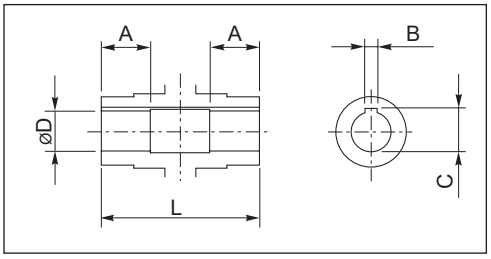
## Dimensioni — *Dimensions*

### CL 026 U



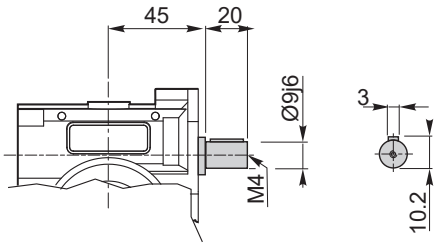

SMT SMM 50 ... 56 → N4 pag.
TS 56 → R4 pag.



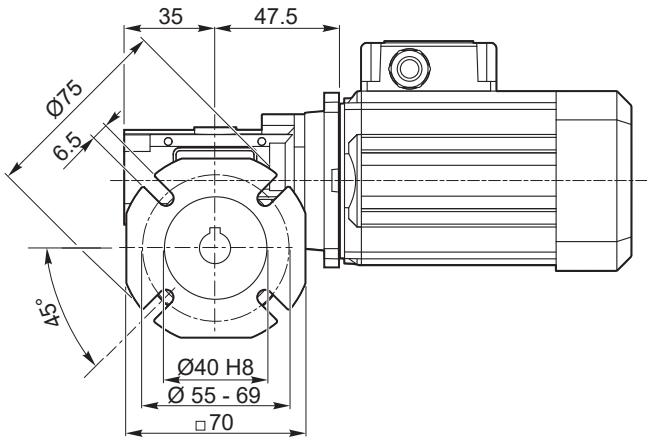

Albero lento cavo / *Hollow output shaft*

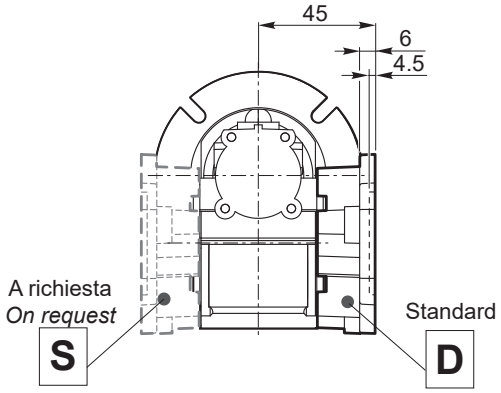
| Grandezza *Size* | ø D H8 | L | A | B | C |
|---|---|---|---|---|---|
| CM 026 (D14) | 14 | 50 | 15 | 5 | 16.2 |
| CM 026 | 12 | 50 | 15 | 4 | 13.8 |
| CM 026 (D11) | 11 | 50 | 15 | 4 | 12.8 |

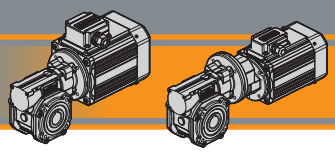
### CLIS 026 ..




### CL 026 F

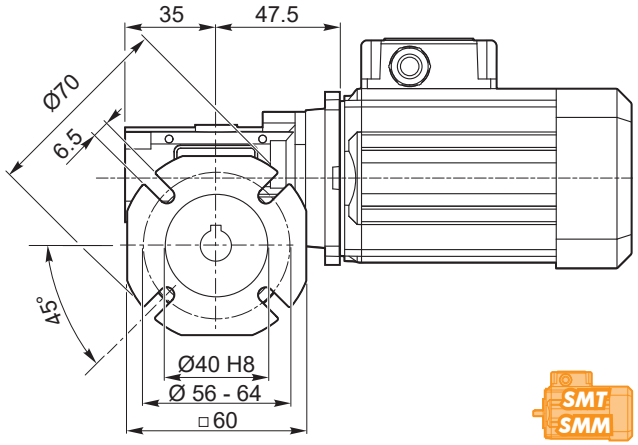


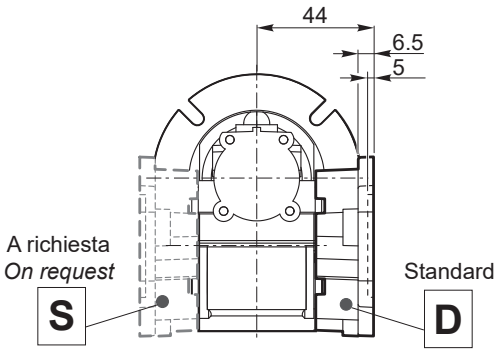







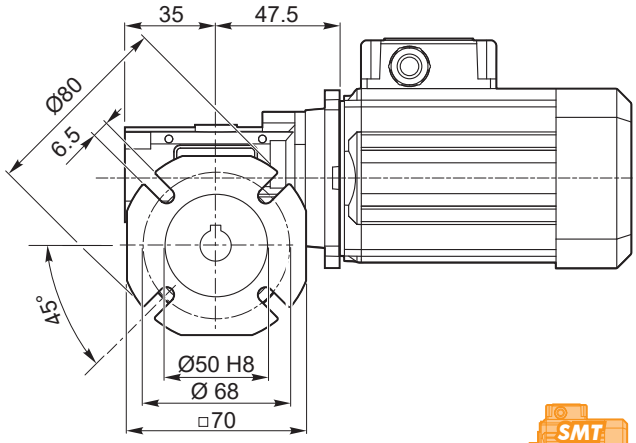
## CL 026 F28

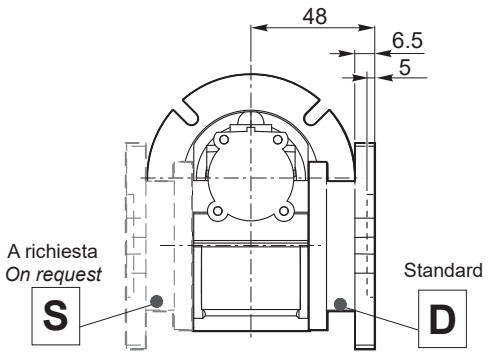



SMT SMM 50 ... 56 → N4 pag.
TS 56 → R4 pag.

## CL 026 F30

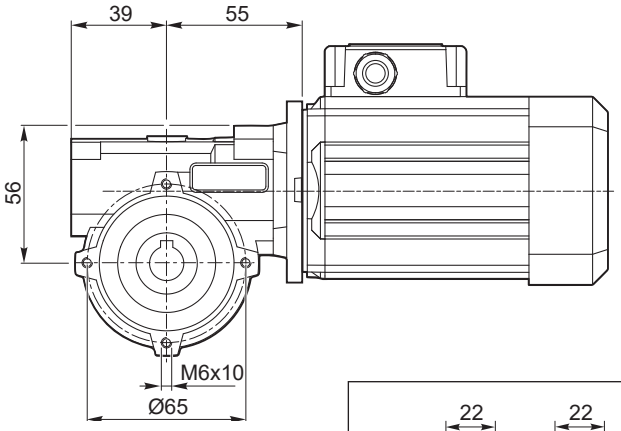


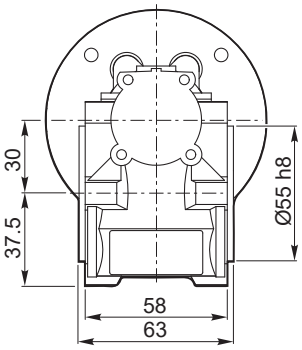




SMT SMM 50 ... 56 → N4 pag.
TS 56 → R4 pag.

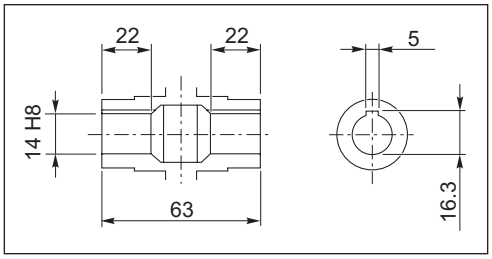
**Dimensioni** *Dimensions*

## CL 030 U




Kg 1.1

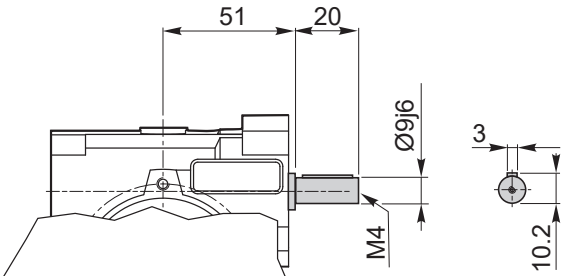



Albero lento cavo / *Hollow output shaft*

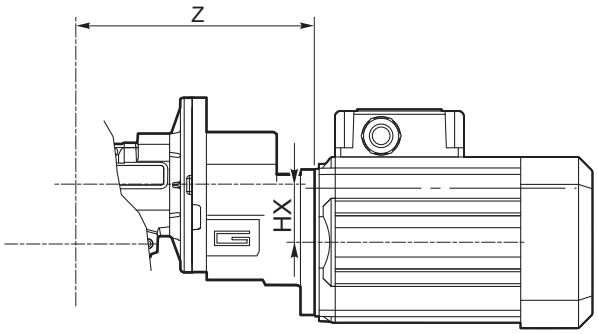
SMT SMM 50 ... 63 → N4 pag.

TS 56 ... 63 → R4 pag.

## CLIS 030 ..



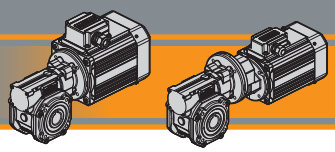

## CLP 050/030...
## CLP 056/030...




| | HX | Z | Kg |
|---|---|---|---|
| 056/030 | 30.5 | 124 | 2.0 |

SMT SMM 50 ... 56 → N4 pag.

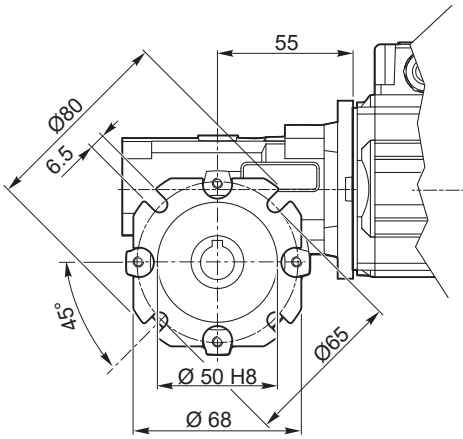
TS 56 → R4 pag.



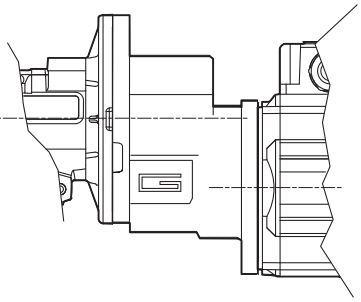
## Dimensioni

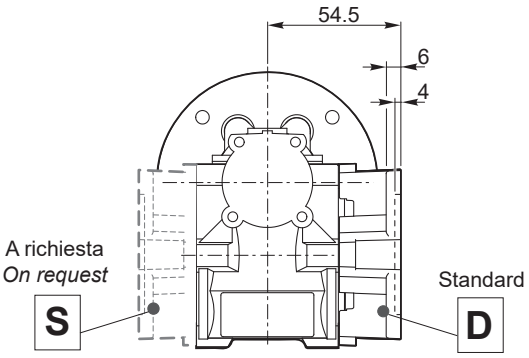
## *Dimensions*

### CL 030 F




### CLP../030 F



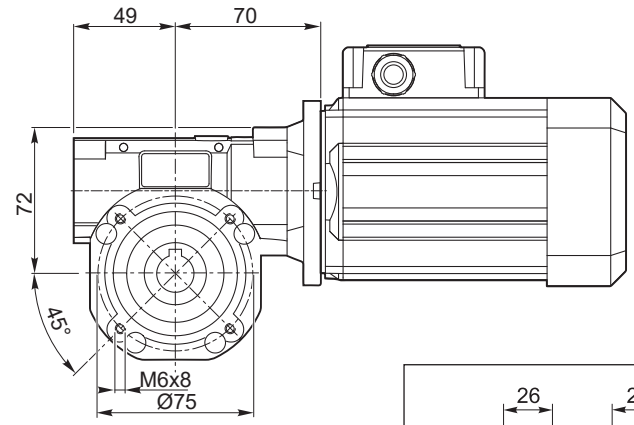



SMT SMM 50 ... 63 → N4 pag.

TS 56 ... 63 → R4 pag.

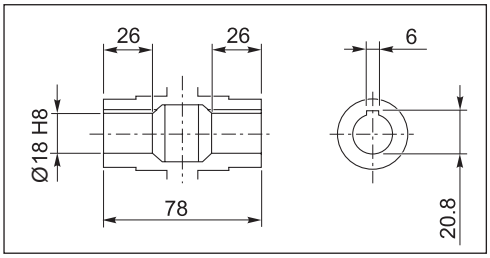
**Dimensioni** *Dimensions*

## CL 040 U

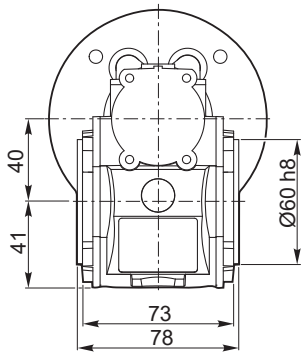






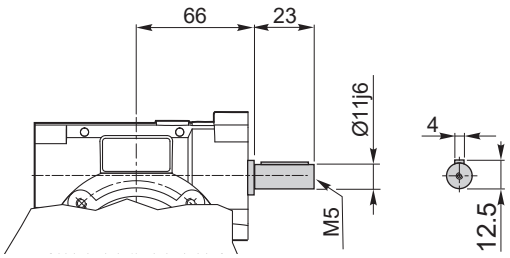



Albero lento cavo / *Hollow output shaft*

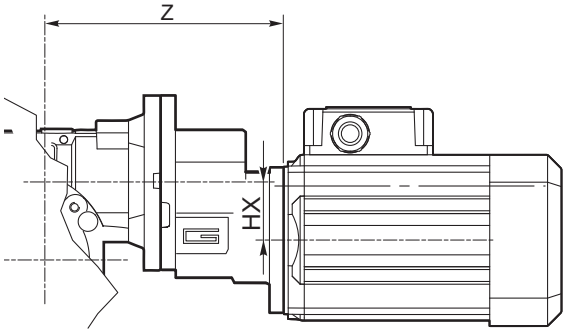



SMT SMM 50 ... 71 → N4 pag.
TS 56 ... 71 → R4 pag.

## CLIS 040 ..

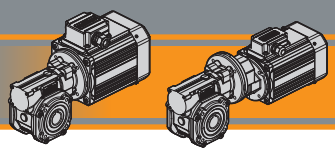



## CLP .../040 ...U



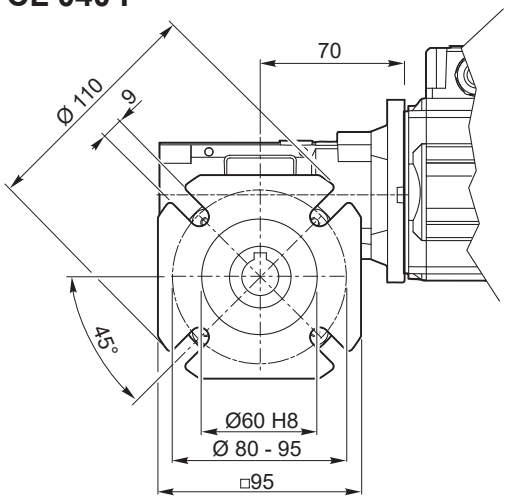

| | HX | Z | Kg |
|---|---|---|---|
| **056/040** | 30.5 | 139 | 3.0 |
| **063/040** | 30.5 | 142 | 3.1 |

SMT SMM 50 ... 63 → N4 pag.
TS 56 ... 63 → R4 pag.

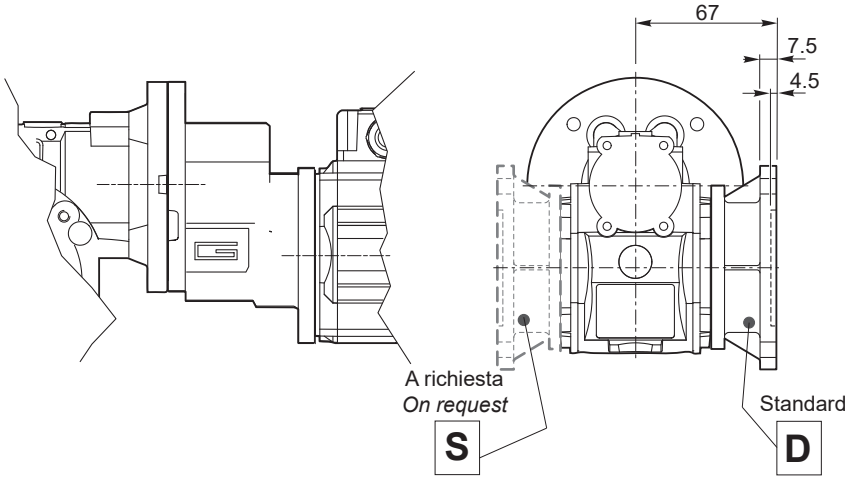


## Dimensioni — *Dimensions*

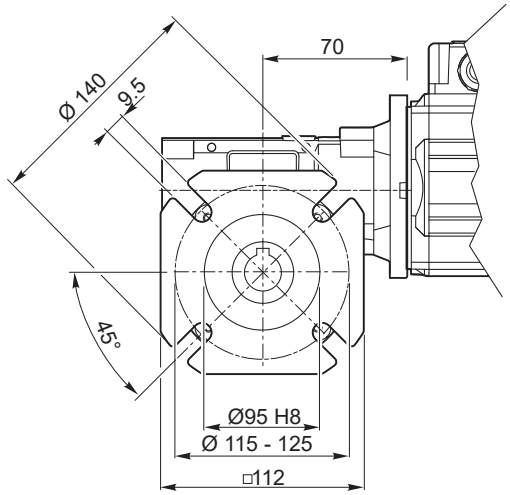
### CL 040 F



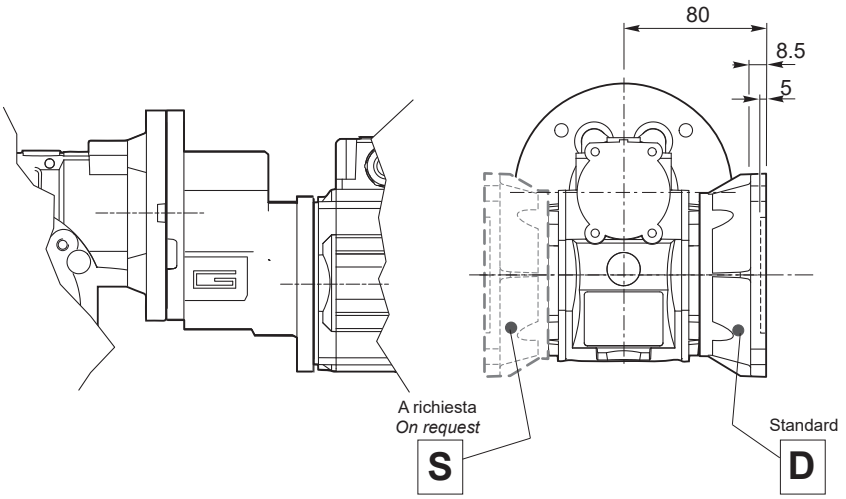

### CLP../040 F



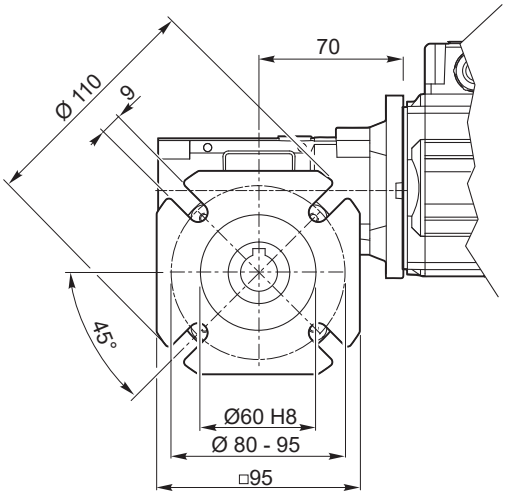

### CL 040 FB



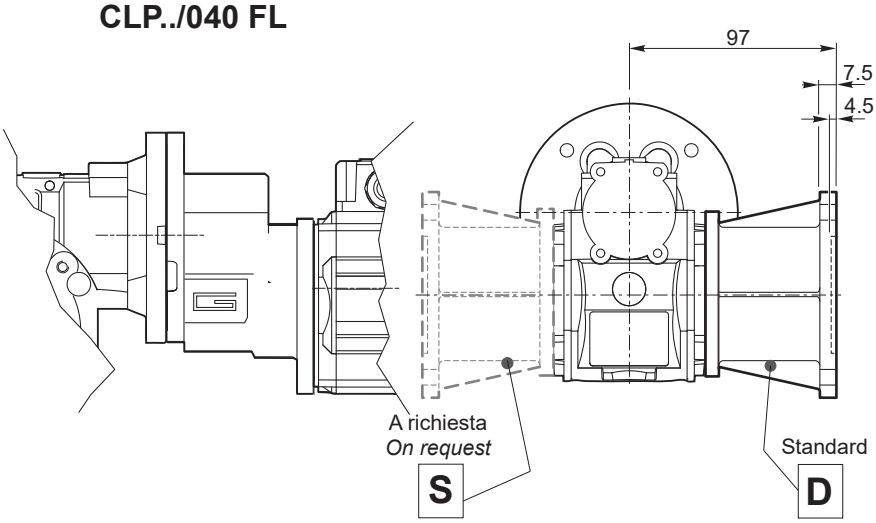

### CLP../040 FB




### CL 040 FL



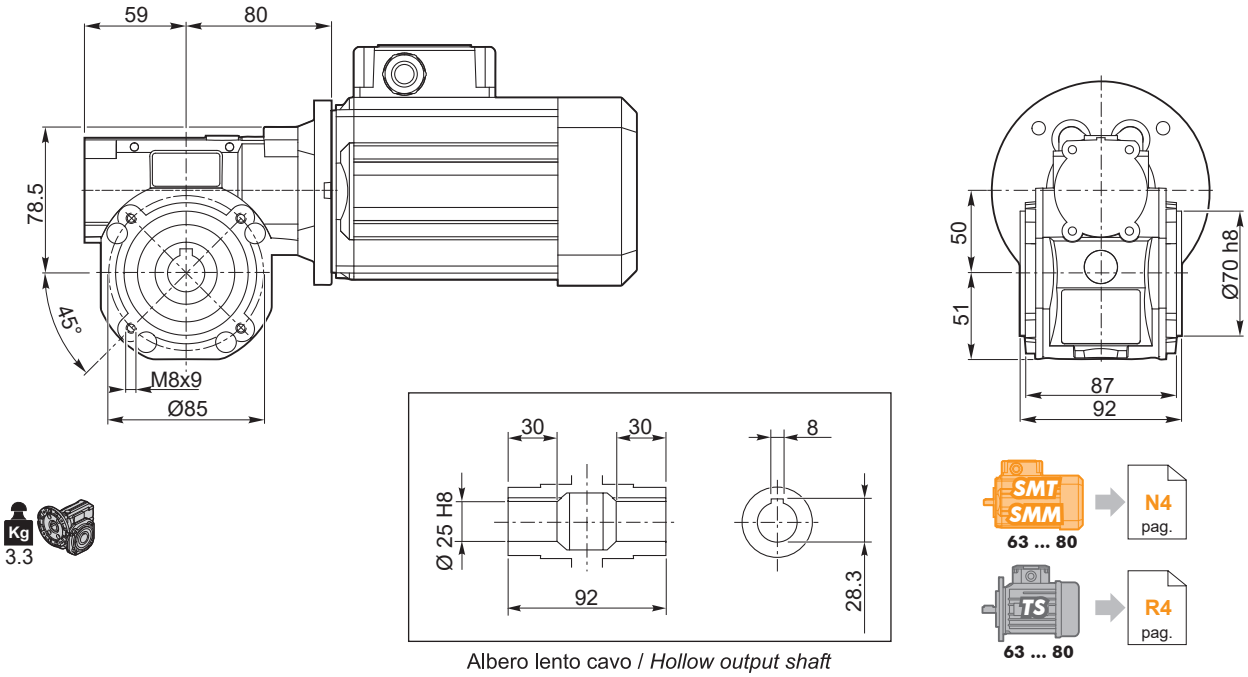

### CLP../040 FL




SMT SMM 50 ... 71 → N4 pag.
TS 56 ... 71 → R4 pag.

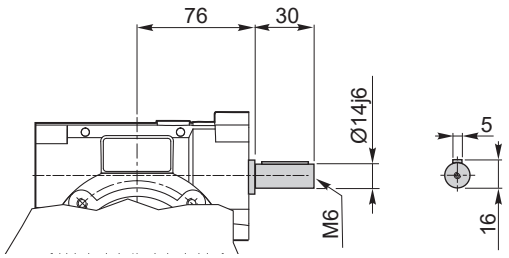
**Dimensioni** *Dimensions*

## CL 050 U

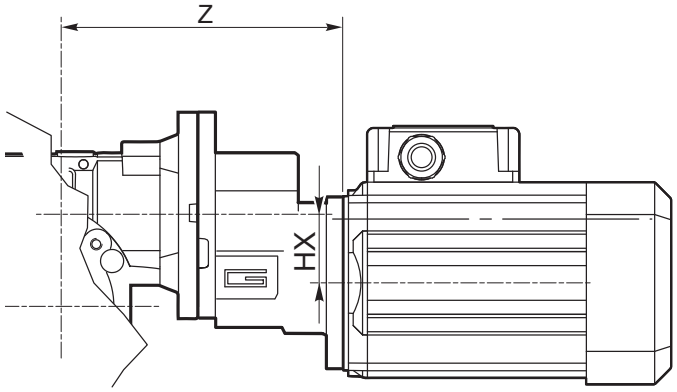



Albero lento cavo / *Hollow output shaft*

## CLIS 050 ..



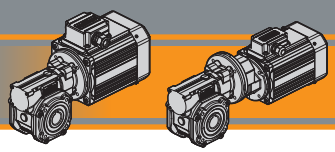

## CLP .../050 ...U




| | HX | Z | Kg |
|---|---|---|---|
| 063/050 | 30.5 | 152 | 4.3 |
| 071/050 | 41 | 169 | 5.3 |

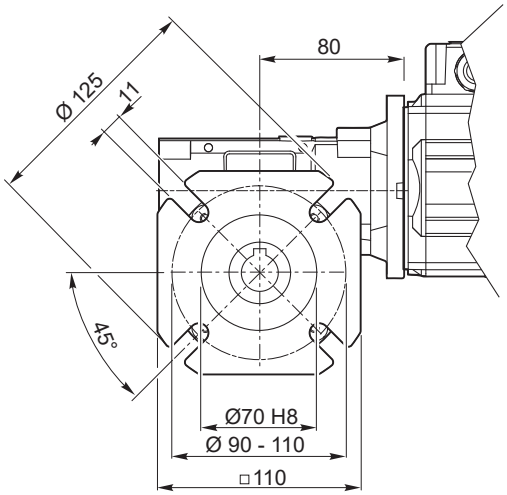
SMT SMM 63 ... 71 → N4 pag.

TS 63 ... 71 → R4 pag.

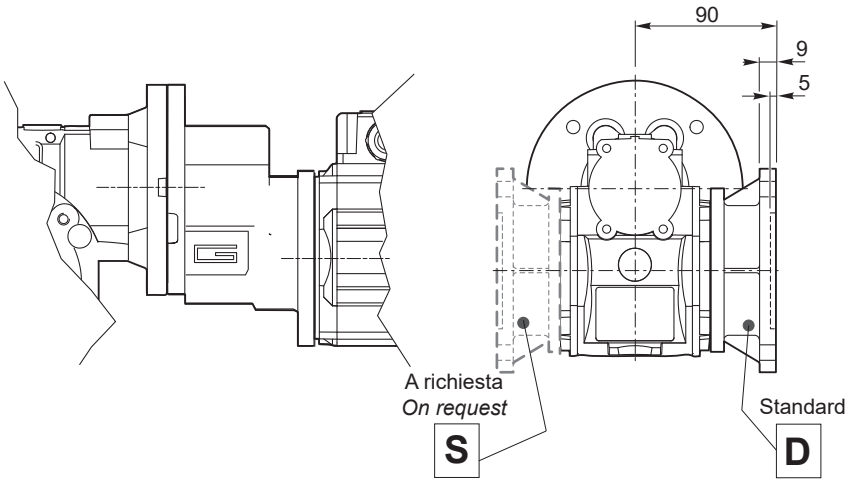


## Dimensioni — *Dimensions*

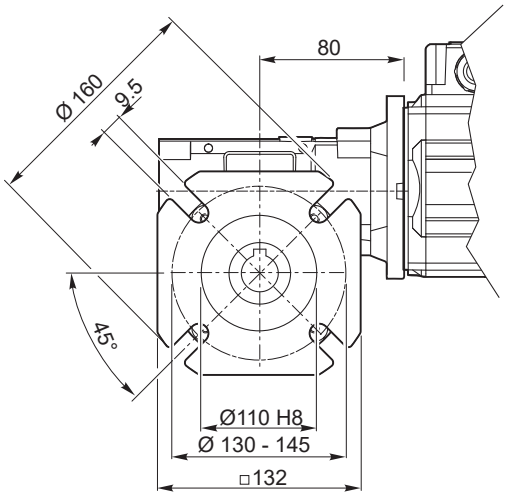
### CL 050 F



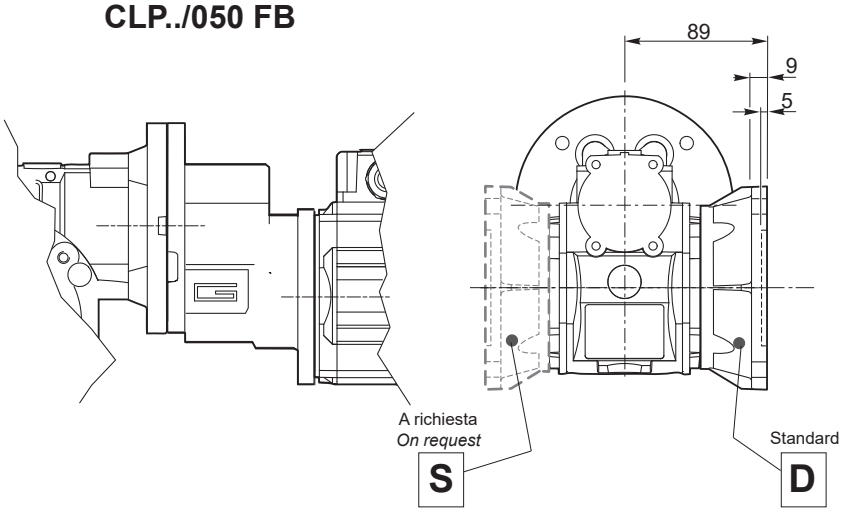

### CLP../050 F



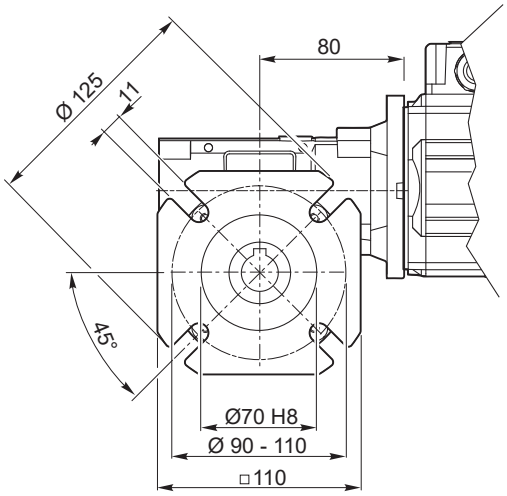

### CL 050 FB



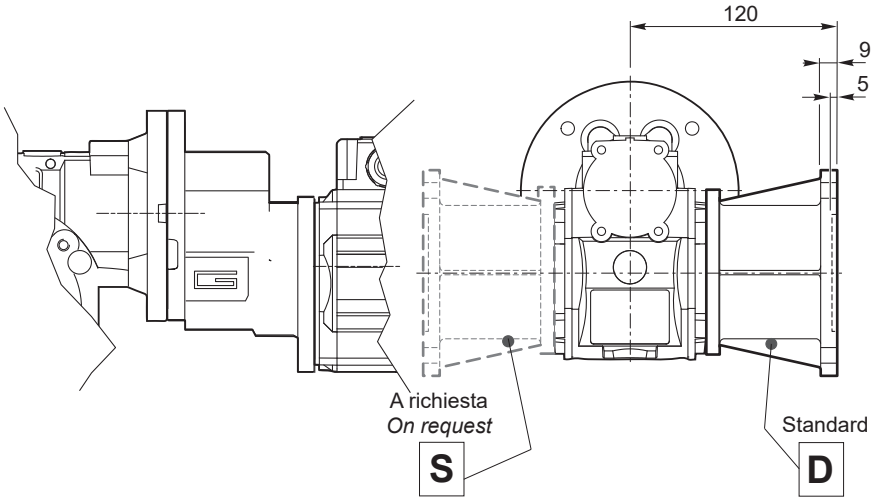

### CLP../050 FB




### CL 050 FL



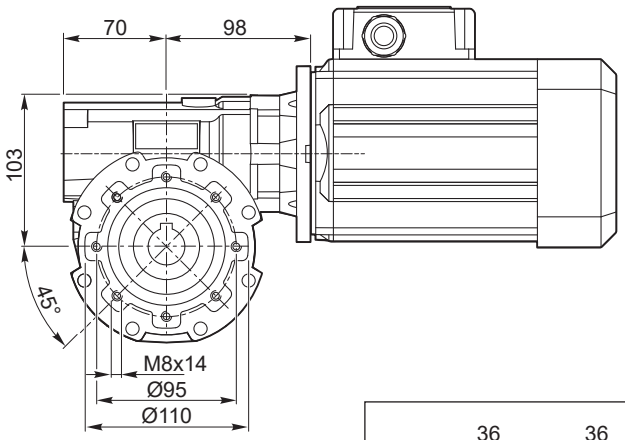

### CLP../050 FL

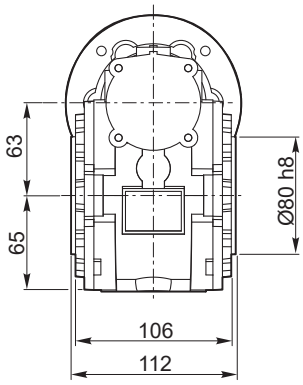



SMT SMM 63 ... 80 → N4 pag.
TS 63 ... 80 → R4 pag.

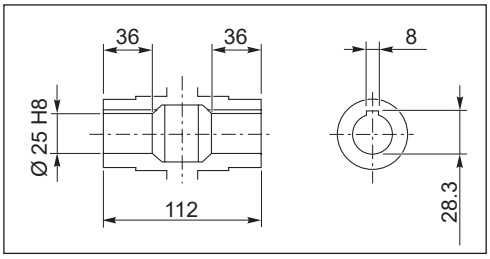
**Dimensioni** *Dimensions*

## CL 063 U



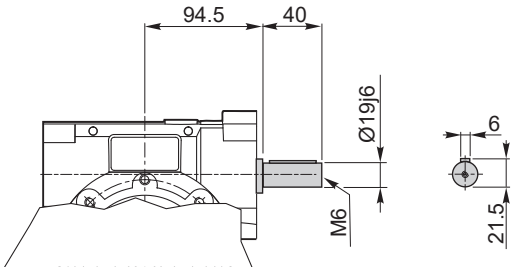

Kg 6.0



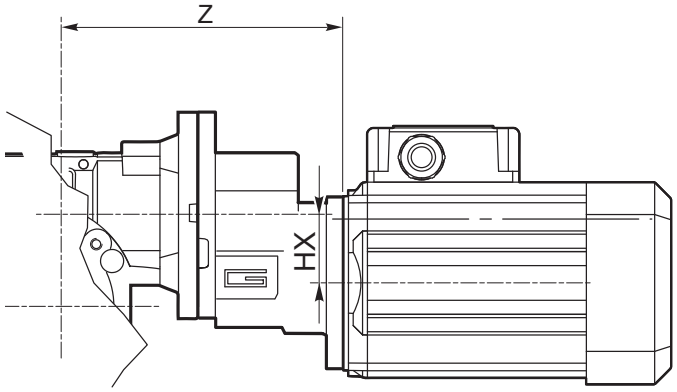

Albero lento cavo / *Hollow output shaft*

SMT SMM 71 ... 90 → N4 pag.
TS 63 ... 90 → R4 pag.

## CLIS 063 ..

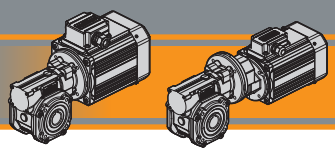



## CLP .../063 ...U



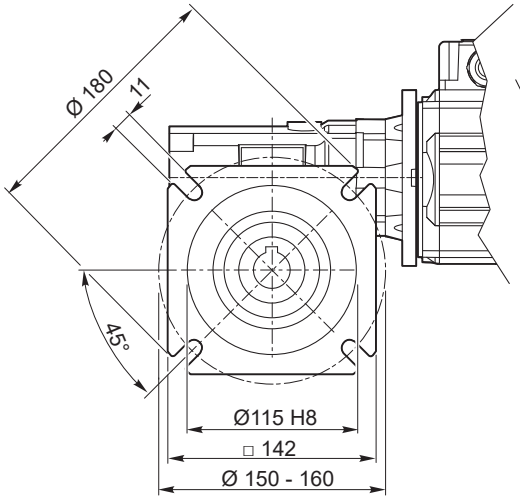

| | HX | Z | Kg |
|---|---|---|---|
| 063/063 | 30.5 | 170 | 7.2 |
| 071/063 | 41 | 187 | 8.2 |
| 080/063 | 41 | 198 | 9.0 |

SMT SMM 63 ... 80 → N4 pag.
TS 63 ... 80 → R4 pag.

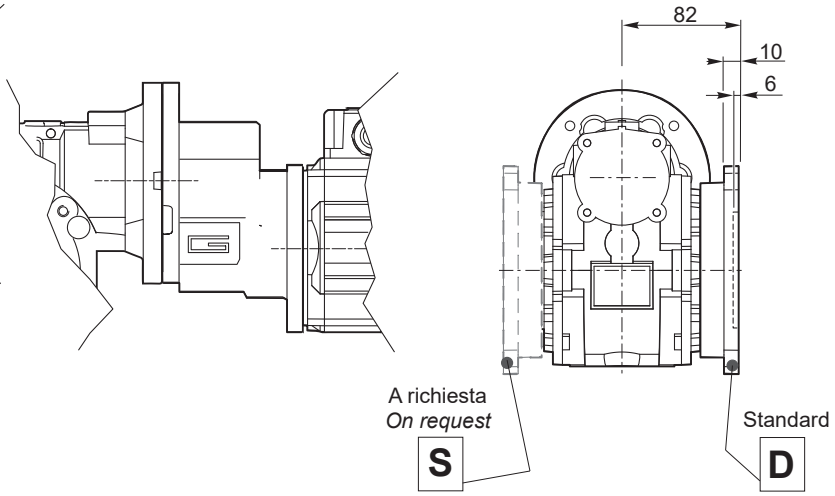


## Dimensioni — *Dimensions*

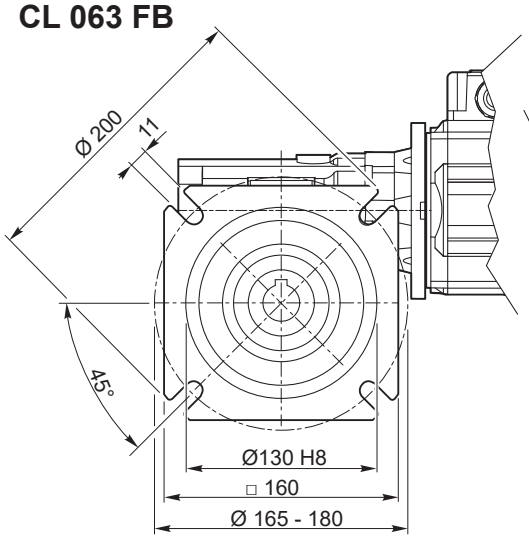
### CL 063 F



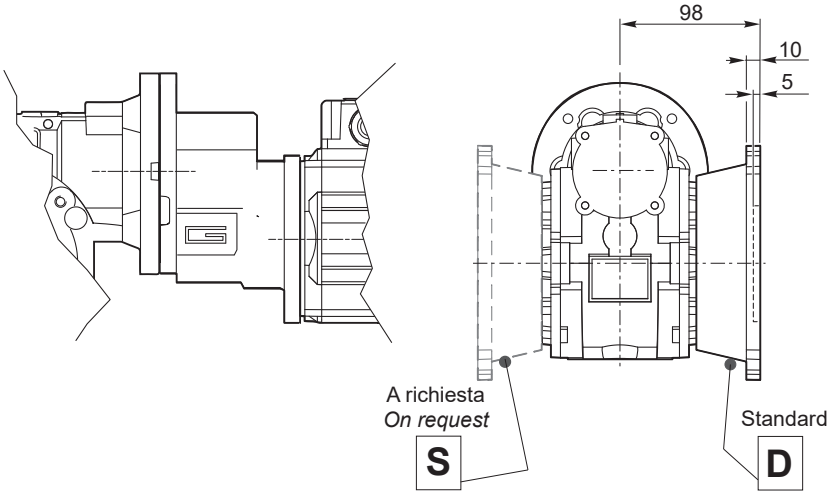

### CLP../063 F



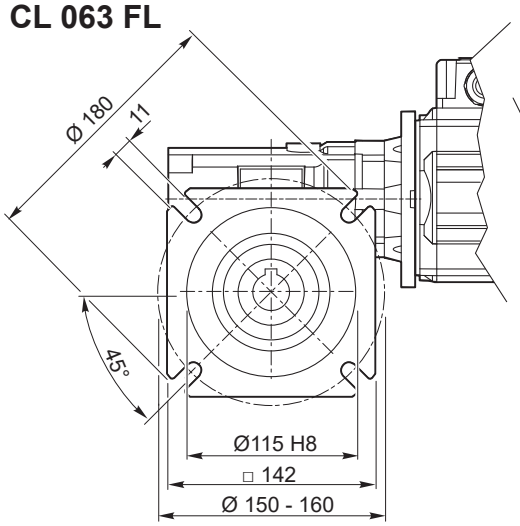

### CL 063 FB



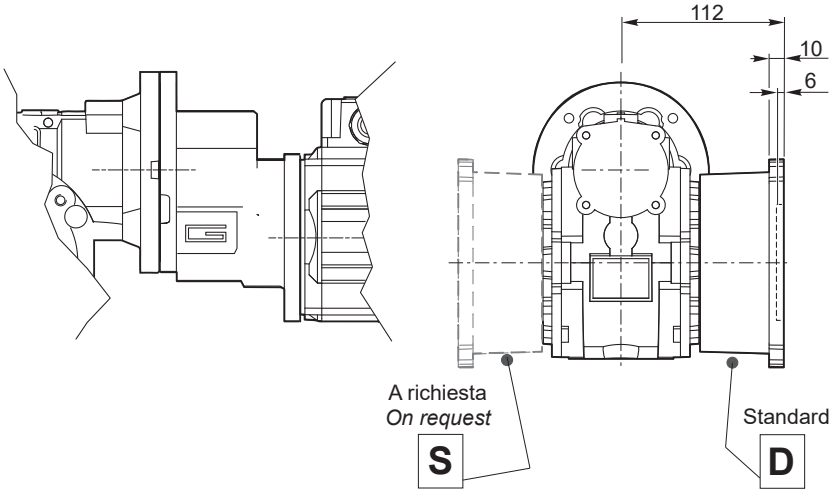

### CLP../063 FB




### CL 063 FL




### CLP../063 FL

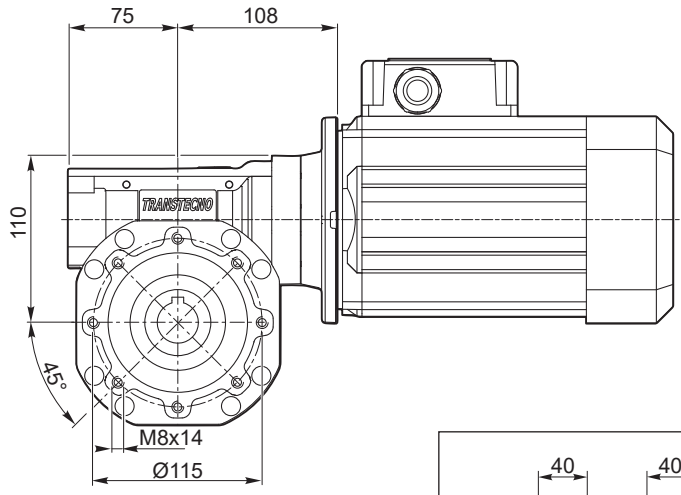



SMT SMM 63 ... 90 → N4 pag.
TS 63 ... 90 → R4 pag.

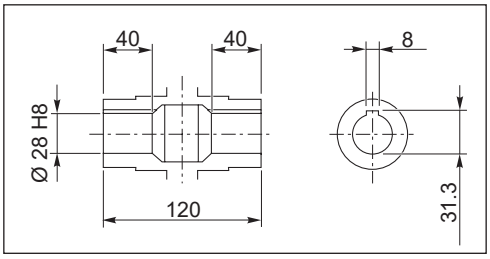
CL/CLP

**Dimensioni** *Dimensions*

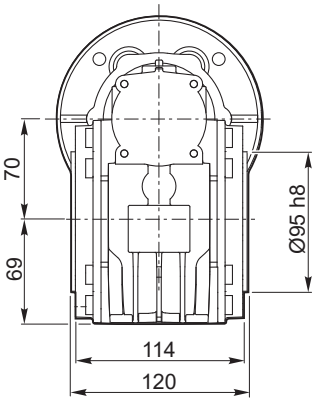
## CL 070 U




Kg 7.2



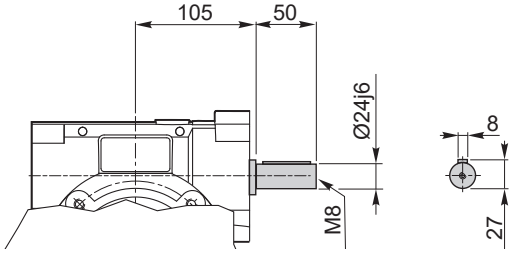

Albero lento cavo / *Hollow output shaft*



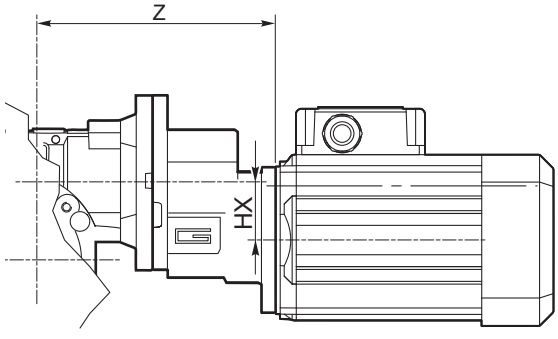

SMT SMM 80 ... 90 → N4 pag.

TS 71 ... 100 → R4 pag.

## CLIS 070...



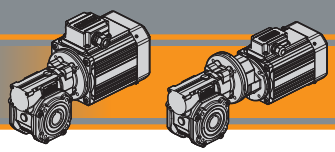

## CLP .../070 ...U




| | HX | Z | Kg |
|---|---|---|---|
| **071/070** | 41 | 197 | 8.7 |
| **080/070** | 41 | 208 | 9.5 |
| **090/070** | 36.5 | 262 | 10.2 |

SMT SMM 71 ... 90 → N4 pag.

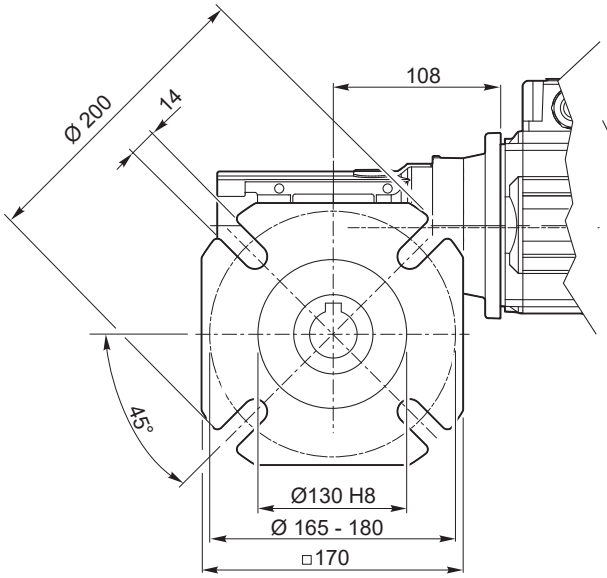
TS 71 ... 90 → R4 pag.



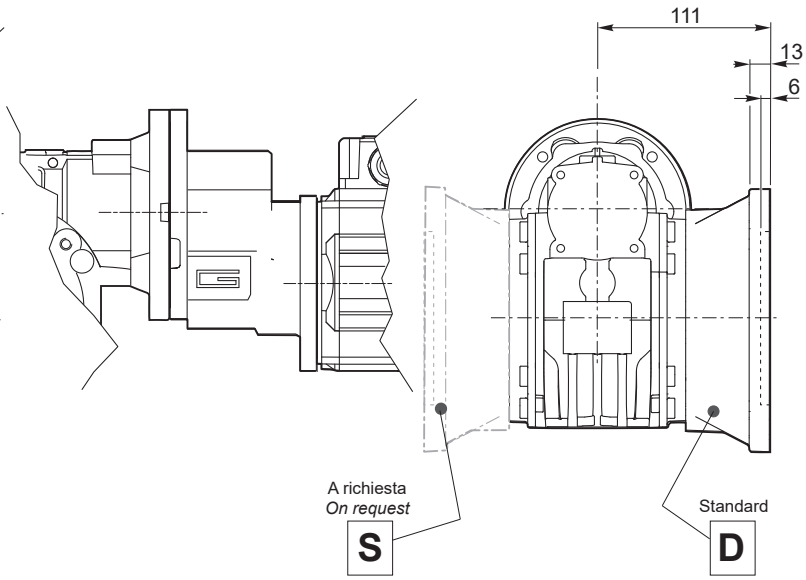
## Dimensioni

## *Dimensions*

### CL 070 F




### CLP../070 F



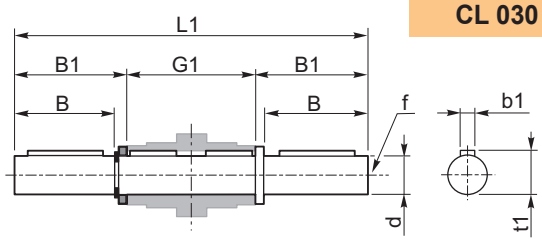

SMT SMM
80 ... 90
N4
pag.

TS
71 ... 100
R4
pag.

## Accessori — *Accessories*

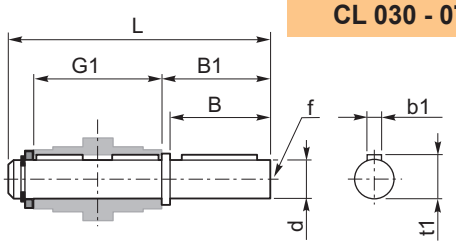
### Albero lento semplice e doppio — *Single and double output shaft*

DZ




**CL 030 - 070**

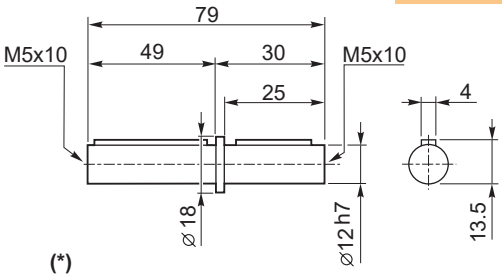
SZ




**CL 030 - 070**

| CL | CLP | 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<br>063/040 | 18 | 40 | 43 | 78 | 128 | 164 | M6 | 6 | 20.5 |
| 050 | 063/050<br>071/050 | 25 | 50 | 53.5 | 92 | 153 | 199 | M10 | 8 | 28 |
| 063 | 063/063<br>071/063<br>080/063 | 25 | 50 | 53.5 | 112 | 173 | 219 | M10 | 8 | 28 |
| 070 | 071/070<br>080/070<br>090/070 | 28 | 60 | 63.5 | 120 | 192 | 247 | M10 | 8 | 31 |

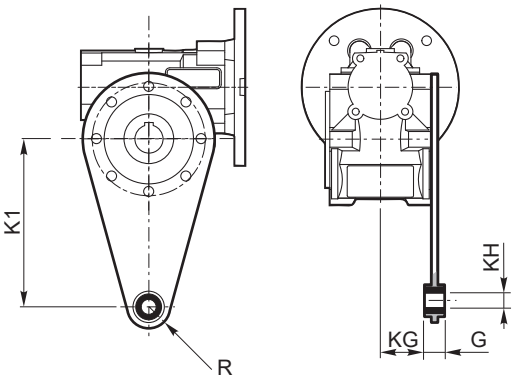
**CL 026 (*)**

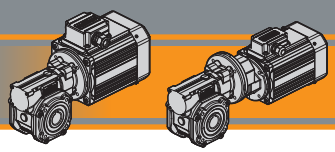



(*)
**Nota:** disponibile solo per cavo uscita Ø12
***Note:*** *available for output hollow shaft Ø12 only*

### KIT - Braccio di reazione — *KIT - Torque arm*

| CL | CLP | K1 | G | KG | KH | R |
|---|---|---|---|---|---|---|
| 030 | 056/030 | 85 | 14 | 23 | 8 | 15 |
| 040 | 056/040<br>063/040 | 100 | 14 | 31 | 10 | 18 |
| 050 | 063/050<br>071/050 | 100 | 14 | 38 | 10 | 18 |
| 063 | 063/063<br>071/063<br>080/063 | 150 | 14 | 47.5 | 10 | 18 |
| 070 | 071/070<br>080/070<br>090/070 | 200 | 25 | 46.5 | 20 | 30 |

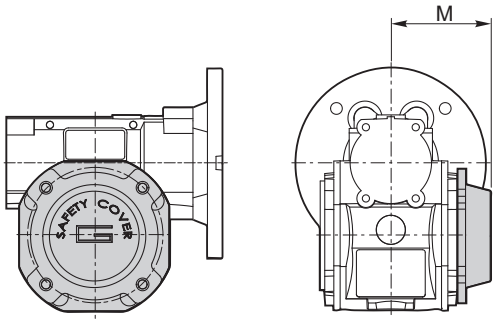




## Accessori — *Accessories*

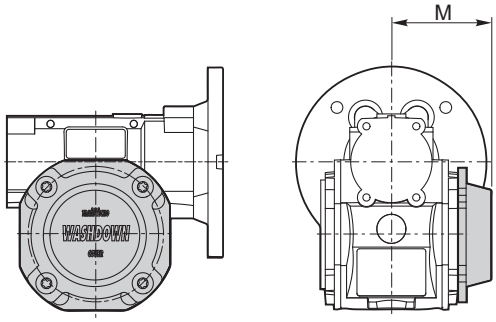
### SC - *Safety Cover*

| CL | CLP | M |
|---|---|---|
| 030 | 056/030 | 47 |
| 040 | 056/040<br>063/040 | 54.5 |
| 050 | 063/050<br>071/050 | 62.5 |
| 063 | 063/063<br>071/063<br>080/063 | 73 |
| 070 | 071/070<br>080/070<br>090/070 | 75 |




### WD - *Kit washdown cover*

| CL | CLP | M |
|---|---|---|
| 026* | | 37.5 |
| 030 | 056/030 | 48 |
| 040 | 056/040<br>063/040 | 55.5 |
| 050 | 063/050<br>071/050 | 63.5 |
| 063 | 063/063<br>071/063<br>080/063 | 71.5 |
| 070 | 071/070<br>080/070<br>090/070 | 76 |

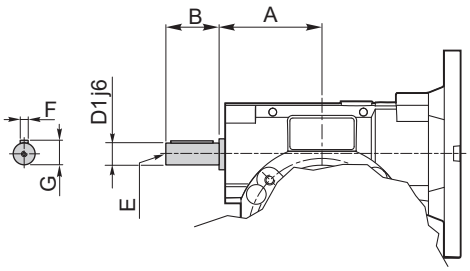



(*)
**Nota:** Viti escluse dalla fornitura
***Note:*** *Screws not provided*

## Opzioni — *Options*

### VS - Vite sporgente / *Extended input shaft*

| CL | CLP | A | B | $D_1$ j6 | E | F | G |
|---|---|---|---|---|---|---|---|
| 030 | 056/030 | 45 | 20 | 9 | M4 | 3 | 10.2 |
| 040 | 056/040<br>063/040 | 53 | 23 | 11 | M5 | 4 | 12.5 |
| 050 | 063/050<br>071/050 | 64 | 30 | 14 | M6 | 5 | 16 |
| 063 | 063/063<br>071/063<br>080/063 | 75 | 40 | 19 | M6 | 6 | 21.5 |
| 070 | 071/070<br>080/070<br>090/070 | 84 | 40 | 19 | M6 | 6 | 21.5 |




Costruito su richiesta
*Built on request*

# Note / *Notes*

TRANSTECNO®
the modular gearmotor

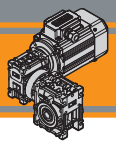
# CMM

CMM

CMM Alu

## Motoriduttori combinati a vite senza fine
## Double reduction wormgearmotors






| Indice | *Index* | Pag. *Page* |
|---|---|---|
| Caratteristiche tecniche | *Technical features* | **I2** |
| Designazione | *Classification* | **I2** |
| Esecuzioni di montaggio | *Mounting executions* | **I3** |
| Simbologia | *Symbols* | **I3** |
| Combinazioni rapporti | *Combination ratio* | **I4** |
| Lubrificazione | *Lubrication* | **I4** |
| Dati tecnici | *Technical data* | **I5** |
| Motori applicabili | *IEC Motor adapters* | **I13** |
| Dimensioni | *Dimensions* | **I16** |
| Accessori | *Accessories* | **I20** |
| Opzioni | *Options* | **I21** |




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## Caratteristiche tecniche

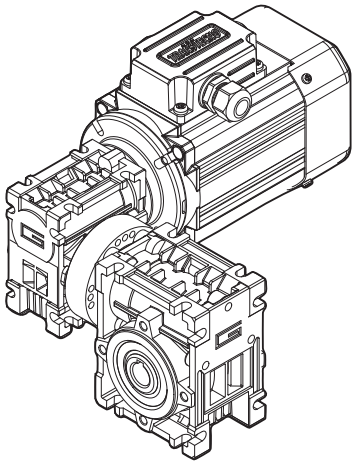
## *Technical features*

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

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

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

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



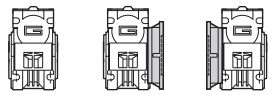
## Designazione

## *Classification*

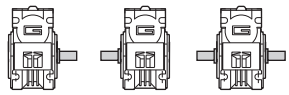
RIDUTTORE / *GEARBOX*

| CMM | 030/063 | FD | 20 | 71 | B5 | SZDX | BRSX | 90 | M1 | US1 | VS |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Versione *Version* | Rapporto *Ratio* | IEC | Forma costruttiva Version | Albero di uscita *Output shaft* | Braccio di reazione *Torque arm* | Angolo *Angle* | Pos. di montaggio Mounting position | *Esecuzione di montaggio Mounting execution* | Opzioni *Options* |
| **CMM**  **CMMIS**  | **026/026** **026/026 (D11)** **026/026 (D14)** **026/030** **026/040** **026/050** **030/040** **030/050** **030/063** **040/063** **040/070** **040/075** **040/090** **050/110** **063/130** | **U** **F...** | vedi tabelle- *see tables* | **56..** **—** **90..** | **B5** **B14** | **SZDX** **SZSX** **DZ** | **BRDX** **BRSX** (*) | **0°** **90°** **180°** **270°** | **M1** (B3) **M2** (V6) **M3** (B8) **M4** (V5) **M6** (B6) **M5** (B7) | **UB1** **UB2** **US1** **US2** **UV1** **UV2** **UC1** **UC2** | **VS1** **VS2** |

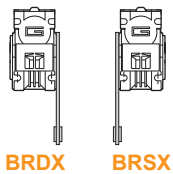
Versione Riduttore *Gearbox Version*



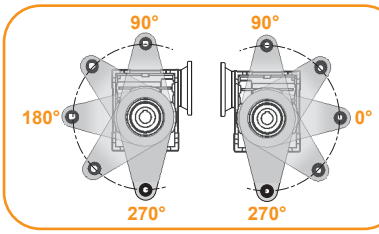

Albero di uscita *Output shaft*



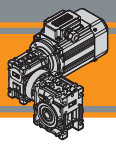

Braccio di reazione (*) *Torque arm*




Angolo *Angle*




(*) NOTA: il braccio di reazione viene fornito smontato.
*NOTE: the torque arm will be supplied not assembled.*



## Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMT | N1 pag. | 1-2-3-4-5 | 4 | 0.04 kW ... 2.2 kW | B14 | 230-400 V<br>460V | 50Hz<br>60Hz | TEFC<br>TENV | O1 P1 Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

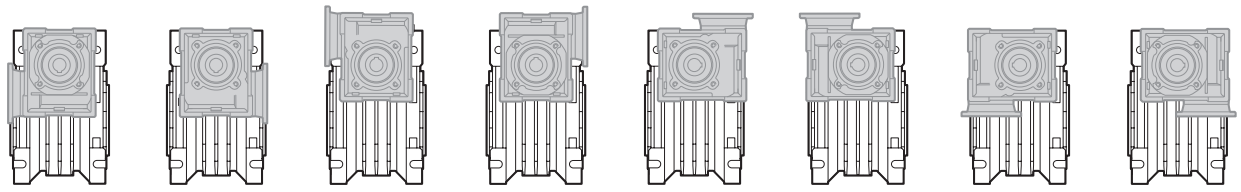
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMM | N1 pag. | 1-2-3-4 | 4 | 0.04 kW ... 0.75 kW | B14 | 230V | 50Hz | TEFC<br>TENV | Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE TRIFASE / *THREE PHASE MOTOR*

| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| TS | R1 pag. | 1-2-3-S L1-L2 | 4 | 0.09 kW ... 2.2 kW | B5 B14 | 3 ph | 230-400 V 275-480 V | 50Hz 60Hz | T1 (Std) T4 T2 T3 |



## Esecuzioni di montaggio — *Mounting executions*



UB1 UB2 US1 US2 UV1 UV2 UC1 UC2

## Simbologia — *Symbols*

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

## 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 |

## Lubrificazione — *Lubrication*

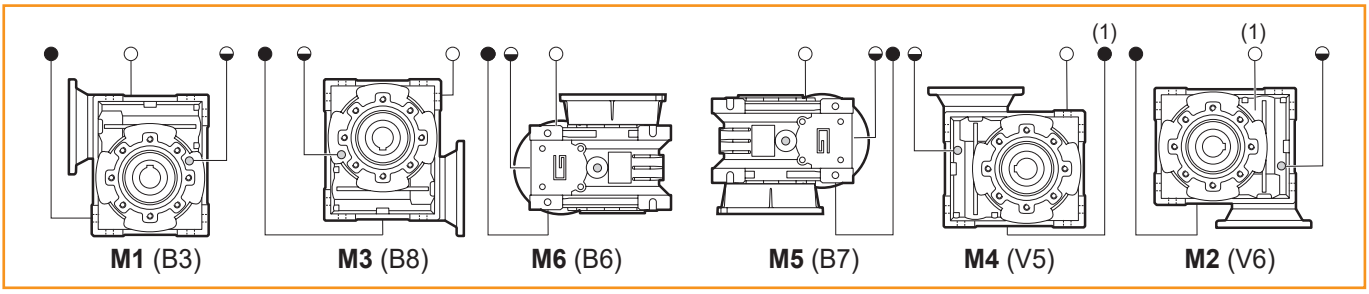
Tutti i motoriduttori nelle taglie 26, 30, 40, 50, 63, 70, 75, 90, 110 sono forniti completi di lubrificante sintetico viscosità 320, pertanto possono essere installati in qualunque posizione di monatggio e non necessitano di manutenzione. Per la taglia 130 la lubrificazione dipende dalla posizione di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

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

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

Lubrificato a vita
*Life lubrication*

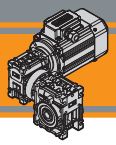
Posizioni di montaggio / *Mounting positions*




(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*

### 0.04 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT5014 SMM5014 (1400 min$^{-1}$) | **9.3** | 23 | 1.1 | 150 | **CMM** | **B14** |
| | **6.2** | 32 | 0.8 | 225 | **026/026** | **B14** |
| | **4.7** | 34 | 0.8 | 300 | | **B14** |
| | **3.1** | 34 | 0.8 | 450 | | **B14** |
| | **2.3** | 34 | 0.8 | 600 | | **B14** |
| | **1.6** | 34 | 0.8 | 900 | | **B14** |
| | **1.2** | 34 | 0.8 | 1200 | | **B14** |
| | **0.9** | 34 | 0.8 | 1500 | | **B14** |
| | **0.8** | 34 | 0.8 | 1800 | | **B14** |
| | **0.6** | 28 | 0.8 | 2400 | | **B14** |
| | **0.5** | 25 | 0.8 | 3000 | | **B14** |
| | **0.4** | 23 | 0.8 | 3600 | | **B14** |
| | **9.3** | 23 | 1.7 | 150 | **CMM** | **B14** |
| | **6.2** | 32 | 1.2 | 225 | **026/030** | **B14** |
| | **4.7** | 37 | 1.1 | 300 | | **B14** |
| | **3.1** | 50 | 0.8 | 450 | | **B14** |
| | **2.3** | 50 | 0.8 | 600 | | **B14** |
| | **1.6** | 50 | 0.8 | 900 | | **B14** |
| | **1.2** | 50 | 0.8 | 1200 | | **B14** |
| | **0.9** | 50 | 0.8 | 1500 | | **B14** |
| | **0.8** | 50 | 0.8 | 1800 | | **B14** |
| | **0.6** | 43 | 0.8 | 2400 | | **B14** |
| | **0.5** | 38 | 0.8 | 3000 | | **B14** |
| | **0.4** | 34 | 0.8 | 3600 | | **B14** |
| | **9.3** | 23 | 3.7 | 150 | **CMM** | **B14** |
| | **6.2** | 33 | 2.6 | 225 | **026/040** | **B14** |
| | **4.7** | 39 | 2.3 | 300 | | **B14** |
| | **3.1** | 55 | 1.6 | 450 | | **B14** |
| | **2.3** | 69 | 1.3 | 600 | | **B14** |
| | **1.6** | 92 | 1.0 | 900 | | **B14** |
| | **1.2** | 113 | 0.8 | 1200 | | **B14** |
| | **0.9** | 113 | 0.8 | 1500 | | **B14** |
| | **0.8** | 113 | 0.8 | 1800 | | **B14** |
| | **0.6** | 93 | 0.8 | 2400 | | **B14** |
| | **0.5** | 85 | 0.8 | 3000 | | **B14** |
| | **0.4** | 78 | 0.8 | 3600 | | **B14** |
| | **2.3** | 70 | 2.3 | 600 | **CMM** | **B14** |
| | **1.6** | 94 | 1.7 | 900 | **026/050** | **B14** |
| | **1.2** | 116 | 1.4 | 1200 | | **B14** |
| | **0.9** | 135 | 1.2 | 1500 | | **B14** |
| | **0.8** | 151 | 1.1 | 1800 | | **B14** |
| | **0.6** | 169 | 0.8 | 2400 | | **B14** |
| | **0.5** | 156 | 0.8 | 3000 | | **B14** |
| | **0.4** | 141 | 0.8 | 3600 | | **B14** |

### 0.04 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT5014 SMM5014 (1400 min$^{-1}$) | **9.3** | 24 | 3.7 | 150 | **CMM** | **B14** |
| | **7.0** | 31 | 2.4 | 200 | **030/040** | **B14** |
| | **5.6** | 37 | 1.8 | 250 | | **B14** |
| | **4.7** | 39 | 2.3 | 300 | | **B14** |
| | **3.5** | 48 | 1.6 | 400 | | **B14** |
| | **2.8** | 54 | 1.3 | 500 | | **B14** |
| | **2.3** | 70 | 1.3 | 600 | | **B14** |
| | **1.9** | 84 | 1.1 | 750 | | **B14** |
| | **1.6** | 94 | 1.0 | 900 | | **B14** |
| | **1.2** | 113 | 0.8 | 1200 | | **B14** |
| | **0.9** | 113 | 0.8 | 1500 | | **B14** |
| | **0.8** | 113 | 0.8 | 1800 | | **B14** |
| | **0.6** | 93 | 0.8 | 2400 | | **B14** |
| | **0.5** | 85 | 0.8 | 3000 | | **B14** |
| | **3.5** | 49 | 2.8 | 400 | **CMM** | **B14** |
| | **2.8** | 55 | 2.3 | 500 | **030/050** | **B14** |
| | **2.3** | 71 | 2.3 | 600 | | **B14** |
| | **1.9** | 85 | 1.9 | 750 | | **B14** |
| | **1.6** | 95 | 1.7 | 900 | | **B14** |
| | **1.2** | 118 | 1.4 | 1200 | | **B14** |
| | **0.9** | 138 | 1.2 | 1500 | | **B14** |
| | **0.8** | 157 | 1.0 | 1800 | | **B14** |
| | **0.6** | 169 | 0.8 | 2400 | | **B14** |
| | **0.5** | 156 | 0.8 | 3000 | | **B14** |
| | **1.6** | 99 | 3.1 | 900 | **CMM** | **B14** |
| | **1.2** | 122 | 2.5 | 1200 | **030/063** | **B14** |
| | **0.9** | 142 | 2.2 | 1500 | | **B14** |
| | **0.8** | 162 | 1.9 | 1800 | | **B14** |
| | **0.6** | 194 | 1.3 | 2400 | | **B14** |
| | **0.5** | 225 | 1.0 | 3000 | | **B14** |
| | **1.6** | 103 | 3.0 | 900 | **CMM** | **B14** |
| | **1.2** | 128 | 2.4 | 1200 | **040/063** | **B14** |
| | **0.9** | 147 | 2.1 | 1500 | | **B14** |
| | **0.8** | 171 | 1.8 | 1800 | | **B14** |
| | **0.6** | 205 | 1.3 | 2400 | | **B14** |
| | **0.5** | 237 | 1.0 | 3000 | | **B14** |
| | **0.8** | 171 | 2.7 | 1800 | **CMM** | **B14** |
| | **0.6** | 205 | 1.8 | 2400 | **040/070** | **B14** |
| | **0.5** | 237 | 1.4 | 3000 | | **B14** |
| | **0.6** | 209 | 2.2 | 2400 | **CMM** | **B14** |
| | **0.5** | 237 | 1.7 | 3000 | **040/075** | **B14** |
| | **0.6** | 220 | 3.7 | 2400 | **CMM** | **B14** |
| | **0.5** | 256 | 2.7 | 3000 | **040/090** | **B14** |

Verificare sempre che la coppia $M_2$ utilizzata non ecceda il valore indicato nelle caselle in grigio.
*Please check that the output torque $M_2$ does not exceed the value in the grey areas.*

| Motori *Motors* | SMT | SMM |
|---|---|---|
| IEC | 5014 | 5014 |
| | 56 B14 | 56 B14 |

## Dati tecnici / *Technical data*

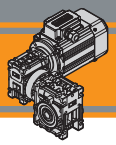
## 0.06 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT5024 SMM5024 (1400 min$^{-1}$) | **9.3** | 34 | 1.1 | 150 | **CMM 026/030** | **B14** |
| | **9.3** | 35 | 2.5 | 150 | **CMM** | **B14** |
| | **6.2** | 50 | 1.8 | 225 | **026/040** | **B14** |
| | **4.7** | 58 | 1.5 | 300 | | **B14** |
| | **3.1** | 82 | 1.1 | 450 | | **B14** |
| | **2.3** | 104 | 0.9 | 600 | | **B14** |
| | **6.2** | 52 | 3.1 | 225 | **CMM** | **B14** |
| | **4.7** | 59 | 2.7 | 300 | **026/050** | **B14** |
| | **3.1** | 83 | 1.9 | 450 | | **B14** |
| | **2.3** | 105 | 1.5 | 600 | | **B14** |
| | **1.6** | 141 | 1.1 | 900 | | **B14** |
| | **1.2** | 174 | 0.9 | 1200 | | **B14** |
| | **9.3** | 36 | 2.4 | 150 | **CMM** | **B14** |
| | **7.0** | 46 | 1.6 | 200 | **030/040** | **B14** |
| | **5.6** | 55 | 1.2 | 250 | | **B14** |
| | **4.7** | 59 | 1.5 | 300 | | **B14** |
| | **3.5** | 72 | 1.0 | 400 | | **B14** |
| | **2.8** | 81 | 0.8 | 500 | | **B14** |
| | **2.3** | 105 | 0.9 | 600 | | **B14** |
| | **3.5** | 73 | 1.9 | 400 | **CMM** | **B14** |
| | **2.8** | 83 | 1.5 | 500 | **030/050** | **B14** |
| | **2.3** | 107 | 1.5 | 600 | | **B14** |
| | **1.9** | 128 | 1.3 | 750 | | **B14** |
| | **1.6** | 143 | 1.1 | 900 | | **B14** |
| | **2.8** | 86 | 2.7 | 500 | **CMM** | **B14** |
| | **2.3** | 111 | 2.8 | 600 | **030/063** | **B14** |
| | **1.9** | 133 | 2.3 | 750 | | **B14** |
| | **1.6** | 148 | 2.1 | 900 | | **B14** |
| | **1.2** | 183 | 1.7 | 1200 | | **B14** |
| | **0.9** | 214 | 1.5 | 1500 | | **B14** |
| | **0.8** | 243 | 1.3 | 1800 | | **B14** |
| | **0.6** | 292 | 0.9 | 2400 | | **B14** |
| | **2.8** | 86 | 2.7 | 500 | **CMM** | **B14** |
| | **2.3** | 115 | 2.7 | 600 | **040/063** | **B14** |
| | **1.9** | 136 | 2.3 | 750 | | **B14** |
| | **1.6** | 155 | 2.0 | 900 | | **B14** |
| | **1.2** | 192 | 1.6 | 1200 | | **B14** |
| | **0.9** | 221 | 1.4 | 1500 | | **B14** |
| | **0.8** | 256 | 1.2 | 1800 | | **B14** |
| | **1.2** | 172 | 2.6 | 1200 | **CMM** | **B14** |
| | **0.9** | 221 | 2.0 | 1500 | **040/070** | **B14** |
| | **0.8** | 256 | 1.8 | 1800 | | **B14** |
| | **0.6** | 308 | 1.2 | 2400 | | **B14** |
| | **0.5** | 356 | 0.9 | 3000 | | **B14** |
| | **0.8** | 256 | 2.1 | 1800 | **CMM** | **B14** |
| | **0.6** | 313 | 1.5 | 2400 | **040/075** | **B14** |
| | **0.5** | 356 | 1.1 | 3000 | | **B14** |
| | **0.6** | 330 | 2.5 | 2400 | **CMM** | **B14** |
| | **0.5** | 385 | 1.8 | 3000 | **040/090** | **B14** |

## 0.09 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT5034 SMM5034 SMT5624 SMM5624 (1400 min$^{-1}$) | **9.3** | 53 | 1.6 | 150 | **CMM** | **B14** |
| | **6.2** | 74 | 1.2 | 225 | **026/040** | **B14** |
| | **4.7** | 87 | 1.0 | 300 | | **B14** |
| | **9.3** | 55 | 2.9 | 150 | **CMM** | **B14** |
| | **6.2** | 78 | 2.1 | 225 | **026/050** | **B14** |
| | **4.7** | 89 | 1.8 | 300 | | **B14** |
| | **3.1** | 125 | 1.3 | 450 | | **B14** |
| | **2.3** | 158 | 1.0 | 600 | | **B14** |
| TS5624-B14 **TS5624-B5** (1400 min$^{-1}$) | **19** | 29 | 2.9 | 75 | **CMM** | **B5/B14** |
| | **14** | 39 | 2.2 | 100 | **030/040** | **B5/B14** |
| | **9.3** | 53 | 1.6 | 150 | | **B5/B14** |
| | **7.0** | 69 | 1.1 | 200 | | **B5/B14** |
| | **4.7** | 88 | 1.0 | 300 | | **B5/B14** |
| | **9.3** | 56 | 2.9 | 150 | **CMM** | **B5/B14** |
| | **7.0** | 70 | 2.0 | 200 | **030/050** | **B5/B14** |
| | **5.6** | 83 | 1.5 | 250 | | **B5/B14** |
| | **4.7** | 90 | 1.8 | 300 | | **B5/B14** |
| | **3.5** | 109 | 1.2 | 400 | | **B5/B14** |
| | **2.8** | 124 | 1.0 | 500 | | **B5/B14** |
| | **2.3** | 160 | 1.0 | 600 | | **B5/B14** |
| | **5.6** | 81 | 2.8 | 250 | **CMM** | **B5/B14** |
| | **4.7** | 93 | 3.3 | 300 | **030/063** | **B5/B14** |
| | **3.5** | 111 | 2.3 | 400 | | **B5/B14** |
| | **2.8** | 129 | 1.8 | 500 | | **B5/B14** |
| | **2.3** | 166 | 1.9 | 600 | | **B5/B14** |
| | **1.9** | 199 | 1.6 | 750 | | **B5/B14** |
| | **1.6** | 222 | 1.4 | 900 | | **B5/B14** |
| | **1.2** | 274 | 1.1 | 1200 | | **B5/B14** |
| | **0.9** | 320 | 1.0 | 1500 | | **B5/B14** |
| | **0.8** | 365 | 0.9 | 1800 | | **B5/B14** |
| | **2.8** | 129 | 1.8 | 500 | **CMM** | **B5/B14** |
| | **2.3** | 172 | 1.8 | 600 | **040/063** | **B5/B14** |
| | **1.9** | 204 | 1.5 | 750 | | **B5/B14** |
| | **1.6** | 232 | 1.3 | 900 | | **B5/B14** |
| | **1.2** | 287 | 1.1 | 1200 | | **B5/B14** |
| | **0.9** | 320 | 1.0 | 1500 | | **B5/B14** |
| | **2.8** | 129 | 2.6 | 500 | **CMM** | **B5/B14** |
| | **2.3** | 172 | 2.6 | 600 | **040/070** | **B5/B14** |
| | **1.9** | 204 | 2.2 | 750 | | **B5/B14** |
| | **1.6** | 232 | 2.0 | 900 | | **B5/B14** |
| | **1.2** | 259 | 1.8 | 1200 | | **B5/B14** |
| | **0.9** | 332 | 1.4 | 1500 | | **B5/B14** |
| | **0.8** | 385 | 1.2 | 1800 | | **B5/B14** |
| | **1.2** | 287 | 1.9 | 1200 | **CMM** | **B5/B14** |
| | **0.9** | 332 | 1.6 | 1500 | **040/075** | **B5/B14** |
| | **0.8** | 385 | 1.4 | 1800 | | **B5/B14** |
| | **0.6** | 470 | 1.0 | 2400 | | **B5/B14** |
| | **1.2** | 302 | 2.5 | 1200 | **CMM** | **B5/B14** |
| | **0.9** | 348 | 2.0 | 1500 | **040/090** | **B5/B14** |
| | **0.8** | 404 | 1.6 | 1800 | | **B5/B14** |
| | **0.6** | 496 | 1.6 | 2400 | | **B5/B14** |
| | **0.5** | 577 | 1.2 | 3000 | | **B5/B14** |

| Motori *Motors* | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| | 5024 5034 | 5624 | 5024 5034 | 5624 | 5624 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 56 B14 | 56 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.12 - IEC 56

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|---|
| SMT5044<br>SMT5634<br>SMM5634<br>(1400 min$^{-1}$) | **9.3** | 70 | 1.2 | 150 | **CMM** | | **B14** |
| | **6.2** | 99 | 0.9 | 225 | **026/040** | | **B14** |
| | **9.3** | 73 | 2.0 | 150 | **CMM** | | **B14** |
| | **6.2** | 103 | 1.4 | 225 | **026/050** | | **B14** |
| | **4.7** | 118 | 1.4 | 300 | | | **B14** |
| | **3.1** | 167 | 1.0 | 450 | | | **B14** |
| | **19** | 39 | 2.1 | 75 | **CMM** | | **B14** |
| | **14** | 52 | 1.6 | 100 | **030/040** | | **B14** |
| | **9.3** | 71 | 1.2 | 150 | | | **B14** |
| | **19** | 40 | 3.9 | 75 | **CMM** | | **B14** |
| | **14** | 52 | 3.0 | 100 | **030/050** | | **B14** |
| | **9.3** | 74 | 2.2 | 150 | | | **B14** |
| | **7.0** | 94 | 1.5 | 200 | | | **B14** |
| | **5.6** | 110 | 1.1 | 250 | | | **B14** |
| | **4.7** | 120 | 1.4 | 300 | | | **B14** |
| | **3.5** | 146 | 0.9 | 400 | | | **B14** |
| | **7.0** | 92 | 2.8 | 200 | **CMM** | | **B14** |
| | **5.6** | 108 | 2.1 | 250 | **030/063** | | **B14** |
| | **4.7** | 124 | 2.5 | 300 | | | **B14** |
| | **3.5** | 149 | 1.8 | 400 | | | **B14** |
| | **2.8** | 172 | 1.3 | 500 | | | **B14** |
| | **2.3** | 221 | 1.4 | 600 | | | **B14** |
| | **1.9** | 265 | 1.2 | 750 | | | **B14** |
| | **1.6** | 296 | 1.0 | 900 | | | **B14** |
| | **7.0** | 92 | 2.8 | 200 | **CMM** | | **B14** |
| | **5.6** | 108 | 2.1 | 250 | **040/063** | | **B14** |
| | **4.7** | 124 | 2.5 | 300 | | | **B14** |
| | **3.5** | 149 | 1.8 | 400 | | | **B14** |
| | **2.8** | 172 | 1.3 | 500 | | | **B14** |
| | **2.3** | 230 | 1.3 | 600 | | | **B14** |
| | **1.9** | 273 | 1.1 | 750 | | | **B14** |
| | **1.6** | 309 | 1.0 | 900 | | | **B14** |
| | **3.5** | 149 | 2.6 | 400 | **CMM** | | **B14** |
| | **2.8** | 172 | 2.0 | 500 | **040/070** | | **B14** |
| | **2.3** | 230 | 2.0 | 600 | | | **B14** |
| | **1.9** | 273 | 1.7 | 750 | | | **B14** |
| | **1.6** | 309 | 1.5 | 900 | | | **B14** |
| | **1.2** | 383 | 1.2 | 1200 | | | **B14** |
| | **0.9** | 442 | 1.0 | 1500 | | | **B14** |
| | **0.8** | 513 | 0.9 | 1800 | | | **B14** |
| | **1.9** | 273 | 2.0 | 750 | **CMM** | | **B14** |
| | **1.6** | 309 | 1.8 | 900 | **040/075** | | **B14** |
| | **1.2** | 383 | 1.4 | 1200 | | | **B14** |
| | **0.9** | 442 | 1.2 | 1500 | | | **B14** |
| | **0.8** | 513 | 1.1 | 1800 | | | **B14** |
| | **1.6** | 325 | 2.7 | 900 | **CMM** | | **B14** |
| | **1.2** | 402 | 1.9 | 1200 | **040/090** | | **B14** |
| | **0.9** | 464 | 1.5 | 1500 | | | **B14** |
| | **0.8** | 538 | 1.2 | 1800 | | | **B14** |
| | **0.6** | 661 | 1.2 | 2400 | | | **B14** |
| | **0.5** | 769 | 0.9 | 3000 | | | **B14** |

### 0.12 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|---|
| TS6314<br>(1400 min$^{-1}$) | **19** | 39 | 2.1 | 75 | **CMM** | | **B5/B14** |
| | **14** | 52 | 1.6 | 100 | **030/040** | | **B5/B14** |
| | **9.3** | 71 | 1.2 | 150 | | | **B5/B14** |
| | **18.7** | 40 | 3.9 | 75 | **CMM** | | **B5/B14** |
| | **14.0** | 52 | 3.0 | 100 | **030/050** | | **B5/B14** |
| | **9.3** | 74 | 2.2 | 150 | | | **B5/B14** |
| | **7.0** | 94 | 1.5 | 200 | | | **B5/B14** |
| | **5.6** | 110 | 1.1 | 250 | | | **B5/B14** |
| | **4.7** | 120 | 1.4 | 300 | | | **B5/B14** |
| | **3.5** | 146 | 0.9 | 400 | | | **B5/B14** |
| | **7.0** | 92 | 2.8 | 200 | **CMM** | | **B5/B14** |
| | **5.6** | 108 | 2.1 | 250 | **030/063** | | **B5/B14** |
| | **4.7** | 124 | 2.5 | 300 | | | **B5/B14** |
| | **3.5** | 149 | 1.8 | 400 | | | **B5/B14** |
| | **2.8** | 172 | 1.3 | 500 | | | **B5/B14** |
| | **2.3** | 221 | 1.4 | 600 | | | **B5/B14** |
| | **1.9** | 265 | 1.2 | 750 | | | **B5/B14** |
| | **1.6** | 296 | 1.0 | 900 | | | **B5/B14** |
| | **7.0** | 92 | 2.8 | 200 | **CMM** | | **B5/B14** |
| | **5.6** | 108 | 2.1 | 250 | **040/063** | | **B5/B14** |
| | **4.7** | 124 | 2.5 | 300 | | | **B5/B14** |
| | **3.5** | 149 | 1.8 | 400 | | | **B5/B14** |
| | **2.8** | 172 | 1.3 | 500 | | | **B5/B14** |
| | **2.3** | 230 | 1.3 | 600 | | | **B5/B14** |
| | **1.9** | 273 | 1.1 | 750 | | | **B5/B14** |
| | **1.6** | 309 | 1.0 | 900 | | | **B5/B14** |
| | **3.5** | 149 | 2.6 | 400 | **CMM** | | **B5/B14** |
| | **2.8** | 172 | 2.0 | 500 | **040/070** | | **B5/B14** |
| | **2.3** | 230 | 2.0 | 600 | | | **B5/B14** |
| | **1.9** | 273 | 1.7 | 750 | | | **B5/B14** |
| | **1.6** | 309 | 1.5 | 900 | | | **B5/B14** |
| | **1.2** | 383 | 1.2 | 1200 | | | **B5/B14** |
| | **0.9** | 442 | 1.0 | 1500 | | | **B5/B14** |
| | **0.8** | 513 | 0.9 | 1800 | | | **B5/B14** |
| | **1.9** | 273 | 2.0 | 750 | **CMM** | | **B5/B14** |
| | **1.6** | 309 | 1.8 | 900 | **040/075** | | **B5/B14** |
| | **1.2** | 383 | 1.4 | 1200 | | | **B5/B14** |
| | **0.9** | 442 | 1.2 | 1500 | | | **B5/B14** |
| | **0.8** | 513 | 1.1 | 1800 | | | **B5/B14** |
| | **1.6** | 325 | 2.7 | 900 | **CMM** | | **B5/B14** |
| | **1.2** | 402 | 1.9 | 1200 | **040/090** | | **B5/B14** |
| | **0.9** | 464 | 1.5 | 1500 | | | **B5/B14** |
| | **0.8** | 538 | 1.2 | 1800 | | | **B5/B14** |
| | **0.6** | 661 | 1.2 | 2400 | | | **B5/B14** |
| | **0.5** | 769 | 0.9 | 3000 | | | **B5/B14** |
| | **0.8** | 566 | 2.2 | 1800 | **CMM** | | **B5/B14** |
| | **0.6** | 719 | 2.0 | 2400 | **050/110** | | **B5/B14** |
| | **0.5** | 855 | 1.5 | 3000 | | | **B5/B14** |

IEC

| Motori *Motors* | SMT | | SMM | TS |
|---|---|---|---|---|
| | 5044 | 5634 | 5624<br>5634 | 6314 |
| IEC | 56 B14 | 56 B14 | 56 B14 | 63 B5 / B14 |

## Dati tecnici — *Technical data*

### 0.18 - IEC 56

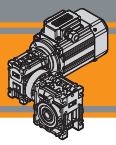
| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT5644 SMM5644 (1400 min$^{-1}$) | **9.3** | 110 | 1.3 | 150 | **CMM** | **B14** |
| | **6.2** | 155 | 0.9 | 225 | **026/050** | **B14** |
| | **4.7** | 177 | 0.9 | 300 | | **B14** |
| SMT SMM | **19** | 59 | 1.4 | 75 | **CMM** | **B14** |
| | **14** | 77 | 1.1 | 100 | **030/040** | **B14** |
| | **19** | 59 | 2.6 | 75 | **CMM** | **B5/B14** |
| | **14** | 78 | 2.0 | 100 | **030/050** | **B5/B14** |
| | **9.3** | 111 | 1.4 | 150 | | **B5/B14** |
| | **7.0** | 140 | 1.0 | 200 | | **B5/B14** |
| | **5.6** | 165 | 0.7 | 250 | | **B5/B14** |
| | **4.7** | 179 | 0.9 | 300 | | **B5/B14** |
| | **9.3** | 110 | 1.9 | 150 | **CMM** | **B14** |
| | **7.0** | 138 | 1.9 | 200 | **030/063** | **B14** |
| | **5.6** | 162 | 1.4 | 250 | | **B14** |
| | **4.7** | 186 | 1.7 | 300 | | **B14** |
| | **3.5** | 223 | 1.2 | 400 | | **B14** |
| | **2.8** | 258 | 0.9 | 500 | | **B14** |
| | **2.3** | 332 | 0.9 | 600 | | **B14** |
| | **9.3** | 110 | 2.8 | 150 | **CMM** | **B14** |
| | **7.0** | 138 | 1.9 | 200 | **040/063** | **B14** |
| | **5.6** | 162 | 1.4 | 250 | | **B14** |
| | **4.7** | 186 | 1.7 | 300 | | **B14** |
| | **3.5** | 223 | 1.2 | 400 | | **B14** |
| | **2.8** | 258 | 0.9 | 500 | | **B14** |
| | **2.3** | 345 | 0.9 | 600 | | **B14** |
| | **7.0** | 140 | 2.8 | 200 | **CMM** | **B14** |
| | **5.6** | 168 | 2.0 | 250 | **040/070** | **B14** |
| | **4.7** | 186 | 2.4 | 300 | | **B14** |
| | **3.5** | 223 | 1.7 | 400 | | **B14** |
| | **2.8** | 258 | 1.3 | 500 | | **B14** |
| | **2.3** | 345 | 1.3 | 600 | | **B14** |
| | **1.9** | 409 | 1.1 | 750 | | **B14** |
| | **1.6** | 464 | 1.0 | 900 | | **B14** |
| | **3.5** | 227 | 2.1 | 400 | **CMM** | **B14** |
| | **2.8** | 258 | 1.6 | 500 | **040/075** | **B14** |
| | **2.3** | 345 | 1.6 | 600 | | **B14** |
| | **1.9** | 409 | 1.3 | 750 | | **B14** |
| | **1.6** | 464 | 1.2 | 900 | | **B14** |
| | **1.2** | 575 | 1.0 | 1200 | | **B14** |
| | **2.8** | 278 | 2.5 | 500 | **CMM** | **B14** |
| | **2.3** | 362 | 2.0 | 600 | **040/090** | **B14** |
| | **1.9** | 429 | 1.6 | 750 | | **B14** |
| | **1.6** | 487 | 1.8 | 900 | | **B14** |
| | **1.2** | 603 | 1.3 | 1200 | | **B14** |
| | **0.9** | 696 | 1.0 | 1500 | | **B14** |

### 0.18 - IEC 63

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT6324 SMM6324 | **19** | 59 | 1.4 | 75 | **CMM** | **B5/B14** |
| | **14** | 77 | 1.1 | 100 | **030/040** | **B5/B14** |
| SMT SMM | **19** | 59 | 2.6 | 75 | **CMM** | **B5/B14** |
| | **14** | 78 | 2.0 | 100 | **030/050** | **B5/B14** |
| | **9.3** | 111 | 1.4 | 150 | | **B5/B14** |
| TS6324-B14 | **7.0** | 140 | 1.0 | 200 | | **B5/B14** |
| **TS6324-B5** | **5.6** | 165 | 0.7 | 250 | | **B5/B14** |
| (1400 min$^{-1}$) | **4.7** | 179 | 0.9 | 300 | | **B5/B14** |
| | **9.3** | 110 | 2.8 | 150 | **CMM** | **B5/B14** |
| | **7.0** | 138 | 1.9 | 200 | **030/063** | **B5/B14** |
| | **5.6** | 162 | 1.4 | 250 | | **B5/B14** |
| | **4.7** | 186 | 1.7 | 300 | | **B5/B14** |
| | **3.5** | 223 | 1.2 | 400 | | **B5/B14** |
| | **2.8** | 258 | 0.9 | 500 | | **B5/B14** |
| | **2.3** | 332 | 0.9 | 600 | | **B5/B14** |
| | **9.3** | 110 | 2.8 | 150 | **CMM** | **B5/B14** |
| | **7.0** | 138 | 1.9 | 200 | **040/063** | **B5/B14** |
| | **5.6** | 162 | 1.4 | 250 | | **B5/B14** |
| | **4.7** | 186 | 1.7 | 300 | | **B5/B14** |
| | **3.5** | 223 | 1.2 | 400 | | **B5/B14** |
| | **2.8** | 258 | 0.9 | 500 | | **B5/B14** |
| | **2.3** | 345 | 0.9 | 600 | | **B5/B14** |
| | **7.0** | 140 | 2.8 | 200 | **CMM** | **B5/B14** |
| | **5.6** | 168 | 2.0 | 250 | **040/070** | **B5/B14** |
| | **4.7** | 186 | 2.4 | 300 | | **B5/B14** |
| | **3.5** | 223 | 1.7 | 400 | | **B5/B14** |
| | **2.8** | 258 | 1.3 | 500 | | **B5/B14** |
| | **2.3** | 345 | 1.3 | 600 | | **B5/B14** |
| | **1.9** | 409 | 1.1 | 750 | | **B5/B14** |
| | **1.6** | 464 | 1.0 | 900 | | **B5/B14** |
| | **3.5** | 227 | 2.1 | 400 | **CMM** | **B5/B14** |
| | **2.8** | 258 | 1.6 | 500 | **040/075** | **B5/B14** |
| | **2.3** | 345 | 1.6 | 600 | | **B5/B14** |
| | **1.9** | 409 | 1.3 | 750 | | **B5/B14** |
| | **1.6** | 464 | 1.2 | 900 | | **B5/B14** |
| | **1.2** | 575 | 1.0 | 1200 | | **B5/B14** |
| | **2.8** | 278 | 2.5 | 500 | **CMM** | **B5/B14** |
| | **2.3** | 362 | 2.0 | 600 | **040/090** | **B5/B14** |
| | **1.9** | 429 | 1.6 | 750 | | **B5/B14** |
| | **1.6** | 487 | 1.8 | 900 | | **B5/B14** |
| | **1.2** | 603 | 1.3 | 1200 | | **B5/B14** |
| | **0.9** | 696 | 1.0 | 1500 | | **B5/B14** |
| | **0.8** | 808 | 1.2 | 1800 | | **B5/B14** |
| | **1.2** | 632 | 2.2 | 1200 | **CMM** | **B5/B14** |
| | **0.9** | 743 | 1.8 | 1500 | **050/110** | **B5/B14** |
| | **0.8** | 849 | 1.5 | 1800 | | **B5/B14** |
| | **0.6** | 1079 | 1.3 | 2400 | | **B5/B14** |
| | **0.5** | 1282 | 1.0 | 3000 | | **B5/B14** |
| | **0.9** | 802 | 2.6 | 1500 | **CMM** | **B5** |
| | **0.8** | 919 | 2.2 | 1800 | **063/130** | **B5** |
| | **0.6** | 1170 | 1.6 | 2400 | | **B5** |
| | **0.5** | 1416 | 1.1 | 3000 | | **B5** |

IEC

| Motori *Motors* | SMT | | SMM | | TS |
|---|---|---|---|---|---|
| | 5644 | 6324 | 5644 | 6324 | 6324 |
| IEC | 56 B14 | 63 B14 | 56 B14 | 56 B14 | 63 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.25 - IEC 56

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT5654 (1400 min$^{-1}$) | **9.3** | 153 | 0.9 | 150 | **CMM 026/050** | **B14** |
| SMT SMM | **19** | 82 | 1.0 | 75 | **CMM 030/040** | **B14** |
| | **19** | 83 | 1.9 | 75 | **CMM** | **B14** |
| | **14** | 109 | 1.4 | 100 | **030/050** | **B14** |
| | **9.3** | 155 | 1.0 | 150 | | **B14** |
| | **19** | 84 | 1.8 | 75 | **CMM** | **B14** |
| | **14** | 110 | 1.4 | 100 | **030/063** | **B14** |
| | **9.3** | 153 | 1.4 | 150 | | **B14** |
| | **7.0** | 192 | 1.4 | 200 | | **B14** |
| | **5.6** | 226 | 1.0 | 250 | | **B14** |
| | **4.7** | 258 | 1.2 | 300 | | **B14** |
| | **19** | 85 | 3.4 | 75 | **CMM** | **B14** |
| | **14** | 110 | 2.6 | 100 | **040/063** | **B14** |
| | **9.3** | 153 | 2.0 | 150 | | **B14** |
| | **7.0** | 192 | 1.4 | 200 | | **B14** |
| | **5.6** | 226 | 1.0 | 250 | | **B14** |
| | **4.7** | 258 | 1.2 | 300 | | **B14** |
| | **7.0** | 195 | 2.0 | 200 | **CMM** | **B14** |
| | **5.6** | 233 | 1.5 | 250 | **040/070** | **B14** |
| | **4.7** | 258 | 1.8 | 300 | | **B14** |
| | **3.5** | 309 | 1.2 | 400 | | **B14** |
| | **2.8** | 358 | 0.9 | 500 | | **B14** |
| | **2.3** | 479 | 0.9 | 600 | | **B14** |
| | **5.6** | 233 | 1.8 | 250 | **CMM** | **B14** |
| | **4.7** | 258 | 2.1 | 300 | **040/075** | **B14** |
| | **3.5** | 315 | 1.5 | 400 | | **B14** |
| | **2.8** | 358 | 1.1 | 500 | | **B14** |
| | **2.3** | 479 | 1.1 | 600 | | **B14** |
| | **1.9** | 568 | 1.0 | 750 | | **B14** |
| | **3.5** | 332 | 2.4 | 400 | **CMM** | **B14** |
| | **2.8** | 387 | 1.8 | 500 | **040/090** | **B14** |
| | **2.3** | 503 | 1.4 | 600 | | **B14** |
| | **1.9** | 596 | 1.2 | 750 | | **B14** |
| | **1.6** | 677 | 1.3 | 900 | | **B14** |
| | **1.2** | 838 | 0.9 | 1200 | | **B14** |

### 0.25 - IEC 63

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT6334 SMM6334 (1400 min$^{-1}$) | **19** | 82 | 1.0 | 75 | **CMM 030/040** | **B5/B14** |
| SMT SMM | **19** | 83 | 1.9 | 75 | **CMM** | **B5/B14** |
| | **14** | 109 | 1.4 | 100 | **030/050** | **B5/B14** |
| | **9.3** | 155 | 1.0 | 150 | | **B5/B14** |
| TS6334-B14 **TS6334-B5** (1400 min$^{-1}$) | **19** | 84 | 1.8 | 75 | **CMM** | **B5/B14** |
| | **14** | 110 | 1.4 | 100 | **030/063** | **B5/B14** |
| | **9.3** | 153 | 1.4 | 150 | | **B5/B14** |
| | **7.0** | 192 | 1.4 | 200 | | **B5/B14** |
| | **5.6** | 226 | 1.0 | 250 | | **B5/B14** |
| | **4.7** | 258 | 1.2 | 300 | | **B5/B14** |
| | **19** | 85 | 3.4 | 75 | **CMM** | **B5/B14** |
| | **14** | 110 | 2.6 | 100 | **040/063** | **B5/B14** |
| | **9.3** | 153 | 2.0 | 150 | | **B5/B14** |
| | **7.0** | 192 | 1.4 | 200 | | **B5/B14** |
| | **5.6** | 226 | 1.0 | 250 | | **B5/B14** |
| | **4.7** | 258 | 1.2 | 300 | | **B5/B14** |
| | **7.0** | 195 | 2.0 | 200 | **CMM** | **B5/B14** |
| | **5.6** | 233 | 1.5 | 250 | **040/070** | **B5/B14** |
| | **4.7** | 258 | 1.8 | 300 | | **B5/B14** |
| | **3.5** | 309 | 1.2 | 400 | | **B5/B14** |
| | **2.8** | 358 | 0.9 | 500 | | **B5/B14** |
| | **2.3** | 479 | 0.9 | 600 | | **B5/B14** |
| | **5.6** | 233 | 1.8 | 250 | **CMM** | **B5/B14** |
| | **4.7** | 258 | 2.1 | 300 | **040/075** | **B5/B14** |
| | **3.5** | 315 | 1.5 | 400 | | **B5/B14** |
| | **2.8** | 358 | 1.1 | 500 | | **B5/B14** |
| | **2.3** | 479 | 1.1 | 600 | | **B5/B14** |
| | **1.9** | 568 | 1.0 | 750 | | **B5/B14** |
| | **3.5** | 332 | 2.4 | 400 | **CMM** | **B5/B14** |
| | **2.8** | 387 | 1.8 | 500 | **040/090** | **B5/B14** |
| | **2.3** | 503 | 1.4 | 600 | | **B5/B14** |
| | **1.9** | 596 | 1.2 | 750 | | **B5/B14** |
| | **1.6** | 677 | 1.3 | 900 | | **B5/B14** |
| | **1.2** | 838 | 0.9 | 1200 | | **B5/B14** |
| | **2.8** | 420 | 3.0 | 500 | **CMM** | **B5/B14** |
| | **2.3** | 517 | 2.6 | 600 | **050/110** | **B5/B14** |
| | **1.9** | 622 | 2.1 | 750 | | **B5/B14** |
| | **1.6** | 707 | 2.3 | 900 | | **B5/B14** |
| | **1.2** | 878 | 1.6 | 1200 | | **B5/B14** |
| | **0.9** | 1031 | 1.3 | 1500 | | **B5/B14** |
| | **0.8** | 1179 | 1.1 | 1800 | | **B5/B14** |
| | **0.6** | 1498 | 1.0 | 2400 | | **B5/B14** |
| | **1.2** | 945 | 2.2 | 1200 | **CMM** | **B5** |
| | **0.9** | 1114 | 1.9 | 1500 | **063/130** | **B5** |
| | **0.8** | 1276 | 1.6 | 1800 | | **B5** |
| | **0.6** | 1624 | 1.1 | 2400 | | **B5** |

IEC

| Motori *Motors* | SMT | | SMM | TS |
|---|---|---|---|---|
| | **5654** | **6334** | **6334** | **6334** |
| **IEC** | **56 B14** | **63 B14** | **56 B14** | **63 B5 / B14** |

## Dati tecnici — *Technical data*

### 0.25 - IEC 71

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|---|
| TS7114 (1400 min$^{-1}$) | **19** | 85 | 3.4 | 75 | **CMM 040/063** | | **B5/B14** |
| | **14** | 110 | 2.6 | 100 | | | **B5/B14** |
| | **9.3** | 153 | 2.0 | 150 | | | **B5/B14** |
| | **7.0** | 192 | 1.4 | 200 | | | **B5/B14** |
| | **5.6** | 226 | 1.0 | 250 | | | **B5/B14** |
| | **4.7** | 258 | 1.2 | 300 | | | **B5/B14** |
| | **7.0** | 195 | 2.0 | 200 | **CMM 040/070** | | **B5/B14** |
| | **5.6** | 233 | 1.5 | 250 | | | **B5/B14** |
| | **4.7** | 258 | 1.8 | 300 | | | **B5/B14** |
| | **3.5** | 309 | 1.2 | 400 | | | **B5/B14** |
| | **2.8** | 358 | 0.9 | 500 | | | **B5/B14** |
| | **2.3** | 479 | 0.9 | 600 | | | **B5/B14** |
| | **5.6** | 233 | 1.8 | 250 | **CMM 040/075** | | **B5/B14** |
| | **4.7** | 258 | 2.1 | 300 | | | **B5/B14** |
| | **3.5** | 315 | 1.5 | 400 | | | **B5/B14** |
| | **2.8** | 358 | 1.1 | 500 | | | **B5/B14** |
| | **2.3** | 479 | 1.1 | 600 | | | **B5/B14** |
| | **1.9** | 568 | 1.0 | 750 | | | **B5/B14** |
| | **3.5** | 332 | 2.4 | 400 | **CMM 040/090** | | **B5/B14** |
| | **2.8** | 387 | 1.8 | 500 | | | **B5/B14** |
| | **2.3** | 503 | 1.4 | 600 | | | **B5/B14** |
| | **1.9** | 596 | 1.2 | 750 | | | **B5/B14** |
| | **1.6** | 677 | 1.3 | 900 | | | **B5/B14** |
| | **1.2** | 838 | 0.9 | 1200 | | | **B5/B14** |
| | **2.8** | 420 | 3.0 | 500 | **CMM 050/110** | | **B5/B14** |
| | **2.3** | 517 | 2.6 | 600 | | | **B5/B14** |
| | **1.9** | 622 | 2.1 | 750 | | | **B5/B14** |
| | **1.6** | 707 | 2.3 | 900 | | | **B5/B14** |
| | **1.2** | 878 | 1.6 | 1200 | | | **B5/B14** |
| | **0.9** | 1031 | 1.3 | 1500 | | | **B5/B14** |
| | **0.8** | 1179 | 1.1 | 1800 | | | **B5/B14** |
| | **0.6** | 1498 | 1.0 | 2400 | | | **B5/B14** |
| | **1.2** | 945 | 2.2 | 1200 | **CMM 063/130** | | **B5/B14** |
| | **0.9** | 1114 | 1.9 | 1500 | | | **B5/B14** |
| | **0.8** | 1276 | 1.6 | 1800 | | | **B5/B14** |
| | **0.6** | 1624 | 1.1 | 2400 | | | **B5/B14** |

### 0.37 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|---|
| SMT6344 (1400 min$^{-1}$) | **18.7** | 122 | 1.2 | 75 | **CMM 030/050** | | **B14** |
| | **14.0** | 161 | 0.9 | 100 | | | **B14** |
| | **18.7** | 124 | 1.2 | 75 | **CMM 030/063** | | **B14** |
| | **14.0** | 163 | 0.9 | 100 | | | **B14** |
| | **9.3** | 226 | 0.9 | 150 | | | **B14** |
| | **7.0** | 284 | 0.9 | 200 | | | **B14** |
| | **18.7** | 125 | 2.3 | 75 | **CMM 040/063** | | **B14** |
| | **14.0** | 163 | 1.8 | 100 | | | **B14** |
| | **9.3** | 226 | 1.3 | 150 | | | **B14** |
| | **7.0** | 284 | 0.9 | 200 | | | **B14** |

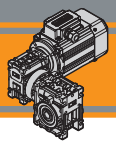
### 0.37 - IEC 63

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|---|
| SMT6344 (1400 min$^{-1}$) | **18.7** | 127 | 2.6 | 75 | **CMM 040/070** | | **B14** |
| | **14.0** | 165 | 2.0 | 100 | | | **B14** |
| | **9.3** | 229 | 1.9 | 150 | | | **B14** |
| | **7.0** | 288 | 1.4 | 200 | | | **B14** |
| | **5.6** | 345 | 1.0 | 250 | | | **B14** |
| | **4.7** | 382 | 1.2 | 300 | | | **B14** |
| | **9.3** | 232 | 2.0 | 150 | **CMM 040/075** | | **B14** |
| | **7.0** | 293 | 1.6 | 200 | | | **B14** |
| | **5.6** | 345 | 1.2 | 250 | | | **B14** |
| | **4.7** | 382 | 1.4 | 300 | | | **B14** |
| | **3.5** | 466 | 1.0 | 400 | | | **B14** |
| | **7.0** | 305 | 2.0 | 200 | **CMM 040/090** | | **B14** |
| | **5.6** | 366 | 1.9 | 250 | | | **B14** |
| | **4.7** | 401 | 2.0 | 300 | | | **B14** |
| | **3.5** | 492 | 1.7 | 400 | | | **B14** |
| | **2.8** | 572 | 1.2 | 500 | | | **B14** |
| | **2.3** | 744 | 1.0 | 600 | | | **B14** |
| | **1.9** | 882 | 0.8 | 750 | | | **B14** |
| | **1.6** | 1002 | 0.9 | 900 | | | **B14** |
| | **5.6** | 386 | 3.3 | 250 | **CMM 050/110** | | **B14** |
| | **4.7** | 412 | 3.9 | 300 | | | **B14** |
| | **3.5** | 523 | 2.8 | 400 | | | **B14** |
| | **2.8** | 622 | 2.0 | 500 | | | **B14** |
| | **2.3** | 766 | 1.7 | 600 | | | **B14** |
| | **1.9** | 921 | 1.4 | 750 | | | **B14** |
| | **1.6** | 1047 | 1.5 | 900 | | | **B14** |
| | **1.2** | 1299 | 1.1 | 1200 | | | **B14** |
| | **0.9** | 1526 | 0.9 | 1500 | | | **B14** |

### 0.37 - IEC 71

| | $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|---|
| SMT7124 SMM7124 (1400 min$^{-1}$) | **19** | 125 | 2.3 | 75 | **CMM 040/063** | | **B5/B14** |
| | **14** | 163 | 1.8 | 100 | | | **B5/B14** |
| | **9.3** | 226 | 1.3 | 150 | | | **B5/B14** |
| | **7.0** | 284 | 0.9 | 200 | | | **B5/B14** |
| TS7124-B14 **TS7124-B5** (1400 min$^{-1}$) | **19** | 127 | 2.6 | 75 | **CMM 040/070** | | **B5/B14** |
| | **14** | 165 | 2.0 | 100 | | | **B5/B14** |
| | **9.3** | 229 | 1.9 | 150 | | | **B5/B14** |
| | **7.0** | 288 | 1.4 | 200 | | | **B5/B14** |
| | **5.6** | 345 | 1.0 | 250 | | | **B5/B14** |
| | **4.7** | 382 | 1.2 | 300 | | | **B5/B14** |
| | **9.3** | 232 | 2.0 | 150 | **CMM 040/075** | | **B5/B14** |
| | **7.0** | 293 | 1.6 | 200 | | | **B5/B14** |
| | **5.6** | 345 | 1.2 | 250 | | | **B5/B14** |
| | **4.7** | 382 | 1.4 | 300 | | | **B5/B14** |
| | **3.5** | 466 | 1.0 | 400 | | | **B5/B14** |
| | **7.0** | 305 | 2.0 | 200 | **CMM 040/090** | | **B5/B14** |
| | **5.6** | 366 | 1.9 | 250 | | | **B5/B14** |
| | **4.7** | 401 | 2.0 | 300 | | | **B5/B14** |
| | **3.5** | 492 | 1.7 | 400 | | | **B5/B14** |
| | **2.8** | 572 | 1.2 | 500 | | | **B5/B14** |
| | **2.3** | 744 | 1.0 | 600 | | | **B5/B14** |
| | **1.9** | 882 | 0.8 | 750 | | | **B5/B14** |
| | **1.6** | 1002 | 0.9 | 900 | | | **B5/B14** |

| Motori *Motors* | SMT | | SMM | TS |
|---|---|---|---|---|
| | 6344 | 7124 | 7124 | 7114 7124 |
| IEC | 63 B14 | 71 B14 | 71 B14 | 71 B5 / B14 |



## Dati tecnici — *Technical data*

### 0.37 - IEC 71

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| SMT7124 | **5.6** | 386 | 3.3 | 250 | **CMM** | **B5/B14** |
| SMM7124 | **4.7** | 412 | 3.9 | 300 | **050/110** | **B5/B14** |
| (1400 min$^{-1}$) | **3.5** | 523 | 2.8 | 400 | | **B5/B14** |
| | **2.8** | 622 | 2.0 | 500 | | **B5/B14** |
| | **2.3** | 766 | 1.7 | 600 | | **B5/B14** |
| | **1.9** | 921 | 1.4 | 750 | | **B5/B14** |
| TS7124-B14 | **1.6** | 1047 | 1.5 | 900 | | **B5/B14** |
| TS7124-B5 | **1.2** | 1299 | 1.1 | 1200 | | **B5/B14** |
| (1400 min$^{-1}$) | **0.9** | 1526 | 0.9 | 1500 | | **B5/B14** |
| | **1.9** | 974 | 2.1 | 750 | **CMM** | **B5/B14** |
| | **1.6** | 1124 | 1.8 | 900 | **063/130** | **B5/B14** |
| | **1.2** | 1399 | 1.5 | 1200 | | **B5/B14** |
| | **0.9** | 1649 | 1.3 | 1500 | | **B5/B14** |
| | **0.8** | 1889 | 1.1 | 1800 | | **B5/B14** |

### 0.55 - IEC 71

| | | | | | | |
|---|---|---|---|---|---|---|
| SMT7134 | **19** | 186 | 1.5 | 75 | **CMM** | **B5/B14** |
| SMM7134 | **14** | 243 | 1.2 | 100 | **040/063** | **B5/B14** |
| (1400 min$^{-1}$) | **9.3** | 336 | 0.9 | 150 | | **B5/B14** |
| | **19** | 189 | 1.7 | 75 | **CMM** | **B5/B14** |
| | **14** | 246 | 1.4 | 100 | **040/070** | **B5/B14** |
| TS7134-B14 | **9.3** | 340 | 1.3 | 150 | | **B5/B14** |
| TS7134-B5 | **7.0** | 429 | 0.9 | 200 | | **B5/B14** |
| (1400 min$^{-1}$) | | | | | | |
| | **19** | 189 | 1.7 | 75 | **CMM** | **B5/B14** |
| | **14** | 246 | 1.4 | 100 | **040/075** | **B5/B14** |
| | **9.3** | 345 | 1.4 | 150 | | **B5/B14** |
| | **7.0** | 435 | 1.1 | 200 | | **B5/B14** |
| | **4.7** | 567 | 1.0 | 300 | | **B5/B14** |
| | **9.3** | 355 | 1.4 | 150 | **CMM** | **B5/B14** |
| | **7.0** | 454 | 1.4 | 200 | **040/090** | **B5/B14** |
| | **5.6** | 544 | 1.3 | 250 | | **B5/B14** |
| | **4.7** | 596 | 1.4 | 300 | | **B5/B14** |
| | **3.5** | 731 | 1.1 | 400 | | **B5/B14** |
| | **7.0** | 472 | 2.5 | 200 | **CMM** | **B5/B14** |
| | **5.6** | 574 | 2.3 | 250 | **050/110** | **B5/B14** |
| | **4.7** | 612 | 2.6 | 300 | | **B5/B14** |
| | **3.5** | 778 | 1.9 | 400 | | **B5/B14** |
| | **2.8** | 925 | 1.4 | 500 | | **B5/B14** |
| | **2.3** | 1138 | 1.2 | 600 | | **B5/B14** |
| | **1.9** | 1369 | 0.9 | 750 | | **B5/B14** |
| | **1.6** | 1556 | 1.0 | 900 | | **B5/B14** |
| | **3.5** | 813 | 2.2 | 400 | **CMM** | **B5/B14** |
| | **2.8** | 984 | 1.6 | 500 | **063/130** | **B5/B14** |
| | **2.3** | 1203 | 1.7 | 600 | | **B5/B14** |
| | **1.9** | 1449 | 1.4 | 750 | | **B5/B14** |
| | **1.6** | 1671 | 1.2 | 900 | | **B5/B14** |
| | **1.2** | 2080 | 1.0 | 1200 | | **B5/B14** |

### 0.55 - IEC 80

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| TS8014 | **19** | 198 | 3.1 | 75 | **CMM** | **B5/B14** |
| (1400 min$^{-1}$) | **14** | 258 | 2.5 | 100 | **050/110** | **B5/B14** |
| | **9.3** | 364 | 2.5 | 150 | | **B5/B14** |
| | **7.0** | 472 | 2.5 | 200 | | **B5/B14** |
| | **5.6** | 574 | 2.3 | 250 | | **B5/B14** |
| | **4.7** | 612 | 2.6 | 300 | | **B5/B14** |
| | **3.5** | 778 | 1.9 | 400 | | **B5/B14** |
| | **2.8** | 925 | 1.4 | 500 | | **B5/B14** |
| | **2.3** | 1138 | 1.2 | 600 | | **B5/B14** |
| | **1.9** | 1369 | 0.9 | 750 | | **B5/B14** |
| | **1.6** | 1556 | 1.0 | 900 | | **B5/B14** |
| | **3.5** | 813 | 2.2 | 400 | **CMM** | **B5/B14** |
| | **2.8** | 984 | 1.6 | 500 | **063/130** | **B5/B14** |
| | **2.3** | 1203 | 1.7 | 600 | | **B5/B14** |
| | **1.9** | 1449 | 1.4 | 750 | | **B5/B14** |
| | **1.6** | 1671 | 1.2 | 900 | | **B5/B14** |
| | **1.2** | 2080 | 1.0 | 1200 | | **B5/B14** |

### 0.75 - IEC 71

| | | | | | | |
|---|---|---|---|---|---|---|
| SMT7144 | **18.7** | 254 | 1.1 | 75 | **CMM** | **B5/B14** |
| (1400 min$^{-1}$) | **14.0** | 331 | 0.9 | 100 | **040/063** | **B5/B14** |
| | **18.7** | 257 | 1.3 | 75 | **CMM** | **B5/B14** |
| | **14.0** | 335 | 1.0 | 100 | **040/070** | **B5/B14** |
| TS7144-B14 | **9.3** | 464 | 0.9 | 150 | | **B5/B14** |
| TS7144-B5 | | | | | | |
| (1400 min$^{-1}$) | **18.7** | 257 | 1.3 | 75 | **CMM** | **B5/B14** |
| | **14.0** | 335 | 1.0 | 100 | **040/075** | **B5/B14** |
| | **9.3** | 471 | 1.0 | 150 | | **B5/B14** |
| | **9.3** | 483 | 1.0 | 150 | **CMM** | **B5/B14** |
| | **7.0** | 619 | 1.0 | 200 | **040/090** | **B5/B14** |
| | **5.6** | 741 | 1.0 | 250 | | **B5/B14** |
| | **4.7** | 812 | 1.0 | 300 | | **B5/B14** |
| | **9.3** | 496 | 1.8 | 150 | **CMM** | **B5/B14** |
| | **7.0** | 644 | 1.8 | 200 | **050/110** | **B5/B14** |
| | **5.6** | 783 | 1.7 | 250 | | **B5/B14** |
| | **4.7** | 835 | 1.9 | 300 | | **B5/B14** |
| | **3.5** | 1061 | 1.4 | 400 | | **B5/B14** |
| | **2.8** | 1261 | 1.0 | 500 | | **B5/B14** |
| | **2.3** | 1552 | 0.9 | 600 | | **B5/B14** |
| | **7.0** | 660 | 2.7 | 200 | **CMM** | **B5/B14** |
| | **5.6** | 803 | 2.0 | 250 | **063/130** | **B5/B14** |
| | **4.7** | 871 | 2.4 | 300 | | **B5/B14** |
| | **3.5** | 1109 | 1.6 | 400 | | **B5/B14** |
| | **2.8** | 1342 | 1.2 | 500 | | **B5/B14** |
| | **2.3** | 1641 | 1.3 | 600 | | **B5/B14** |
| | **1.9** | 1975 | 1.0 | 750 | | **B5/B14** |
| | **1.6** | 2279 | 0.9 | 900 | | **B5/B14** |

IEC

| Motori *Motors* | SMT | SMM | TS | |
|---|---|---|---|---|
| | 7124<br>7134<br>7144 | 7124<br>7134 | 7124<br>7134<br>7144 | 8014 |
| IEC | 71 B14 | 56 B14 | 71 B5 / B14 | 80 B5 / B14 |

## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| **0.75 - IEC 80** | | | | | | |
| SMT8024 IE3<br>SMM8024<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS8024-B14<br>TS8024-B5<br>(1400 min$^{-1}$) | **19** | 270 | 2.3 | 75 | **CMM 050/110** | B5/B14 |
| | **14** | 352 | 1.8 | 100 | | B5/B14 |
| | **9.3** | 496 | 1.8 | 150 | | B5/B14 |
| | **7.0** | 644 | 1.8 | 200 | | B5/B14 |
| | **5.6** | 783 | 1.7 | 250 | | B5/B14 |
| | **4.7** | 835 | 1.9 | 300 | | B5/B14 |
| | **3.5** | 1061 | 1.4 | 400 | | B5/B14 |
| | **2.8** | 1261 | 1.0 | 500 | | B5/B14 |
| | **2.3** | 1552 | 0.9 | 600 | | B5/B14 |
| | **7.0** | 660 | 2.7 | 200 | **CMM 063/130** | B5/B14 |
| | **5.6** | 803 | 2.0 | 250 | | B5/B14 |
| | **4.7** | 871 | 2.4 | 300 | | B5/B14 |
| | **3.5** | 1109 | 1.6 | 400 | | B5/B14 |
| | **2.8** | 1342 | 1.2 | 500 | | B5/B14 |
| | **2.3** | 1641 | 1.3 | 600 | | B5/B14 |
| | **1.9** | 1975 | 1.0 | 750 | | B5/B14 |
| | **1.6** | 2279 | 0.9 | 900 | | B5/B14 |
| **1.1 - IEC 80** | | | | | | |
| SMT8034 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS8034-B14<br>TS8034-B5<br>(1400 min$^{-1}$) | **19** | 397 | 1.6 | 75 | **CMM 050/110** | B5/B14 |
| | **14** | 517 | 1.3 | 100 | | B5/B14 |
| | **9.3** | 727 | 1.3 | 150 | | B5/B14 |
| | **7.0** | 944 | 1.3 | 200 | | B5/B14 |
| | **5.6** | 1148 | 1.1 | 250 | | B5/B14 |
| | **4.7** | 1225 | 1.3 | 300 | | B5/B14 |
| | **3.5** | 1556 | 0.9 | 400 | | B5/B14 |
| | **7.0** | 968 | 1.9 | 200 | **CMM 063/130** | B5/B14 |
| | **5.6** | 1178 | 1.4 | 250 | | B5/B14 |
| | **4.7** | 1278 | 1.6 | 300 | | B5/B14 |
| | **3.5** | 1626 | 1.1 | 400 | | B5/B14 |
| | **2.3** | 2407 | 0.9 | 600 | | B5/B14 |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | | IEC |
|---|---|---|---|---|---|---|
| **1.1 - IEC 90** | | | | | | |
| TS90S4<br>(1400 min$^{-1}$)<br>SMT SMM | **19** | 406 | 2.8 | 75 | **CMM 063/130** | B5/B14 |
| | **14** | 529 | 2.2 | 100 | | B5/B14 |
| | **9.3** | 745 | 2.2 | 150 | | B5/B14 |
| | **7.0** | 968 | 1.9 | 200 | | B5/B14 |
| | **5.6** | 1178 | 1.4 | 250 | | B5/B14 |
| | **4.7** | 1278 | 1.6 | 300 | | B5/B14 |
| | **3.5** | 1626 | 1.1 | 400 | | B5/B14 |
| | **2.3** | 2407 | 0.9 | 600 | | B5/B14 |
| **1.5 - IEC 90** | | | | | | |
| SMT9024 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS90L14-B14<br>TS90L14-B5<br>(1400 min$^{-1}$) | **19** | 554 | 2.0 | 75 | **CMM 063/130** | B5/B14 |
| | **14** | 722 | 1.6 | 100 | | B5/B14 |
| | **9.3** | 1016 | 1.6 | 150 | | B5/B14 |
| | **7.0** | 1320 | 1.4 | 200 | | B5/B14 |
| | **5.6** | 1606 | 1.0 | 250 | | B5/B14 |
| | **4.7** | 1742 | 1.2 | 300 | | B5/B14 |
| **2.2 - IEC 90** | | | | | | |
| SMT9034 IE3<br>(1400 min$^{-1}$)<br>SMT SMM<br>TS90L24-B14<br>TS90L24-B5<br>(1400 min$^{-1}$) | **19** | 812 | 1.4 | 75 | **CMM 063/130** | B5/B14 |
| | **14** | 1058 | 1.1 | 100 | | B5/B14 |
| | **9.3** | 1491 | 1.1 | 150 | | B5/B14 |
| | **7.0** | 1936 | 0.9 | 200 | | B5/B14 |

IEC

| Motori *Motors* | SMT | | SMM | TS | |
|---|---|---|---|---|---|
| | 8034 | 9024<br>9034 | 8024 | 8024<br>8034 | 90S4<br>90L14<br>90L24 |
| IEC | 80 B14 | 90 B14 | 80 B14 | 80 B5 / B14 | 90 B5 / B14 |

## Dati tecnici elettrici — *Electrical technical data*

Si prega di consultare il paragrafo dedicato: — *Please see the dedicated paragraph:*

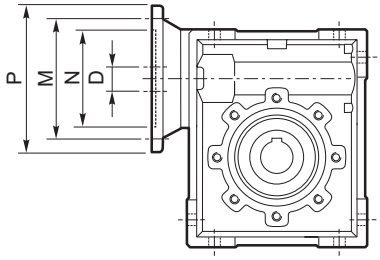
SMT SMM → N3 pag.

TS → R3 pag.

## Motori applicabili

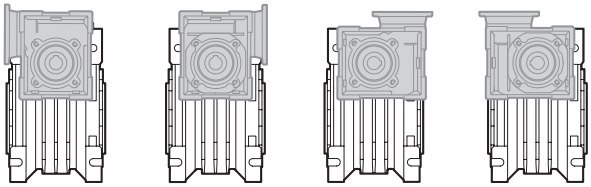
## *IEC Motor adapters*

| CMM | SMT | | | | | | SMM | | | | | TS | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 5014 5024 5034 5044 | 5624 5634 5444 5654 | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 9024 9034 | 5014 5024 5034 | 5624 5634 5654 | 6324 6334 | 7124 7134 | 8024 | 5624 | 6314 6324 6334 | 7114 7124 7134 7144 | 8024 8034 | 90S4 90L14 90L24 |
| 026/... | | | | | | | | | | | | | | | | |
| 030/... | | | | | | | | | | | | | | | | |
| 040/... | | | | | | | | | | | | | | | | |
| 050/110 | | | | | | | | | | | | | | | | |
| 063/130 | | | | | | | | | | | | | | | | |



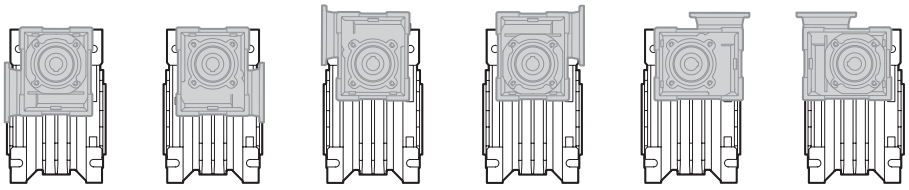

N.B.
Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.
*Grey areas indicate motor inputs available on each size of unit.*

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



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

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

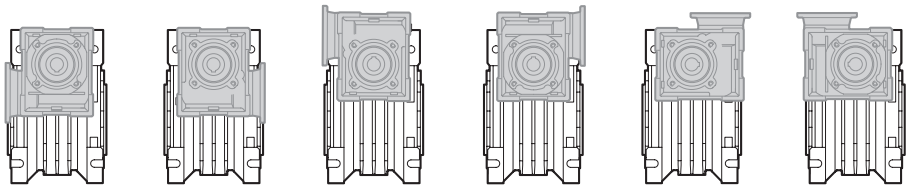


**UB1** **UB2** **US1** **US2** **UV1** **UV2**

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

## Motori applicabili

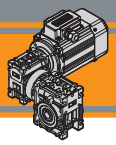
*IEC Motor adapters*



UB1 UB2 US1 US2 UV1 UV2

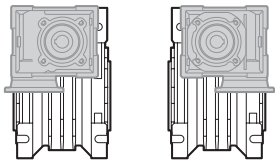
| CMM | IEC | N | M | P | D | $i_1$ | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | 7.5 | 10 | 15 | 20 | 25 | 30 | 40 | 50 | 60 |
| 030/040 030/050 030/063 | 63B5 | 95 | 115 | 140 | 11 | | | | | | | | | |
| | 63B14 | 60 | 75 | 90 | | | | | | | | | | |
| |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

(*) Posizioni US1 e US2 non disponibili per CMM 040/090.
*Positions US1 and US2 not available for CMM 040/090.*



## Motori applicabili

*IEC Motor adapters*



UC1 UC2

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

## Dimensioni — *Dimensions*

| | CMM..U - CMM..F... | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | C | D H8 | E | F | G | G1 | H | H1 | I | I1 | K | L | M | N h8 | N1 | N2 |
| 026/026 (D11) | 45 | 70 | 11 | 83 | 22 | 47.5 | 50 | 35 | 34 | 26 | 26 | 34 | 42 | 55 | 45 | 22.5 | 21 |
| 026/026 | | | 12 | | | | | | | | | | | | | | |
| 026/026 (D14) | | | 14 | | | | | | | | | | | | | | |
| 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 |

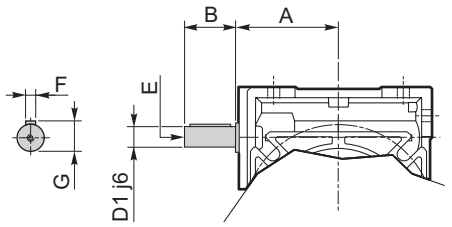
| | CMM..U - CMM..F... | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | O | P | Q | R | R1 | S | T | V | Z | KE | a | b | t | Kg (*) |
| 026/026 (D11) | 6 | — | 37 | 49 | 49 | 5 | 15 | 21 | 76 | 7 | — | 4 | 12.8 | 1.6 |
| 026/026 | | | | | | | | | | | | 4 | 13.8 | |
| 026/026 (D14) | | | | | | | | | | | | 5 | 16.2 | |
| 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 |

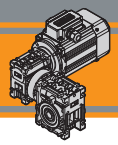
(*) **Nota:** Il peso in kg si riferisce al solo riduttore
***Note:*** *The weight in kg is referred to only he gearmotor*

| | CMM..F | | | | | | | | CMM..F28 | | | | | | | | CMM..F30 | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 (D11) 026/026 026/026 (D14) | 45° | 45 | 6 | 4.5 | 55-69 | 40 | 6.5(n.4) | 75 | 70 | 44 | 6.5 | 5 | 56-64 | 40 | 6.5 | 70 | 60 | 48 | 6.5 | 5 | 68 | 50 | 6.5 | 80 | 70 |

| | 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 |
| 026/030 | 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 |

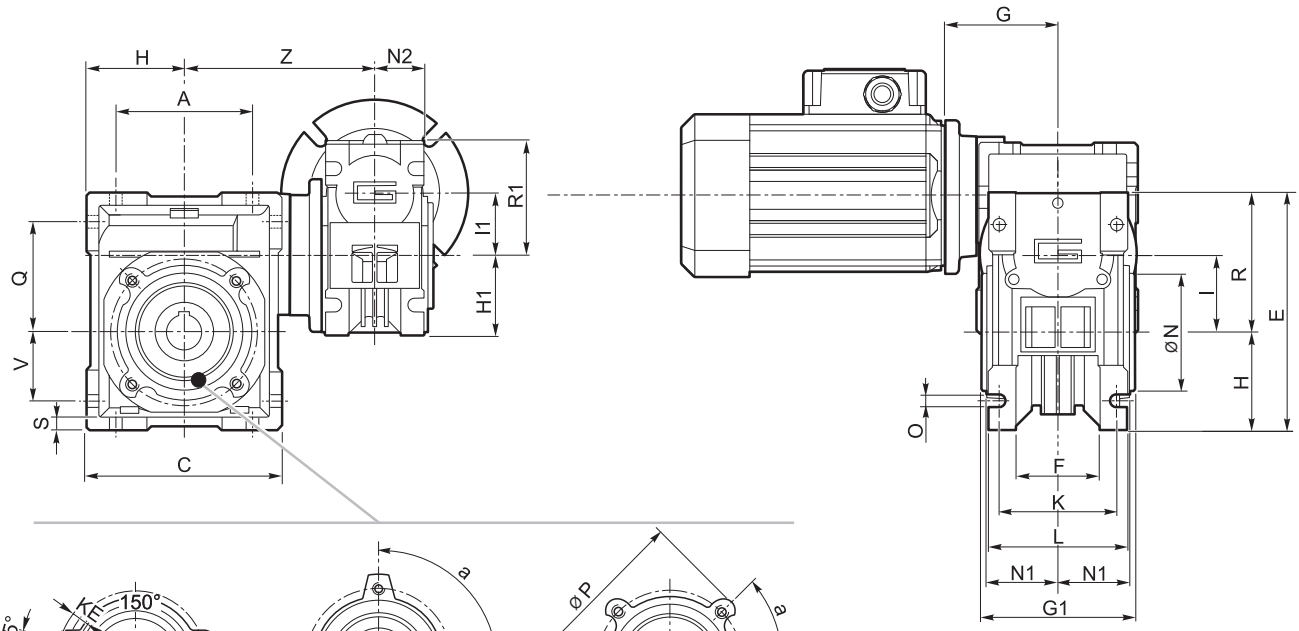
| | CMMIS | | | | | |
|---|---|---|---|---|---|---|
| | A | B | D1 j6 | E | F | M |
| 026/026 026/030 026/040 026/050 | 45 | 20 | 9 | M4 | 3 | 10.2 |

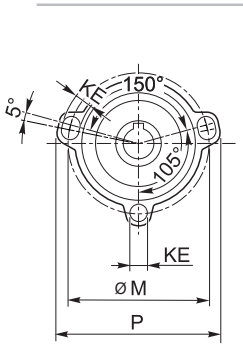




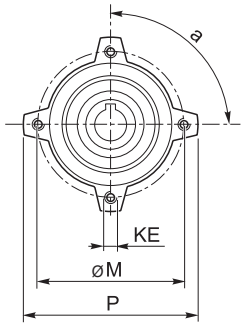
## Dimensioni — *Dimensions*

### CMM 026/... U

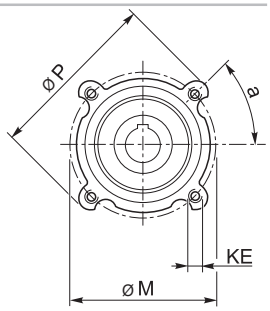


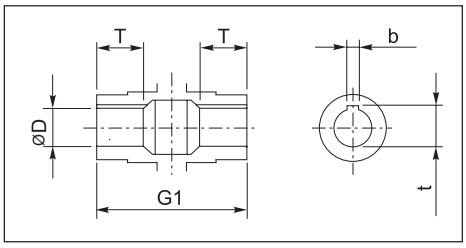

**CMM 026/026**




**CMM 026/030**

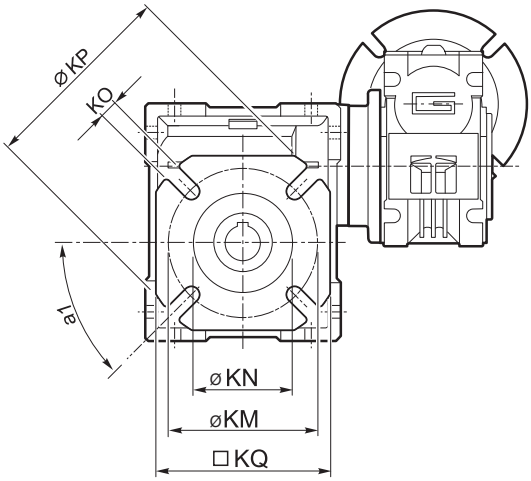



**CMM 026/040**
**CMM 026/050**

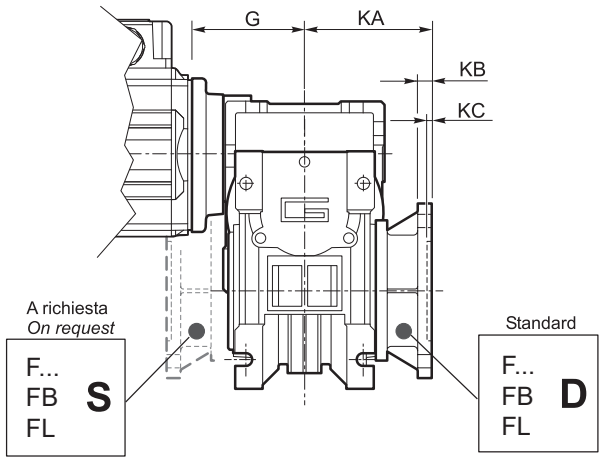



Albero lento cavo / *Hollow output shaft*

SMT SMM 50 ... 56 → N4 pag.
TS 56 → R4 pag.




**CMM026/026 F - F28 - F30**
**CMM026/..F - FB - FL**



## Dimensioni — *Dimensions*

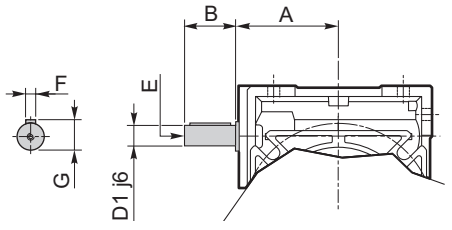
| | CMM.. - CMM..F - CMM..FB - CMM..FL | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | C | D H8 | E | F | G | G1 | H | H1 | I | I1 | K | L | M | N h8 | N1 | N2 |
| 030/040 | 70 | 100 | 18 | 121.5 | 43 | 55 | 78 | 50 | 40 | 40 | 30 | 60 | 71 | 75 | 60 | 36.5 | 29 |
| 030/050 | 80 | 120 | 25 | 144 | 49 | 55 | 92 | 60 | 40 | 50 | 30 | 70 | 85 | 85 | 70 | 43.5 | 29 |
| 030/063 | 100 | 144 | 25 | 174 | 67 | 55 | 112 | 72 | 40 | 63 | 30 | 85 | 104 | 95 | 80 | 53 | 29 |
| 040/063 | 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 |

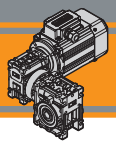
| | CMM.. - CMM..F - CMM..FB - CMM..FL | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | O | P | Q | R | R1 | S | T | V | Z | KE | a | b | t | Kg (*) |
| 030/040 | 6.5 | 87 | 55 | 71.5 | 57 | 6.5 | 26 | 35 | 122 | M6x8(n.4) | 45° | 6 | 20.8 (21.8) | 3.9 |
| 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 |

(*) **Nota:** Il peso in kg si riferisce al solo riduttore
***Note:*** *The weight in kg is referred to only he gearmotor*

| | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |

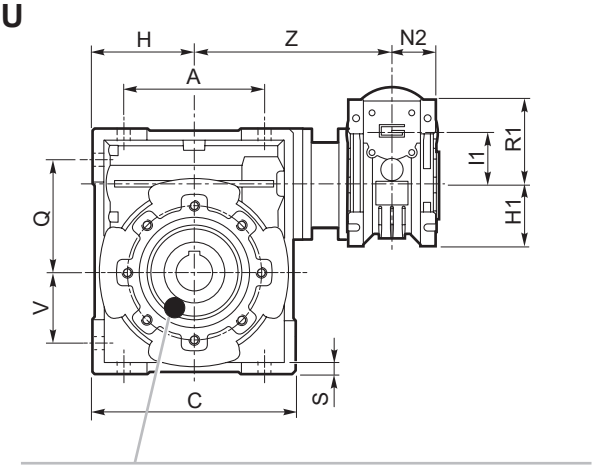
| | CMMIS | | | | | |
|---|---|---|---|---|---|---|
| | A | B | D1 j6 | E | F | M |
| 030/040 030/050 030/063 | 51 | 20 | 9 | M4 | 3 | 10.2 |
| 040/063 040/070 040/075 040/090 | 66 | 23 | 11 | M5 | 4 | 12.5 |
| 050/110 | 76 | 30 | 14 | M6 | 5 | 16 |
| 063/130 | 94.5 | 40 | 19 | M6 | 6 | 21.5 |

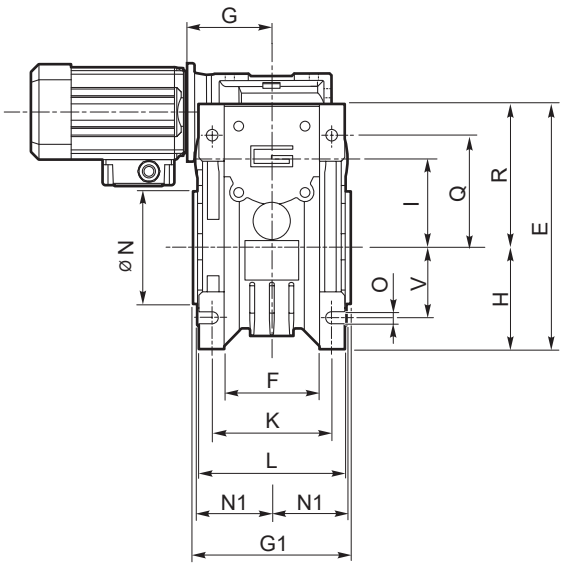


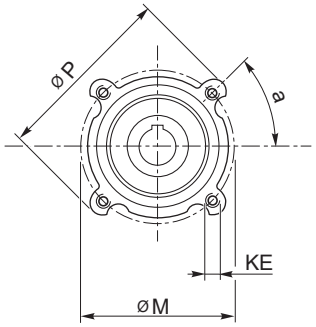


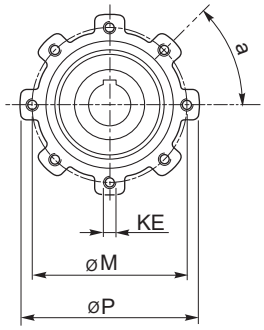


## CMM..U



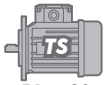

**CMM 030/040**
**CMM 030/050**

**CMM 030/063 CMM 040/063**
**CMM 040/070 CMM 040/075**
**CMM 040/090 CMM 050/110**
**CMM 063/130**



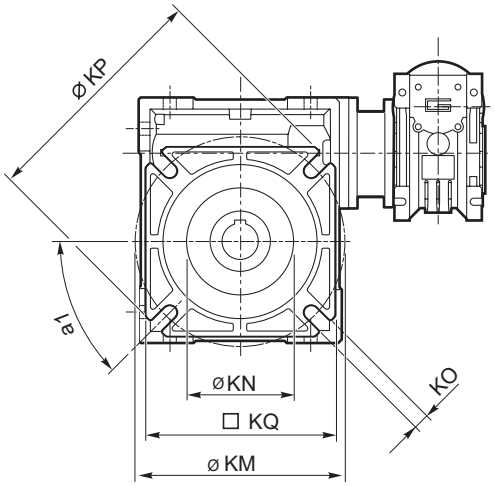

**50 ... 90**

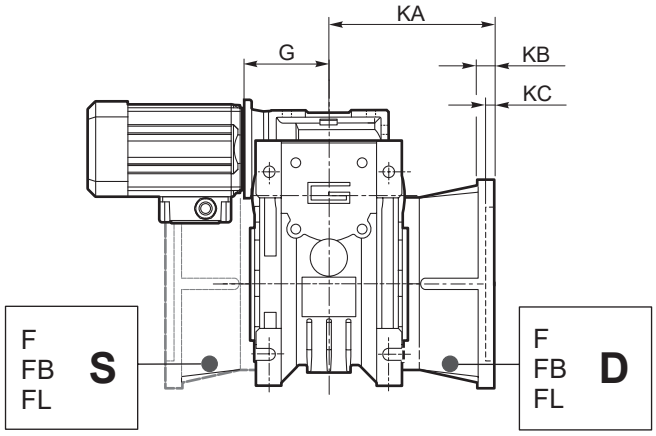
N4 pag.




**56 ... 90**

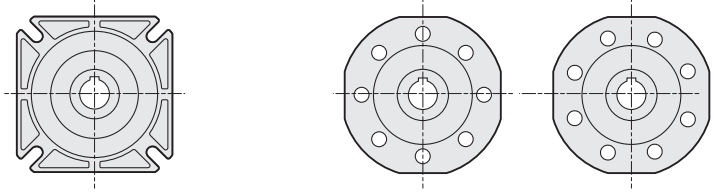
R4 pag.

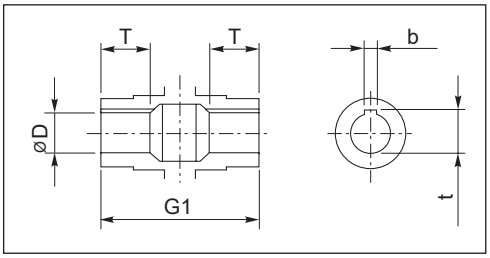



**CMM..F** (../030 - ../090)
**CMM..FB** (../040 - ../063)
**CMM..FL** (../040 - ../063)

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





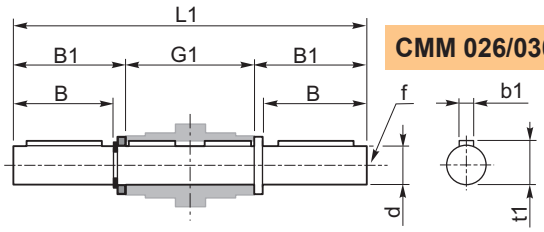

Albero lento cavo / *Hollow output shaft*

## Accessori — *Accessories*

### Albero lento semplice e doppio

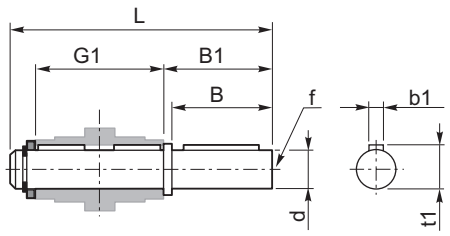
### *Single and double output shaft*

**DZ**

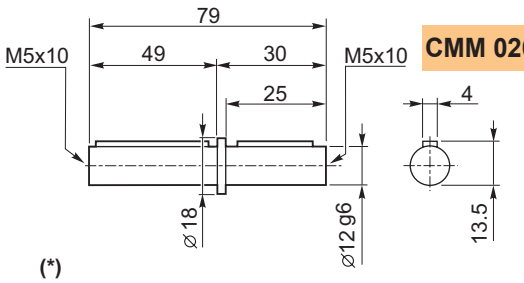



**CMM 026/030 - CMM 063/130**

**SZ**




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



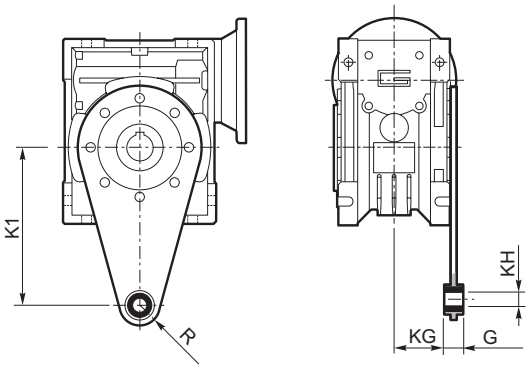

**CMM 026/026 (*)**

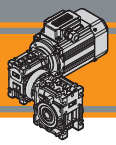
**(*)**
**Nota:** disponibile solo per cavo uscita Ø12
***Note:*** *available for output hollow shaft Ø12 only*

### Braccio di reazione

### *Torque arm*

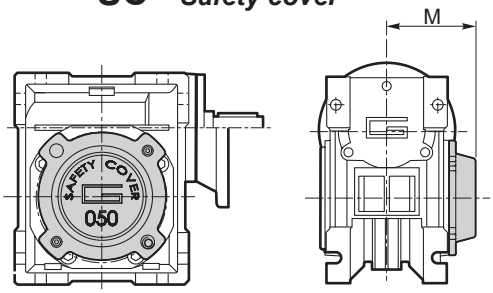
| CMM | K1 | G | KG | KH | R |
|---|---|---|---|---|---|
| 026/030 | 85 | 14 | 23 | 8 | 15 |
| 026/040<br>030/040 | 100 | 14 | 31 | 10 | 18 |
| 026/050<br>030/050 | 100 | 14 | 38 | 10 | 18 |
| 030/063<br>040/063 | 150 | 14 | 47.5 | 10 | 18 |
| 040/070 | 200 | 25 | 46.5 | 20 | 30 |
| 040/075 | 200 | 25 | 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 |





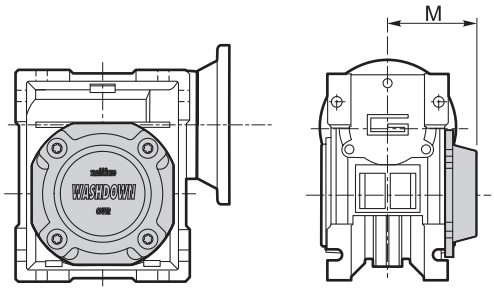
## Accessori — *Accessories*

### SC - *Safety cover*




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

### WD - *Kit washdown cover*

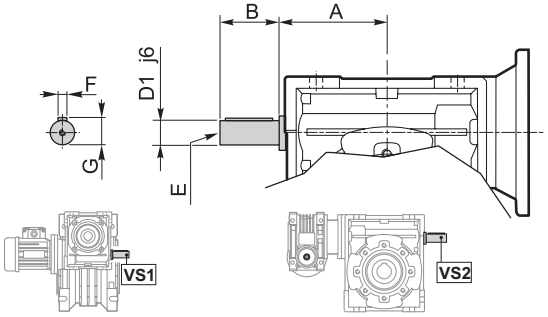



| | CM | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | 026 (*) | 30 | 40 | 50 | 63 | 70 | 75 | 90 | 110 |
| M | 37.5 | 48 | 55.5 | 63.5 | 71.5 | 76 | 80 | 95 | 103 |

(*)
**Nota:** Viti escluse dalla fornitura
***Note:*** *Screws not provided*

## Opzioni — *Options*

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




| CMM | VS1 | | | | | | VS2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | A | B | $D_1$ j6 | E | F | G | A | B | $D_1$ j6 | E | F | G |
| 026/030 | — | — | — | — | — | — | 45 | 20 | 9 | M4 | 3 | 10.2 |
| 026/040 | — | — | — | — | — | — | 53 | 23 | 11 | M5 | 4 | 12.5 |
| 026/050 | — | — | — | — | — | — | 64 | 30 | 14 | M6 | 5 | 16 |
| 030/040 | 45 | 20 | 9 | M4 | 3 | 10.2 | 53 | 23 | 11 | M5 | 4 | 12.5 |
| 030/050 | 45 | 20 | 9 | M4 | 3 | 10.2 | 64 | 30 | 14 | M6 | 5 | 16 |
| 030/063 | 45 | 20 | 9 | M4 | 3 | 10.2 | 75 | 40 | 19 | M6 | 6 | 21.5 |
| 040/063 | 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 | — | — | — | — | — | — |

Costruito su richiesta
*Built on request*

TRANSTECNO®
the modular gearmotor

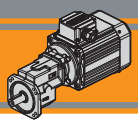
# PU

PU

PU Alu

## Motoriduttori ad ingranaggi cilindrici monostadio
## Single stage helical gearmotors





ENERGY SAVING


| Indice | *Index* | Pag. *Page* |
|---|---|---|
| Caratteristiche tecniche | *Technical features* | **L2** |
| Designazione | *Classification* | **L2** |
| Sensi di rotazione | *Direction of rotation* | **L3** |
| Lubrificazione | *Lubrication* | **L3** |
| Carichi radiali | *Radial loads* | **L3** |
| Simbologia | *Symbols* | **L3** |
| Dati tecnici | *Technical data* | **L4** |
| Motori applicabili | *IEC Motor adapters* | **L5** |
| Dimensioni | *Dimensions* | **L6** |




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## Caratteristiche tecniche

## *Technical features*

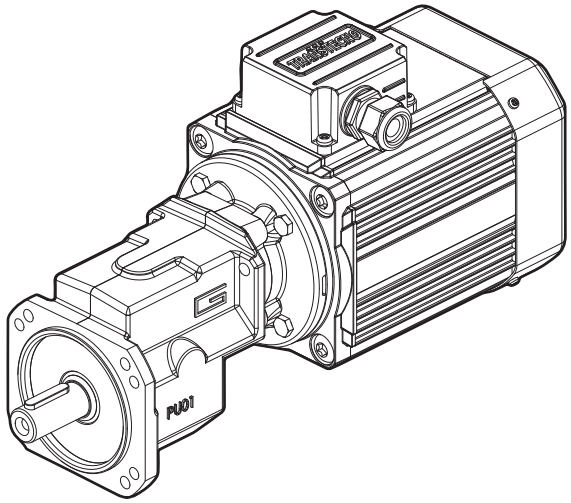
I motoriduttori monostadio ad ingranaggi cilindrici della serie PU hanno le seguenti caratteristiche principali:

- Carcassa, flangia entrata e flangia uscita in pressofusione di alluminio;
- Ingranaggi cilindrici a denti elicoidali, induriti e rettificati;
- Lubrificazione permanente con olio sintetico.

*PU single stage helical gearmotor range has the following main features:*

- *Die-cast aluminium housings, input and output flanges;*
- *Ground-hardened helical gears;*
- *Permanent synthetic oil long-life lubrication.*

ENERGY SAVING

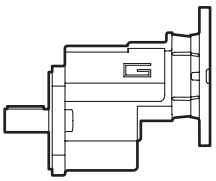


## Designazione

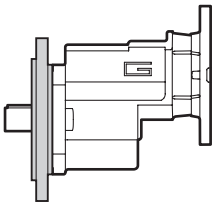
## *Classification*

RIDUTTORE / *GEARBOX*

| PU | 01 | FT1 | 5.70 | 71 | B5 | O3 |
|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Versione *Version* | Rapporto *Ratio* | IEC | Forma costruttiva *Version* | Diam. Albero uscita *Output shaft diam.* |
| PU | 01 | U<br>FT1<br>FT2<br>FT3 | 5.70<br>8.57 | 63<br>71<br>80 | B5<br>B14 | |



U



FT..

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMT | N1 pag. | 1-2-3-4-5 | 4 | 0.04 kW<br>...<br>2.2 kW | B14 | 230-400 V<br>460V | 50Hz<br>60Hz | TEFC<br>TENV | O1<br>P1<br>Q1<br>pag. | T1 (Std)<br>T4 T2<br>T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

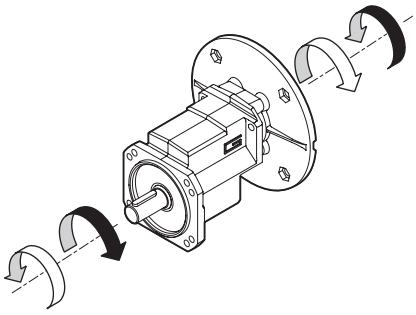
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMM | N1 pag. | 1-2-3-4 | 4 | 0.04 kW<br>...<br>0.75 kW | B14 | 230V | 50Hz | TEFC<br>TENV | Q1 pag. | T1 (Std)<br>T4 T2<br>T3 |

## Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| **TS** | R1 pag. | **1-2-3-S L1-L2** | **4** | **0.09 kW ... 2.2 kW** | **B5 B14** | **3 ph** | **230-400 V 275-480 V** | **50Hz 60Hz** | **T1** (Std) T4 T2 T3 |

## Sensi di rotazione — *Direction of rotation*

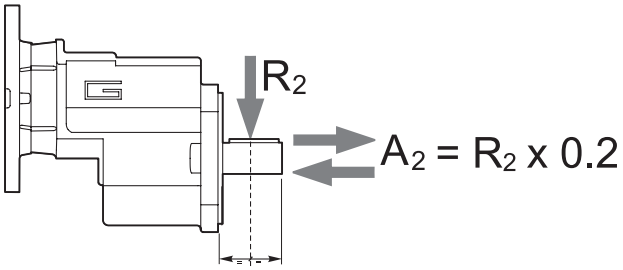


## Lubrificazione — *Lubrication*

Tutti i motoriduttori della serie PU 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 PU range in all mounting positions.*

## Carichi radiali — *Radial loads*




| $n_2$ [$min^{-1}$] | $R_2$ [N] |
|---|---|
| | **PU 01** |
| 500 | 643 |
| 400 | 693 |
| 300 | 763 |
| 250 | 810 |
| 200 | 873 |
| 150 | 961 |
| 100 | 1100 |

## Simbologia — *Symbols*

| | | |
|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* |
| i | | Rapporto di riduzione / *Ratio* |
| $P_1$ | [kW] | Potenza in entrata / *Input power* |
| $M_2$ | [Nm] | Coppia nominale in uscita in funzione di $P_1$ / *Output torque referred to $P_1$* |
| sf | | Fattore di servizio / *Service factor* |
| $R_2$ | [N] | Carico radiale ammissibile in uscita / *Permitted output radial load* |
| $A_2$ | [N] | Carico assiale ammissibile in uscita / *Permitted output axial load* |
| Kg | [kg] | Peso del solo riduttore / *Weight of the gearbox only* |

## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.12** | | | | | |
| TS6314 (1400 min$^{-1}$) | **246** | 4.5 | 11.0 | 5.70 | **PU01** |
| | **163** | 6.8 | 5.9 | 8.57 | |
| **0.18** | | | | | |
| SMT6324 SMM6324 (1400 min$^{-1}$) | **246** | 6.7 | 7.4 | 5.70 | **PU01** |
| | **163** | 10 | 3.9 | 8.57 | **PU01** |
| TS6324 | | | | | |
| **0.25** | | | | | |
| SMT6334 SMM6334 (1400 min$^{-1}$) | **246** | 9.4 | 5.3 | 5.70 | **PU01** |
| | **163** | 14 | 2.8 | 8.57 | **PU01** |
| TS6334 TS7114 (1400 min$^{-1}$) | | | | | |
| **0.37** | | | | | |
| SMT6344 SMT7124 SMM7124 (1400 min$^{-1}$) | **246** | 14 | 3.6 | 5.70 | **PU01** |
| | **163** | 21 | 1.9 | 8.57 | **PU01** |
| TS7124 (1400 min$^{-1}$) | | | | | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.55** | | | | | |
| SMT7134 SMM7134 (1400 min$^{-1}$) | **246** | 21 | 2.4 | 5.70 | **PU01** |
| | **163** | 31 | 1.3 | 8.57 | **PU01** |
| TS7134 TS8014 (1400 min$^{-1}$) | | | | | |
| **0.75** | | | | | |
| SMT7144 SMT8024 IE3 SMM8024 (1400 min$^{-1}$) | **246** | 28 | 1.8 | 5.70 | **PU01** |
| | **163** | 42 | 0.9 | 8.57 | **PU01** |
| TS7144 TS8024 (1400 min$^{-1}$) | | | | | |
| **1.1** | | | | | |
| SMT8034 IE3 (1400 min$^{-1}$) | **246** | 41 | 1.2 | 5.70 | **PU01** |
| TS8034 (1400 min$^{-1}$) | | | | | |

IEC

| Motori *Motors* | SMT | | | SMM | | | TS | | |
|---|---|---|---|---|---|---|---|---|---|
| | 6324 6334 6344 | 7124 7134 7144 | 8024 8034 | 6324 6334 | 7124 7134 | 8024 | 6314 6324 6334 | 7114 7124 7134 | 8014 |
| IEC | 63 B14 | 71 B14 | 80 B14 | 63 B14 | 71 B14 | 80 B14 | 63 B5 / B14 | 71 B5 / B14 | 80 B5 / B14 |

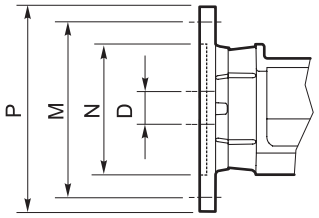
## Dati tecnici elettrici / *Electrical technical data*

Si prega di consultare il paragrafo dedicato: / *Please see the dedicated paragraph:*

SMT SMM → N4 pag.
TS → R3 pag.

## Motori applicabili / *IEC Motor adapters*

| PU | SMT | | | SMM | | | TS | | |
|---|---|---|---|---|---|---|---|---|---|
| | 6324<br>6334<br>6344 | 7124<br>7134<br>7144 | 8024<br>8034 | 6324<br>6334 | 7124<br>7134 | 8024 | 6314<br>6324<br>6334 | 7114<br>7124<br>7134<br>7144 | 8024<br>8034 |
| 01 | | | | | | | | | |

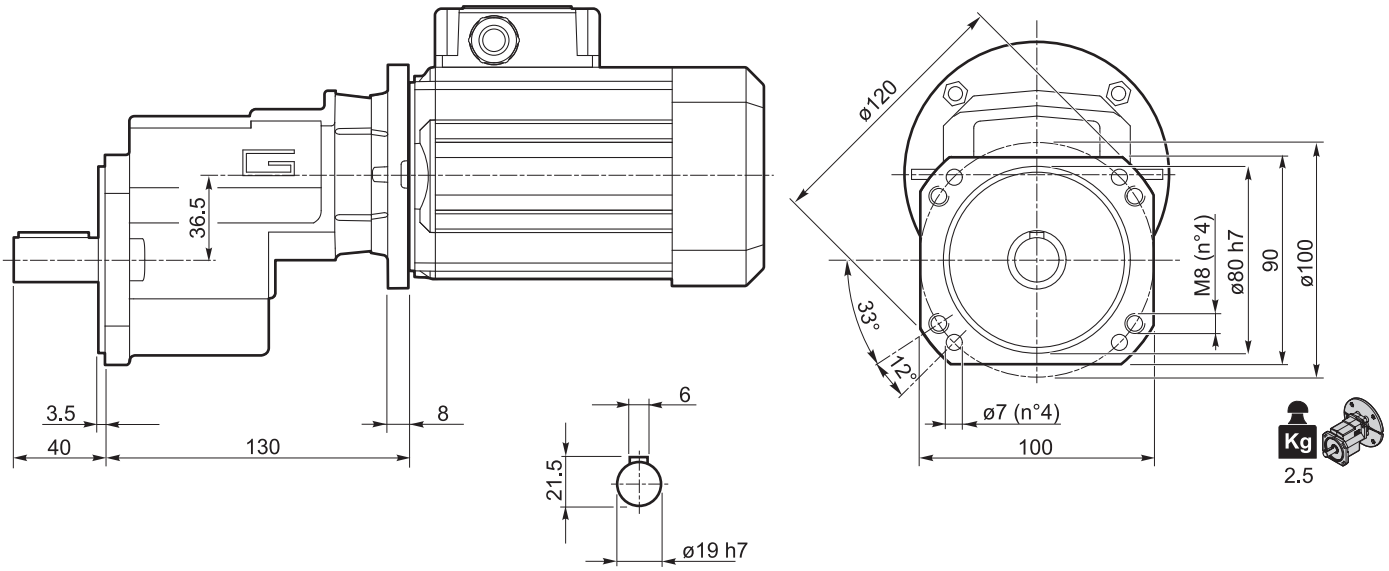



| | IEC | N | M | P | D | i (rapporto / *ratio*) | |
|---|---|---|---|---|---|---|---|
| | | | | | | 5.70 | 8.57 |
| PU01 | 80 B5 | 130 | 165 | 200 | 19 | | |
| | 80 B14 | 80 | 100 | 120 | | | |
| | 71 B5 | 110 | 130 | 160 | 14 | B | |
| | 71 B14 | 70 | 85 | 105 | | | |
| | 63 B5 | 95 | 115 | 140 | 11 | BS | |
| | 63 B14 | 60 | 75 | 90 | | | |

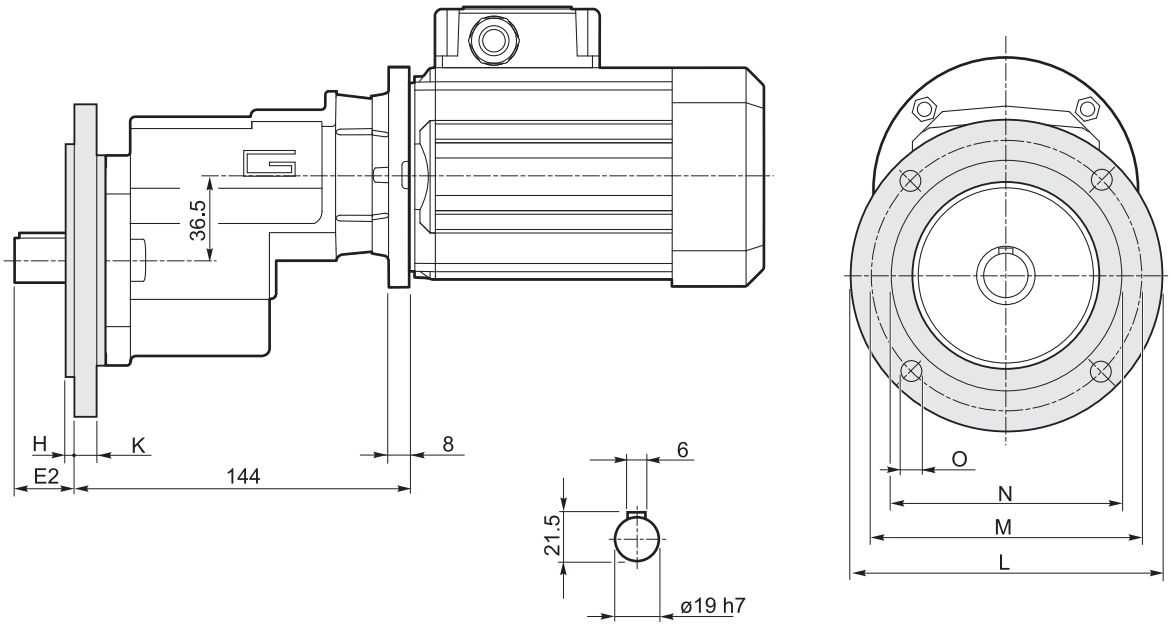
**B/BS = Boccola di riduzione in acciaio**
***B/BS = Metal shaft sleeve***

## Dimensioni — *Dimensions*

### PU01 U




### PU01 FT..




| | | Versione / *Version* | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | $E_2$ | H | K | L | M | N f7 | O | Peso / *Weight* [kg] |
| PU01 | FT1 | 26 | 3 | 10 | 140 | 115 | 95 | M8 | 0.3 |
| | FT2 | 26 | 3.5 | 10 | 160 | 130 | 110 | 9 | 0.4 |
| | FT3 | 26 | 3.5 | 10 | 200 | 165 | 130 | 11 | 0.5 |

SMT SMM 63 ... 80 → N4 pag.
TS 63 ... 80 → R4 pag.

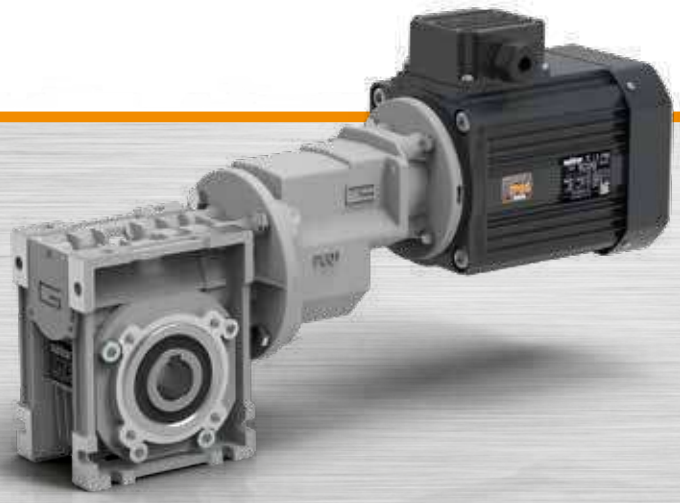
TRANSTECNO®
the modular gearmotor

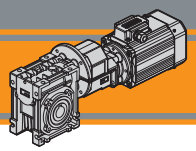
# CMPU

CMPU

CMPU Alu

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






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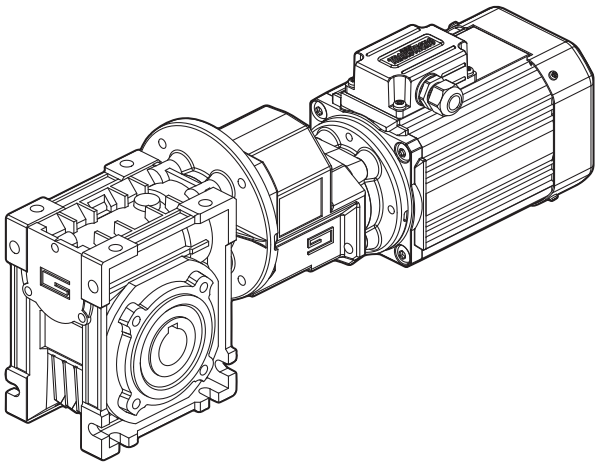
## Caratteristiche tecniche — *Technical features*

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

- Carcassa in alluminio pressofuso
- Le grandezze 090 è fornita con cuscinetti a rulli conici sulla vite
- Lubrificazione permanente con olio sintetico

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

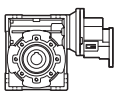
- *Die cast aluminium housing*
- *Double taper roller bearing on size 090*
- *Permanent synthetic oil long life lubrication*

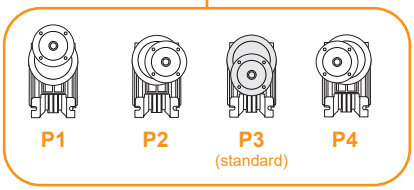


## Designazione — *Classification*

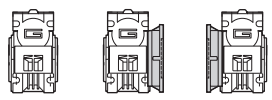
RIDUTTORE A VITE SENZA FINE CON PRECOPPIA / *PRE-STAGE WORMGEARBOX*

| 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**<br>**01/063**<br>**01/070**<br>**01/075**<br>**01/090** | **U**<br>**FD**<br>**FS**<br>**FLD**<br>**FLS**<br>**FBD**<br>**FBS** | Vedere tabella<br>*See tables* | **63**<br>**71**<br>**80** | **B5**<br>**B14** | **SZDX**<br>**SZSX**<br>**DZ** | **BRDX**<br>**BRSX** | **0°**<br>**90°**<br>**180°**<br>**270°** | **P1**<br>**P2**<br>**P3** (standard)<br>**P4** | **M1** (B3)<br>**M2** (V6)<br>**M3** (B8)<br>**M4** (V5)<br>**M6** (B6)<br>**M5** (B7) | **VS** |

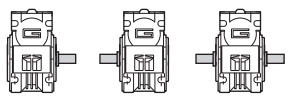




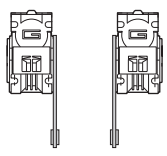

Versione Riduttore *Gearbox Version*

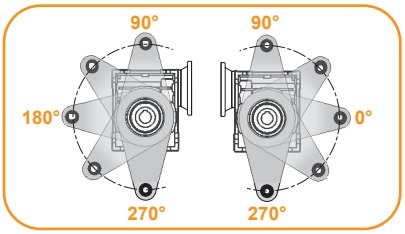



Albero di uscita *Output shaft*

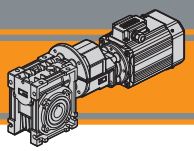



Braccio di reazione (*) *Torque arm*




(*) NOTA: il braccio di reazione viene fornito smontato.
*NOTE: the torque arm will be supplied not assembled.*



## Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMT | N1 pag. | 1-2-3-4-5 | 4 | 0.04 kW ... 2.2 kW | B14 | 230-400 V 460V | 50Hz 60Hz | TEFC TENV | O1 P1 Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

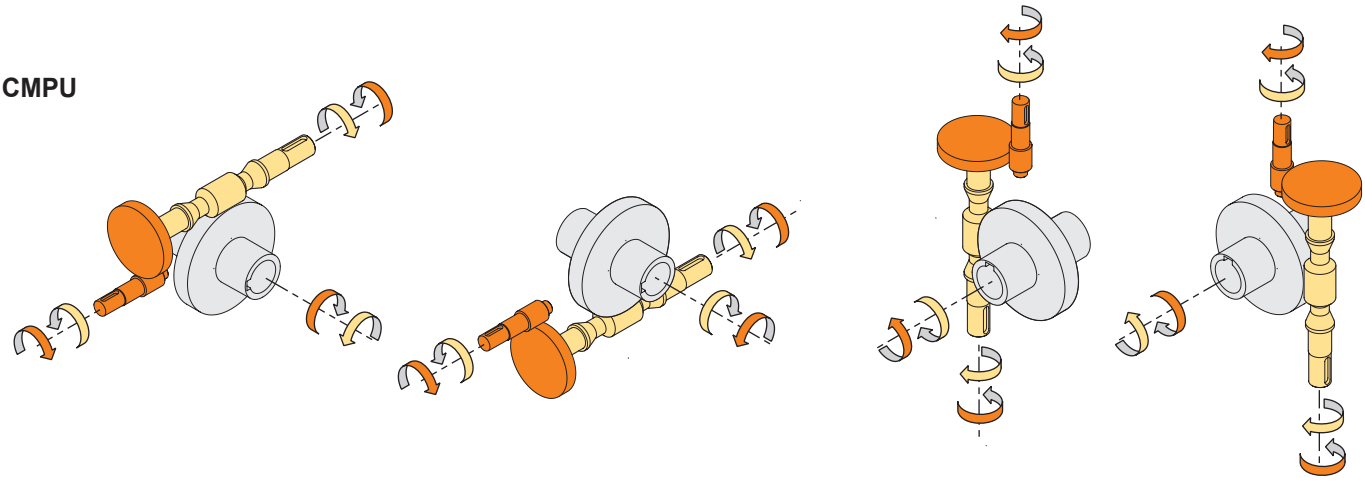
| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA | T1 |
|---|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | *Opzioni Options* | Pos. Morsettiera *Terminal box pos.* |
| SMM | N1 pag. | 1-2-3-4 | 4 | 0.04 kW ... 0.75 kW | B14 | 230V | 50Hz | TEFC TENV | Q1 pag. | T1 (Std) T4 T2 T3 |

MOTORE TRIFASE / *THREE PHASE MOTOR*

| TS | 63 | 2 | 4 | 0.18 kW | B5 | 3 ph | 230-400 V | 50 Hz | T1 |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Fasi *Phases* | Tensione *Voltage* | Frequenza *Frequency* | Pos. Morsettiera *Terminal box pos.* |
| TS | R1 pag. | 1-2-3-S L1-L2 | 4 | 0.09 kW ... 2.2 kW | B5 B14 | 3 ph | 230-400 V 275-480 V | 50Hz 60Hz | T1 (Std) T4 T2 T3 |

## Sensi di rotazione — *Direction of rotation*

**CMPU**



## Simbologia — *Symbols*

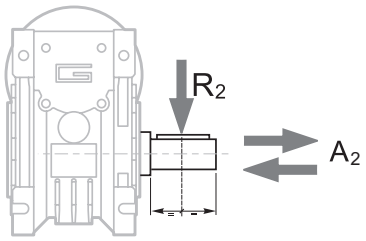
| | | | | | |
|---|---|---|---|---|---|
| $n_1$ | [$min^{-1}$] | Velocità in ingresso / *Input speed* | $M_2$ | [Nm] | Coppia in uscita in funzione di $P_1$ / *Output torque referred to $P_1$* |
| $n_2$ | [$min^{-1}$] | Velocità in uscita / *Output speed* | sf | | Fattore di servizio / *Service factor*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

## 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*

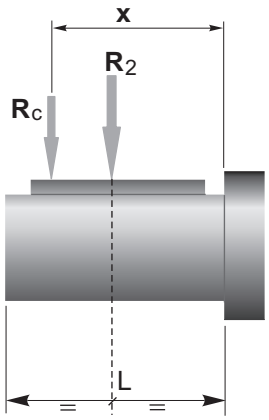



$A_2 = R_2 \times 0.2$

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

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

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




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

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

$$R \leq R_c$$

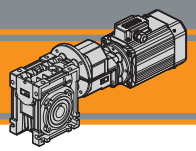
*a, b = valori riportati nella tabella*
*a, b = values given in the table*

## Motori applicabili — *Motors adapters*

| | SMT | | | SMM | | | TS | | |
|---|---|---|---|---|---|---|---|---|---|
| | 6324<br>6334<br>6344 | 7124<br>7134<br>7144 | 8024<br>8034 | 6324<br>6334 | 7124<br>7134 | 8024 | 6314<br>6324<br>6334 | 7114<br>7124<br>7134<br>7144 | 8024<br>8034 |
| CMPU01/... | | | | | | | | | |

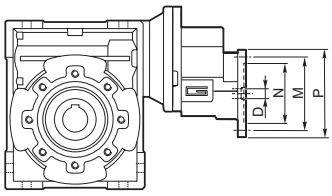
**N.B.** Le aree evidenziate in grigio indicano l'applicabilità della corrispondente grandezza motore.

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



## Motori applicabili

*IEC Motor adapters*




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

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

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

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

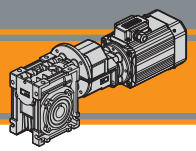
## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.12** | | | | | |
| TS6314 (1400 min$^{-1}$) | **49** | 18 | 8.5 | 28.50 | **CMPU01/050** |
| | **33** | 27 | 5.8 | 42.75 | |
| | **25** | 35 | 4.5 | 57.00 | |
| | **22** | 41 | 3.8 | 64.28 | |
| | **16** | 49 | 3.3 | 85.50 | |
| | **16** | 52 | 3.0 | 85.70 | |
| | **12** | 62 | 2.2 | 114.00 | |
| | **11** | 74 | 2.2 | 128.55 | |
| | **10** | 73 | 1.7 | 142.50 | |
| | **8** | 80 | 2.0 | 171.00 | |
| | **6.5** | 110 | 1.1 | 214.25 | |
| | **5.4** | 120 | 1.4 | 257.10 | |
| | **6.5** | 108 | 2.1 | 214.25 | **CMPU01/063** |
| | **6.1** | 99 | 2.6 | 228.00 | |
| | **5.4** | 124 | 2.5 | 257.10 | |
| | **4.9** | 114 | 2.0 | 285.00 | |
| | **4.1** | 148 | 1.8 | 342.80 | |
| | **3.3** | 172 | 1.3 | 428.50 | |
| | **2.7** | 190 | 1.1 | 514.20 | |
| | **3.3** | 172 | 2.0 | 428.50 | **CMPU01/070** |
| | **3.1** | 146 | 1.9 | 456.00 | |
| | **2.7** | 190 | 1.7 | 514.20 | |
| | **2.5** | 165 | 1.4 | 570.00 | |
| | **2.0** | 220 | 1.2 | 685.60 | |
| | **1.6** | 247 | 0.9 | 857.00 | |
| | **2.5** | 165 | 1.8 | 570.00 | **CMPU01/075** |
| | **2.0** | 220 | 1.5 | 685.60 | |
| | **1.6** | 247 | 1.2 | 857.00 | |
| | **2.0** | 242 | 2.2 | 685.60 | **CMPU01/090** |
| | **1.6** | 268 | 1.8 | 857.00 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.18** | | | | | |
| SMT6324 SMM6324 (1400 min$^{-1}$) SMT SMM | **49** | 27 | 5.6 | 28.50 | **CMPU01/050** |
| | **33** | 41 | 3.8 | 42.75 | |
| | **25** | 52 | 3.0 | 57.00 | |
| | **22** | 61 | 2.6 | 64.28 | |
| | **16** | 74 | 2.2 | 85.50 | |
| | **16** | 78 | 2.0 | 85.70 | |
| TS6324 (1400 min$^{-1}$) | **12** | 93 | 1.5 | 114.00 | |
| | **11** | 111 | 1.4 | 128.55 | |
| | **10** | 110 | 1.1 | 142.50 | |
| | **8** | 119 | 1.4 | 171.00 | |
| | **5** | 179 | 0.9 | 257.10 | |
| | **12** | 92 | 2.8 | 114.00 | **CMPU01/063** |
| | **11** | 110 | 2.8 | 128.55 | |
| | **10** | 108 | 2.1 | 142.50 | |
| | **8** | 123 | 2.5 | 171.00 | |
| | **6.5** | 162 | 1.4 | 214.25 | |
| | **6.1** | 148 | 1.8 | 228.00 | |
| | **5.4** | 186 | 1.7 | 257.10 | |
| | **4.9** | 171 | 1.4 | 285.00 | |
| | **4.1** | 223 | 1.2 | 342.80 | |
| | **3.3** | 258 | 0.9 | 428.50 | |
| | **6.5** | 168 | 2.0 | 214.25 | **CMPU01/070** |
| | **6.1** | 148 | 2.6 | 228.00 | |
| | **5.4** | 186 | 2.4 | 257.10 | |
| | **4.9** | 171 | 2.0 | 285.00 | |
| | **4.1** | 223 | 1.7 | 342.80 | |
| | **3.3** | 258 | 1.3 | 428.50 | |
| | **3.1** | 219 | 1.2 | 456.00 | |
| | **2.7** | 285 | 1.1 | 514.20 | |
| | **2.5** | 247 | 0.9 | 570.00 | |
| | **3.3** | 258 | 1.6 | 428.50 | **CMPU01/075** |
| | **3.1** | 219 | 1.5 | 456.00 | |
| | **2.7** | 291 | 1.3 | 514.20 | |
| | **2.5** | 247 | 1.2 | 570.00 | |
| | **2.0** | 330 | 1.0 | 685.60 | |
| | **2.7** | 316 | 2.0 | 514.20 | **CMPU01/090** |
| | **2.5** | 267 | 1.8 | 570.00 | |
| | **2.0** | 363 | 1.5 | 685.60 | |
| | **1.6** | 402 | 1.2 | 857.00 | |

IEC

| Motori *Motors* | SMT | SMM | TS |
|---|---|---|---|
| | **6324** | **6324** | **6314 6324** |
| **IEC** | **63 B14** | **63 B14** | **63 B5 / B14** |



## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.25** | | | | | |
| SMT6334 | **49** | 38 | 4.1 | 28.50 | **CMPU01/050** |
| SMM6334 | **33** | 56 | 2.8 | 42.75 | |
| (1400 min$^{-1}$) | **25** | 72 | 2.1 | 57.00 | |
|  | **22** | 85 | 1.8 | 64.28 | |
| | **16** | 103 | 1.6 | 85.50 | |
| | **16** | 109 | 1.4 | 85.70 | |
| TS6334 | **12** | 130 | 1.1 | 114.00 | |
| TS7114 | **11** | 155 | 1.0 | 128.55 | |
| (1400 min$^{-1}$) | **10** | 152 | 0.8 | 142.50 | |
| | **8** | 166 | 1.0 | 171.00 | |
| | **16** | 110 | 2.6 | 85.70 | **CMPU01/063** |
| | **12** | 128 | 2.0 | 114.00 | |
| | **11** | 153 | 2.0 | 128.55 | |
| | **10** | 150 | 1.5 | 142.50 | |
| | **8** | 171 | 1.8 | 171.00 | |
| | **6.5** | 226 | 1.0 | 214.25 | |
| | **6.1** | 206 | 1.3 | 228.00 | |
| | **5.4** | 258 | 1.2 | 257.10 | |
| | **4.9** | 238 | 1.0 | 285.00 | |
| | **10** | 155 | 2.2 | 142.50 | **CMPU01/070** |
| | **8** | 171 | 2.6 | 171.00 | |
| | **6.5** | 233 | 1.5 | 214.25 | |
| | **6.1** | 206 | 1.8 | 228.00 | |
| | **5.4** | 258 | 1.8 | 257.10 | |
| | **4.9** | 238 | 1.4 | 285.00 | |
| | **4.1** | 309 | 1.2 | 342.80 | |
| | **3.3** | 358 | 0.9 | 428.50 | |
| | **3.1** | 305 | 0.9 | 456.00 | |
| | **4.9** | 238 | 1.7 | 285.00 | **CMPU01/075** |
| | **4.1** | 315 | 1.5 | 342.80 | |
| | **3.3** | 358 | 1.1 | 428.50 | |
| | **3.1** | 305 | 1.1 | 456.00 | |
| | **2.7** | 404 | 0.9 | 514.20 | |
| | **4.1** | 332 | 2.4 | 342.80 | **CMPU01/090** |
| | **3.3** | 387 | 1.8 | 428.50 | |
| | **3.1** | 335 | 1.6 | 456.00 | |
| | **2.7** | 438 | 1.4 | 514.20 | |
| | **2.5** | 372 | 1.3 | 570.00 | |
| | **2.0** | 504 | 1.1 | 685.60 | |
| | **1.6** | 559 | 0.9 | 857.00 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.37** | | | | | |
| SMT6344 | **49** | 56 | 2.7 | 28.50 | **CMPU01/050** |
| SMT7124 | **33** | 84 | 1.9 | 42.75 | |
| SMM7124 | **25** | 107 | 1.4 | 57.00 | |
| (1400 min$^{-1}$) | **22** | 126 | 1.2 | 64.28 | |
|  | **16** | 152 | 1.1 | 85.50 | |
| | **16** | 161 | 1.0 | 85.70 | |
| TS7124 | **25** | 109 | 2.6 | 57.00 | **CMPU01/063** |
| (1400 min$^{-1}$) | **22** | 127 | 1.9 | 64.28 | |
| | **16** | 150 | 2.0 | 85.50 | |
| | **16** | 163 | 1.8 | 85.70 | |
| | **12** | 189 | 1.4 | 114.00 | |
| | **11** | 226 | 1.3 | 128.55 | |
| | **10** | 222 | 1.0 | 142.50 | |
| | **8** | 254 | 1.2 | 171.00 | |
| | **6.5** | 334 | 0.7 | 214.25 | |
| | **6.1** | 305 | 0.9 | 228.00 | |
| | **12** | 192 | 2.0 | 114.00 | **CMPU01/070** |
| | **11** | 229 | 1.9 | 128.55 | |
| | **10** | 229 | 1.5 | 142.50 | |
| | **8** | 254 | 1.8 | 171.00 | |
| | **6.5** | 344 | 1.0 | 214.25 | |
| | **6.1** | 305 | 1.2 | 228.00 | |
| | **5.4** | 382 | 1.2 | 257.10 | |
| | **4.9** | 352 | 1.0 | 285.00 | |
| | **6.5** | 344 | 1.2 | 214.25 | **CMPU01/075** |
| | **6.1** | 310 | 1.5 | 228.00 | |
| | **5.4** | 382 | 1.4 | 257.10 | |
| | **4.9** | 352 | 1.1 | 285.00 | |
| | **4.1** | 466 | 1.0 | 342.80 | |
| | **6.5** | 366 | 1.9 | 214.25 | **CMPU01/090** |
| | **6.1** | 327 | 2.5 | 228.00 | |
| | **5.4** | 401 | 2.4 | 257.10 | |
| | **4.9** | 381 | 1.8 | 285.00 | |
| | **4.1** | 492 | 1.7 | 342.80 | |
| | **3.3** | 572 | 1.2 | 428.50 | |
| | **3.1** | 496 | 1.1 | 456.00 | |
| | **2.7** | 649 | 1.0 | 514.20 | |
| | **2.5** | 550 | 0.9 | 570.00 | |

IEC

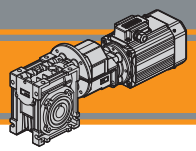
| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 6334<br>6344 | 7124 | 6334 | 7124 | 6334 | 7114<br>7124 |
| IEC | 63 B14 | 71 B14 | 63 B14 | 71 B14 | 63 B5 / B14 | 71 B5 / B14 |

## Dati tecnici — *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.55** | | | | | |
| SMT7134 | **49** | 84 | 1.8 | 28.50 | **CMPU01/050** |
| SMM7134 | **33** | 124 | 1.3 | 42.75 | |
| (1400 min$^{-1}$) | **25** | 159 | 1.0 | 57.00 | |
|  | **49** | 85 | 2.4 | 28.50 | **CMPU01/063** |
| | **33** | 126 | 2.3 | 42.75 | |
| TS7134 | **25** | 161 | 1.8 | 57.00 | |
| TS8014 | **22** | 189 | 1.3 | 64.28 | |
| (1400 min$^{-1}$) | **16** | 223 | 1.4 | 85.50 | |
| | **16** | 243 | 1.2 | 85.70 | |
| | **12** | 281 | 0.9 | 114.00 | |
| | **11** | 336 | 0.9 | 128.55 | |
| | **22** | 191 | 1.3 | 64.28 | **CMPU01/070** |
| | **16** | 226 | 1.9 | 85.50 | |
| | **16** | 246 | 1.3 | 85.70 | |
| | **12** | 285 | 1.4 | 114.00 | |
| | **11** | 340 | 1.3 | 128.55 | |
| | **10** | 341 | 1.0 | 142.50 | |
| | **8** | 377 | 1.2 | 171.00 | |
| | **12** | 289 | 1.6 | 114.00 | **CMPU01/075** |
| | **11** | 345 | 1.3 | 128.55 | |
| | **10** | 341 | 1.2 | 142.50 | |
| | **8** | 377 | 1.5 | 171.00 | |
| | **6.5** | 512 | 0.8 | 214.25 | |
| | **6.1** | 461 | 1.0 | 228.00 | |
| | **5.4** | 567 | 1.0 | 257.10 | |
| | **11** | 354 | 1.3 | 128.55 | **CMPU01/090** |
| | **10** | 362 | 2.0 | 142.50 | |
| | **8** | 396 | 2.4 | 171.00 | |
| | **6.5** | 544 | 1.3 | 214.25 | |
| | **6.1** | 486 | 1.7 | 228.00 | |
| | **5.4** | 596 | 1.3 | 257.10 | |
| | **4.9** | 566 | 1.2 | 285.00 | |
| | **4.1** | 731 | 1.1 | 342.80 | |

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **0.75** | | | | | |
| SMT7144 | **49** | 114 | 1.4 | 28.50 | **CMPU01/050** |
| SMT8024 IE3 | **33** | 169 | 0.9 | 42.75 | |
| SMM8024 | | | | | |
| (1400 min$^{-1}$) | **49** | 116 | 1.8 | 28.50 | **CMPU01/063** |
|  | **33** | 171 | 1.7 | 42.75 | |
| | **25** | 220 | 1.3 | 57.00 | |
| | **22** | 258 | 0.9 | 64.28 | |
| TS7144 | **16** | 304 | 1.0 | 85.50 | |
| TS8024 | **16** | 331 | 0.9 | 85.70 | |
| (1400 min$^{-1}$) | | | | | |
| | **33** | 174 | 1.8 | 42.75 | **CMPU01/070** |
| | **25** | 223 | 1.9 | 57.00 | |
| | **22** | 261 | 0.9 | 64.28 | |
| | **16** | 309 | 1.4 | 85.50 | |
| | **16** | 335 | 0.9 | 85.70 | |
| | **12** | 389 | 1.0 | 114.00 | |
| | **11** | 464 | 0.9 | 128.55 | |
| | **8** | 514 | 0.9 | 171.00 | |
| | **22** | 261 | 1.8 | 64.28 | **CMPU01/075** |
| | **16** | 313 | 1.7 | 85.50 | |
| | **16** | 335 | 0.9 | 85.70 | |
| | **12** | 394 | 1.2 | 114.00 | |
| | **11** | 470 | 0.9 | 128.55 | |
| | **10** | 464 | 0.9 | 142.50 | |
| | **8** | 514 | 1.1 | 171.00 | |
| | **16** | 322 | 2.7 | 85.50 | **CMPU01/090** |
| | **16** | 348 | 0.9 | 85.70 | |
| | **12** | 412 | 2.0 | 114.00 | |
| | **11** | 483 | 0.9 | 128.55 | |
| | **10** | 493 | 1.4 | 142.50 | |
| | **8** | 540 | 1.7 | 171.00 | |
| | **6.5** | 741 | 1.0 | 214.25 | |
| | **6.1** | 663 | 1.2 | 228.00 | |
| | **5.4** | 812 | 0.9 | 257.10 | |
| | **4.9** | 772 | 0.9 | 285.00 | |

| Motori *Motors* | SMT | | SMM | | TS | |
|---|---|---|---|---|---|---|
| | 7134<br>7144 | 8024 | 7134 | 8024 | 7134<br>7144 | 8014<br>8024 |
| IEC | 71 B14 | 80 B14 | 71 B14 | 80 B14 | 71 B5 / B14 | 80 B5 / B14 |



## Dati tecnici / *Technical data*

| $P_1$ [kW] | $n_2$ [min$^{-1}$] | $M_2$ [Nm] | sf | i | |
|---|---|---|---|---|---|
| **1.1** | | | | | |
| SMT8034 IE3 (1400 min$^{-1}$) | **49** | 168 | 0.9 | 28.50 | **CMPU01/050** |
| | **49** | 170 | 1.2 | 28.50 | **CMPU01/063** |
| | **33** | 251 | 1.2 | 42.75 | |
| | **25** | 323 | 0.9 | 57.00 | |
| TS8034 (1400 min$^{-1}$) | **33** | 255 | 1.2 | 42.75 | **CMPU01/070** |
| | **25** | 327 | 1.2 | 57.00 | |
| | **16** | 453 | 1.0 | 85.50 | |
| | **33** | 255 | 1.2 | 42.75 | **CMPU01/075** |
| | **25** | 327 | 1.2 | 57.00 | |
| | **16** | 459 | 1.2 | 85.50 | |
| | **33** | 261 | 1.2 | 42.75 | **CMPU01/090** |
| | **25** | 340 | 1.2 | 57.00 | |
| | **16** | 472 | 1.2 | 85.50 | |
| | **12** | 604 | 1.2 | 114.00 | |
| | **10** | 723 | 1.0 | 142.50 | |
| | **8** | 792 | 1.2 | 171.00 | |

| **Motori** *Motors* | **SMT** | **TS** |
|---|---|---|
| | **8034** | **8034** |
| **IEC** | **80 B14** | **80 B5 / B14** |

CMPU

## Dati tecnici elettrici / *Electrical technical data*

Si prega di consultare il paragrafo dedicato: / *Please see the dedicated paragraph:*

SMT SMM → N3 pag.

TS → R3 pag.

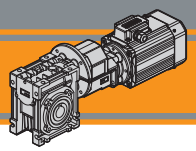
## Dimensioni — *Dimensions*

| | 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 |

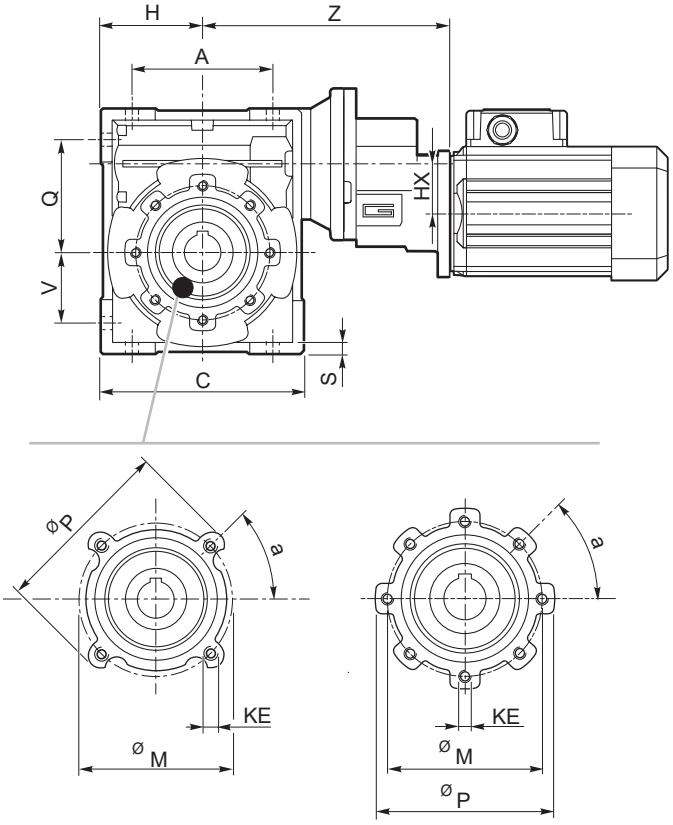
(*) **Nota:** Il peso in kg si riferisce al solo riduttore
***Note:*** *The weight in kg is referred to only he gearmotor*

| | | 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 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |



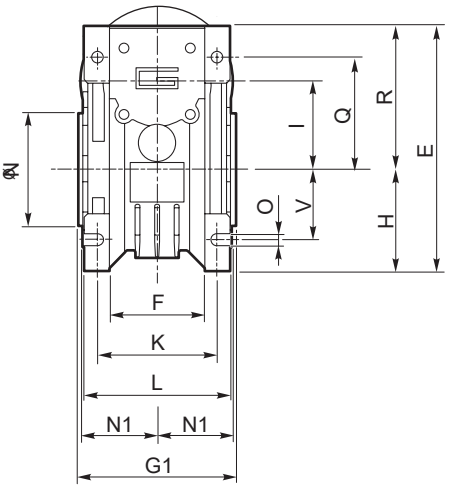
## Dimensioni — *Dimensions*

### CMPU..U

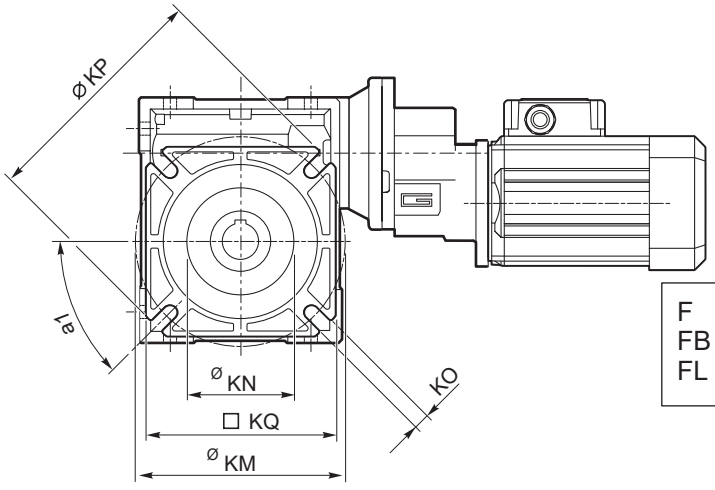


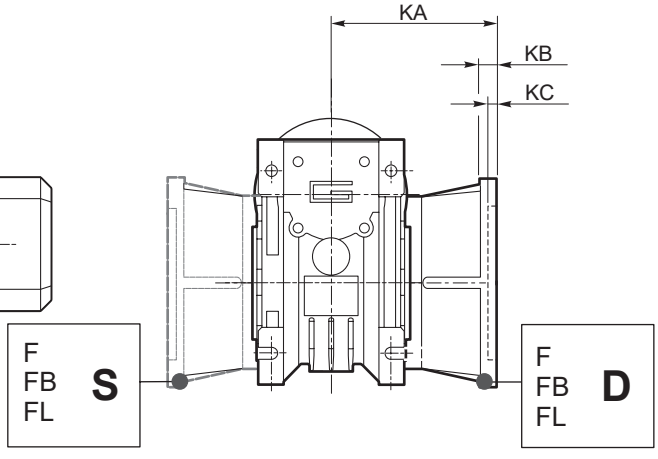

..01/050

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

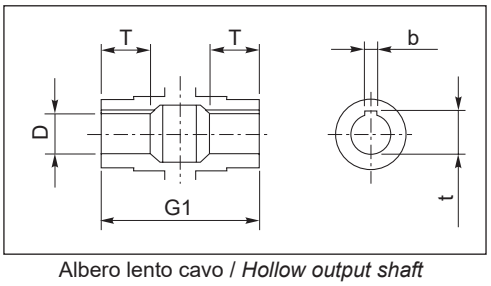



SMT SMM 63 ... 80 → N4 pag.
TS 63 ... 80 → R4 pag.




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

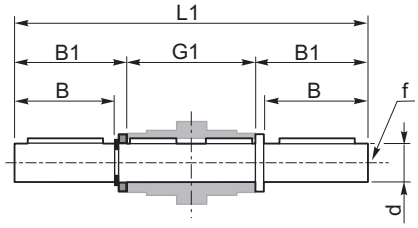



Albero lento cavo / *Hollow output shaft*

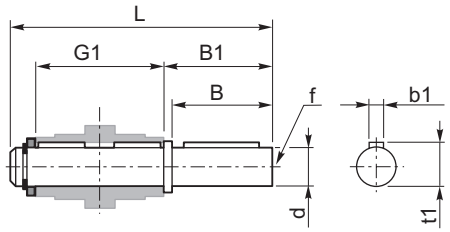
## Accessori / *Accessories*

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

DZ



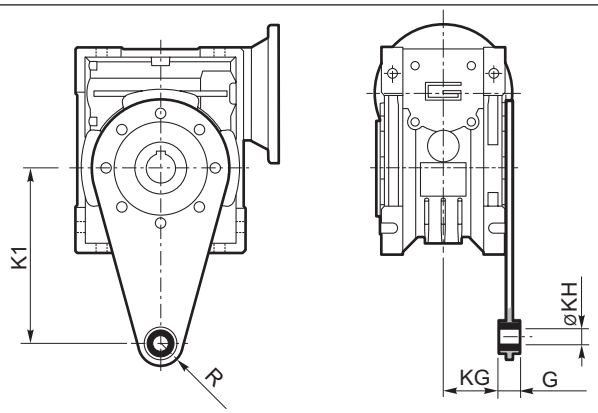

SZ




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

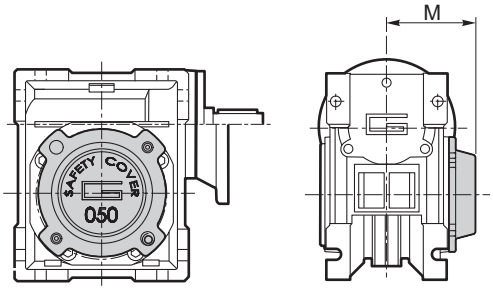
**Braccio di reazione** / ***Torque arm***

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



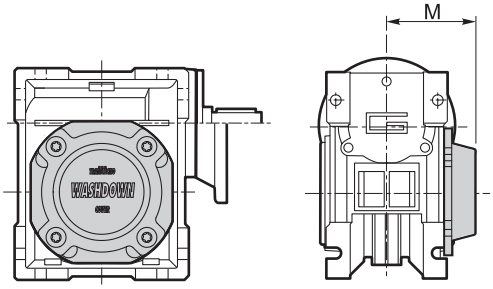

## SC - *Safety Cover*

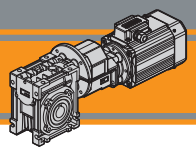
| CMPU | M |
|---|---|
| 01/050 | 62.5 |
| 01/063 | 73 |
| 01/070 | 75 |
| 01/075 | 79 |
| 01/090 | 94 |




## WD - *Kit washdown cover*

| CMPU | M |
|---|---|
| 01/050 | 63.5 |
| 01/063 | 71.5 |
| 01/070 | 76 |
| 01/075 | 80 |
| 01/090 | 95 |



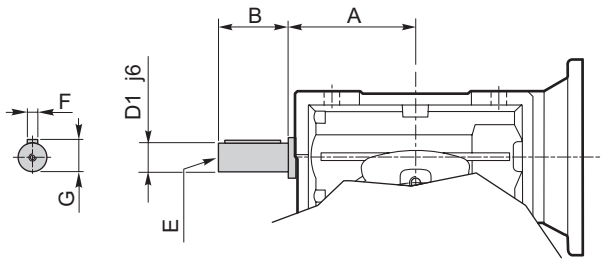


## Opzioni / *Options*

### VS - Vite sporgente / *Extended input shaft*

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

Costruito su richiesta
*Built on request*



TRANSTECNO®
the modular gearmotor

# SM

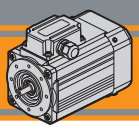
SM

SM Alù

IP66 TRANSTECNO

## Motori elettrici asincroni CA
## AC asynchronous electric motors





IP66 TRANSTECNO


| Indice | *Index* | Pag. *Page* |
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| Designazione | *Classification* | **N3** |
| Simbologia e formule | *Symbols and formulas* | **N3** |
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| Dati tecnici motori monofase | *Single phase motors technical data* | **N5** |
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| Cava esagonale | *Hexagonal socket* | **N10** |
| Opzione guarnizione CA | *Rubber gasket option* | **N12** |
| Gradi di protezione IP | *IP protection rating* | **N12** |
| Normative di riferimento | *Reference standards* | **N13** |
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| Classe di isolamento termico | *Insulation class* | **N14** |
| Serie SM - Funzionamento a 60 Hz | *Series SM - 60 Hz line power supply* | **N14** |
| Tabella pressacavi | *Table of cable glands data* | **N14** |
| Connessioni e collegamenti | *Connection diagram* | **N15** |
| Targhetta | *Nameplate* | **N20** |




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

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## Caratteristiche tecniche

## *Technical characteristics*

I motori delle serie SMT ed SMM hanno le seguenti caratteristiche principali:

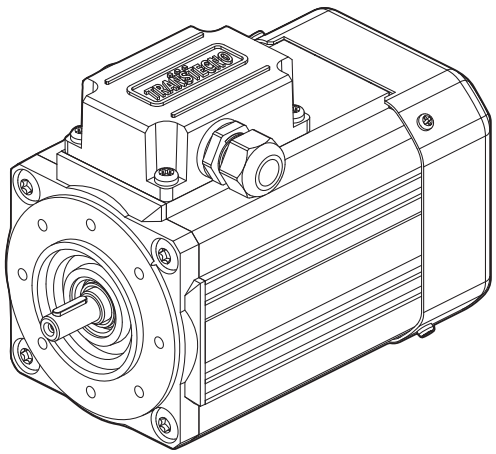
- Costruzione compatta
- Motorizzazioni in corrente alternata monofase e trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP66 eccetto il condensatore.
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente: -20°C / + 40°C
- Disponibili sia nella versione ventilata TEFC (servizio S1) che non ventilata TENV (servizio S3)
- Protezioni termiche PTO 150°C per le taglie 56, 63, 71, 80 e 90.
- SMT56, SMT63, SMT71, SMT80 e SMT90 adatti al funzionamento con alimentazione da inverter.
- SMT80 e SMT90 conformi alla classe di rendimento IE3.

- Cava esagonale su albero motore lato NDE.
- Condensatore di marcia sempre cablato ad esclusione della taglia SMM50.
- La tolleranza di tensione è ±10% per tutti i motori ad esclusione della taglia 50 (±5%).
- Disponibili nelle versioni autofrenante, servoventilata e con certificazione UL/CSA.

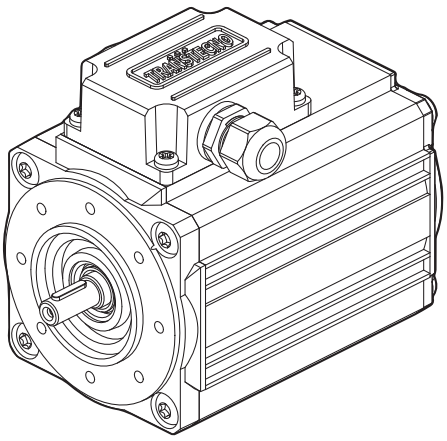
*SMT and SMM motor range has the following main features:*

- *Compact design*
- *AC single phase and three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC electric motor in IP66 protection Standard, except capacitor*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: -20°C / +40°C*
- *Fan cooled TEFC (duty S1) and not ventilated TENV (duty S3) versions available*
- *PTO 150°C thermal protection for motor sizes 56, 63, 71, 80 and 90.*
- *SMT56, SMT63, SMT71, SMT80 and SMT90 are suitable to be driven by inverter.*
- *SMT80 and SMT90 in compliance to the Standard efficiency class IE3*
- *Motor shafthexagon socket on the NDE side.*
- *Running capacitor always connected, except for SMM50.*

- *The voltage tolerance is ±10% for all motors, except for size 50 (±5%).*
- *Brake motors, forced ventilation motors and UL/CSA compliance versions available.*

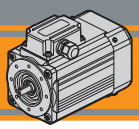


**SM .. TEFC**



**SM .. TENV**

IP66 TRANSTECNO



## Designazione — *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | Ventilazione *Fan cooling* | Opzioni *Options* |
| **SMT** | Vedi tabelle *See tables* | **1-2-3-4-5** | **4** | **0.04 kW** ... **2.2 kW** | **B14** | **230-400 V** **460V** | **50Hz** **60Hz** | **TEFC** **TENV** | **BR** → O01 pag.<br>**SV** → P01 pag.<br>**UL-CSA** → Q01 pag. |




3 ~

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 230 V | 50 Hz | TEFC | UL-CSA |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | Ventilazione *Fan cooling* | Opzioni *Options* |
| **SMM** | Vedi tabelle *See tables* | **1-2-3-4** | **4** | **0.04 kW** ... **0.75 kW** | **B14** | **230V** 115V (UL-CSA) | **50Hz** | **TEFC** **TENV** | **UL-CSA** → Q01 pag. |




1 ~

## Simbologia e formule — *Symbols and formulas*

| | | | |
|---|---|---|---|
| $P_n$ | [kW] | Potenza nominale | *Rated power* |
| $I_n$ | [A] | Corrente nominale (a 400V) | *Rated current (at 400V)* |
| $M_n$ | [Nm] | Coppia nominale | *Rated torque* |
| $n_n$ | [rpm] | Velocità nominale | *Rated speed* |
| $M_s$ / $M_n$ | | Rapporto coppia spunto / coppia nominale | *Ratio start torque / rated torque* |
| $M_k$ / $M_n$ | | Rapporto coppia massima / coppia nominale | *Ratio max torque / rated torque* |
| $I_s$ / $I_n$ | | Rapporto corrente di spunto / corrente nominale | *Ratio start current / rated current* |
| cosφ | | Fattore di potenza al carico nominale | *Power factor at rated torque load* |
| η | | Rendimento al carico nominale | *Efficiency at rated torque load* |
| Potenza *Power* | [HP] | Potenza [kW] x 1.341 | *Power [kW] x 1.341* |
| Potenza resa $P_n$ *$P_n$ output power* | [kW] | Potenza assorbita x η | *Absorbed power x η* |
| Pot. assorbita *Absorbed power* | [kW] | $\frac{V \times I \times \cos\varphi}{1000}$ (monofase)<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ (trifase) | $\frac{V \times I \times \cos\varphi}{1000}$ *(singlephase)*<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ *(threephase)* |
| $I_n$ (230 V) | | In (400 V) x √3 | *In (400 V) x √3* |

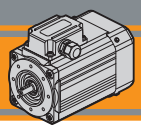
SM

## Dati tecnici motori trifase — *Three phase motors technical data*

### SMT Motori trifase / *SMT Three phase motors*

**(230-400 V / 50 Hz) poli / *poles* 4**

| | TAGLIA *SIZE* | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [min$^{-1}$] | $I_n$ (400V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | PTO [°C] | Servizio *Duty* TEFC | Servizio *Duty* TENV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **5014** | 0.04 | 0.30 | 1290 | 0.25 | 34.0 | 0.68 | 1.65 | 1.75 | 1.70 | - | S1 | S3 30% |
| | **5024** | 0.06 | 0.44 | 1300 | 0.35 | 35.7 | 0.69 | 1.55 | 1.80 | 1.60 | | | |
| | **5034** | 0.09 | 0.65 | 1315 | 0.54 | 38.0 | 0.64 | 1.80 | 2.00 | 1.85 | | | |
| | **5044** | 0.12 | 0.87 | 1315 | 0.64 | 43.0 | 0.63 | 1.80 | 2.00 | 1.80 | | S3 75% | |
| | **5624** | 0.09 | 0.64 | 1345 | 0.45 | 46.5 | 0.62 | 2.50 | 2.40 | 2.70 | PTO 150° | S1 | S3 50% |
| | **5634** | 0.12 | 0.89 | 1300 | 0.45 | 52.0 | 0.74 | 1.90 | 2.40 | 1.90 | | S3 75% | |
| | **5644** | 0.18 | 1.26 | 1360 | 0.69 | 59.0 | 0.65 | 2.50 | 3.00 | 2.60 | | | |
| | **5654** | 0.25 | 1.80 | 1330 | 0.93 | 59.0 | 0.66 | 2.50 | 2.80 | 2.60 | | | |
| | **6324** | 0.18 | 1.26 | 1360 | 0.69 | 57.0 | 0.66 | 2.50 | 2.90 | 2.50 | | | |
| | **6334** | 0.25 | 1.74 | 1375 | 0.94 | 62.0 | 0.64 | 2.80 | 3.00 | 2.80 | | | |
| | **6344** | 0.37 | 2.60 | 1360 | 1.24 | 65.3 | 0.66 | 2.70 | 3.00 | 2.70 | | | |
| | **7124** | 0.37 | 2.52 | 1400 | 1.10 | 67.9 | 0.72 | 2.75 | 4.20 | 2.75 | | | S3 45% |
| | **7134** | 0.55 | 3.76 | 1395 | 1.55 | 70.2 | 0.73 | 2.90 | 4.40 | 2.90 | | | |
| | **7144** | 0.75 | 5.09 | 1405 | 2.00 | 74.0 | 0.73 | 2.90 | 5.00 | 2.90 | | | |
| IE3 | **8024 IE3** | 0.75 | 4.96 | 1440 | 1.94 | 82.5 | 0.68 | 3.6 | 6.00 | 3.70 | | S1 | S3 70% |
| IE3 | **8034 IE3** | 1.1 | 7.25 | 1450 | 2.91 | 84.1 | 0.65 | 4.0 | 6.80 | 4.40 | | | |
| IE3 | **9024 IE3** | 1.5 | 10.0 | 1430 | 3.48 | 85.3 | 0.73 | 3.2 | 6.30 | 3.50 | | | S3 75% |
| IE3 | **9034 IE3** | 2.2 | 14.9 | 1410 | 4.68 | 86.7 | 0.79 | 3.0 | 6.20 | 3.30 | | | |





## SMM Motori monofase / *SMM Single phase motors*

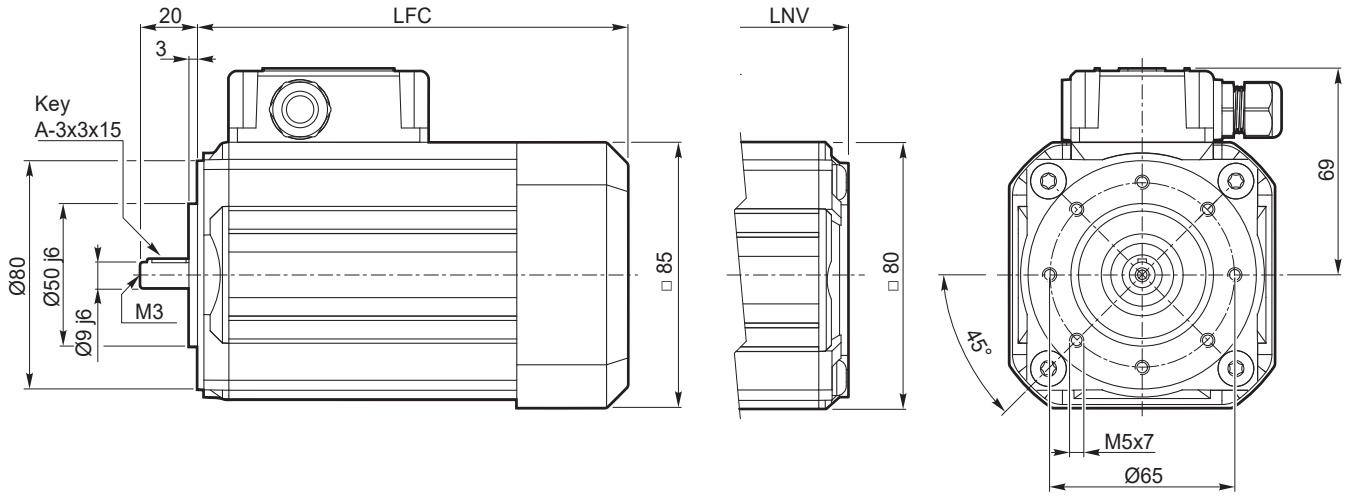
**(230 V / 50 Hz) poli / *poles* 4**

| TAGLIA *SIZE* | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [$min^{-1}$] | $I_n$ (230V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | Cond/cap [µF] | PTO [°C] | Servizio *Duty* TEFC | Servizio *Duty* TENV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5014** | 0.04 | 0.27 | 1390 | 0.60 | 33.4 | 0.88 | 0.74 | 1.60 | 1.55 | 8.0 | - | S1 | S3 30% |
| **5024** | 0.06 | 0.42 | 1380 | 0.89 | 34.3 | 0.85 | 0.76 | 1.70 | 1.50 | 12.0 | | | |
| **5034** | 0.09 | 0.63 | 1375 | 1.10 | 40.0 | 0.89 | 0.80 | 1.70 | 1.45 | 16.0 | | | |
| **5624** | 0.09 | 0.63 | 1370 | 0.82 | 48.6 | 0.98 | 0.72 | 1.70 | 1.45 | 6.3 | PTO 150° | | S3 50% |
| **5634** | 0.12 | 0.83 | 1380 | 1.06 | 50.3 | 0.98 | 0.75 | 2.10 | 1.65 | 9.0 | | | |
| **5644** | 0.18 | 1.25 | 1375 | 1.50 | 53.8 | 0.97 | 0.70 | 2.20 | 1.58 | 12.5 | | | |
| **6324** | 0.18 | 1.33 | 1290 | 1.50 | 54.5 | 0.97 | 1.00 | 1.80 | 1.45 | 12.0 | | | |
| **6334** | 0.25 | 1.85 | 1290 | 1.95 | 56.8 | 0.98 | 0.93 | 1.90 | 1.50 | 16.0 | | | |
| **7124** | 0.37 | 2.72 | 1300 | 2.78 | 58.6 | 0.99 | 0.77 | 2.00 | 1.35 | 20.0 | | | S3 45% |
| **7134** | 0.55 | 3.95 | 1330 | 3.54 | 68.9 | 0.98 | 0.66 | 2.40 | 1.40 | 25.0 | | | |
| **8024** | 0.75 | 5.31 | 1350 | 4.93 | 67.4 | 0.98 | 0.67 | 2.50 | 1.54 | 35.0 | | | S3 40% |

**Dimensioni motori trifase** *Three phase motors dimensions*

3 ~

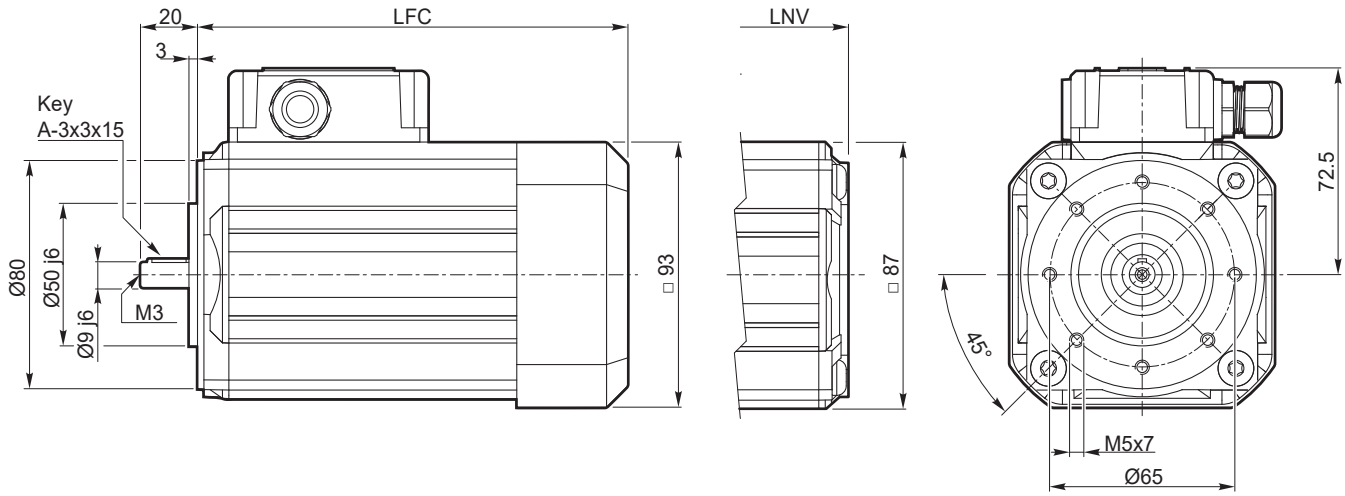
## SMT50.. - B14 - TEFC / TENV



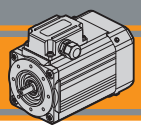

| SMT | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **5014** | 135.5 | 2.3 | 108.5 | 2.2 |
| **5024** | 150.5 | 2.7 | 123.5 | 2.6 |
| **5034** | 175.5 | 3.5 | 148.5 | 3.4 |
| **5044** | 200.5 | 4.2 | 173.5 | 4.1 |

3 ~

## SMT56.. - B14 - TEFC / TENV



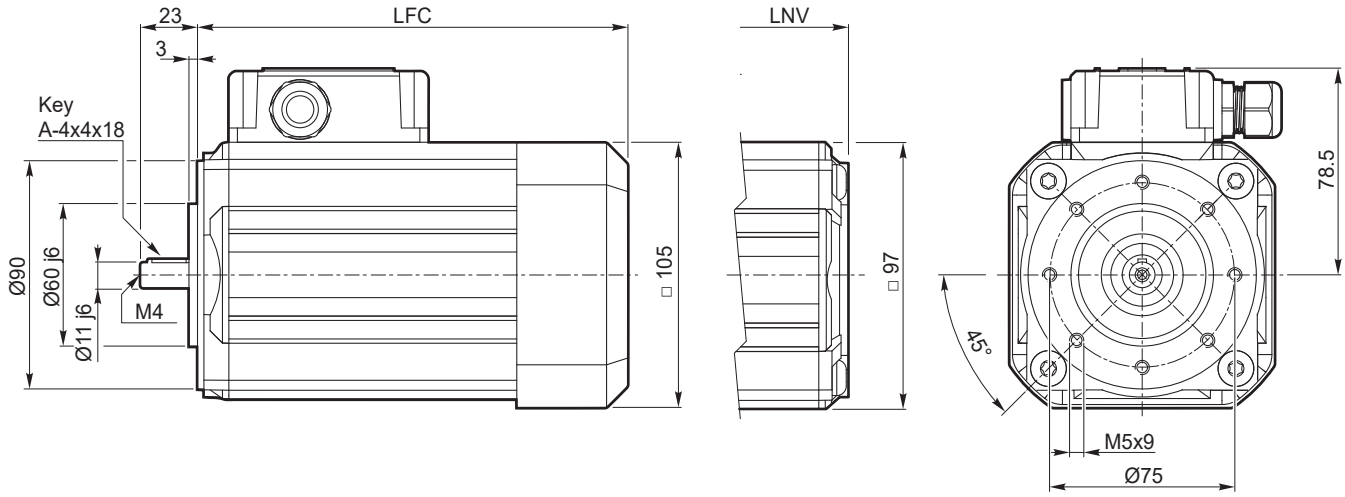

| SMT | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **5624** | 141 | 2.9 | 117 | 2.8 |
| **5634** | 151 | 3.2 | 127 | 3.1 |
| **5644** | 186 | 4.4 | 162 | 4.3 |
| **5654** | 206 | 5.1 | 182 | 5.0 |



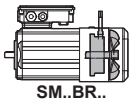
## Dimensioni motori trifase — *Three phase motors dimensions*

3 ~

### SMT63.. - B14 - TEFC / TENV

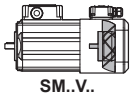



| SMT | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| 6324 | 165.5 | 4.3 | 138.5 | 4.2 |
| 6334 | 180.5 | 5.0 | 153.5 | 4.9 |
| 6344 | 205.5 | 6.2 | 178.5 | 6.1 |



**SM..BR..**
Motori autofrenanti
*Brake motors*

O04 pag.

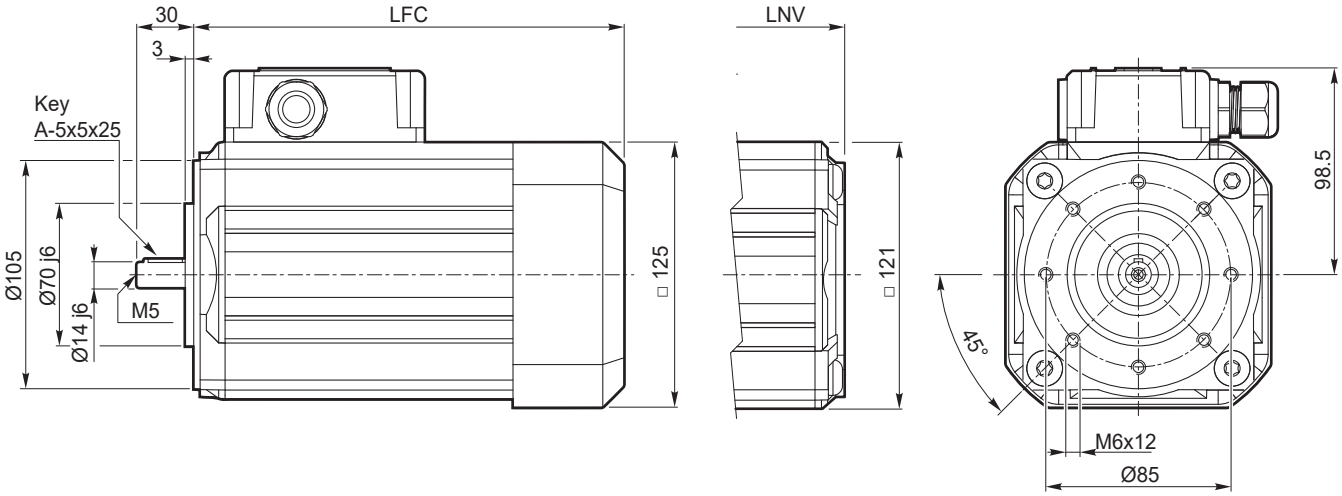


**SM..V..**
Motori servoventilati
*Motors with forced-ventilation*

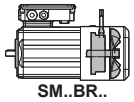
P04 pag.

3 ~

### SMT71.. - B14 - TEFC / TENV

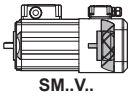



| SMT | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| 7124 | 174 | 6.6 | 145.5 | 6.4 |
| 7134 | 189 | 7.7 | 160.5 | 7.5 |
| 7144 | 214 | 9.4 | 185.5 | 9.2 |



**SM..BR..**
Motori autofrenanti
*Brake motors*

O04 pag.



**SM..V..**
Motori servoventilati
*Motors with forced-ventilation*

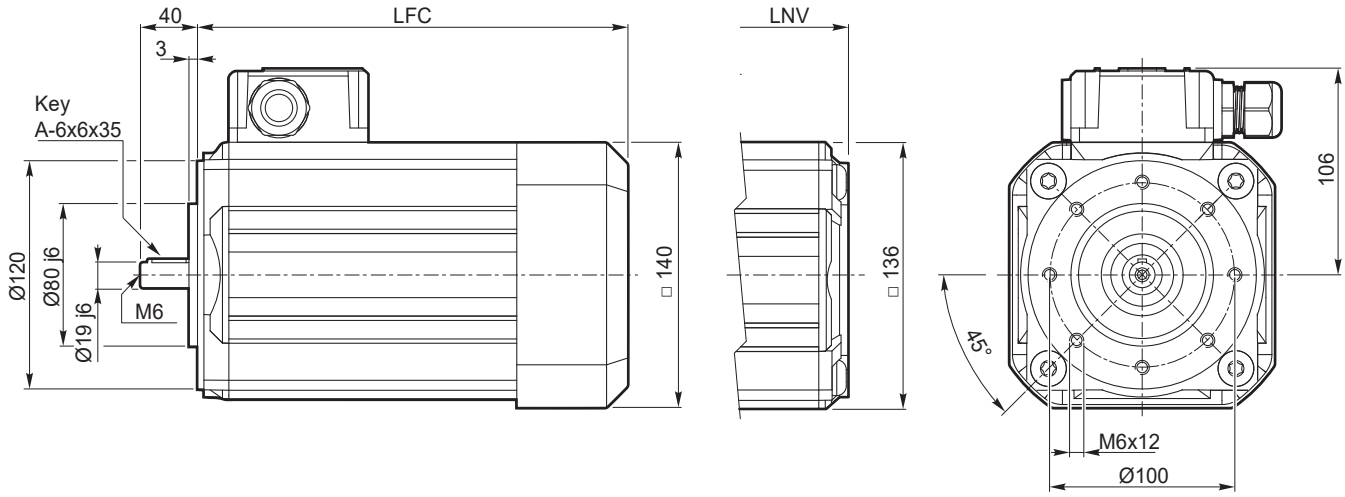
P04 pag.

## Dimensioni motori trifase

## *Three phase motors dimensions*

3 ~

### SMT80.. - B14 - TEFC / TENV



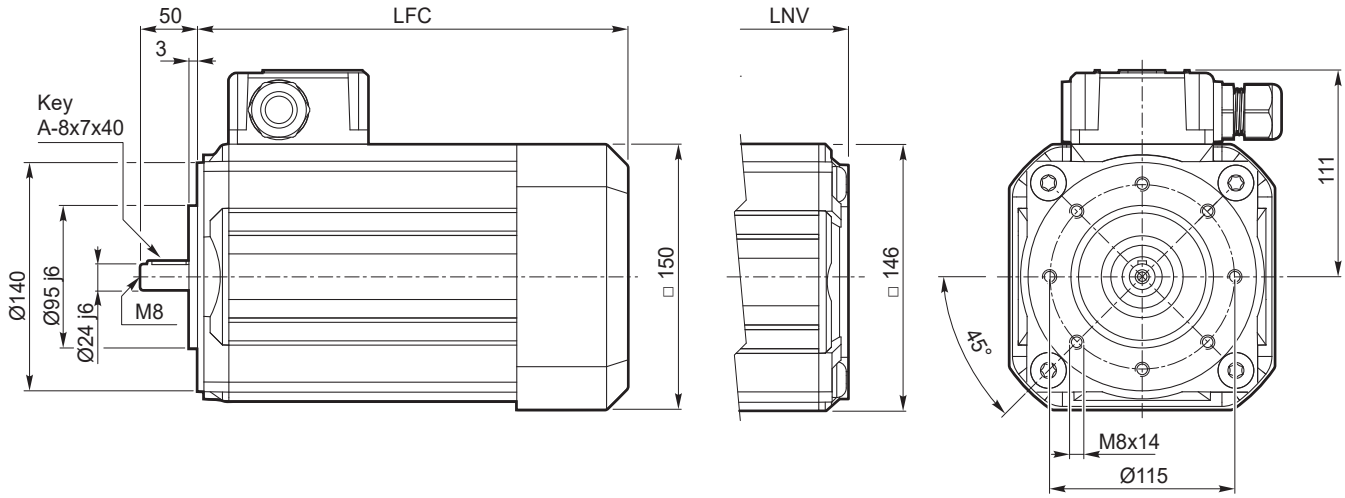

| SMT | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| 8024 | 233 | 11.8 | 196 | 11.5 |
| 8034 | 283 | 16.8 | 246 | 16.5 |

SM..BR..
Motori autofrenanti
*Brake motors*
O05 pag.

SM..V..
Motori servoventilati
*Motors with forced-ventilation*
P05 pag.

3 ~

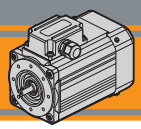
### SMT90.. - B14 - TEFC / TENV




| SMT | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| 9024 | 283 | 18.2 | 246 | 17.9 |
| 9034 | 313 | 21.5 | 276 | 21.2 |

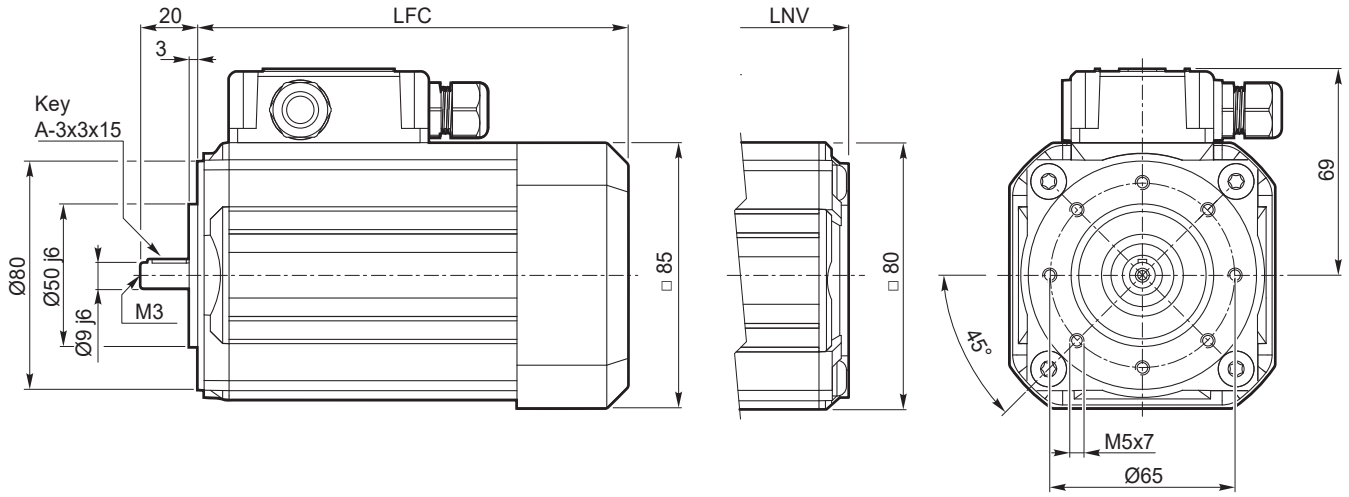
SM..BR..
Motori autofrenanti
*Brake motors*
O05 pag.

SM..V..
Motori servoventilati
*Motors with forced-ventilation*
P05 pag.



**Dimensioni motori monofase** | ***Single phase motors dimensions***

## 1 ~ SMM50.. - B14 - TEFC / TENV

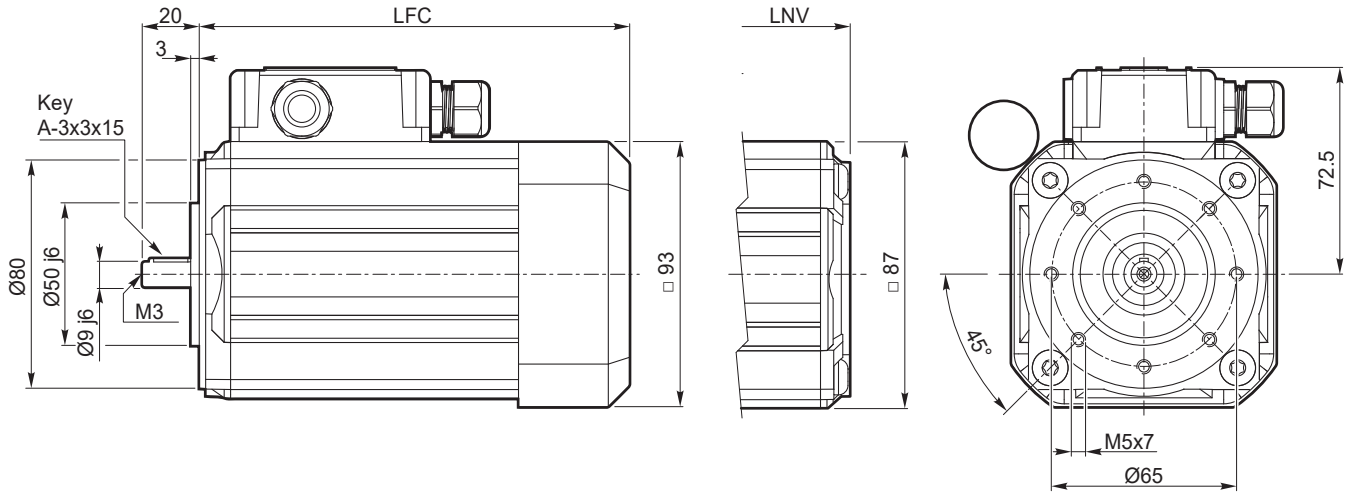



| SMM | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **5014** | 150.5 | 2.7 | 123.5 | 2.6 |
| **5024** | 175.5 | 3.5 | 148.5 | 3.4 |
| **5034** | 200.5 | 4.2 | 173.5 | 4.1 |

**Nota:**
il condensatore sarà fornito a corredo

***Note:***
*the capacitor will be supplied separately*

## 1 ~ SMM56.. - B14 - TEFC / TENV

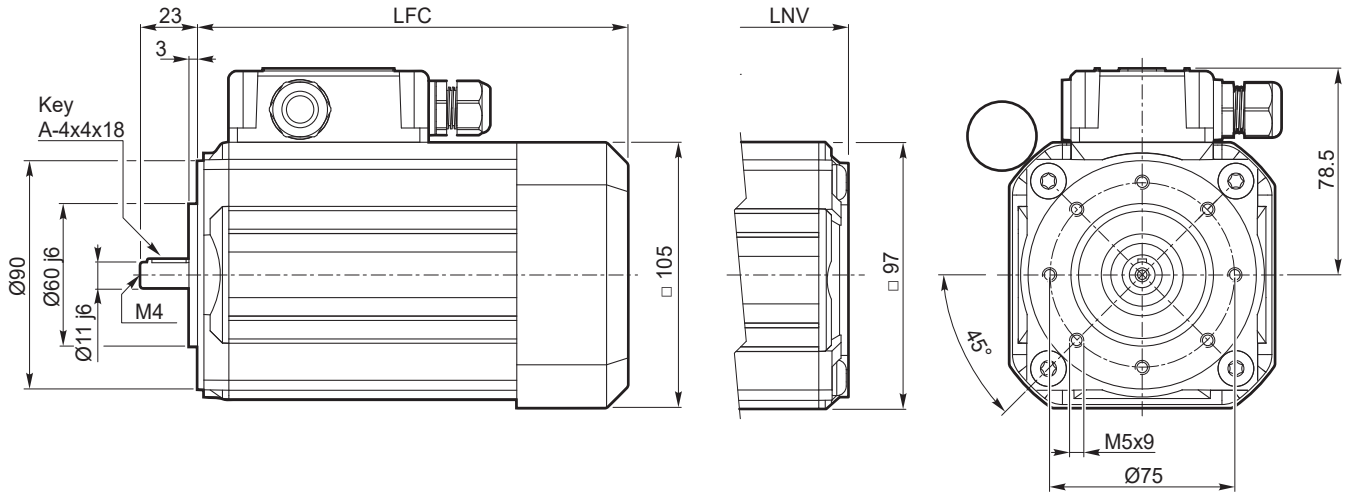



| SMM | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **5624** | 151 | 3.3 | 127 | 3.2 |
| **5634** | 171 | 3.9 | 147 | 3.8 |
| **5644** | 206 | 5.0 | 182 | 4.9 |

**Dimensioni motori monofase** *Single phase motors dimensions*

1 ~

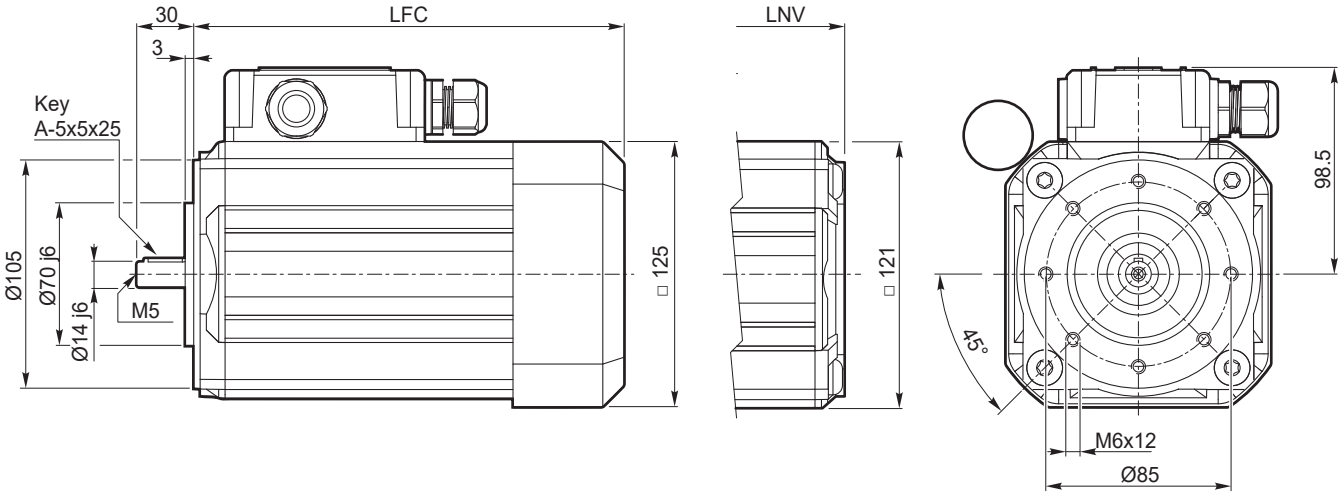
## SMM63.. - B14 - TEFC / TENV




| SMM | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **6324** | 180.5 | 5.1 | 153.5 | 5.0 |
| **6334** | 205.5 | 6.2 | 178.5 | 6.1 |

1 ~

## SMM71.. - B14 - TEFC / TENV

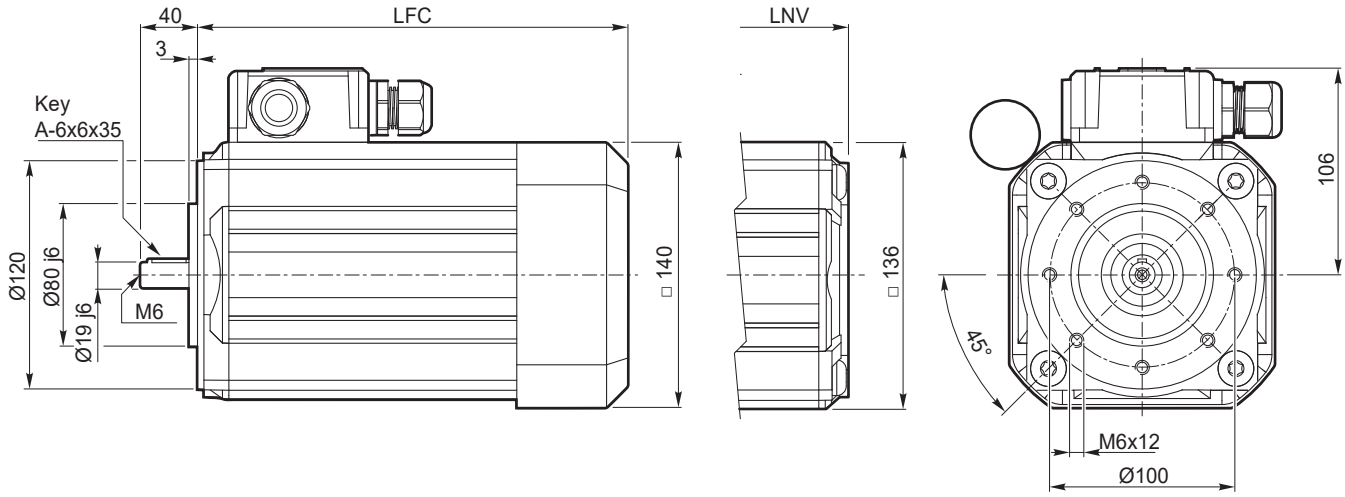



| SMM | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **7124** | 189 | 7.3 | 160.5 | 7.1 |
| **7134** | 214 | 9.2 | 185.5 | 9.0 |

## Dimensioni motori monofase — *Single phase motors dimensions*

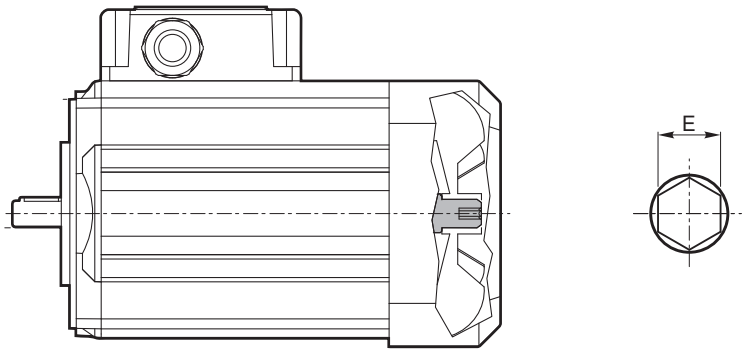
1 ~

### SMM80.. - B14 - TEFC / TENV




| SMM | ... TEFC | | ... TENV | |
|---|---|---|---|---|
| | LFC | Kg | LNV | Kg |
| **8024** | 233 | 11.8 | 196 | 11.5 |

## Cava esagonale — *Hexagonal socket*




**Esagono / *Hexagon***

| SM.. | E |
|---|---|
| **50** | 4 |
| **56** | |
| **63** | |
| **71** | 6 |
| **80** | |
| **90** | |

**Nota:**

Installare a monte dell'alimentazione un dispositivo che assicuri la disconnessione della rete omnipolare, durante le operazioni di rotazione manuale è obbligatorio l'utilizzo di tale sezionatore.

Il quadro elettrico del motore deve essere lucchettabile al fine di evitare il riarmo non previsto alla rete elettrica.

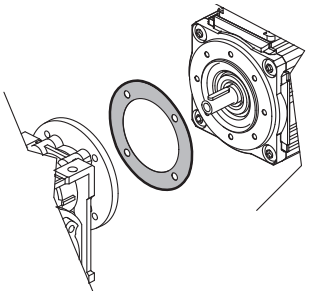
E' severamente vietata la messa in servizio del motore elettrico senza copriventola opportunamente montata.

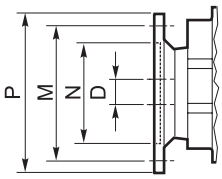
***Note:***

*An omnipolar cut-off device must be fitted upstream of the power supply; the use of this device is mandatory during manual rotation operations.*

*The switchgear for the motor must be padlockable in order to prevent the power supply from being accidentally reset. It is strictly prohibited to put the electric motor into service if the fan cover is not fitted.*

## Opzione guarnizione CA — *Rubber gasket option*






| Dimensioni IEC / *IEC Dimensions* | | | | | |
|---|---|---|---|---|---|
| | **56 B14** | **63 B14** | **71 B14** | **80 B14** | **90 B14** |
| **N** | 50 | 60 | 70 | 80 | 95 |
| **M** | 65 | 75 | 85 | 100 | 115 |
| **P** | 80 | 90 | 105 | 120 | 140 |
| **D** | **9** | **11** | **14** | **19** | **24** |

## Grado di protezione IP — *IP protection rating*

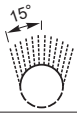
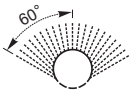
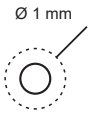
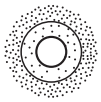
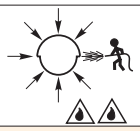
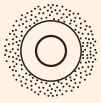
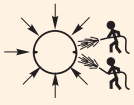
Indica il grado di isolamento meccanico del corpo motore.
1ª cifra protezione alla penetrazione di corpi solidi.

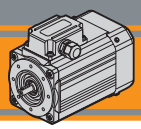
2ª cifra protezione contro la penetrazione d'acqua.

*IP protection rating indicates the degree of mechanical insulation of the motor casing.*

*The 1st figure indicates the level of protection against the intrusion of solid matter.*

*The 2nd figure indicates to which degree the motor is waterproof.*

| IP | | Definizione / *Description* | IP | | Definizione / *Description* |
|---|---|---|---|---|---|
| **0** | | Non protetto / *No protection* | **0** | | Non protetto / *No protection* |
| **1** |   | Protetto da corpi solidi superiori a Ø 50 mm. *Protected against solid matter (over Ø 50 mm).* | **1** |  | Protetto contro la caduta verticale di gocce d'acqua. *Protected against drops of water falling vertically.* |
| **2** |   | Protetto da corpi solidi superiori a Ø 12 mm. *Protected against solid matter (over Ø 12 mm).* | **2** |   | Protetto contro la caduta verticale di gocce d'acqua con inclinazione max di 15°. *Protected against drops of water falling up to 15°.* |
| **3** |   | Protetto da corpi solidi superiori a Ø 2.5 mm. *Protected against solid matter (over Ø 2.5 mm).* | **3** |   | Protetto contro la pioggia. *Rain proof.* |
| **4** |   | Protetto da corpi solidi superiori a Ø1 mm. *Protected against solid matter (over Ø1 mm).* | **4** |  | Protetto contro gli spruzzi. *Splash proof.* |
| **5** |  | Protetto contro la polvere. *Dust protected.* | **5** |  | Protetto contro getti d'acqua. *Water jet proof.* |
| **6** |  | Totalmente protetto contro la polvere. *Fully dust tight.* | **6** |  | Protetto dalle ondate. *Waveproof.* |
| **7** | | N.A. | **7** |  | Protetto contro immersione. *Immersion up to 1 metre.* |
| **8** | | N.A. | **8** |  | Protetto contro immersione/sommersione prolungata. *Immersion beyond 1 metre.* |



## Normative di riferimento — *Reference Standards*

| | Europe EN | World IEC | Italy CEI |
|---|---|---|---|
| **Requisiti genarali per macchine elettriche** *General requirements electrical machines* | EN 60034-1:2010 | *IEC 60034-1:2010* | *CEI EN 60034-1:2010* |
| **Classificazione del grado di protezione** *Classification degree of protection provided by enclosures* | EN 60034-5:2001 | *IEC 60034-5:2001* | *CEI EN 60034-5:2001* |
| **Sistema di raffreddamento** *Cooling system* | EN 60034-6:1993 | *IEC 60034-6:1993* | *CEI EN 60034-6:1993* |
| **Modalità di montaggio** *Mounting arrangements* | EN 60034-7:1993 | *IEC 60034-7:1993* | *CEI EN 60034-7:1993* |

## Tipi di servizi IEC — *IEC duty cycles*

Il servizio di un motore indica il tipo di utilizzo e la gravosità del ciclo di lavoro.

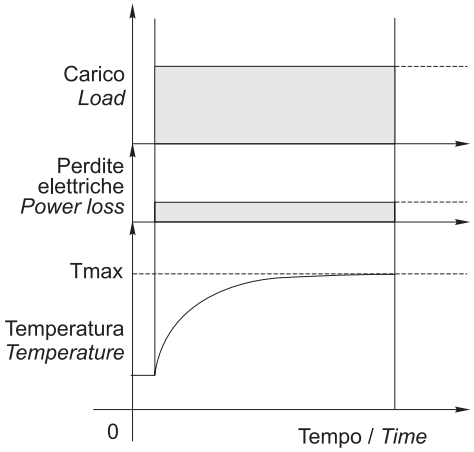
*The duty cycle of a motor indicates its use and running cycle.*

Grafico servizi più comuni

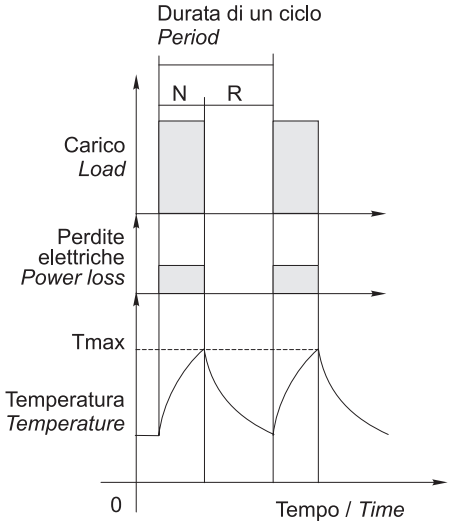
*Most common duty cycles diagram*

N = funzionamento / *run*
R = riposo / *rest*

**S1**




**S2/S3**




NOTA: Lo stesso motore può essere usato per cicli e servizi diversi, con l'unica limitazione che la temperatura interna non superi mai la Tmax stabilita dalla classe di isolamento termico del motore.

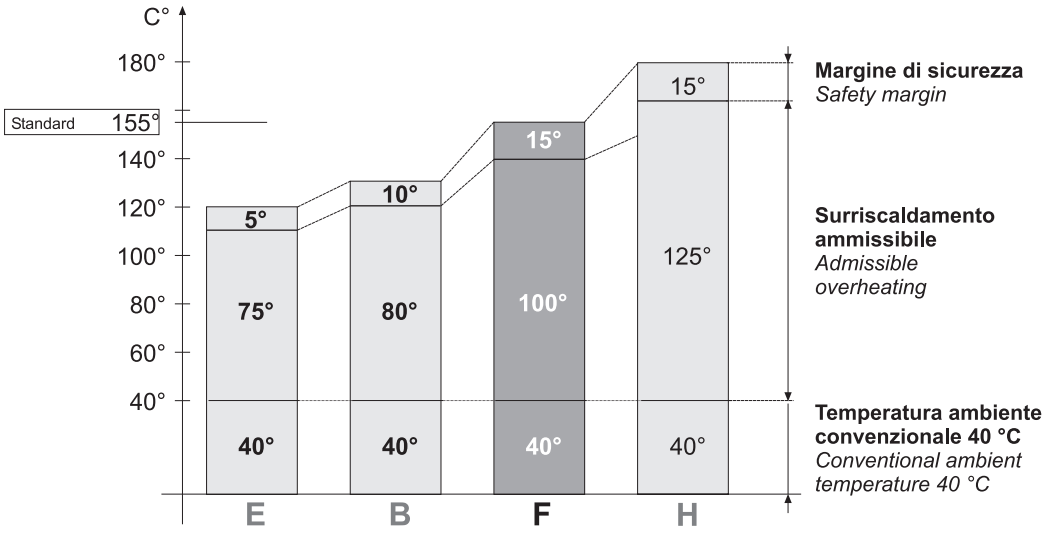
*NOTE: The same motor can run under all duty services, limitation is due to internal temperature that must not override Tmax stated by motor thermal class.*

## Classe di isolamento termico — *Insulation class*

La classe termica indica il grado di resistenza alla temperatura interna, nel punto più caldo (avvolgimenti).
Isolamento termico classe F.

*Thermal insulation class indicates the level of thermal protection measured at the hottest point inside the motor (windings).*
*Thermal insulation class F.*

| **Classe** *Class* | Massima temperatura interna Max. *windings temp.* |
|---|---|
| **E** | 120°C |
| **B** | 130°C |
| **F** | 155°C |
| **H** | 180°C |




## Serie SM - Funzionamento in ambiente 60 Hz — *Series SM - 60 Hz line power supply*

Velocità, coppia e potenza nominale nel funzionamento a 60 Hz varieranno come da tabella:

*Speed, torque and rated power in 60 Hz operation is shown in the following table:*

| | 50 Hz | 60 Hz |
|---|---|---|
| **400 V** | Vedi dati tecnici / *see technical data* N3 pag. | Velocità / *speed* ≈ + 20%<br>Coppia / *torque* ≈ -20%<br>Potenza / *power* ≈ invariata / *the same* |
| **480 V** | **Non permesso / *not allowed*** | Velocità / *speed* ≈ + 20%<br>Coppia / *torque* ≈ invariata / *the same*<br>Potenza / *power* ≈ + 20% |

## Tabella pressacavi — *Table of cable glands data*

### Serie SMT / *SMT Series*

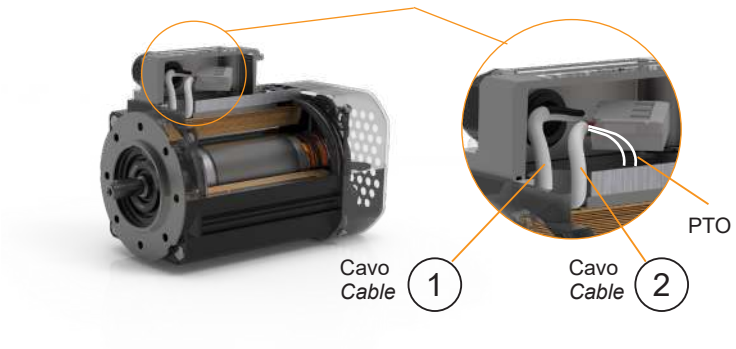
| TAGLIA *SIZE* | Pressacavo *Cable gland* |
|---|---|
| **50 / 56 / 63** | M16x1.5 |
| **71 / 80 / 90** | M20x1.5 |

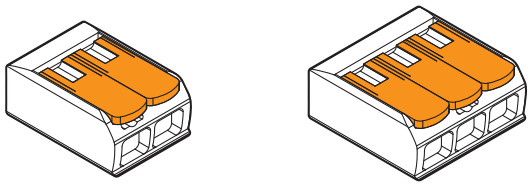
### Serie SMM / *SMM Series*

| TAGLIA *SIZE* | Pressacavo *Cable gland* |
|---|---|
| **50 / 56 / 63** | 2 x M16x1.5 |
| **71 / 80** | M20x1.5 + M16x1.5 |

## Connessioni e collegamenti — *Connection diagram*

Riferimenti — *References*

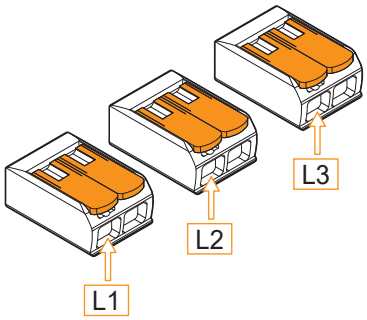


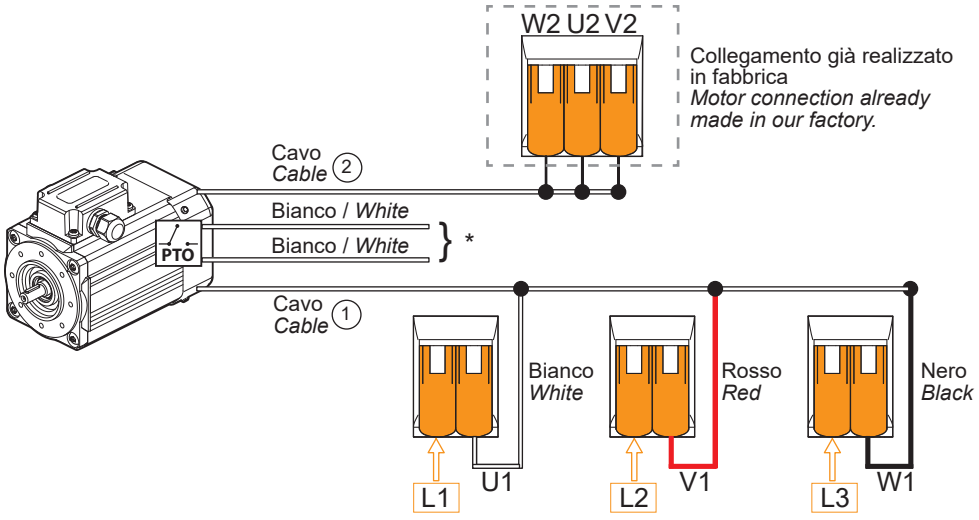
Morsetto di collegamento a leva a 2 e 3 poli
*Splicing connector with lever2 - and 3 - pin.*

## 400/460 V - Trifase / *three phase*

Collegamento a stella / *Star connection*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*



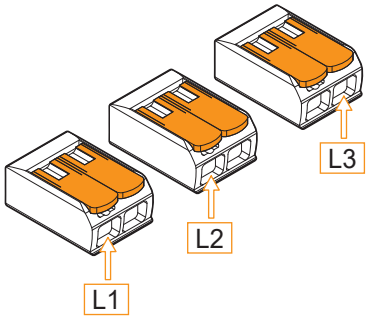

*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno. PTO disponibile per taglie 56, 63, 71,80,90.

*: *motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service. PTO is available for sizes 56, 63, 71, 80, 90.*

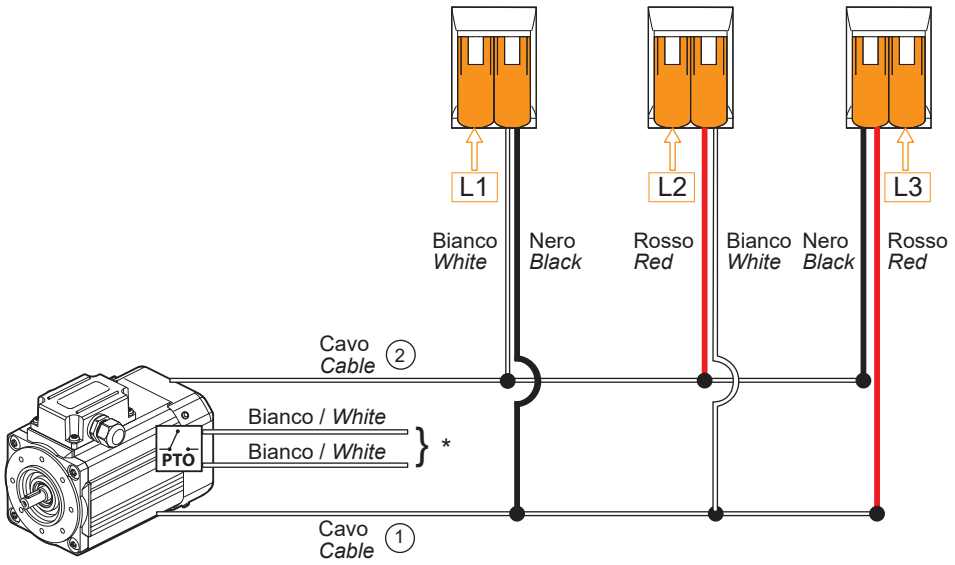
## Connessioni e collegamenti — *Connection diagram*

### 230 V - Trifase / *Three phase*

Collegamento a triangolo / *Delta connection*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*




*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno. PTO disponibile per taglie 56, 63, 71, 80, 90.

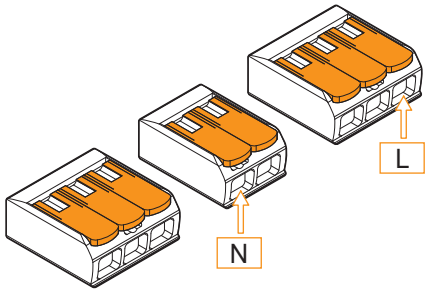
**: motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service. PTO is available for sizes 56, 63, 71, 80, 90.*

I motori della serie SM sono forniti in collegamento a stella, lo schema di collegamento a triangolo sopra riportato fornisce una chiara indicazione delle modifiche che il cliente può apportare in autonomia. Senecessario contattare il Servizio Tecnico Transtecno.

*The SM series is supplied in star connection, the delta connection diagram shown above provides a clear indication of the modification that the customer can make independently. If needed, contact Transtecno Technical Service.*

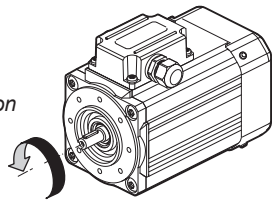
### 230 V - Monofase / *Single phase*

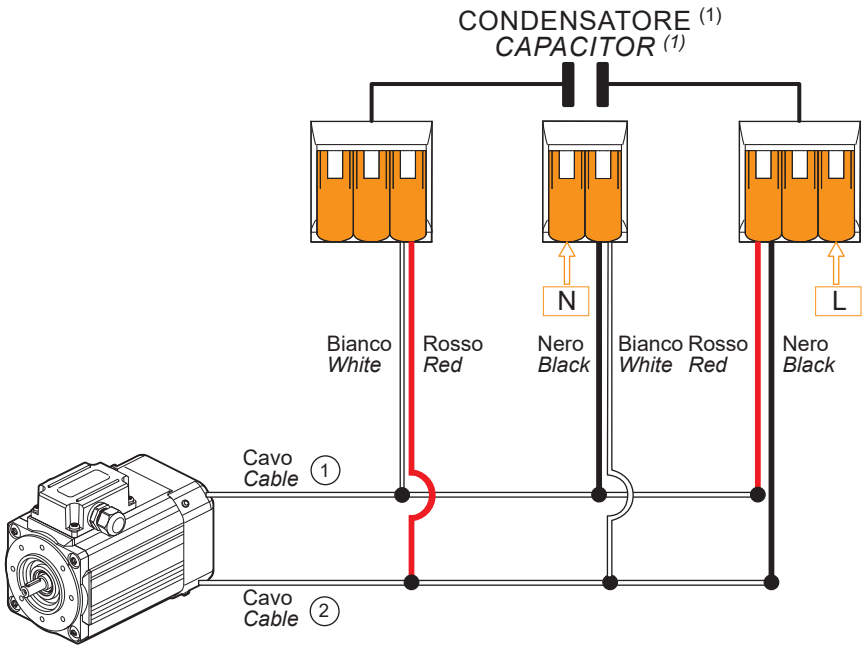
Monofase SMM 50... / *Single phase SMM 50...*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*

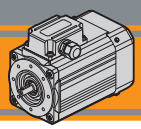
Senso di rotazione antiorario
*Counter-clockwise direction of rotation*






(1): il condensatore sarà fornito a corredo.

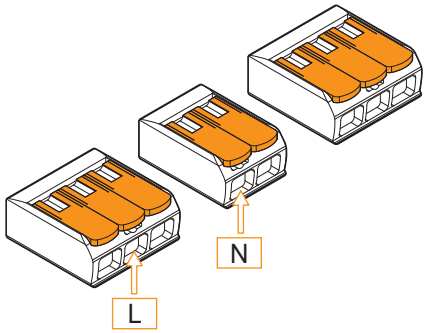
*(1): the capacitor will be supplied separately.*



## Connessioni e collegamenti — *Connection diagram*

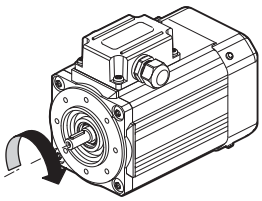
### 230 V - Monofase / *Single phase*

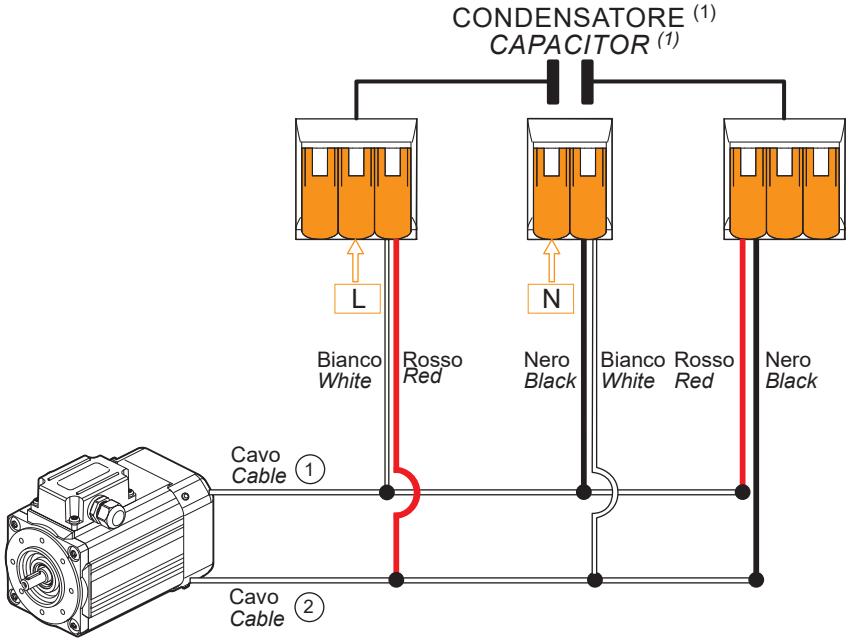
Monofase SMM 50... / *Single phase SMM 50...*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*

Senso di rotazione orario
*Clockwise direction of rotation*



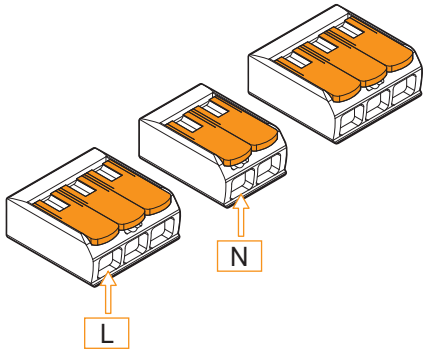



(1): il condensatore sarà fornito a corredo.
*(1): the capacitor will be supplied separately.*

## Connessioni e collegamenti — *Connection diagram*

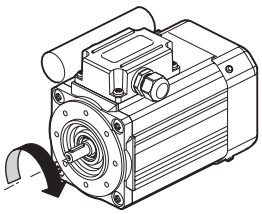
### 230 V - Monofase / *Single phase*

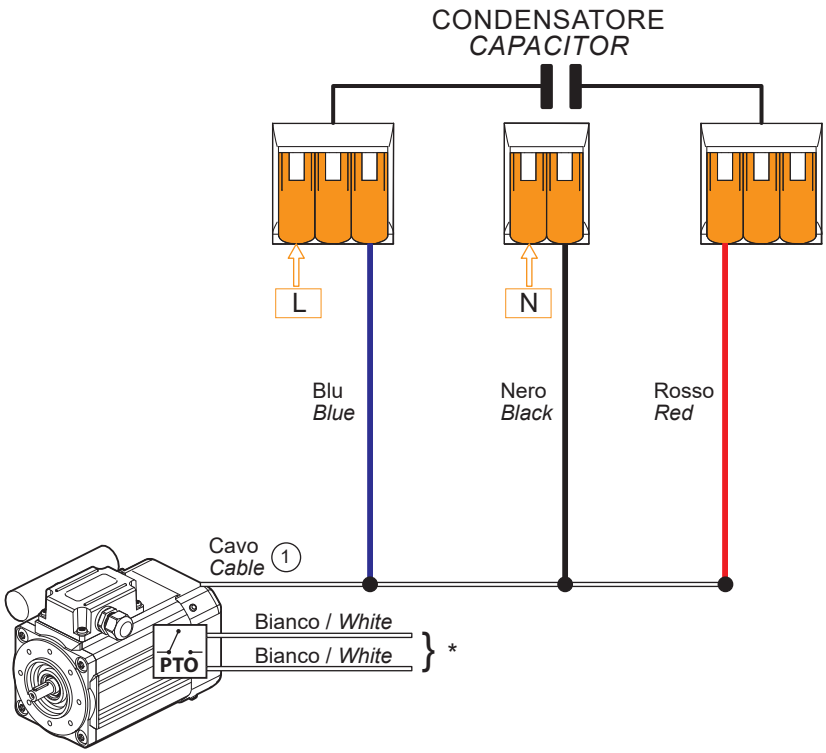
Monofase da SMM 56... a SMM 80... / *Single phase from SMM 56... to SMM 80...*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*

Senso di rotazione orario
*Clockwise direction of rotation*





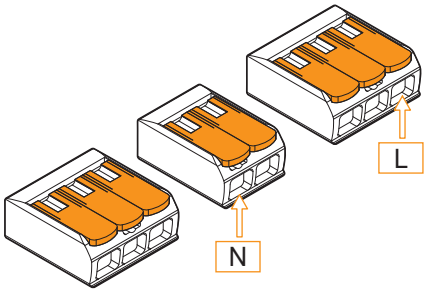

*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno. PTO disponibile per taglie 56, 63, 71, 80.

*: *motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service. PTO is available for sizes 56, 63, 71, 80.*

## Connessioni e collegamenti — *Connection diagram*

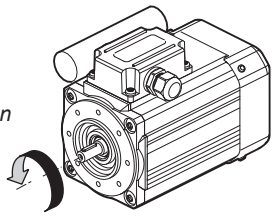
### 230 V - Monofase / *Single phase*

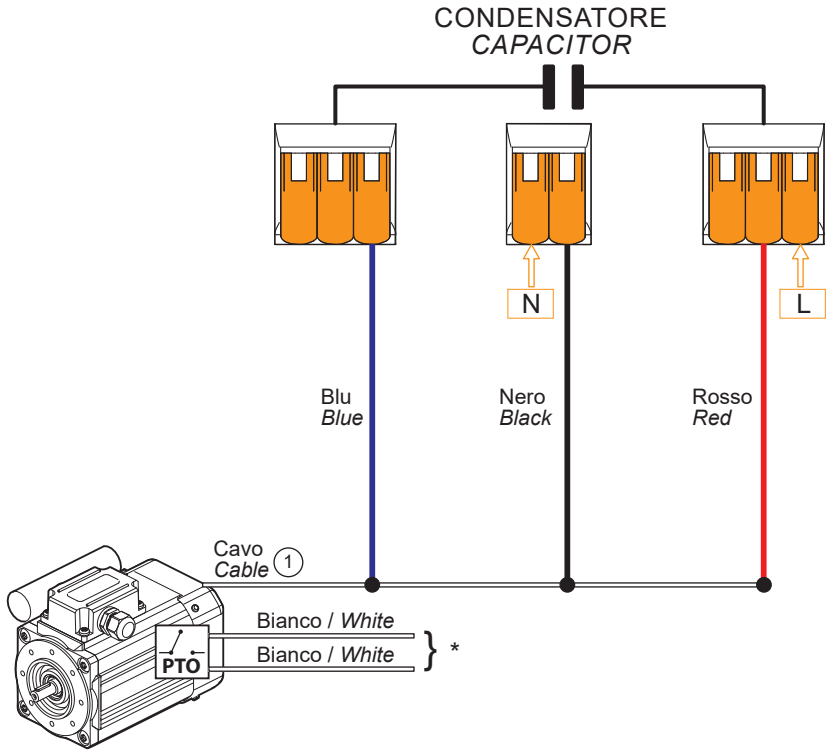
Monofase da SMM 56... a SMM 80... / *Single phase from SMM 56... to SMM 80...*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*

Senso di rotazione antiorario
Counter-*clockwise direction of rotation*

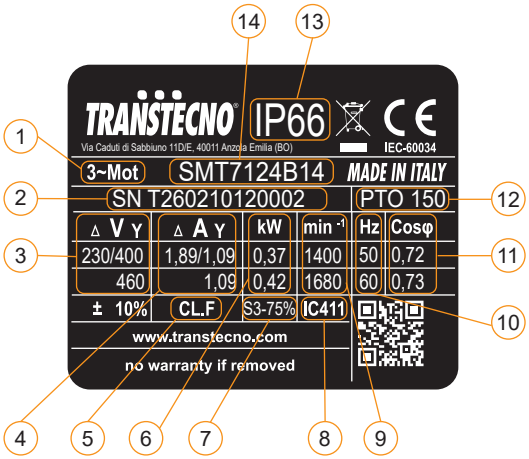





*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno. PTO disponibile per taglie 56, 63, 71, 80.

**: motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service. PTO is available for sizes 56, 63, 71, 80.*

## Targhetta — *Nameplate*




| Pos. | Descrizione | *Description* |
|---|---|---|
| **1** | Tipo di alimentazione | *Power supply* |
| **2** | Numero di serie | *Serial number* |
| **3** | Tensione di alimentazione | *Supply voltage* |
| **4** | Corrente nominale | *Rated current* |
| **5** | Classe di isolamento | *Insulation class* |
| **6** | Potenza nominale | *Rated power* |
| **7** | Servizio | *Duty* |
| **8** | Ventilazione | *Fan cooling* |
| **9** | Velocità nominale | *Rated speed* |
| **10** | Frequenza nominale | *Rated frequency* |
| **11** | Fattore di potenza | *Power factor* |
| **12** | Protezione termica PTO 150°C | *PTO 150°C Thermal protection* |
| **13** | Grado di protezione IP | *IP protection rating* |
| **14** | Tipo motore | *Motor type* |

TRANSTECNO®
the modular gearmotor

# SMT..BR

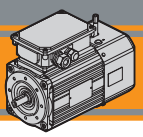
SMT..BR

SM..BR Alu

IP66 TRANSTECNO

## Motori elettrici AC autofrenanti
## AC electric motors with brake





IP66 TRANSTECNO

BRAKE


| Indice | *Index* | Pag. *Page* |
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| Designazione | *Classification* | **O2** |
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| Dati tecnici | *Technical data* | **O3** |
| Dimensioni motori trifase | *Three phase motors dimensions* | **O4** |
| Cava esagonale | *Hexagonal socket* | **O6** |
| Opzione guarnizione CA | *Rubber gasket option* | **O6** |
| Gradi di protezione IP | *IP protection rating* | **O7** |
| Tipo di servizio IEC | *IEC duty cycles* | **O8** |
| Classe di isolamento termico | *Insulation class* | **O8** |
| Tabella pressacavi | *Table of cable glands data* | **O8** |
| Connessioni e collegamenti | *Connection diagram* | **O9** |
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Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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## Caratteristiche tecniche

## *Technical characteristics*

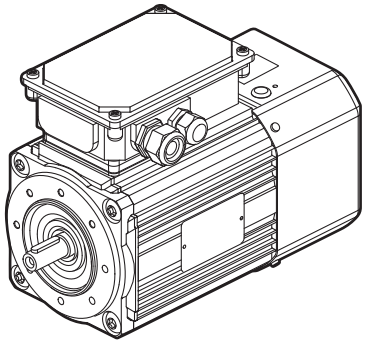
I motori autofrenanti delle serie SMT..BR hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP66 (freno IP66 e IP65)
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente: 0°C / + 40°C (Per utilizzo a temperature diverse contattare il ns. servizio tecnico)
- Disponibili nella versione ventilata TEFC (servizio S1)
- Protezioni termiche PTO 150°C
- Adatti al funzionamento con alimentazione da inverter (Richiedere opzione freno con alimentazione separata)
- SMT80 e SMT90 conformi alla classe di rendimento IE3.

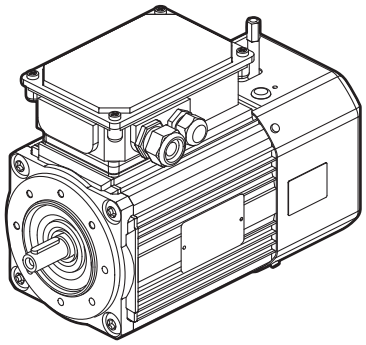
- Cava esagonale su albero motore lato NDE.
- La tolleranza di tensione è ±10% per tutti i motori
- Il freno è a corrente continua

*SMT..BR braked motor range has the following main features:*

- *Compact design*
- *AC three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC electric motor in IP66 protection Standard (IP66 and IP65 brake)*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: 0°C / +40°C (For different temperatures contact Transtecno Technical Dept)*
- *Fan cooled TEFC (duty S1) available*
- *PTO 150°C thermal protection*
- *Suitable to be driven by inverter (Request brake option with separate power supply)*
- *SMT80 and SMT90 in compliance to the Standard efficiency class IE3*
- *Motor shaft hexagon socket on the NDE side*
- *The voltage tolerance is ±10% for all motors*
- *The brake is DC*



**SMT..TEFC BR**



**SMT..TEFC BRL**

IP66 TRANSTECNO

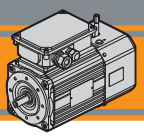
BRAKE

## Designazione

## *Classification*

MOTORE TRIFASE AUTOFRENANTE / *THREE PHASE MOTOR WITH BRAKE*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | BR |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | Freno - Leva di sblocco *Brake - Hand-release lever* |
| **SMT** | Vedi tabelle *See tables* | **1-2-3-4-5** | **4** | **0.18 kW** ... **1.5 kW** | **B14** | **230-400 V** **460V** a richiesta *on request* | **50Hz** **60Hz** | **TEFC** | **BR** **BRL** |
| SMT | | | | | | | | | |
| 3 ~ | | | | | | | | | |



## Simbologia e formule — *Symbols and formulas*

| | | | |
|---|---|---|---|
| $P_n$ | [kW] | Potenza nominale | *Rated power* |
| $I_n$ | [A] | Corrente nominale (a 400V) | *Rated current (at 400V)* |
| $M_n$ | [Nm] | Coppia nominale | *Rated torque* |
| $n_n$ | [rpm] | Velocità nominale | *Rated speed* |
| $M_s$ / $M_n$ | | Rapporto coppia spunto / coppia nominale | *Ratio start torque / rated torque* |
| $M_k$ / $M_n$ | | Rapporto coppia massima / coppia nominale | *Ratio max torque / rated torque* |
| $M_b$ | [Nm] | Coppia frenante | *Braking torque* |
| $I_s$ / $I_n$ | | Rapporto corrente di spunto / corrente nominale | *Ratio start current / rated current* |
| cosφ | | Fattore di potenza al carico nominale | *Power factor at rated torque load* |
| η | | Rendimento al carico nominale | *Efficiency at rated torque load* |
| Potenza *Power* | [HP] | Potenza [kW] x 1.341 | *Power [kW] x 1.341* |
| Potenza resa $P_n$ *$P_n$ output power* | [kW] | Potenza assorbita x η | *Absorbed power x η* |
| Pot. assorbita *Absorbed power* | [kW] | $\frac{V \times I \times \cos\varphi}{1000}$ (monofase)<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ (trifase) | $\frac{V \times I \times \cos\varphi}{1000}$ *(singlephase)*<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ *(threephase)* |
| $I_n$ (230 V) | | In (400 V) x √3 | *In (400 V) x √3* |

## Dati tecnici — *Technical data*

### SMT..BR Motori trifase autofrenanti / *SMT..BR Three phase motors with brake* (230-400 V / 50 Hz) poli / *poles* 4

| | TAGLIA *SIZE* GRÖSSE *MEDIDA* VELIKOST *ROZMIAR* | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [min$^{-1}$] | $I_n$ (400V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | PTO [°C] | Servizio *Duty Service Servicio Provoz Usługa* TEFC | IP Motore *Motor* Motor *Motor* Motor *Silnik* | $M_b$ [Nm] | IP Freno *Brake* Bremse *Freno* Brzda *Hamulec* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **SMT6324B14BR(L)** | 0.18 | 1.26 | 1360 | 0.69 | 57.0 | 0.66 | 2.50 | 2.90 | 2.50 | PTO 150° | S3 75% | **66** | 4 | 66 |
| | **SMT6334B14BR(L)** | 0.25 | 1.74 | 1375 | 0.94 | 62.0 | 0.64 | 2.80 | 3.00 | 2.80 | | | | 4 | 66 |
| | **SMT7124B14BR(L)** | 0.37 | 2.52 | 1400 | 1.10 | 67.9 | 0.72 | 2.75 | 4.20 | 2.75 | | | | 7,5 | 65 |
| | **SMT7134B14BR(L)** | 0.55 | 3.76 | 1395 | 1.55 | 70.2 | 0.73 | 2.90 | 4.40 | 2.90 | | | | 7,5 | 65 |
| IE3 | **SMT8024B14IE3BR(L)** | 0.75 | 4.96 | 1440 | 1.94 | 82.5 | 0.68 | 3.6 | 6.00 | 3.70 | | S1 | | 15 | 65 |
| IE3 | **SMT8034B14IE3BR(L)** | 1.1 | 7.25 | 1450 | 2.91 | 84.1 | 0.65 | 4.0 | 6.80 | 4.40 | | | | 15 | 65 |
| IE3 | **SMT9024B14IE3BR(L)** | 1.5 | 10.0 | 1430 | 3.48 | 85.3 | 0.73 | 3.2 | 6.30 | 3.50 | | | | 20 | 66 |
| IE3 | **SMT9034B14IE3BR(L)** | 2.2 | 14.9 | 1410 | 4.68 | 86.7 | 0.79 | 3.0 | 6.20 | 3.30 | | | | 30 | 65 |

I freni adottati sono freni elettromagnetici ad azione negativa: l'azione frenante viene quindi esercitata in assenza di alimentazione.

Il freno è a corrente continua e, in configurazione standard, viene alimentato a 230 $V_{ac}$ / 50Hz direttamente da una fase del motore, passando attraverso un raddrizzatore alloggiato all'interno della morsettiera. Per le applicazioni in cui si rende necessario, come ad esempio l'azionamento tramite inverter, è possibile richiedere l'alimentazione del freno separata 230Vac ±10% 50Hz. Sono disponibili anche le versioni 400Vac ±10% 50Hz o 24Vdc.

La leva di sblocco è una opzione che va specificata in fase di ordine.

*The brakes adopted are negative action electromagnetic brakes: the braking action is performed in the absence of power.*

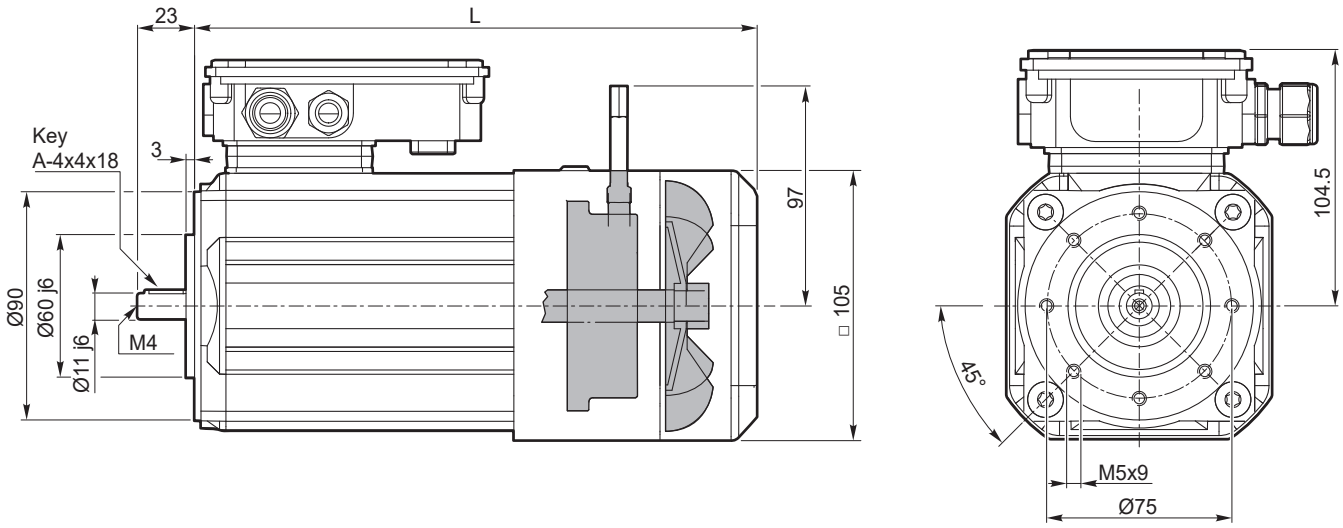
*The brake is DC and, in standard configuration, is powered at 230 $V_{ac}$ / 50Hz directly by a phase of the motor, passing through a rectifier housed inside the terminal block. For the applications in which it is required, like the ones with motor driven by inverter, it is possible to request 230Vac ± 10% 50Hz separate brake power supply. 400Vac ± 10% 50Hz or 24Vdc power supply are available on request.*

*The release lever is an option that must be requested when ordering.*

**Dimensioni motori trifase** | ***Three phase motors dimensions***

3 ~

## SMT63.. - B14 - TEFC - BR (L)



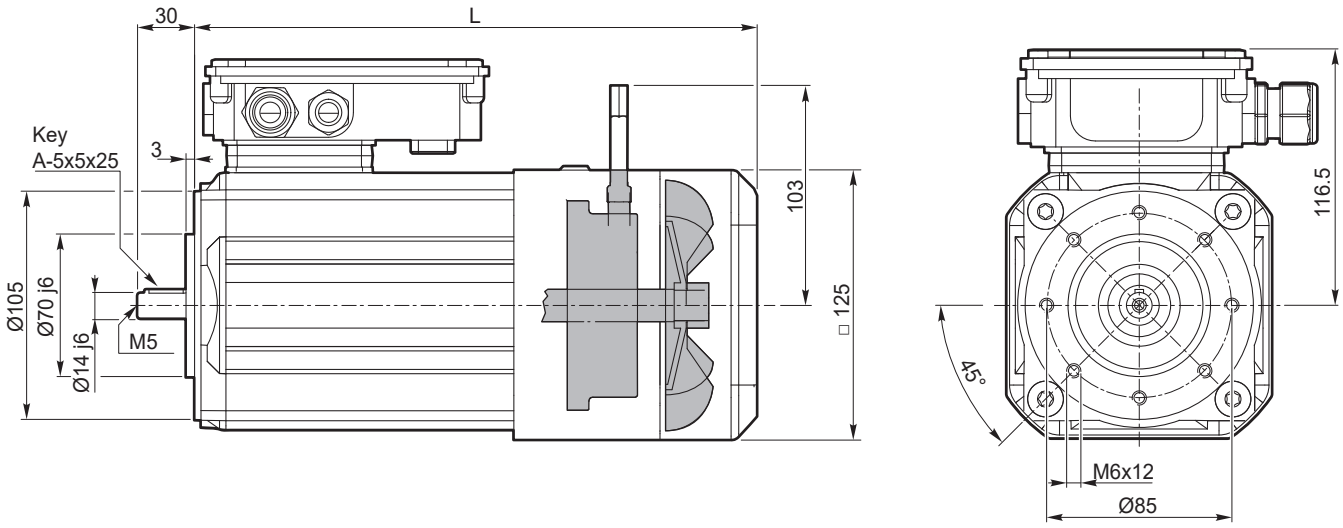

**Nota:**
La leva di sblocco è una opzione che va specificata in fase di ordine.

***Note:***
*The release lever is an option that must be requested when ordering.*

| SMT..BR | ... TEFC | |
|---|---|---|
| | L | Kg |
| **6324** | 211 | 5.8 |
| **6334** | 226 | 6.5 |

3 ~

## SMT71.. - B14 - TEFC - BR (L)




**Nota:**
La leva di sblocco è una opzione che va specificata in fase di ordine.

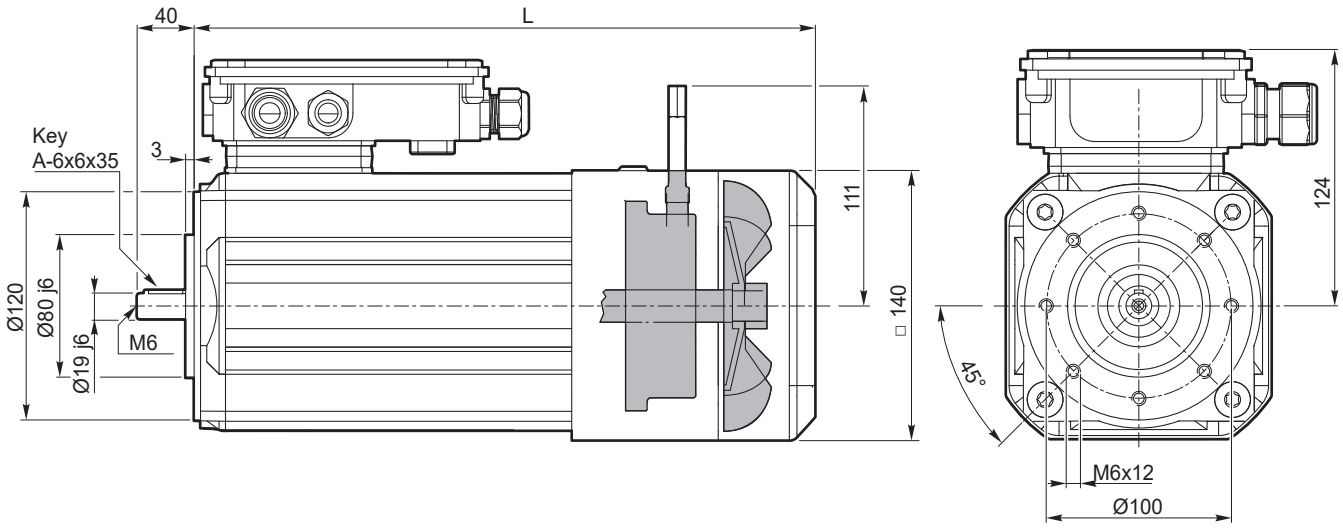
***Note:***
*The release lever is an option that must be requested when ordering.*

| SMT..BR | ... TEFC | |
|---|---|---|
| | L | Kg |
| **7124** | 221 | 7.8 |
| **7134** | 236 | 8.9 |

**Dimensioni motori trifase** *Three phase motors dimensions*

3 ~

## SMT80.. - B14 - TEFC - BR (L)



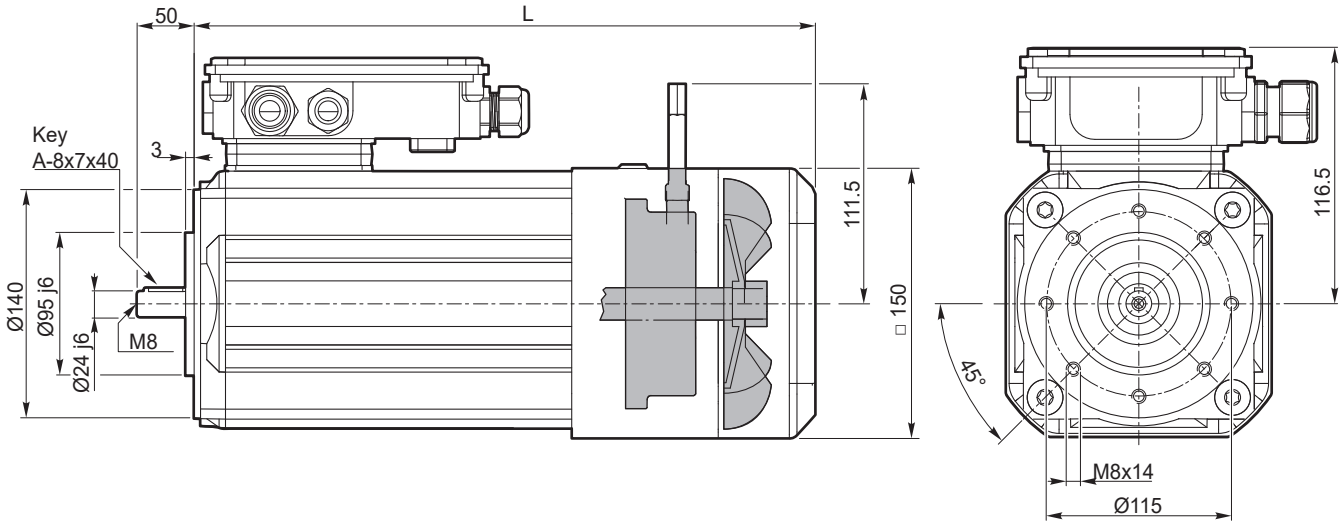

**Nota:**
La leva di sblocco è una opzione che va specificata in fase di ordine.

***Note:***
*The release lever is an option that must be requested when ordering.*

| SMT..BR | ... TEFC | |
|---|---|---|
| | L | Kg |
| **8024** | 279.5 | 13.6 |
| **8034** | 329.5 | 17.9 |

3 ~

## SMT90.. - B14 - TEFC / TENV



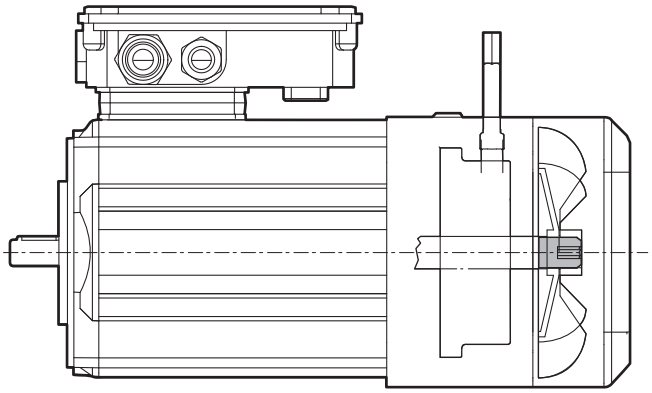

**Nota:**
La leva di sblocco è una opzione che va specificata in fase di ordine.

***Note:***
*The release lever is an option that must be requested when ordering.*

| SMT..BR | ... TEFC | |
|---|---|---|
| | L | Kg |
| **9024** | 343 | 20.6 |
| **9034** | 373 | 24.7 |

| SMT..BRL | ... TEFC | | |
|---|---|---|---|
| | L | H | Kg |
| **9024** | 343 | 111.5 | 20.9 |
| **9034** | 367 | 138 | 25 |

## Cava esagonale — *Hexagonal socket*






**Esagono / *Hexagon***

| SM.. | E |
|---|---|
| 63 | 4 |
| 71 | 6 |
| 80 | |
| 90 | |

**Nota:**

Installare a monte dell'alimentazione un dispositivo che assicuri la disconnessione della rete omnipolare, durante le operazioni di rotazione manuale è obbligatorio l'utilizzo di tale sezionatore.

Il quadro elettrico del motore deve essere lucchettabile al fine di evitare il riarmo non previsto alla rete elettrica.

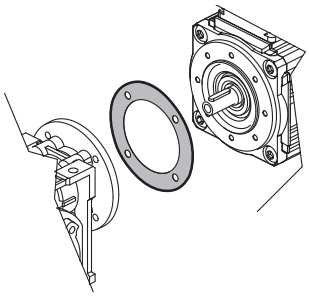
E' severamente vietata la messa in servizio del motore elettrico senza copriventola opportunamente montata.

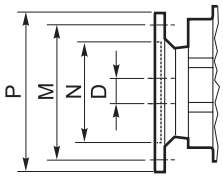
***Note:***

*An omnipolar cut-off device must be fitted upstream of the power supply; the use of this device is mandatory during manual rotation operations.*

*The switchgear for the motor must be padlockable in order to prevent the power supply from being accidentally reset. It is strictly prohibited to put the electric motor into service if the fan cover is not fitted.*

## Opzione guarnizione CA — *Rubber gasket option*






| Dimensioni IEC / *IEC Dimensions* | | | | |
|---|---|---|---|---|
| | 63 B14 | 71 B14 | 80 B14 | 90 B14 |
| N | 60 | 70 | 80 | 95 |
| M | 75 | 85 | 100 | 115 |
| P | 90 | 105 | 120 | 140 |
| D | 11 | 14 | 19 | 24 |

## Grado di protezione IP

## *IP protection rating*

Indica il grado di isolamento meccanico del corpo motore.

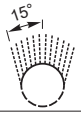
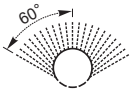
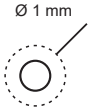
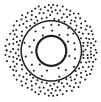
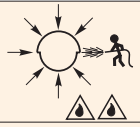
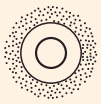
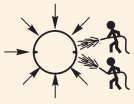
1ª cifra protezione alla penetrazione di corpi solidi.

2ª cifra protezione contro la penetrazione d'acqua.

*IP protection rating indicates the degree of mechanical insulation of the motor casing.*

*The 1st figure indicates the level of protection against the intrusion of solid matter.*

*The 2nd figure indicates to which degree the motor is waterproof.*

| IP | | Definizione / *Description* | IP | | Definizione / *Description* |
|---|---|---|---|---|---|
| 0 | | Non protetto / *No protection* | 0 | | Non protetto / *No protection* |
| 1 |  | Protetto da corpi solidi superiori a Ø 50 mm.<br>*Protected against solid matter (over Ø 50 mm).* | 1 |  | Protetto contro la caduta verticale di gocce d'acqua.<br>*Protected against drops of water falling vertically.* |
| 2 |  | Protetto da corpi solidi superiori a Ø 12 mm.<br>*Protected against solid matter (over Ø 12 mm).* | 2 |  | Protetto contro la caduta verticale di gocce d'acqua con inclinazione max di 15°.<br>*Protected against drops of water falling up to 15°.* |
| 3 |  | Protetto da corpi solidi superiori a Ø 2.5 mm.<br>*Protected against solid matter (over Ø 2.5 mm).* | 3 |  | Protetto contro la pioggia.<br>*Rain proof.* |
| 4 |  | Protetto da corpi solidi superiori a Ø1 mm.<br>*Protected against solid matter (over Ø1 mm).* | 4 |  | Protetto contro gli spruzzi.<br>*Splash proof.* |
| 5 |  | Protetto contro la polvere.<br>*Dust protected.* | 5 |  | Protetto contro getti d'acqua.<br>*Water jet proof.* |
| 6 |  | Totalmente protetto contro la polvere.<br>*Fully dust tight.* | 6 |  | Protetto dalle ondate.<br>*Waveproof.* |
| 7 | | N.A. | 7 |  | Protetto contro immersione.<br>*Immersion up to 1 metre.* |
| 8 | | N.A. | 8 |  | Protetto contro immersione/sommersione prolungata.<br>*Immersion beyond 1 metre.* |

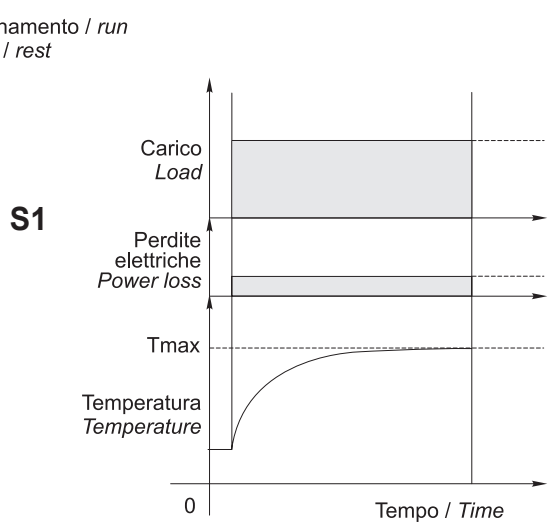
## Tipi di servizi IEC — *IEC duty cycles*

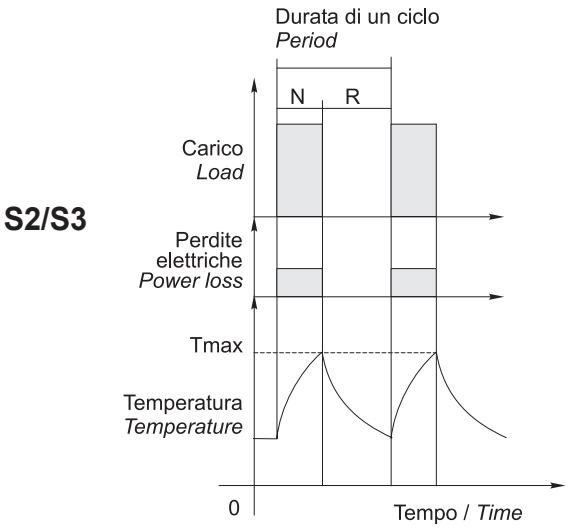
Il servizio di un motore indica il tipo di utilizzo e la gravosità del ciclo di lavoro.

*The duty cycle of a motor indicates its use and running cycle.*

Grafico servizi più comuni — *Most common duty cycles diagram*

N = funzionamento / *run*
R = riposo / *rest*




NOTA: Lo stesso motore può essere usato per cicli e servizi diversi, con l'unica limitazione che la temperatura interna non superi mai la Tmax stabilita dalla classe di isolamento termico del motore.

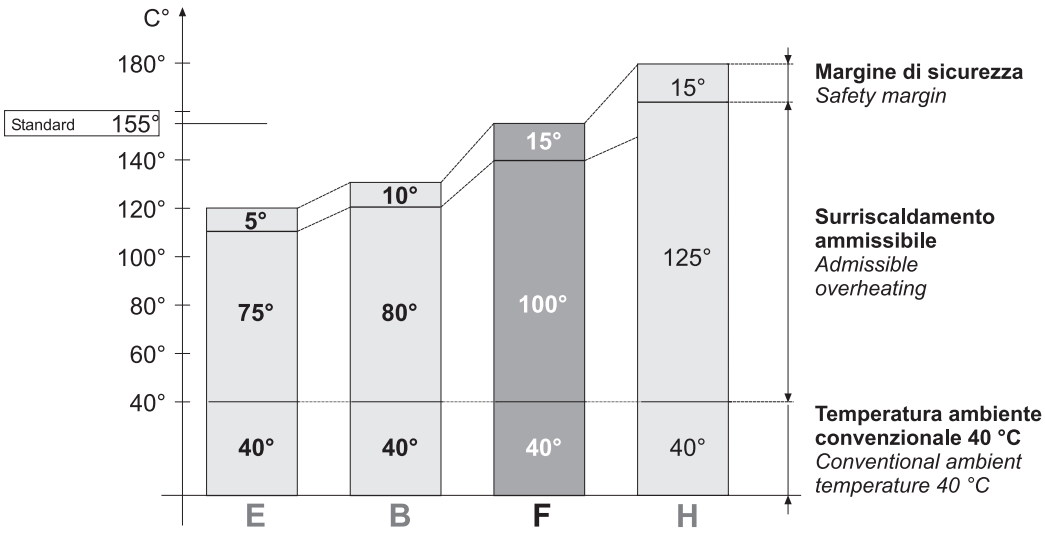
*NOTE: The same motor can run under all duty services, limitation is due to internal temperature that must not override Tmax stated by motor thermal class.*

## Classe di isolamento termico — *Insulation class*

La classe termica indica il grado di resistenza alla temperatura interna, nel punto più caldo (avvolgimenti).
Isolamento termico classse F.

*Thermal insulation class indicates the level of thermal protection measured at the hottest point inside the motor (windings).*
*Thermal insulation class F.*

| **Classe** ***Class*** | Massima temperatura interna Max. *windings temp.* |
|---|---|
| **E** | 120°C |
| **B** | 130°C |
| **F** | 155°C |
| **H** | 180°C |



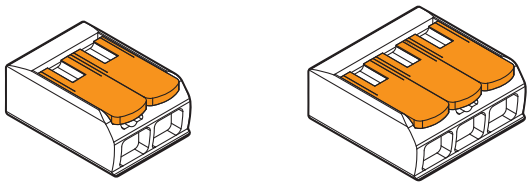

## Tabella pressacavi — *Table of cable glands data*

### Serie SMT..BR / *SMT..BR Series*

| **TAGLIA** ***SIZE*** | **Pressacavo** ***Cable gland*** |
|---|---|
| **63 / 71 / 80 / 90** | 1x M20x1.5 |

## Connessioni e collegamenti — *Connection diagram*

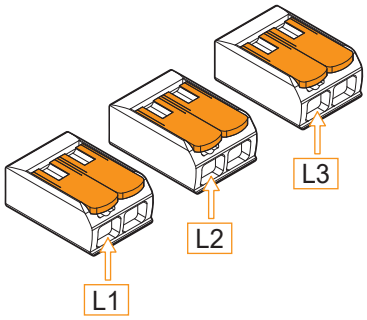
Riferimenti — *References*



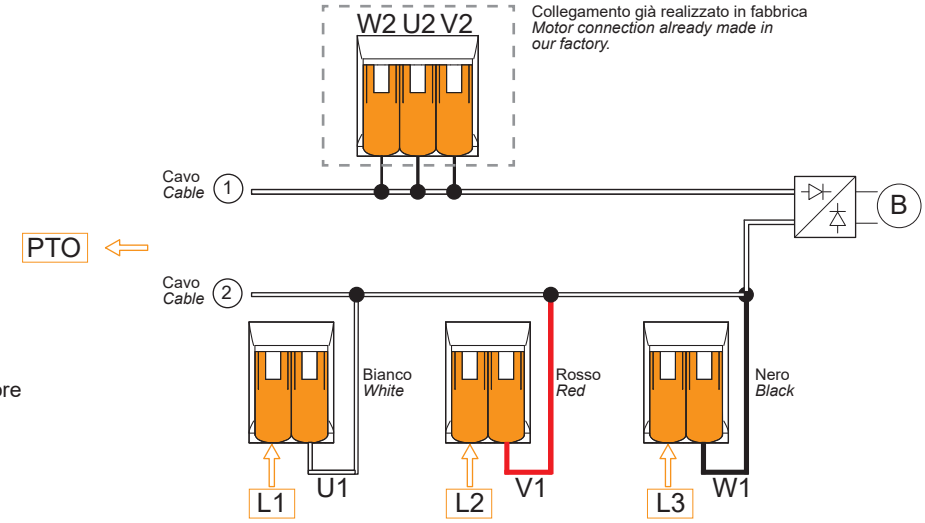
Morsetto di collegamento a leva a 2 e 3 poli
*Splicing connector with lever2 - and 3 - pin.*

### 400/460 V - Trifase / *three phase*

Collegamento a stella / *Star connection*

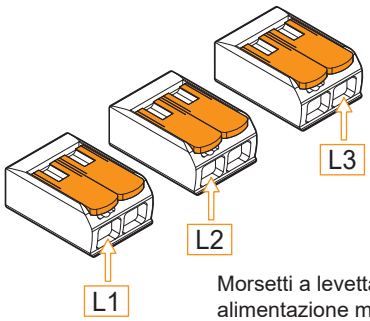



Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*



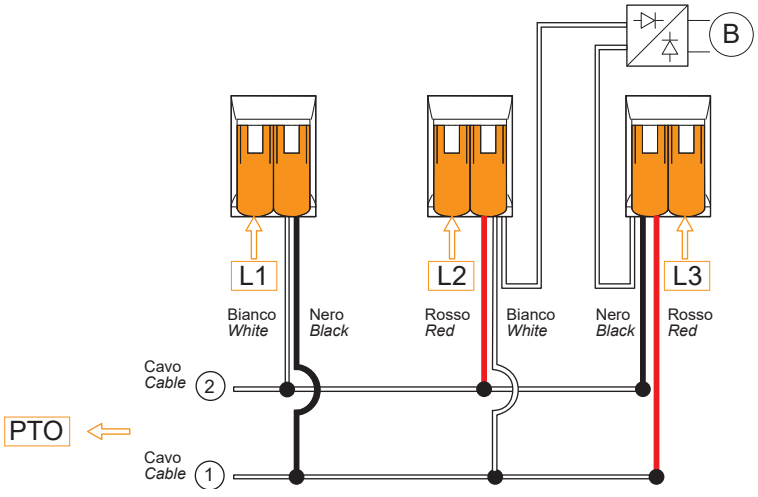

### 230 V - Trifase / *three phase*

Collegamento a triangolo / *Delta connection*




Morsetti a levetta liberi per alimentazione motore

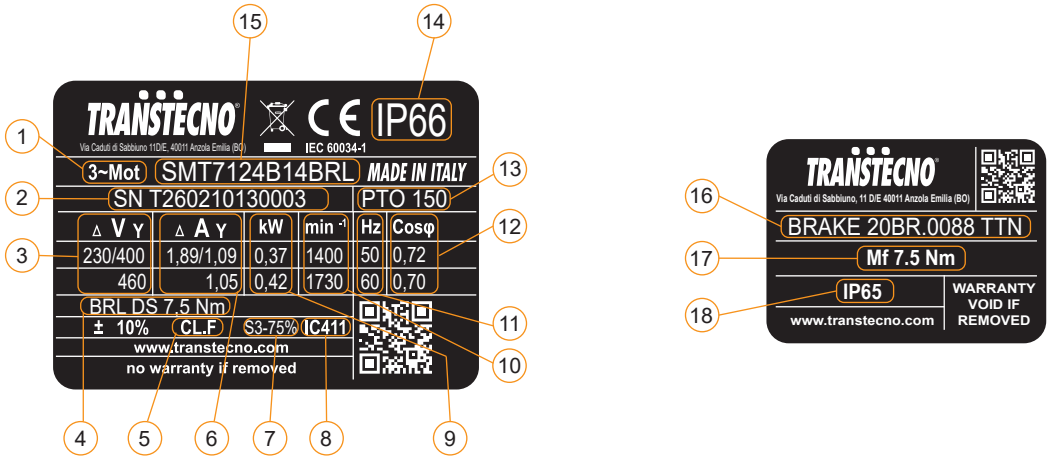
*Splicing connector with free-lever for the motor power source*




I motori della serie SM sono forniti in collegamento a stella, lo schema di collegamento a triangolo sopra riportato fornisce una chiara indicazione delle modifiche che il cliente può apportare in autonomia. Se necessario contattare il Servizio Tecnico Transtecno.

*The SM series is supplied in star connection, the delta connection diagram shown above provides a clear indication of the modification that the customer can make independently. If needed, contact Transtecno Technical Service.*

## Targhetta — *Nameplate*




| Pos. | Descrizione | *Description* |
|---|---|---|
| **1** | Tipo di alimentazione | *Power supply* |
| **2** | Numero di serie | *Serial number* |
| **3** | Tensione di alimentazione | *Supply voltage* |
| **4** | Tipo freno | *Brake type* |
| **5** | Classe di isolamento | *Insulation class* |
| **6** | Corrente nominale | *Rated current* |
| **7** | Servizio | *Duty* |
| **8** | Ventilazione | *Fan cooling* |
| **9** | Potenza nominale | *Rated power* |
| **10** | Velocità nominale | *Rated speed* |
| **11** | Frequenza nominale | *Rated frequency* |
| **12** | Fattore di potenza | *Power factor* |
| **13** | Protezione termica PTO 150°C | *PTO 150°C Thermal protection* |
| **14** | Grado di protezione IP motore | *Motor IP protection rating* |
| **15** | Tipo motore | *Motor type* |
| **16** | Codice freno | *Brake code* |
| **17** | Coppia frenante | *Braking torque* |
| **18** | Grado di protezione IP freno | *Brake IP protection rating* |

TRANSTECNO®
the modular gearmotor

# SMT..SV

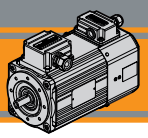
SMT..SV

SM..SV Alu

IP66 TRANSTECNO

## Motori elettrici AC servoventilati
## AC electric motors with forced-ventilation





IP66 TRANSTECNO

SERVOFAN


| Indice | *Index* | Pag. *Page* |
|---|---|---|
| Caratteristiche tecniche | *Technical features* | **P2** |
| Designazione | *Classification* | **P2** |
| Simbologia e formule | *Symbols and formulas* | **P3** |
| Dati tecnici | *Technical data* | **P3** |
| Dimensioni motori trifase | *Three phase motors dimensions* | **P4** |
| Opzione guarnizione CA | *Rubber gasket option* | **P6** |
| Gradi di protezione IP | *IP protection rating* | **P6** |
| Tipo di servizio IEC | *IEC duty cycles* | **P7** |
| Classe di isolamento termico | *Insulation class* | **P7** |
| Serie SM - Funzionamento a 60 Hz | *Series SM - 60 Hz line power supply* | **P8** |
| Tabella pressacavi | *Table of cable glands data* | **P8** |
| Connessioni e collegamenti - Motore | *Connection diagram - Motor* | **P8** |
| Connessioni e collegamenti - Servoventola | *Connection diagram - Servo fan* | **P10** |
| Targhetta | *Nameplate* | **P10** |


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## Caratteristiche tecniche

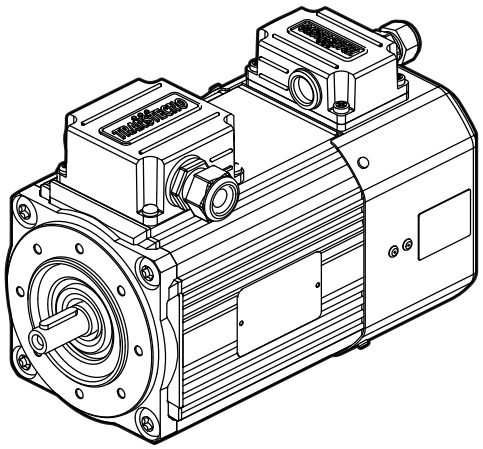
## *Technical characteristics*

I motori delle serie SMT..SV hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP 66 (solo motore - servoventola con grado di protezione IP44)
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente: 0°C / + 40°C (Per utilizzo a temperature diverse contattare il ns. servizio tecnico)
- Protezioni termiche PTO 150°C
- Adatti al funzionamento con alimentazione da inverter
- SMT80 e SMT90 conformi alla classe di rendimento IE3.
- La tolleranza di tensione è ±10% per tutti i motori

*SMT..SV motor range has the following main features:*

- *Compact design*
- *AC three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC Electric motors with IP66 Protection standard (only motor - Servo fan with IP44 protection Standard)*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: 0°C / +40°C (For different temperatures contact Transtecno Technical Dept)*
- *PTO 150°C thermal protection*
- *Suitable to be driven by inverter*
- *SMT80 and SMT90 in compliance to the Standard efficiency class IE3*
- *The voltage tolerance is ±10% for all motors*



IP66 TRANSTECNO

SERVOFAN

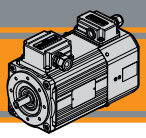
**SMT..SV**

## Designazione

## *Classification*

MOTORE TRIFASE SERVOVENTILATO / *THREE PHASE MOTOR WITH FORCED-VENTIALTION*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | SV |
|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | Ventilazione *Fan cooling* |
| **SMT** | Vedi tabelle *See tables* | **1-2-3-4-5** | **4** | **0.18 kW** ... **2.2 kW** | **B14** | **230-400 V** **460V** a richiesta *on request* | **50Hz** **60Hz** | **SV** |
| SMT | | | | | | | | |
| 3 ~ | | | | | | | | |



## Simbologia e formule — *Symbols and formulas*

| | | | |
|---|---|---|---|
| $P_n$ | [kW] | Potenza nominale | *Rated power* |
| $I_n$ | [A] | Corrente nominale (a 400V) | *Rated current (at 400V)* |
| $M_n$ | [Nm] | Coppia nominale | *Rated torque* |
| $n_n$ | [rpm] | Velocità nominale | *Rated speed* |
| $M_s$ / $M_n$ | | Rapporto coppia spunto / coppia nominale | *Ratio start torque / rated torque* |
| $M_k$ / $M_n$ | | Rapporto coppia massima / coppia nominale | *Ratio max torque / rated torque* |
| $I_s$ / $I_n$ | | Rapporto corrente di spunto / corrente nominale | *Ratio start current / rated current* |
| cosφ | | Fattore di potenza al carico nominale | *Power factor at rated torque load* |
| η | | Rendimento al carico nominale | *Efficiency at rated torque load* |
| $P_{sf}$ | [W] | Potenza assorbita servoventola | *Electric fan power* |
| Potenza *Power* | [HP] | Potenza [kW] x 1.341 | *Power [kW] x 1.341* |
| Potenza resa $P_n$ *$P_n$ output power* | [kW] | Potenza assorbita x η | *Absorbed power x η* |
| Pot. assorbita *Absorbed power* | [kW] | $\frac{V \times I \times \cos\varphi}{1000}$ (monofase)<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ (trifase) | $\frac{V \times I \times \cos\varphi}{1000}$ *(singlephase)*<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ *(threephase)* |
| $I_n$ (230 V) | | In (400 V) x √3 | *In (400 V) x √3* |

## Dati tecnici — *Technical data*

### SMT..SV Motori trifase servoventilati / *SMT..SV Three phase motors with forced-ventilation* (230-400 V / 50 Hz) poli / *poles* 4

| | TAGLIA *SIZE* | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [min$^{-1}$] | $I_n$ (400V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | PTO [°C] | Servizio *Duty* SV | IP Motore *Motor* | IP Servoventola Foced vent. | $P_{sf}$ [W] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | SMT6324B14.SV | 0.18 | 1.26 | 1360 | 0.69 | 57.0 | 0.66 | 2.50 | 2.90 | 2.50 | PTO 150° | S3 75% | 66 | 44 | 11-9 |
| | SMT6334B14.SV | 0.25 | 1.74 | 1375 | 0.94 | 62.0 | 0.64 | 2.80 | 3.00 | 2.80 | | | | 44 | 11-9 |
| | SMT6344B14.SV | 0.37 | 2.60 | 1360 | 1.24 | 65.3 | 0.66 | 2.70 | 3.00 | 2.70 | | | | 44 | 11-9 |
| | SMT7124B14.SV | 0.37 | 2.52 | 1400 | 1.10 | 67.9 | 0.72 | 2.75 | 4.20 | 2.75 | | | | 44 | 14-16 |
| | SMT7134B14.SV | 0.55 | 3.76 | 1395 | 1.55 | 70.2 | 0.73 | 2.90 | 4.40 | 2.90 | | | | 44 | 14-16 |
| | SMT7144B14.SV | 0.75 | 5.09 | 1405 | 2.00 | 74.0 | 0.73 | 2.90 | 5.00 | 2.90 | | | | 44 | 14-16 |
| IE3 | SMT8024B14IE3.SV | 0.75 | 4.96 | 1440 | 1.94 | 82.5 | 0.68 | 3.6 | 6.00 | 3.70 | | S1 | | 44 | 14-16 |
| IE3 | SMT8034B14IE3.SV | 1.1 | 7.25 | 1450 | 2.91 | 84.1 | 0.65 | 4.0 | 6.80 | 4.40 | | | | 44 | 14-16 |
| IE3 | SMT9024B14IE3.SV | 1.5 | 10.0 | 1430 | 3.48 | 85.3 | 0.73 | 3.2 | 6.30 | 3.50 | | | | 44 | 30-26 |
| IE3 | SMT9034B14IE3.SV | 2.2 | 14.9 | 1410 | 4.68 | 86.7 | 0.79 | 3.0 | 6.20 | 3.30 | | | | 44 | 30-26 |

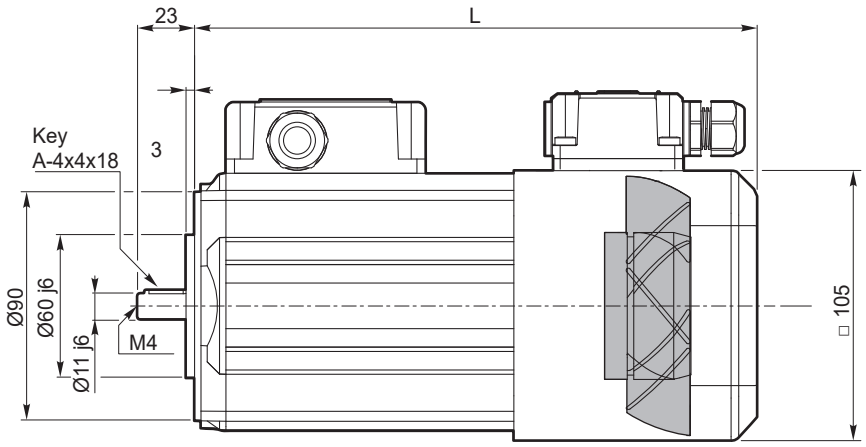
Alimentazione della servoventola: 200-240 Vac / 50-60 Hz

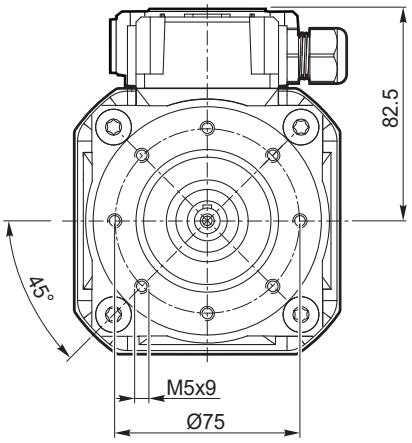
*Forced ventilation supply voltage: 200-240 Vac / 50-60 Hz*

**Dimensioni motori trifase** *Three phase motors dimensions*

3 ~

## SMT63.. - B14 - SV

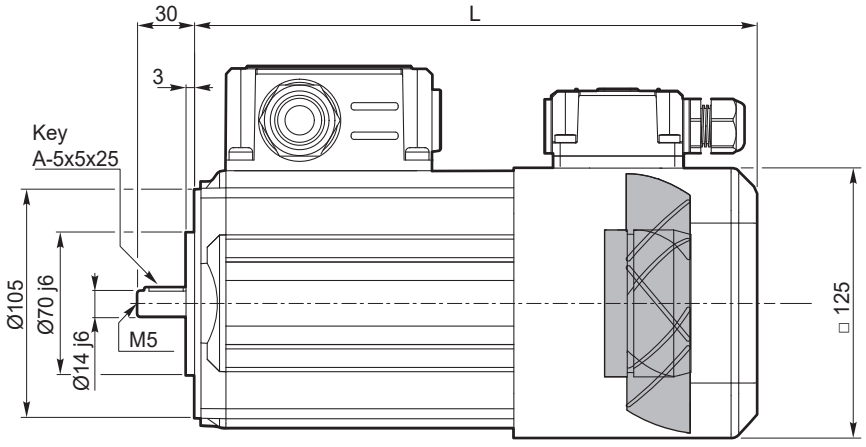


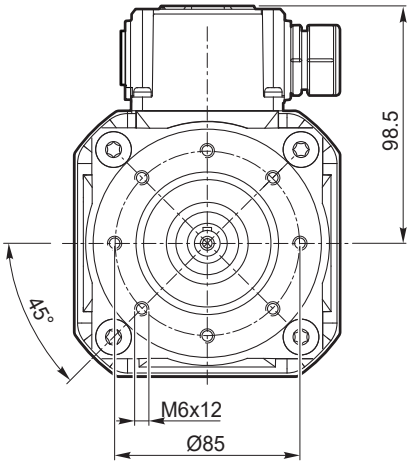




| SMT | ... SV | |
|---|---|---|
| | L | Kg |
| **6324** | 210 | 5.0 |
| **6334** | 225 | 5.7 |
| **6344** | 250 | 6.8 |

3 ~

## SMT71.. - B14 - SV



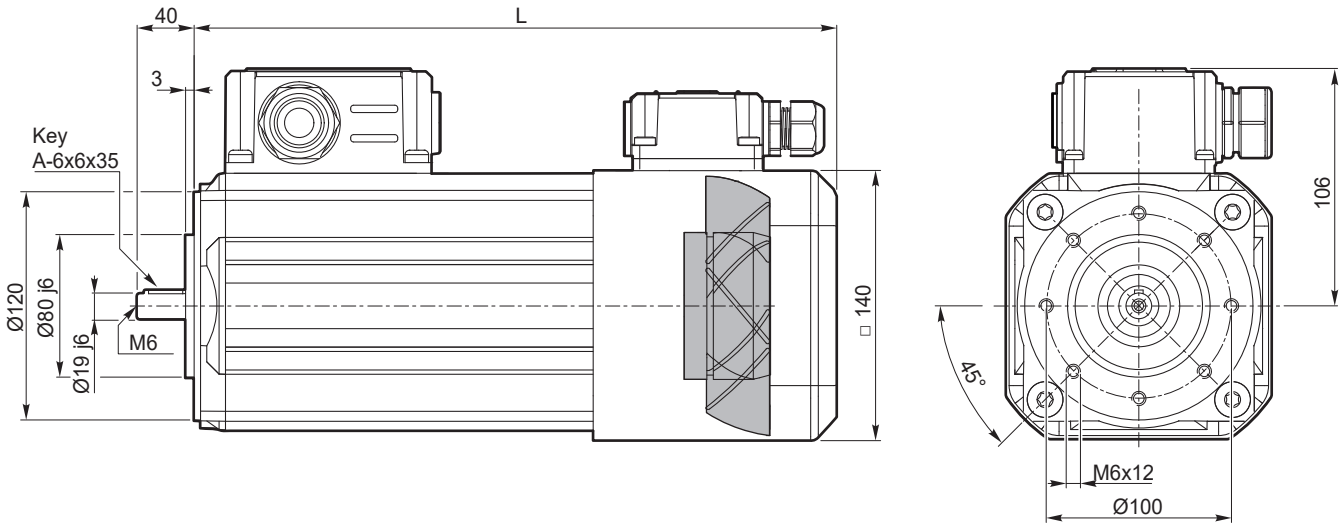




| SMT | ... SV | |
|---|---|---|
| | L | Kg |
| **7124** | 219 | 7.5 |
| **7134** | 234 | 8.5 |
| **7144** | 259 | 10.2 |

**Dimensioni motori trifase** *Three phase motors dimensions*

3 ~

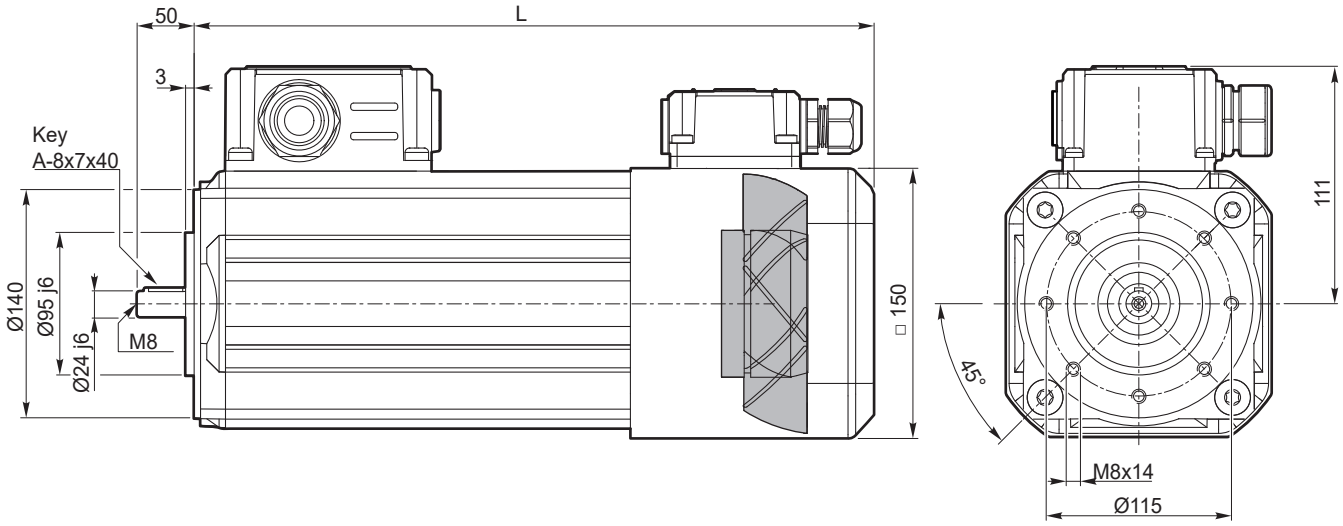
## SMT80.. - B14 - SV




| SMT | ... SV | |
|---|---|---|
| | L | Kg |
| **8024** | 278 | 12.7 |
| **8034** | 328 | 17 |

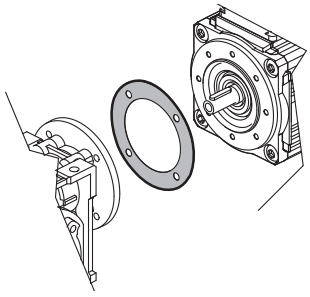
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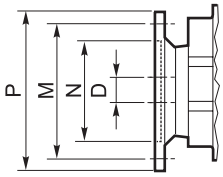
## SMT90.. - B14 - SV




| SMT | ... SV | |
|---|---|---|
| | L | Kg |
| **9024** | 341 | 19.3 |
| **9034** | 371 | 22.6 |

## Opzione guarnizione CA — *Rubber gasket option*






| Dimensioni IEC / *IEC Dimensions* | | | | |
|---|---|---|---|---|
| | **63 B14** | **71 B14** | **80 B14** | **90 B14** |
| **N** | 60 | 70 | 80 | 95 |
| **M** | 75 | 85 | 100 | 115 |
| **P** | 90 | 105 | 120 | 140 |
| **D** | **11** | **14** | **19** | **24** |

## Grado di protezione IP — *IP protection rating*

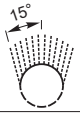
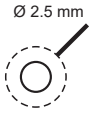
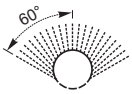
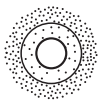
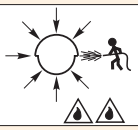
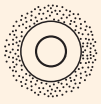
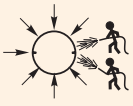
Indica il grado di isolamento meccanico del corpo motore.
1ª cifra protezione alla penetrazione di corpi solidi.

2ª cifra protezione contro la penetrazione d'acqua.

*IP protection rating indicates the degree of mechanical insulation of the motor casing.*

*The 1st figure indicates the level of protection against the intrusion of solid matter.*

*The 2nd figure indicates to which degree the motor is waterproof.*

| IP | | Definizione / *Description* | IP | | Definizione / *Description* |
|---|---|---|---|---|---|
| **0** | | Non protetto / *No protection* | **0** | | Non protetto / *No protection* |
| **1** |   | Protetto da corpi solidi superiori a Ø 50 mm. *Protected against solid matter (over Ø 50 mm).* | **1** |  | Protetto contro la caduta verticale di gocce d'acqua. *Protected against drops of water falling vertically.* |
| **2** |   | Protetto da corpi solidi superiori a Ø 12 mm. *Protected against solid matter (over Ø 12 mm).* | **2** |   | Protetto contro la caduta verticale di gocce d'acqua con inclinazione max di 15°. *Protected against drops of water falling up to 15°.* |
| **3** |   | Protetto da corpi solidi superiori a Ø 2.5 mm. *Protected against solid matter (over Ø 2.5 mm).* | **3** |   | Protetto contro la pioggia. *Rain proof.* |
| **4** |   | Protetto da corpi solidi superiori a Ø1 mm. *Protected against solid matter (over Ø1 mm).* | **4** |  | Protetto contro gli spruzzi. *Splash proof.* |
| **5** |  | Protetto contro la polvere. *Dust protected.* | **5** |  | Protetto contro getti d'acqua. *Water jet proof.* |
| **6** |  | Totalmente protetto contro la polvere. *Fully dust tight.* | **6** |  | Protetto dalle ondate. *Waveproof.* |
| **7** | | N.A. | **7** |  | Protetto contro immersione. *Immersion up to 1 metre.* |
| **8** | | N.A. | **8** |  | Protetto contro immersione/sommersione prolungata. *Immersion beyond 1 metre.* |

## Tipi di servizi IEC

## *IEC duty cycles*

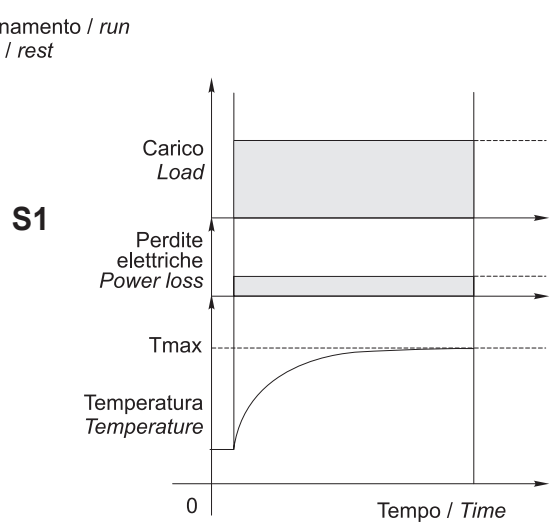
Il servizio di un motore indica il tipo di utilizzo e la gravosità del ciclo di lavoro.

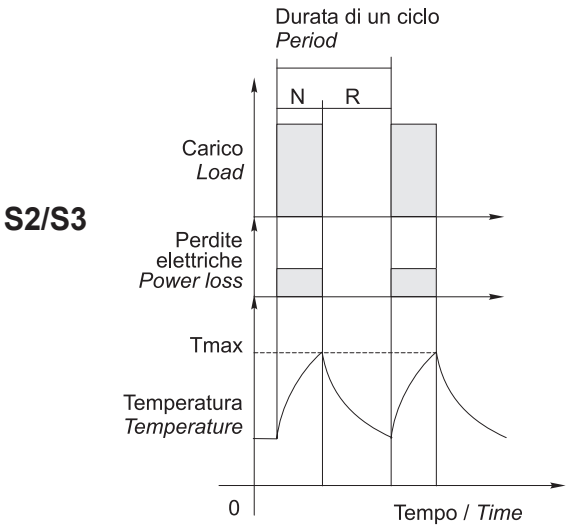
*The duty cycle of a motor indicates its use and running cycle.*

Grafico servizi più comuni

*Most common duty cycles diagram*

N = funzionamento / *run*
R = riposo / *rest*




NOTA: Lo stesso motore può essere usato per cicli e servizi diversi, con l'unica limitazione che la temperatura interna non superi mai la Tmax stabilita dalla classe di isolamento termico del motore.

*NOTE: The same motor can run under all duty services, limitation is due to internal temperature that must not override Tmax stated by motor thermal class.*

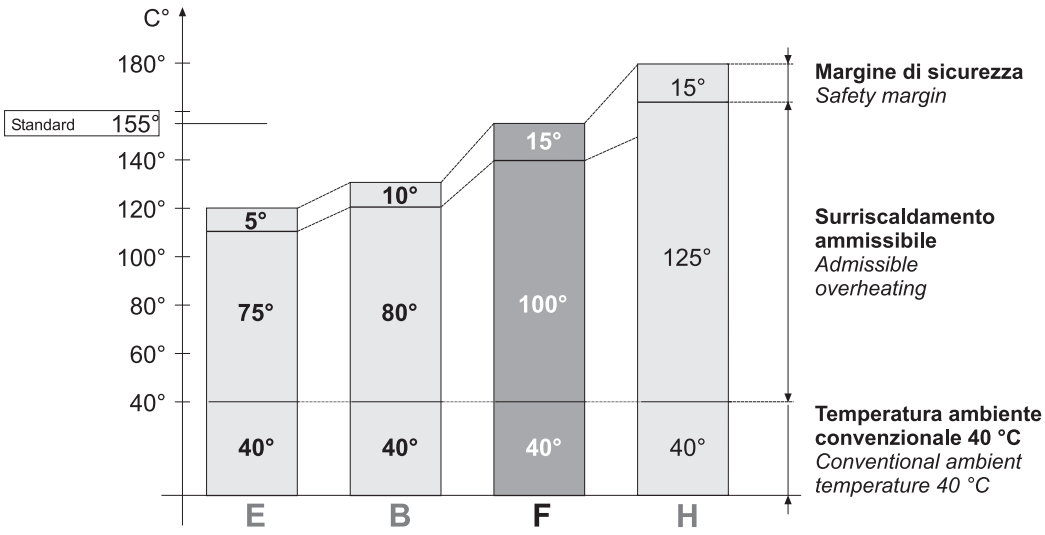
## Classe di isolamento termico

## *Insulation class*

La classe termica indica il grado di resistenza alla temperatura interna, nel punto più caldo (avvolgimenti).
Isolamento termico classse F.

*Thermal insulation class indicates the level of thermal protection measured at the hottest point inside the motor (windings).*
*Thermal insulation class F.*

| **Classe** ***Class*** | Massima temperatura interna Max. *windings temp.* |
|---|---|
| **E** | 120°C |
| **B** | 130°C |
| **F** | 155°C |
| **H** | 180°C |



## Serie SM - Funzionamento a 60 Hz

## *Series SM - 60 Hz line power supply*

Velocità, coppia e potenza nominale nel funzionamento a 60 Hz varieranno come da tabella:

*Speed, torque and rated power in 60 Hz operation is shown in the following table:*

| | 50 Hz | 60 Hz |
|---|---|---|
| **400 V** | Vedi dati tecnici / *see technical data* P3 pag. | Velocità / *speed* ≈ + 20%<br>Coppia / *torque* ≈ -20%<br>Potenza / *power* ≈ invariata / *the same* |
| **480 V** | **Non permesso / *not allowed*** | Velocità / *speed* ≈ + 20%<br>Coppia / *torque* ≈ invariata / *the same*<br>Potenza / *power* ≈ + 20% |

## Tabella pressacavi

## *Table of cable glands data*

### Serie SMT..SV / *SMT..SV Series*

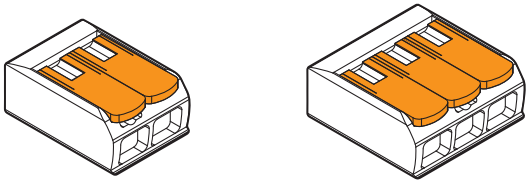
| TAGLIA<br>*SIZE* | Pressacavo<br>*Cable gland* |
|---|---|
| **63 / 71 / 80 / 90** | 1x M20x1.5<br>1x M16x1.5 |

## Connessioni e collegamenti - Motore

## *Connection diagram - Motor*

Riferimenti

*References*

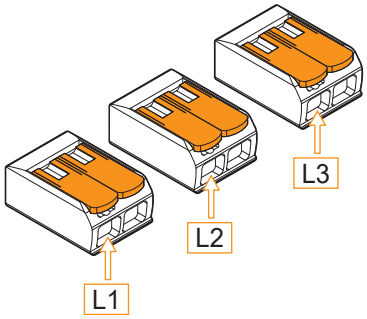


Morsetto di collegamento a leva a 2 e 3 poli
*Splicing connector with lever2 - and 3 - pin.*

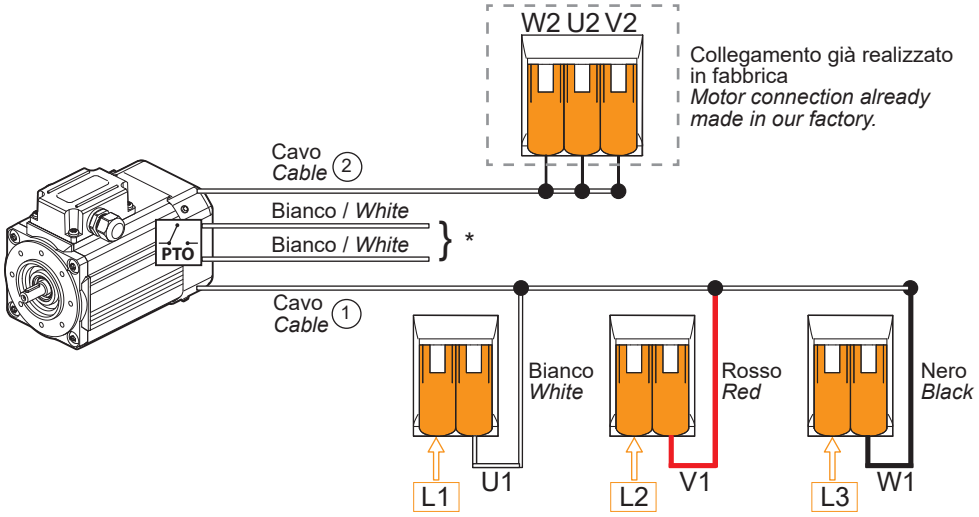
## Connessioni e collegamenti - Motore — *Connection diagram - Motor*

### 400/460 V - Trifase / *three phase*

Collegamento a stella / *Star connection*



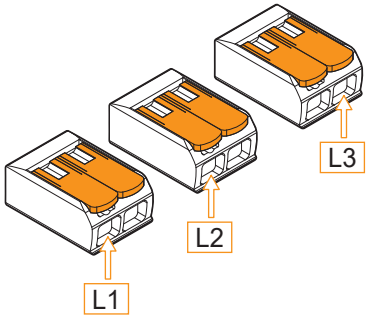

Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*



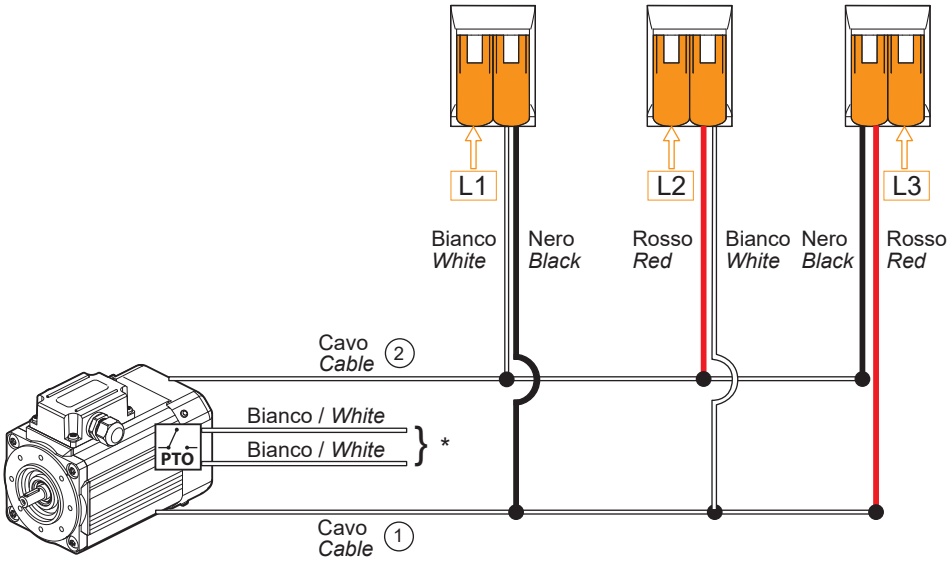

*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno.
**: motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service.*

### 230 V - Trifase / *three phase*

Collegamento a triangolo / *Delta connection*




Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*




*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno.
**: motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service.*

I motori della serie SM sono forniti in collegamento a stella, lo schema di collegamento a triangolo sopra riportato fornisce una chiara indicazione delle modifiche che il cliente può apportare in autonomia. Se necessario contattare il Servizio Tecnico Transtecno.

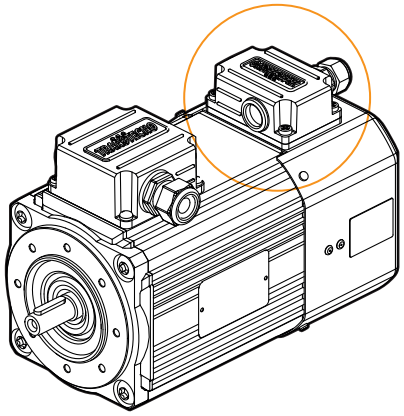
*The SM series is supplied in star connection, the delta connection diagram shown above provides a clear indication of the modification that the customer can make independently. If needed, contact Transtecno Technical Service.*

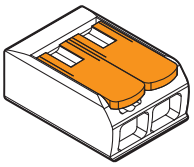
## Connessioni e collegamenti - Servoventola

## *Connection diagram - Servo fan*

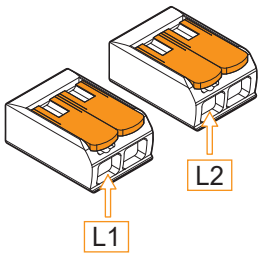
Riferimenti

*References*

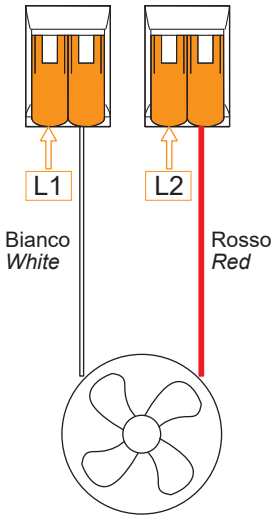




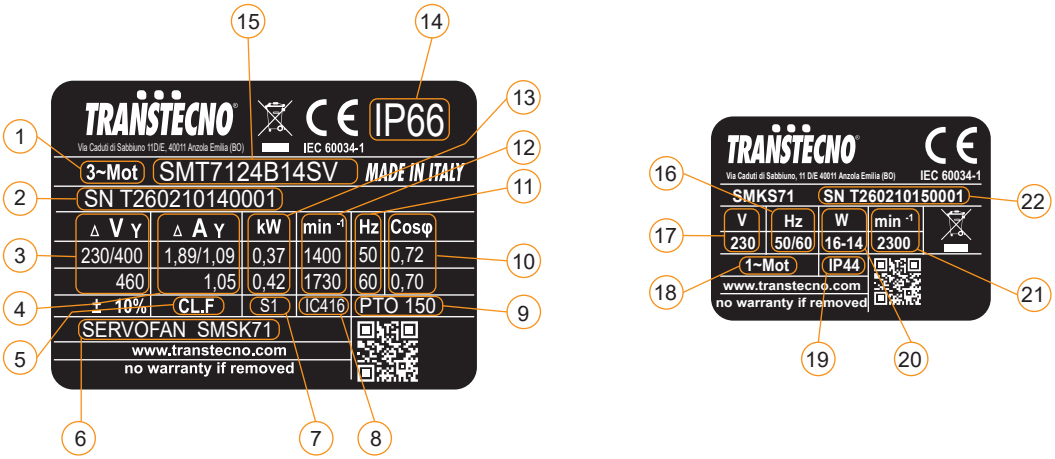
Morsetto di collegamento a leva a 2 poli
*Splicing connector with lever 2 pin.*




Morsetti a levetta liberi per alimentazione servoventola
*Splicing connector with free-lever for the electric fan*



## Targhetta / *Nameplate*




| Pos. | Descrizione | *Description* |
|---|---|---|
| 1 | Tipo di alimentazione | *Power supply* |
| 2 | Numero di serie | *Serial number* |
| 3 | Tensione di alimentazione | *Supply voltage* |
| 4 | Corrente nominale | *Rated current* |
| 5 | Classe di isolamento | *Insulation class* |
| 6 | Tipo servoventola | *Servo fan type* |
| 7 | Servizio | *Duty* |
| 8 | Ventilazione | *Fan cooling* |
| 9 | Protezione termica PTO 150°C | *PTO 150°C Thermal protection* |
| 10 | Fattore di potenza | *Power factor* |
| 11 | Frequenza nominale | *Rated frequency* |
| 12 | Velocità nominale | *Rated speed* |
| 13 | Potenza nominale | *Rated power* |
| 14 | Grado di protezione IP motore | *Motor IP protection rating* |
| 15 | Tipo motore | *Motor type* |
| 16 | Frequenza kit servoventola | *Servo fan kit frequency* |
| 17 | Tensione kit servoventola | *Servo fan kit voltage* |
| 18 | Tipo di alimentazione kit servoventola | *Servo fan kit power supply* |
| 19 | Grado di protezione kit servoventola | *Servo fan kit IP protection rating* |
| 20 | Potenza kit servoventola | *Servo fan kit power* |
| 21 | Velocità kit servoventola | *Servo fan kit speed* |
| 22 | Numero di serie kit servoventola | *Servo fan kit serial number* |

# Note / *Notes*

TRANSTECNO®
the modular gearmotor

# SM..UL

SM..UL

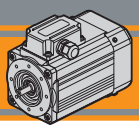
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IP66 TRANSTECNO

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## Motori elettrici asincroni CA
## AC asynchronous electric motors









| Indice | *Index* | Pag. *Page* |
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| Caratteristiche tecniche | *Technical features* | **Q2** |
| Designazione | *Classification* | **Q2** |
| Simbologia e formule | *Symbols and formulas* | **Q3** |
| Dati tecnici | *Technical data* | **Q3** |
| Dimensioni motori trifase | *Three phase motors dimensions* | **Q4** |
| Dimensioni motori monofase | *Single phase motors dimensions* | **Q7** |
| Cava esagonale | *Hexagonal socket* | **Q9** |
| Versioni opzionali | *Optional versions* | **Q9** |
| Opzione guarnizione CA | *Rubber gasket option* | **Q9** |
| Certificazione UL / CSA | *UL / CSA certificate* | **Q9** |
| Gradi di protezione IP | *IP protection rating* | **Q10** |
| Tipo di servizio IEC | *IEC duty cycles* | **Q11** |
| Tabella pressacavi | *Table of cable glands data* | **Q11** |
| Connessioni e collegamenti | *Connection diagram* | **Q12** |
| Targhetta | *Nameplate* | **Q15** |


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## Caratteristiche tecniche

## *Technical characteristics*

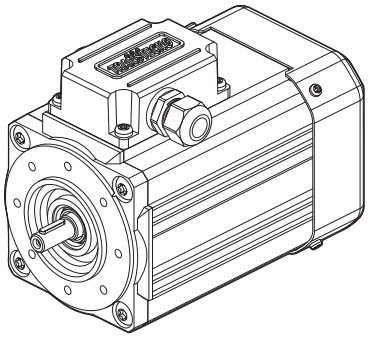
I motori certificati UL/CSA delle serie SMT ed SMM hanno le seguenti caratteristiche principali:

- Costruzione compatta
- Motorizzazioni in corrente alternata monofase e trifase
- Carcassa estrusa in alluminio anodizzato nero
- Motore elettrico CA con grado di protezione IP66 (escluso condensatore)
- Rumorosità e vibrazioni contenute
- Isolamento termico di classe F
- Flangia motore IEC B14
- Temperatura ambiente:-20°C/+40°C
- Disponibili nella versione ventilata TEFC (servizio S1).
- Protezione termica PTO 150°C
- Motori trifase SMT dotati di separatori di fase
- Cava esagonale su albero motore lato NDE
- Condensatore di marcia per motori monofase SMM
- La tolleranza di tensione è ±10%
- Standard applicati:
  UL1004-1: Rotating Electrical Machines General Requirements
  CSA:100-14: Motors and Generators

*SMT and SMM motor range with UL/CSA Certification has the following main features:*

- *Compact design*
- *AC single phase and three phase motors available*
- *Black anodized extruded aluminium housing*
- *AC electric motor in IP66 protection Standard (except capacitor)*
- *Low noise and vibrations*
- *Class F insulation Standard*
- *Motor flange IEC B14*
- *Ambient temperature: -20°C / +40°C*
- *Fan cooled TEFC (duty S1)*
- *PTO 150°C thermal protection*
- *Three phase motors SMT equipped with phase separators.*
- *Motor shaft hexagon socket on the NDE side.*
- *Running capacitor for single phase motors SMM.*
- *Voltage tolerance ±10%*
- *Standards applied:*
  *UL1004-1: Rotating Electrical Machines General Requirements*
  *CSA:100-14: Motors and Generators*

**SM .. UL/CSA**



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**File E511911**

IP66 TRANSTECNO

## Designazione

## *Classification*

MOTORE TRIFASE / *THREE PHASE MOTOR*

| SMT | 63 | 2 | 4 | 0.18 kW | B14 | 230-400 V | 50 Hz | TEFC | UL-CSA |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | Versione UL *UL Version* |
| **SMT** | Vedi tabelle *See tables* | **2 - 3** | **4** | **0.09 kW ... 1.8 kW** | **B14** | **230-400 V** **460V** | **50Hz** **60Hz** | **TEFC** | **UL-CSA** |

SMT

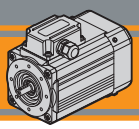
3 ~

MOTORE MONOFASE / *SINGLE PHASE MOTOR*

| SMM | 63 | 2 | 4 | 0.18 kW | B14 | 115 V | 60 Hz | TEFC | UL-CSA |
|---|---|---|---|---|---|---|---|---|---|
| Tipo *Type* | Grandezza *Size* | Indicativo potenza *Power coefficient* | Poli *Poles* | Potenza *Power* | Forma costruttiva *Version* | Tensione *Voltage* | Frequenza *Frequency* | *Ventilazione Fan cooling* | Versione UL *UL Version* |
| **SMM** | Vedi tabelle *See tables* | **2 - 3** | **4** | **0.09 kW ... 0.37 kW** | **B14** | **115V** | **60Hz** | **TEFC** | **UL-CSA** |

SMM

1 ~



## Simbologia e formule — *Symbols and formulas*

| | | | |
|---|---|---|---|
| $P_n$ | [kW] | Potenza nominale | *Rated power* |
| $I_n$ | [A] | Corrente nominale | *Rated current* |
| $M_n$ | [Nm] | Coppia nominale | *Rated torque* |
| $n_n$ | [rpm] | Velocità nominale | *Rated speed* |
| $M_s$ / $M_n$ | | Rapporto coppia spunto / coppia nominale | *Ratio start torque / rated torque* |
| $M_k$ / $M_n$ | | Rapporto coppia massima / coppia nominale | *Ratio max torque / rated torque* |
| $I_s$ / $I_n$ | | Rapporto corrente di spunto / corrente nominale | *Ratio start current / rated current* |
| cosφ | | Fattore di potenza al carico nominale | *Power factor at rated torque load* |
| η | | Rendimento al carico nominale | *Efficiency at rated torque load* |
| f | [Hz] | Frequenza | *Frequency* |
| V | [V] | Tensione | *Voltage* |
| Potenza<br>*Power* | [HP] | Potenza [kW] x 1.341 | *Power [kW] x 1.341* |
| Potenza resa $P_n$<br>*$P_n$ output power* | [kW] | Potenza assorbita x η | *Absorbed power x η* |
| Pot. assorbita<br>*Absorbed power* | [kW] | $\frac{V \times I \times \cos\varphi}{1000}$ (monofase)<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ (trifase) | $\frac{V \times I \times \cos\varphi}{1000}$ *(singlephase)*<br>$\frac{V \times I \times \sqrt{3} \times \cos\varphi}{1000}$ *(threephase)* |
| $I_n$ (230 V) | | In (400 V) x √3 | *In (400 V) x √3* |

## Dati tecnici — *Technical data*

### SMT Motori trifase / *SMT Three phase motors*

**(230-400 V / 50 Hz) poli / *poles* 4**
**(460 V / 60 Hz) poli / *poles* 4**

| TAGLIA *SIZE* | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [min$^{-1}$] | V - f [V - Hz] | $I_n$ (400-460 V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | PTO [°C] | Servizio *Duty* TEFC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5624** | 0.09 | 0.63 | 1365 | 400 - 50 | 0.45 | 47.3 | 0.61 | 2.50 | 2.40 | 2.70 | PTO 150° | S1 |
| | 0.11 | | 1660 | 460 - 60 | | 50.3 | | 2.60 | 2.60 | | | |
| **5634** | 0.12 | 0.88 | 1300 | 400 - 50 | 0.45 | 52.0 | 0.74 | 1.90 | 2.40 | 1.90 | | |
| | 0.14 | 0.83 | 1600 | 460 - 60 | 0.42 | 59.0 | 0.71 | 2.10 | 2.70 | 2.10 | | |
| **6324** | 0.18 | 1.26 | 1360 | 400 - 50 | 0.69 | 57.0 | 0.66 | 2.50 | 2.90 | 2.50 | | |
| | 0.22 | 1.27 | 1650 | 460 - 60 | | 59.7 | 0.67 | | 3.00 | | | |
| **6334** | 0.25 | 1.74 | 1375 | 400 - 50 | 0.94 | 62.0 | 0.64 | 2.80 | 3.00 | 2.80 | | |
| | 0.28 | 1.59 | 1690 | 460 - 60 | | 61.3 | 0.61 | 3.00 | 3.20 | 3.00 | | |
| **7124** | 0.37 | 2.52 | 1400 | 400 - 50 | 1.09 | 68.0 | 0.72 | 2.75 | 4.20 | 2.75 | | |
| | 0.42 | 2.35 | 1700 | 460 - 60 | | 68.1 | 0.71 | 2.90 | 4.50 | 2.90 | | |
| **7134** | 0.55 | 3.76 | 1395 | 400 - 50 | 1.55 | 70.2 | 0.73 | 2.90 | 4.40 | 2.90 | | |
| | 0.66 | 3.71 | 1700 | 460 - 60 | | 73.2 | | | 4.80 | 2.80 | | |
| **8024** | 0.75 | 4.96 | 1440 | 400 - 50 | 1.97 | 82.0 | 0.67 | 3.60 | 6.00 | 3.70 | | S3 75% |
| | 0.90 | 4.93 | 1740 | 460 - 60 | | 84.3 | 0.68 | 3.40 | 6.40 | 3.60 | | |
| **8034** | 1.10 | 7.25 | 1450 | 400 - 50 | 2.92 | 83.6 | 0.65 | 4.0 | 6.80 | 4.40 | | |
| | 1.21 | 6.65 | 1740 | 460 - 60 | | 77.6 | 0.67 | 4.4 | 7.00 | 4.50 | | |
| **9024** | 1.50 | 10.0 | 1430 | 400 - 50 | 3.48 | 85.2 | 0.73 | 3.2 | 6.30 | 3.50 | | |
| | 1.80 | 9.88 | 1740 | 460 - 60 | | 85.4 | 0.76 | 3.4 | 6.50 | 3.40 | | |

### SMM Motori monofase / *SMM Single phase motors*

**(115 V / 60 Hz) poli / *poles* 4**

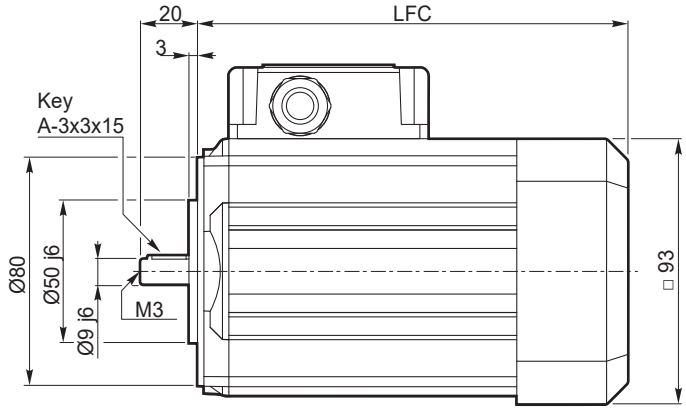
| TAGLIA *SIZE* | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [min$^{-1}$] | V - f [V - Hz] | $I_n$ (115V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | Cond/cap [µF] | PTO [°C] | Servizio *Duty* TEFC |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **5624** | 0.09 | 0.52 | 1665 | 115 - 60 | 1.60 | 50.0 | 0.98 | 0.64 | 1.95 | 1.51 | 20 | PTO 150° | S1 |
| **6324** | 0.18 | 1.09 | 1570 | 115 - 60 | 2.70 | 58.5 | 0.99 | 1.0 | 2.1 | 1.50 | 40 | | |
| **7124** | 0.37 | 2.18 | 1620 | 115 - 60 | 4.70 | 69.8 | 0.98 | 0.64 | 2.3 | 1.33 | 60 | | |

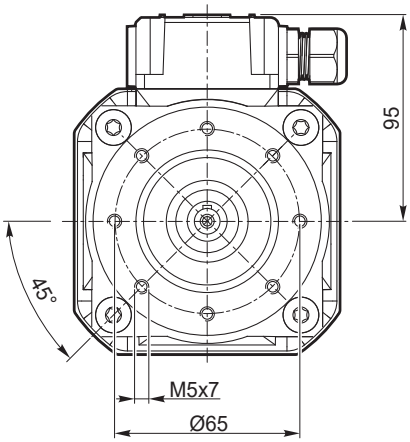
## Dimensioni motori trifase

*Three phase motors dimensions*

3 ~

### SMT56.. - B14 - TEFC

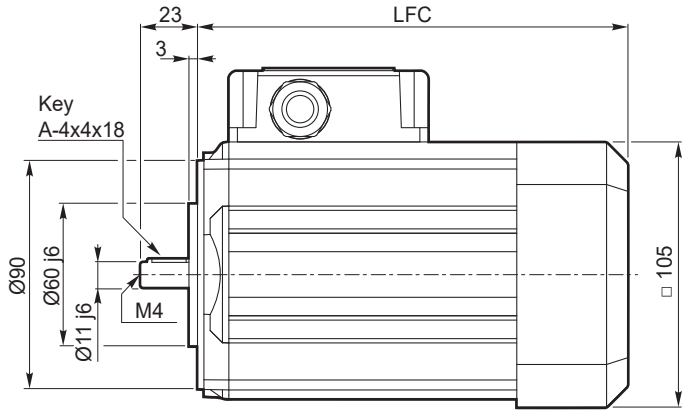


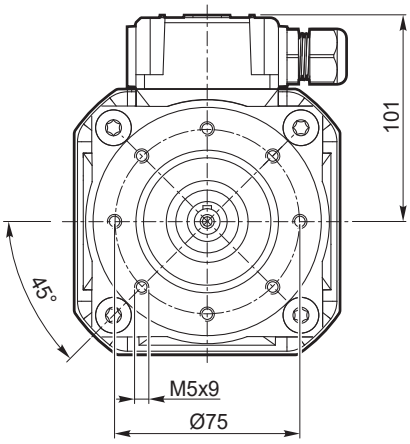




| SMT | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **5624** | 186 | 3.1 |
| **5634** | 186 | 3.5 |

3 ~

### SMT63.. - B14 - TEFC



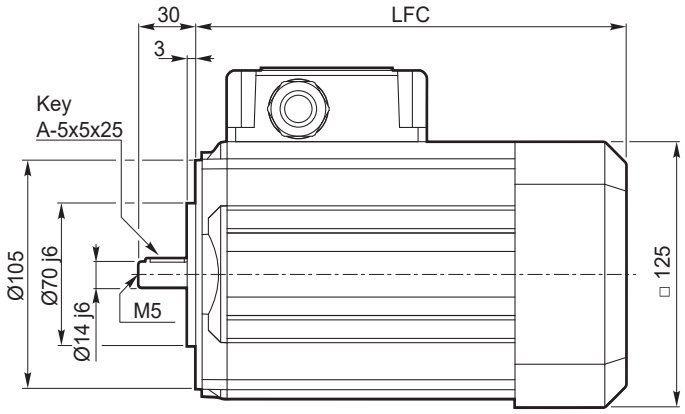



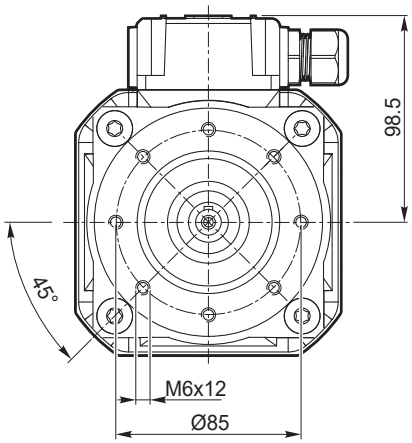

| SMT | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **6324** | 205.5 | 4.7 |
| **6334** | 205.5 | 5.4 |

**Dimensioni motori trifase** *Three phase motors dimensions*

3 ~

## SMT71.. - B14 - TEFC

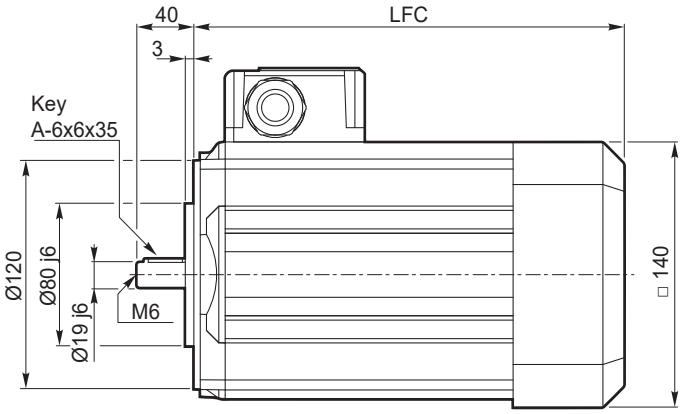


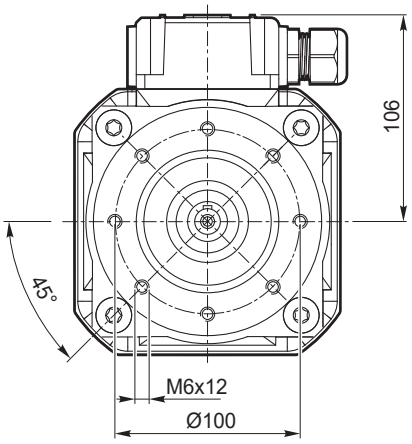




| SMT | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **7124** | 214 | 7.0 |
| **7134** | 214 | 8.2 |

3 ~

## SMT80.. - B14 - TEFC



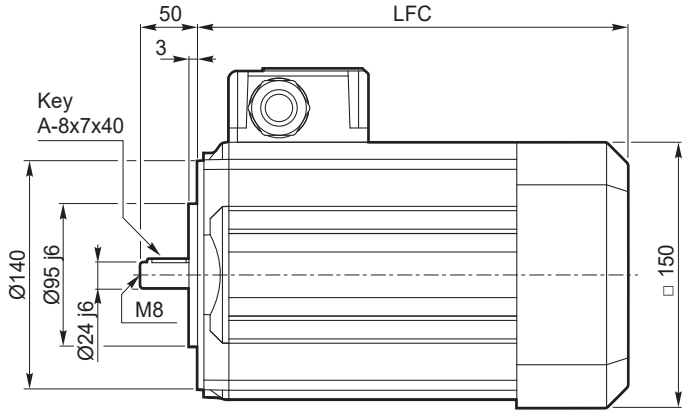



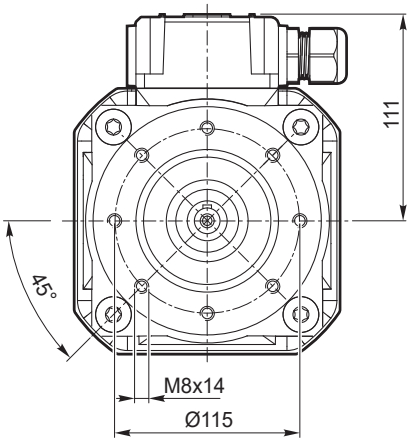

| SMT | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **8024** | 283 | 12.8 |
| **8034** | 309 | 17.1 |

**Dimensioni motori trifase** *Three phase motors dimensions*

3 ~

## SMT90.. - B14 - TEFC

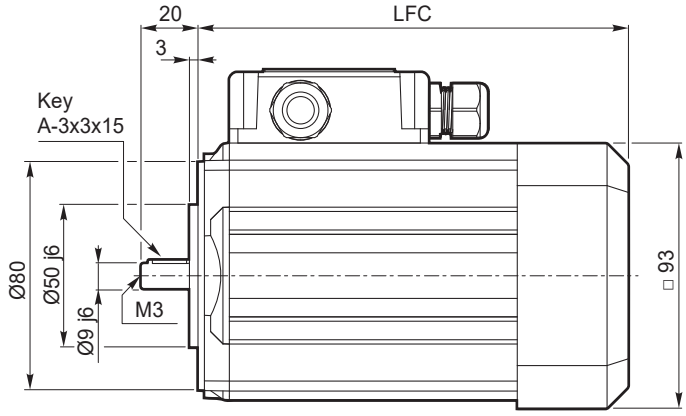


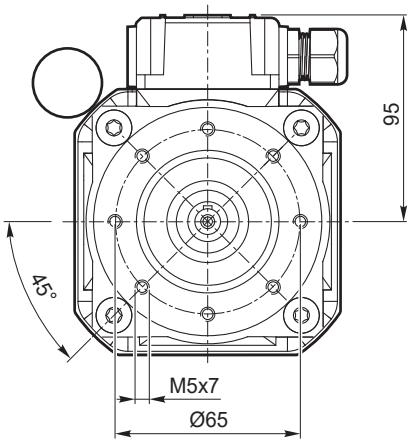




| SMT | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| 9024 | 313 | 18.5 |

**Dimensioni motori monofase** *Single phase motors dimensions*

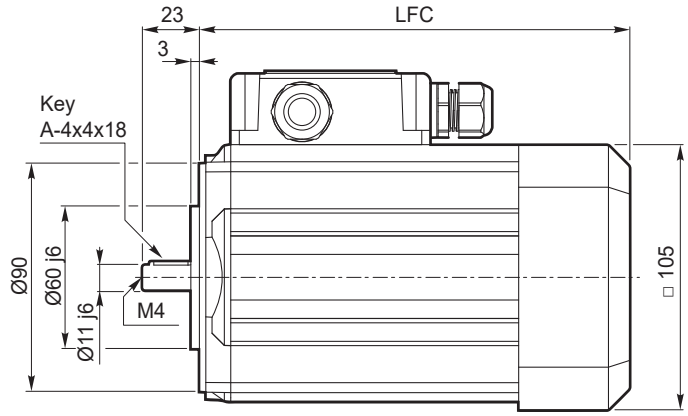
## 1 ~ SMM56.. - B14 - TEFC

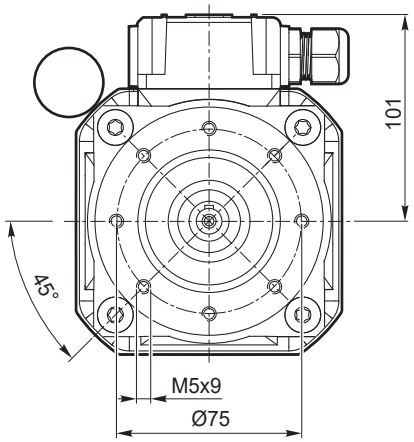



| SMM | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **5624** | 186 | 3.6 |

## 1 ~ SMM63.. - B14 - TEFC



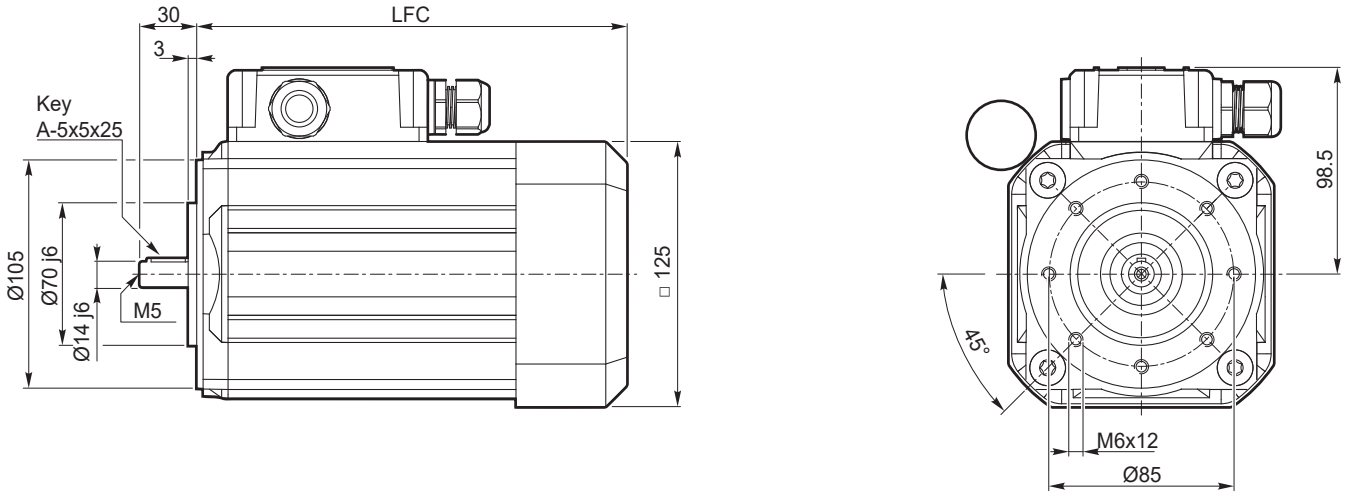




| SMM | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **6324** | 205.5 | 5.5 |

**Dimensioni motori monofase** *Single phase motors dimensions*

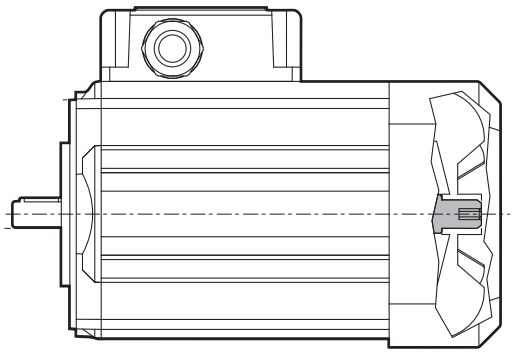
1 ~

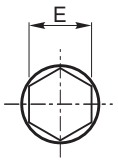
## SMM71.. - B14 - TEFC




| SMM | ... TEFC | |
|---|---|---|
| | LFC | Kg |
| **7124** | 214 | 8.0 |

## Cava esagonale / *Hexagonal socket*






Esagono / *Hexagon*

| SM.. | E |
|---|---|
| 56 | 4 |
| 63 | |
| 71 | 6 |
| 80 | |
| 90 | |

**Nota:**

Installare a monte dell'alimentazione un dispositivo che assicuri la disconnessione della rete omnipolare, durante le operazioni di rotazione manuale è obbligatorio l'utilizzo di tale sezionatore.

Il quadro elettrico del motore deve essere lucchettabile al fine di evitare il riarmo non previsto alla rete elettrica.

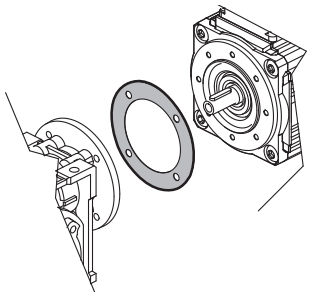
E' severamente vietata la messa in servizio del motore elettrico senza copriventola opportunamente montata.

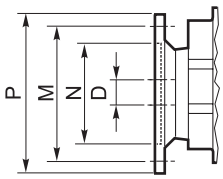
***Note:***

*An omnipolar cut-off device must be fitted upstream of the power supply; the use of this device is mandatory during manual rotation operations.*

*The switchgear for the motor must be padlockable in order to prevent the power supply from being accidentally reset. It is strictly prohibited to put the electric motor into service if the fan cover is not fitted.*

## Opzione guarnizione CA / *Rubber gasket option*






| Dimensioni IEC / *IEC Dimensions* | | | | | |
|---|---|---|---|---|---|
| | 56 B14 | 63 B14 | 71 B14 | 80 B14 | 90 B14 |
| N | 50 | 60 | 70 | 80 | 95 |
| M | 65 | 75 | 85 | 100 | 115 |
| P | 80 | 90 | 105 | 120 | 140 |
| D | 9 | 11 | 14 | 19 | 24 |

## Versioni opzionali / *Optional versions*

Versioni opzionali con freno ed encoder disponibili a richiesta su alcuni modelli. Su richiesta sono disponibili grandezze motore superiori a quelle indicate a catalogo.
Si prega di contattare il nostro Servizio Tecnico.

*Optional versions with brake and encoder are available on request on some models. Motor sizes bigger than those indicated in the catalogue are available on request.*
*Please contact our Technical Service.*

## Certificazione UL / CSA / *UL / CSA certificate*

I motori SM certificati UL/CSA sono marcati secondo la Norma UL 1004-1, Rotating Electrical Machines General Requirements e CSA 100-14, Motors and Generators.

*SM motors Certified UL/CSA are marked for approval by UL 1004-1, Rotating Electrical Machines General Requirements and CSA 100-14, Motors and Generators.*

**File E511911**

## Grado di protezione IP

## *IP protection rating*

Indica il grado di isolamento meccanico del corpo motore.

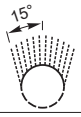
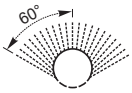
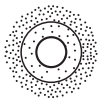
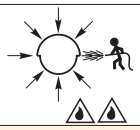
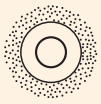
1ª cifra protezione alla penetrazione di corpi solidi.

2ª cifra protezione contro la penetrazione d'acqua.

*IP protection rating indicates the degree of mechanical insulation of the motor casing.*

*The 1st figure indicates the level of protection against the intrusion of solid matter.*

*The 2nd figure indicates to which degree the motor is waterproof.*

| IP | | Definizione / *Description* | IP | | Definizione / *Description* |
|---|---|---|---|---|---|
| 0 | | Non protetto / *No protection* | 0 | | Non protetto / *No protection* |
| 1 |  | Protetto da corpi solidi superiori a Ø 50 mm.<br>*Protected against solid matter (over Ø 50 mm).* | 1 |  | Protetto contro la caduta verticale di gocce d'acqua.<br>*Protected against drops of water falling vertically.* |
| 2 |  | Protetto da corpi solidi superiori a Ø 12 mm.<br>*Protected against solid matter (over Ø 12 mm).* | 2 |  | Protetto contro la caduta verticale di gocce d'acqua con inclinazione max di 15°.<br>*Protected against drops of water falling up to 15°.* |
| 3 |  | Protetto da corpi solidi superiori a Ø 2.5 mm.<br>*Protected against solid matter (over Ø 2.5 mm).* | 3 |  | Protetto contro la pioggia.<br>*Rain proof.* |
| 4 |  | Protetto da corpi solidi superiori a Ø1 mm.<br>*Protected against solid matter (over Ø1 mm).* | 4 |  | Protetto contro gli spruzzi.<br>*Splash proof.* |
| 5 |  | Protetto contro la polvere.<br>*Dust protected.* | 5 |  | Protetto contro getti d'acqua.<br>*Water jet proof.* |
| 6 |  | Totalmente protetto contro la polvere.<br>*Fully dust tight.* | 6 |  | Protetto dalle ondate.<br>*Waveproof.* |
| 7 | | N.A. | 7 |  | Protetto contro immersione.<br>*Immersion up to 1 metre.* |
| 8 | | N.A. | 8 |  | Protetto contro immersione/sommersione prolungata.<br>*Immersion beyond 1 metre.* |

## Tipi di servizi IEC

## *IEC duty cycles*

Il servizio di un motore indica il tipo di utilizzo e la gravosità del ciclo di lavoro.

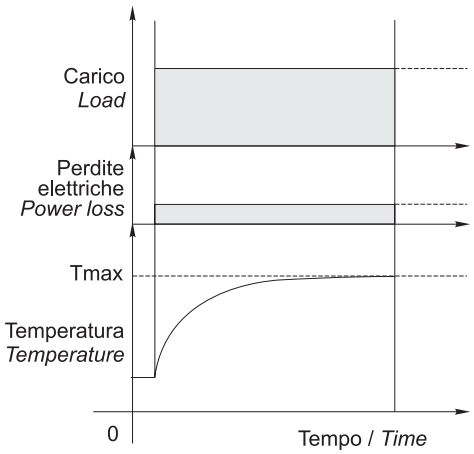
*The duty cycle of a motor indicates its use and running cycle.*

Grafico servizi più comuni

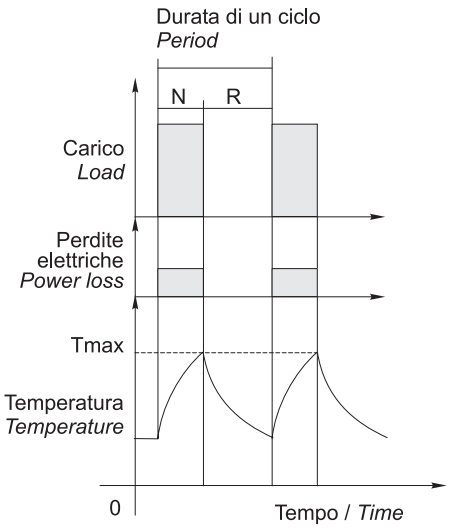
*Most common duty cycles diagram*

N = funzionamento / *run*
R = riposo / *rest*

**S1**




**S2/S3**




NOTA: Lo stesso motore può essere usato per cicli e servizi diversi, con l'unica limitazione che la temperatura interna non superi mai la Tmax stabilita dalla classe di isolamento termico del motore.

*NOTE: The same motor can run under all duty services, limitation is due to internal temperature that must not override Tmax stated by motor thermal class.*

## Tabella pressacavi

## *Table of cable glands data*

### Serie SMT / *SMT Series*

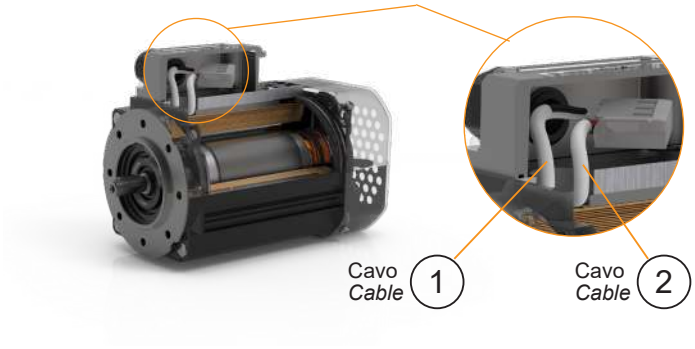
| TAGLIA *SIZE* | Pressacavo *Cable gland* |
|---|---|
| **56 / 63** | M16x1.5 |
| **71 / 80 / 90** | M20x1.5 |

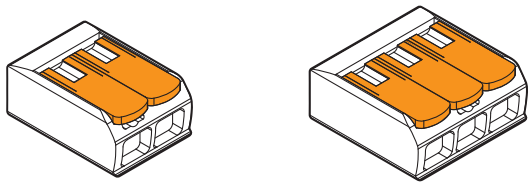
### Serie SMM / *SMM Series*

| TAGLIA *SIZE* | Pressacavo *Cable gland* |
|---|---|
| **56 / 63** | 2 x M16x1.5 |
| **71** | 1x M20x1.5 +<br>1 x M16x1.5 |

## Connessioni e collegamenti — *Connection diagram*

Riferimenti — *References*

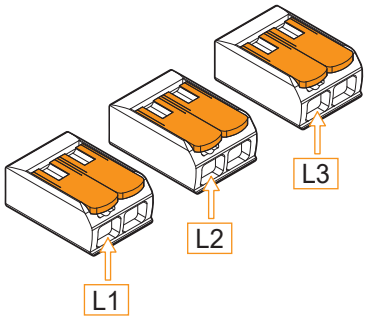


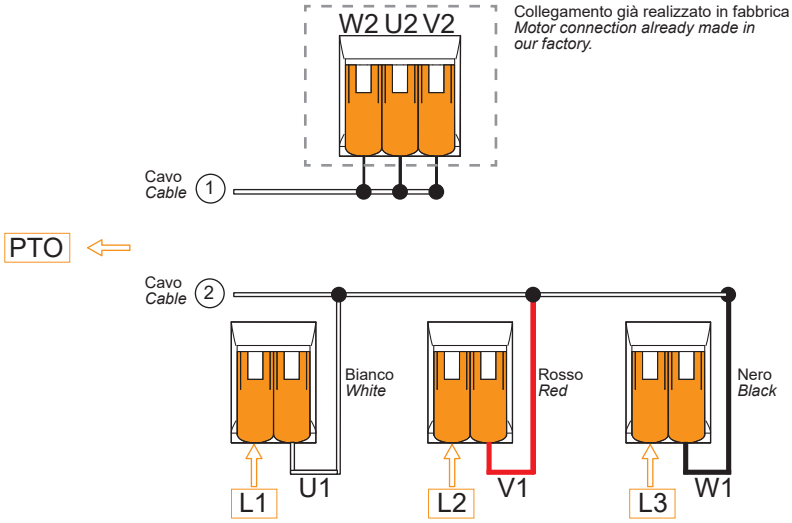
Morsetto di collegamento a leva a 2 e 3 poli
*Splicing connector with lever 2 - and 3 - pin.*

## 400/460 V - Trifase / *three phase*

Collegamento a stella / *Star connection*

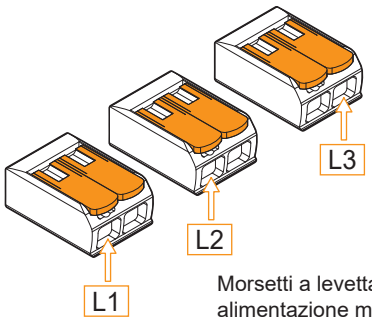



Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*



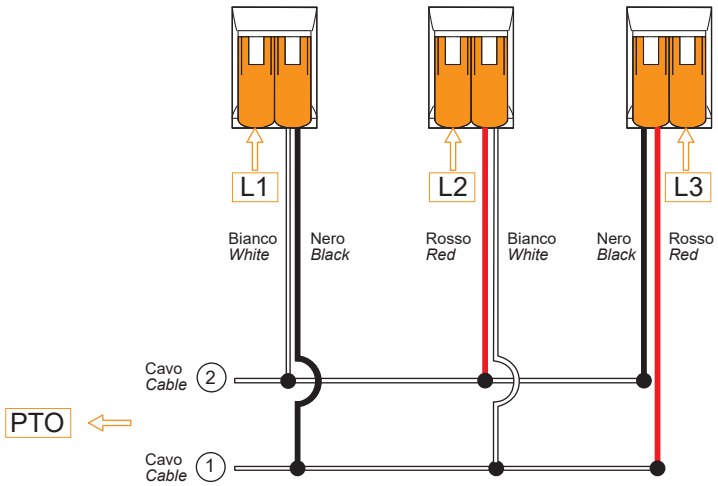

## 230 V - Trifase / *three phase*

Collegamento a triangolo / *Delta connection*




Morsetti a levetta liberi per alimentazione motore

*Splicing connector with free-lever for the motor power source*



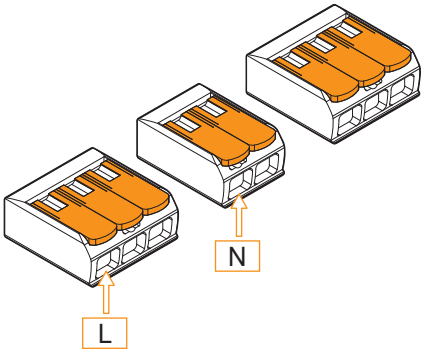

I motori della serie SM sono forniti in collegamento a stella, lo schema di collegamento a triangolo sopra riportato fornisce una chiara indicazione delle modifiche che il cliente può apportare in autonomia. Se necessario contattare il Servizio Tecnico Transtecno.

*The SM series is supplied in star connection, the delta connection diagram shown above provides a clear indication of the modification that the customer can make independently. If needed, contact Transtecno Technical Service.*

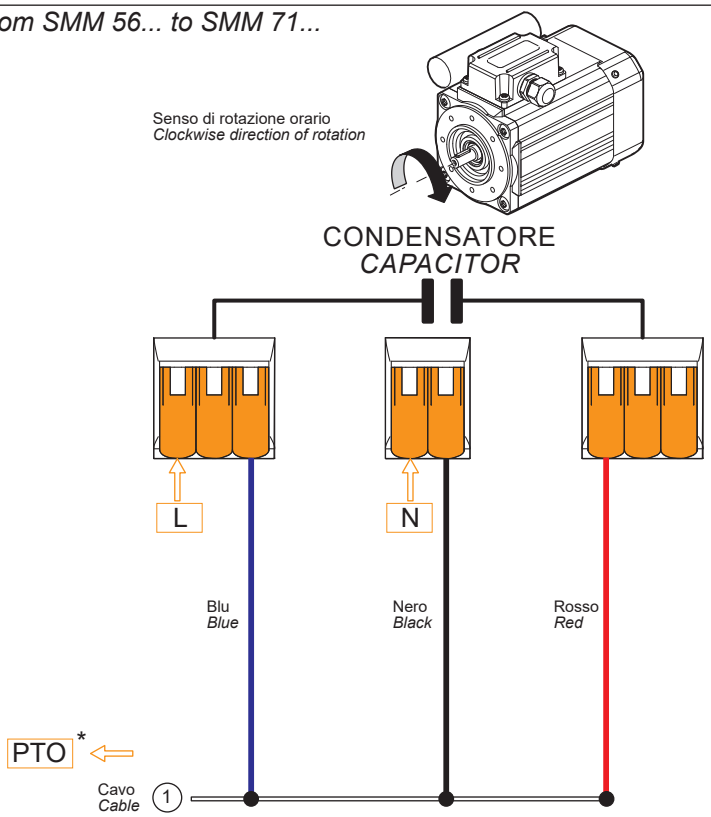
## Connessioni e collegamenti — *Connection diagram*

### 115 V - Monofase / *single phase*

Monofase da SMM 56... a SMM 71... / *Single phase from SMM 56... to SMM 71...*

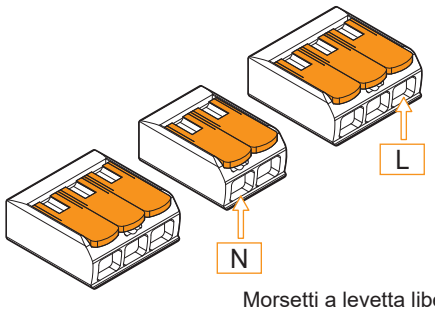



Morsetti a levetta liberi per alimentazione motore
*Splicing connector with free-lever for the motor power source*



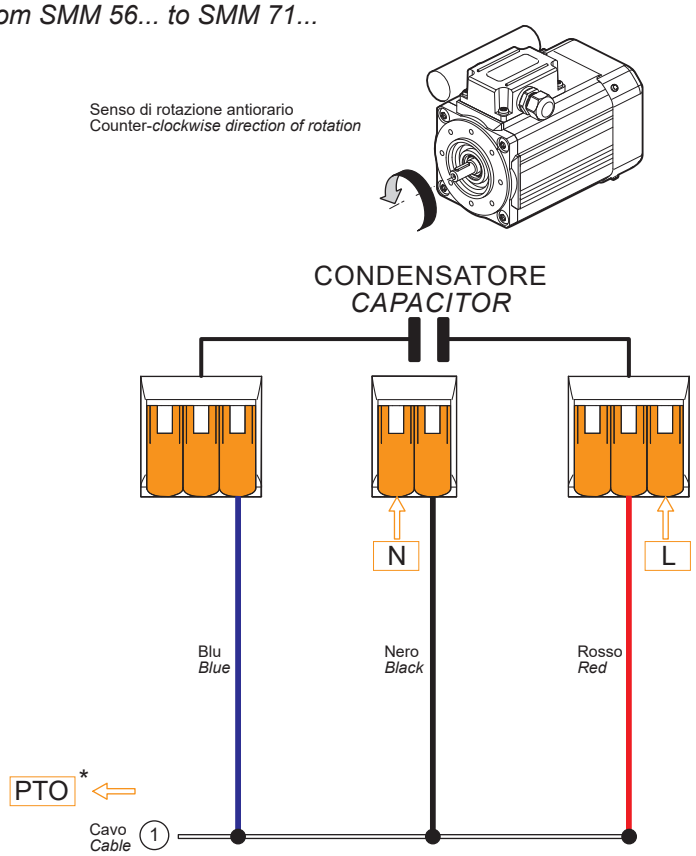

### 115 V - Monofase / *single phase*

Monofase da SMM 56... a SMM 71... / *Single phase from SMM 56... to SMM 71...*




Morsetti a levetta liberi per alimentazione motore

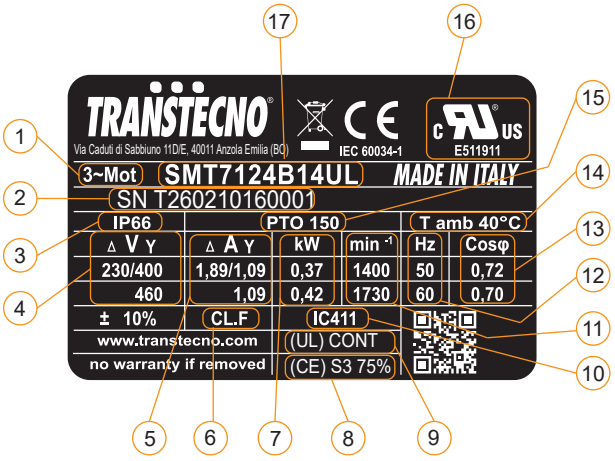
*Splicing connector with free-lever for the motor power source*




*: collegamento al circuito di comando del motore a cura del cliente. Per ragioni di sicurezza è sconsigliato il collegamento in serie. Se necessario contattare il Servizio Tecnico Transtecno.

**: motor supply connection by the customer. For safety reason Transtecno advises against PTO connected in series. If needed, contact Transtecno Technical Service.*

## Targhetta — *Nameplate*




| Pos. | Descrizione | *Description* |
|---|---|---|
| 1 | Tipo di alimentazione | *Power supply* |
| 2 | Numero di serie | *Serial number* |
| 3 | Grado di protezione IP motore | *Motor IP protection rating* |
| 4 | Tensione di alimentazione | *Supply voltage* |
| 5 | Corrente nominale | *Rated current* |
| 6 | Classe di isolamento | *Insulation class* |
| 7 | Potenza nominale | *Rated power* |
| 8 | Servizio per certificazione CE | *CE compliance duty* |
| 9 | Servizio per certificazione UL/CSA | *UL/CSA compliance duty* |
| 10 | Ventilazione | *Fan cooling* |
| 11 | Velocità nominale | *Rated speed* |
| 12 | Frequenza nominale | *Rated frequency* |
| 13 | Fattore di potenza | *Power factor* |
| 14 | Temperatura ambiente massima | *Max allowed ambient temperature* |
| 15 | Protezione termica PTO 150°C | *PTO 150°C Thermal protection* |
| 16 | Certificazione UL/CSA | *UL/CSA compliance* |
| 17 | Tipo di motore | *Motor type* |

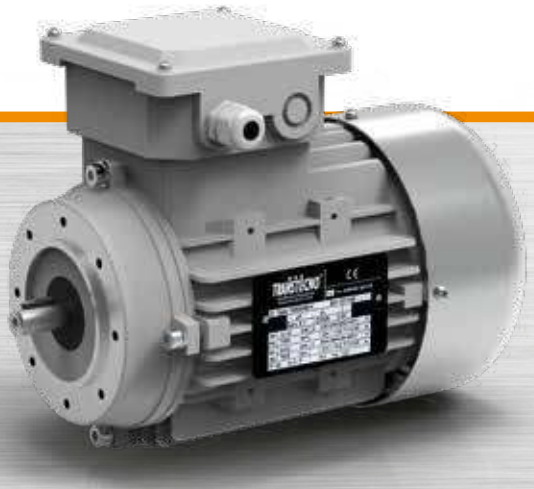
TRANSTECNO®
the modular gearmotor

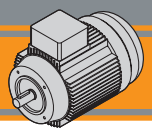
TS

TS

TS Alu

# Motori elettrici asincroni CA
# AC asynchronous electric motors






| Indice | *Index* | Pag. *Page* |
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| Caratteristiche tecniche | *Technical characteristics* | **R2** |
| Designazione | *Classification* | **R2** |
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| Simbologia e formule | *Symbols and formulas* | **R3** |
| Dati tecnici | *Technical data* | **R3** |
| Dati tecnici: dimensioni motori | *Technical data: motor dimensions* | **R4** |
| Tipi di servizio IEC | *IEC duty services* | **R5** |
| Classe di isolamento termico | *Thermal insulation class* | **R5** |
| Serie TS - Funzionamento a 60 Hz | *TS Series - 60 Hz line power supply* | **R7** |
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Questa sezione annulla e sostituisce ogni precedente edizione o revisione. Qualora questa sezione non Vi sia giunta in distribuzione controllata, l'aggiornamento dei dati ivi contenuto non è assicurato. **In tal caso la versione più aggiornata è disponibile sul nostro sito internet www.transtecno.com**

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## Caratteristiche tecniche

I motori della serie TS sono tutti dotati di ventola di raffreddamento. Costruiti in alluminio e disponibili nelle versioni B5, B14.

La serie TS comprende motori ad induzione trifase 230/400 Vca a 50 Hz e 275/480 Vca a 60 Hz 4 poli, per potenze da 0.09 kW fino a 2.2 kW.

Altre caratteristiche standard dei motori TS sono:

- Isolamento termico di classe F
- Grado di protezione IP55
- Temperatura ambiente: -20 °C ÷ +40 °C.

## *Technical characteristics*

*All TS series motors are fan cooled and made with an aluminium frame in version B5, B14.*

*TS range includes induction three phase 4 poles motors 230/400 Vac at 50 Hz and 275/480 Vac at 60 Hz, it covers power sizes from 0.09 kW up to 2.2 kW.*

*Standard features are:*

- *Class F thermal insulation*
- *IP55 enclosure protection*
- *Ambient temperature: -20 °C ÷ +40 °C.*

## Designazione

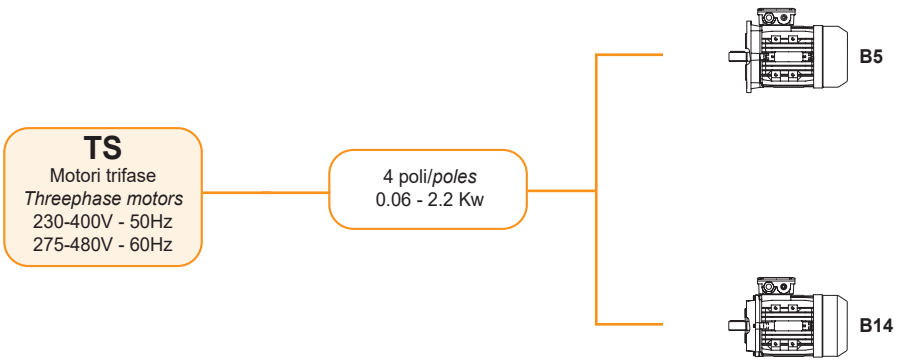
## *Classification*

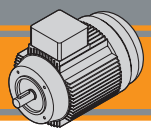
MOTORE TRIFASE / *THREE PHASE MOTOR*

| TS | 63 | 2 | 4 | 0.18 | B5 | 3 ph | 230-400 V | 50 Hz |
|---|---|---|---|---|---|---|---|---|
| Tipo<br>*Type* | Grandezza<br>*Size* | Indicativo potenza<br>*Power coefficient* | Poli<br>*Poles* | Potenza<br>*Power* | Forma costruttiva<br>*Version* | Fasi<br>*Phases* | Tensione<br>*Voltage* | Frequenza<br>*Frequency* |
| **TS**<br>trifase<br>*threephase* | vedi tabelle<br>*see tables* | **1-2-3-S**<br>**L1-L2** | **4** | **0.09 kW**<br>**...**<br>**2.2 kW** | **B5**<br>**B14** | **3 ph** | **230-400 V**<br>**275-480 V** | **50Hz**<br>**60Hz** |

## Versioni

## *Versions*





## Simbologia e formule — *Symbols and formulas*

| | | | |
|---|---|---|---|
| $P_n$ | [kW] | Potenza nominale | *Rated power* |
| $I_n$ | [A] | Corrente nominale (a 400V) | *Rated current (at 400V)* |
| $M_n$ | [Nm] | Coppia nominale | *Rated torque* |
| $n_n$ | [rpm] | Velocità nominale | *Rated speed* |
| LR | [dB] | Livello di rumorosità | *Noise Level* |
| $M_s / M_n$ | | Rapporto coppia spunto / coppia nominale | *Ratio start torque / rated torque* |
| $M_k / M_n$ | | Rapporto coppia massima / coppia nominale | *Ratio max torque / rated torque* |
| $M_{sel} / M_n$ | | Rapporto coppia di sella (minima) / coppia nominale | *Ratio saddle torque / rated torque* |
| $I_s / I_n$ | | Rapporto corrente di spunto / corrente nominale | *Ratio start current / rated current* |
| cosφ | | Fattore di potenza al carico nominale | *Power factor at rated torque load* |
| η | | Rendimento al carico nominale | *Efficiency at rated torque load* |
| Potenza *Power* | [HP] | Potenza [kW] x 1.34 circa | *Power [kW] x 1.34 (about)* |
| Potenza resa $P_n$ *$P_n$ output power* | [kW] | Potenza assorbita x η | *Absorbed power x η* |
| Pot. assorbita *Absorbed power* | [kW] | $\frac{V \times I \times PF}{1000}$ (monofase)<br>$\frac{V \times I \times \sqrt{3} \times PF}{1000}$ (trifase) | $\frac{V \times I \times PF}{1000}$ *(singlephase)*<br>$\frac{V \times I \times \sqrt{3} \times PF}{1000}$ *(threephase)* |
| $I_n$ (230 V) | | In (400 V) x √3 | *In (400 V) x √3* |

## Dati tecnici — *Technical data*

### TS Motori trifase / *TS Three phase motors*

**(230-400 V / 50 Hz - 1400 min$^{-1}$) poli / *poles* 4**

| TS | $P_n$ [kW] | $M_n$ [Nm] | $n_n$ [min$^{-1}$] | $I_n$ (400V) [A] | η % | cosφ | $M_s/M_n$ | $I_s/I_n$ | $M_k/M_n$ | $M_{sel}/M_n$ | LR [dB] | Massa *Mass* [Kg] | Servizio *Duty* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **562-4** | 0.09 | 0.63 | 1360 | 0.45 | 52 | 0.59 | 2.3 | 4 | 2.4 | 2 | 50 | 3.2 | **S1** |
| **631-4** | 0.12 | 0.84 | 1360 | 0.55 | 52 | 0.64 | 2.2 | 4 | 2.4 | 2 | 52 | 3.7 | **S3 70%** |
| **632-4** | 0.18 | 1.31 | 1310 | 0.70 | 57 | 0.65 | 2.2 | 4 | 2.4 | 2 | 52 | 4.2 | |
| **633-4** | 0.25 | 1.78 | 1340 | 0.91 | 60 | 0.66 | 2.2 | 4 | 2.2 | 2 | 54 | 5.0 | |
| **711-4** | 0.25 | 1.77 | 1350 | 0.84 | 60 | 0.72 | 2.2 | 6 | 2.4 | 1.7 | 55 | 5.0 | |
| **712-4** | 0.37 | 2.58 | 1370 | 1.11 | 65 | 0.74 | 2.2 | 6 | 2.4 | 1.7 | 55 | 5.8 | |
| **713-4** | 0.55 | 3.80 | 1380 | 1.60 | 66 | 0.75 | 2.2 | 6 | 2.4 | 1.7 | 57 | 6.5 | |
| **714-4** | 0.75 | 5.15 | 1390 | 2.20 | 71.3 | 0.69 | 2.7 | 4.2 | 2.7 | 2.4 | 57 | 7.7 | |
| **801-4** | 0.55 | 3.83 | 1370 | 1.58 | 67 | 0.75 | 2.2 | 6 | 2.4 | 1.7 | 58 | 8.1 | |
| **802-4** | 0.75 | 5.19 | 1380 | 1.93 | 72 | 0.78 | 2.2 | 6 | 2.4 | 1.6 | 58 | 9.1 | |
| **803-4** | 1.1 | 7.55 | 1390 | 2.67 | 76.2 | 0.78 | 2.2 | 6 | 2.4 | 1.6 | 60 | 11.0 | |
| **90S-4** | 1.1 | 7.50 | 1400 | 2.64 | 76.2 | 0.79 | 2.2 | 6 | 2.4 | 1.6 | 61 | 11.7 | |
| **90L1-4** | 1.5 | 10.2 | 1400 | 3.45 | 78.5 | 0.8 | 2.2 | 6 | 2.4 | 1.6 | 61 | 14.4 | |
| **90L2-4** | 2.2 | 15.0 | 1400 | 4.90 | 81 | 0.8 | 2.2 | 7 | 2.4 | 1.5 | 63 | 17.6 | |
| **100L1-4** | 2.2 | 14.8 | 1420 | 4.84 | 81 | 0.81 | 2.2 | 7 | 2.3 | 1.5 | 64 | 19.2 | |

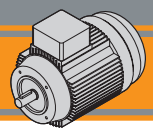
## Dati tecnici: dimensioni motori — *Technical data : motor dimensions*

### Dimensioni motori trifase serie TS — B5 — *TS Series three phase motor dimensions*

| TS | Albero / *Shaft* | | | | | B5 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | E | DH | GA | F | P | M | N | S | T | AC | AD | AF | KK | L | LL | V |
| 56 | 9 | 20 | M3 | 10.2 | 3 | 120 | 100 | 80 | 7 | 3 | 117 | 100 | 88 | 1-M16x1.5 | 196 | 88 | 14 |
| 63 | 11 | 23 | M4 | 12.5 | 4 | 140 | 115 | 95 | 10 | 3 | 130 | 108 | 94 | 1-M16x1.5 | 220 | 94 | 14 |
| 71 1/2 (3/4) | 14 | 30 | M5 | 16 | 5 | 160 | 130 | 110 | 10 | 3.5 | 147 | 115 | 94 | 1-M20x1.5 | 241 (255) | 94 | 20 |
| 80 | 19 | 40 | M6 | 21.5 | 6 | 200 | 165 | 130 | 12 | 3.5 | 163 | 133 | 105 | 1-M20x1.5 | 290 | 105 | 27 |
| 90S | 24 | 50 | M8 | 27 | 8 | 200 | 165 | 130 | 12 | 3.5 | 183 | 139 | 105 | 1-M20x1.5 | 312 | 105 | 30 |
| 90L1 | 24 | 50 | M8 | 27 | 8 | 200 | 165 | 130 | 12 | 3.5 | 183 | 139 | 105 | 1-M20x1.5 | 337 | 105 | 30 |
| 100L 1/2 | 28 | 60 | M10 | 31 | 8 | 250 | 215 | 180 | 15 | 4 | 205 | 152 | 105 | 2-M20x1.5 | 369 | 105 | 26 |

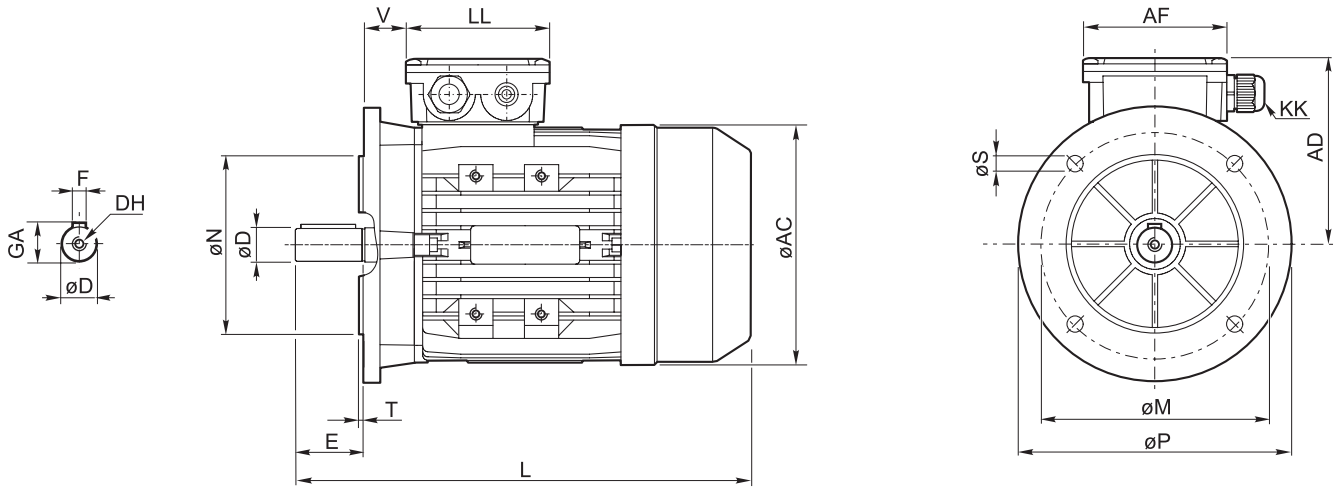
### Dimensioni motori trifase serie TS — B14 — *TS Series three phase motor dimensions*

| TS | Albero / *Shaft* | | | | | B14 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | E | DH | GA | F | P | M | N | S | T | AC | AD | AF | KK | L | LL | V |
| 56 | 9 | 20 | M3 | 10.2 | 3 | 80 | 65 | 50 | M5 | 2.5 | 117 | 100 | 88 | 1-M16x1.5 | 196 | 88 | 14 |
| 63 | 11 | 23 | M4 | 12.5 | 4 | 90 | 75 | 60 | M5 | 2.5 | 130 | 108 | 94 | 1-M16x1.5 | 220 | 94 | 14 |
| 71 1/2 (3/4) | 14 | 30 | M5 | 16 | 5 | 105 | 85 | 70 | M6 | 2.5 | 147 | 115 | 94 | 1-M20x1.5 | 241 (255) | 94 | 20 |
| 80 | 19 | 40 | M6 | 21.5 | 6 | 120 | 100 | 80 | M6 | 3 | 163 | 133 | 105 | 1-M20x1.5 | 290 | 105 | 27 |
| 90S | 24 | 50 | M8 | 27 | 8 | 140 | 115 | 95 | M8 | 3 | 183 | 139 | 105 | 1-M20x1.5 | 312 | 105 | 30 |
| 90L 1/2 | 24 | 50 | M8 | 27 | 8 | 140 | 115 | 95 | M8 | 3 | 183 | 139 | 105 | 1-M20x1.5 | 337 / 367 | 105 | 30 |
| 100L 1 | 28 | 60 | M10 | 31 | 8 | 160 | 130 | 110 | M8 | 3.5 | 205 | 152 | 105 | 2-M20x1.5 | 369 | 105 | 26 |

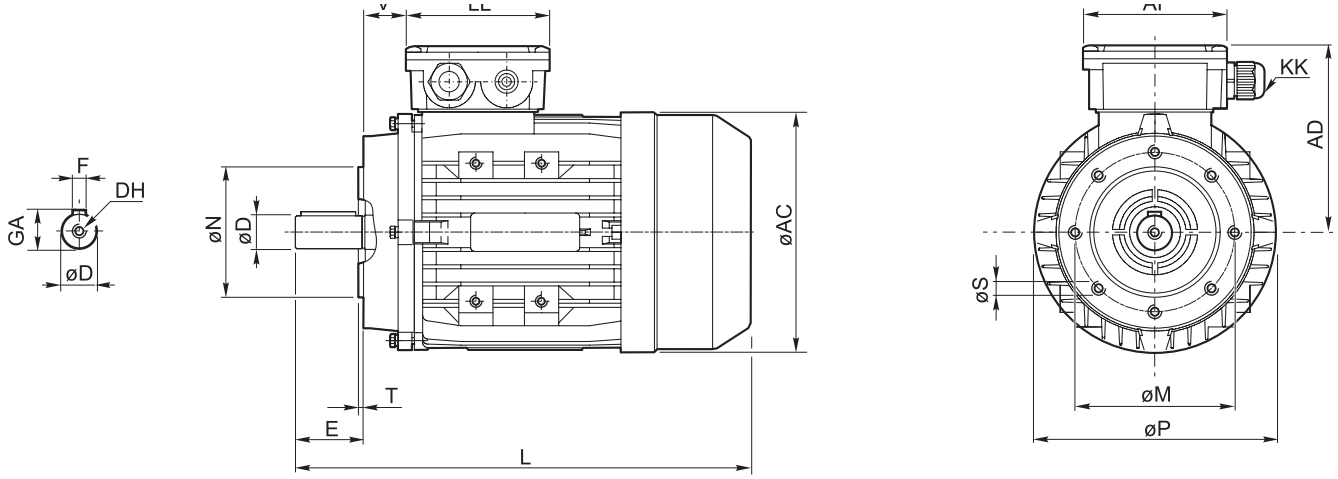




## Dimensioni motori trifase serie TS B5 *TS Series three phase motor dimensions*




## Dimensioni motori trifase serie TS B14 *TS Series three phase motor dimensions*



## Tipi di servizio IEC — *IEC duty cycles*

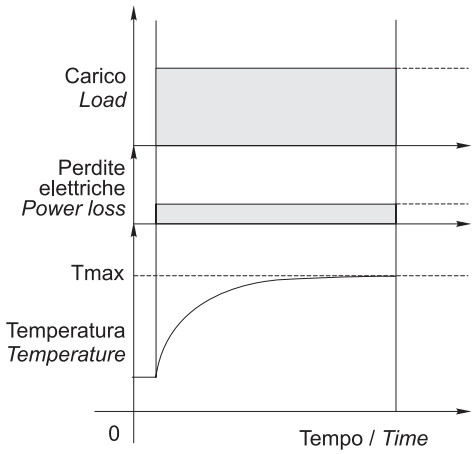
Il servizio di un motore indica il tipo di utilizzo e la gravosità del ciclo di lavoro.

*The duty cycle of a motor indicates its use and running cycle.*

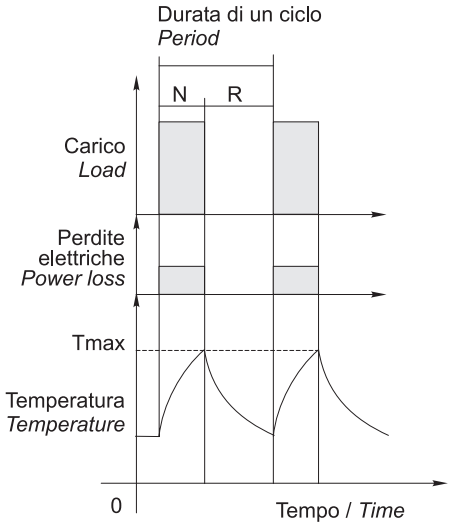
### Grafico servizi più comuni — *Most common duty cycles diagram*

N = funzionamento / *run*
R = riposo / *rest*

**S1**




**S2/S3**




NOTA: Lo stesso motore può essere usato per cicli e servizi diversi, con l'unica limitazione che la temperatura interna non superi mai la Tmax stabilita dalla classe di isolamento termico del motore.

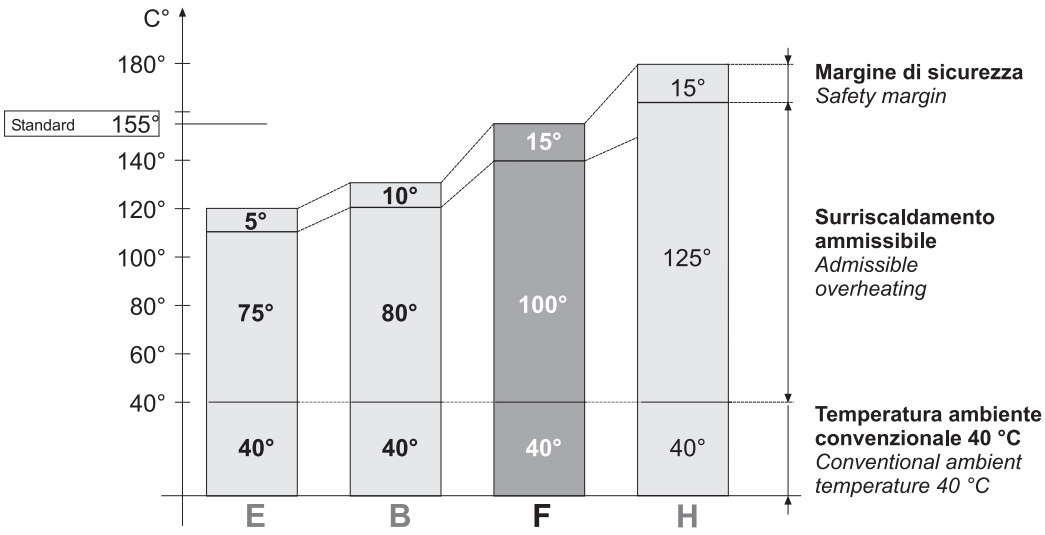
*NOTE: The same motor can run under all duty services, limitation is due to internal temperature that must not override Tmax stated by motor thermal class.*

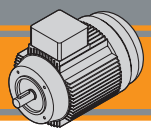
## Classe di isolamento termico — *Insulation class*

La classe termica indica il grado di resistenza alla temperatura interna, nel punto più caldo (avvolgimenti).
Isolamento termico di classeF.

*Thermal insulation class indicates the level of thermal protection measured at the hottest point inside the motor (windings). Thermal insulation class F.*

| **Classe** *Class* | Massima temperatura interna Max. *windings temp.* |
|---|---|
| **E** | 120°C |
| **B** | 130°C |
| **F** | 155°C |
| **H** | 180°C |





## Serie TS - Funzionamento a 60 Hz

## *Series TS - 60 Hz line power supply*

Velocità, coppia e potenza nominale nel funzionamento a 60 Hz varieranno come da tabella:

*Speed, torque and rated power in 60 Hz operation is shown in the following table:*

| | 50 Hz | 60 Hz |
|---|---|---|
| **400 V** | Vedi dati tecnici / *see technical data* 3 | Velocità / *speed* ≈ + 20%<br>Coppia / *torque* ≈ -20%<br>Potenza / *power* ≈ invariata / *the same* |
| **480 V** | **Non permesso / *not allowed*** | Velocità / *speed* ≈ + 20%<br>Coppia / *torque* ≈ invariata / *the same*<br>Potenza / *power* ≈ + 20% |

## Dati pressacavi

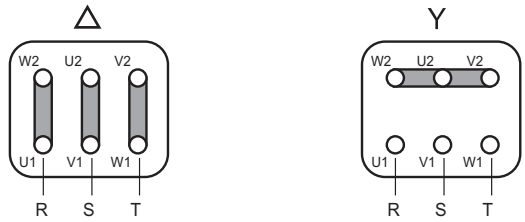
## *Cable glands data*

| TS | Pressacavi<br>*Cable glands* |
|---|---|
| **56** | 1-M16x1.5 |
| **63** | 1-M16x1.5 |
| **71** | 1-M20x1.5 |
| **80** | 1-M20x1.5 |
| **90** | 1-M20x1.5 |
| **100** | 2-M20x1.5 |

## Connessioni e collegamenti

## *Connection diagram*

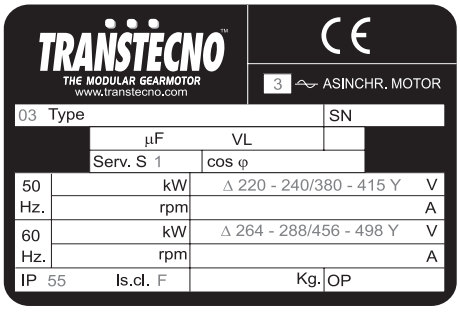
**TS - 230 V - 50 Hz** (275 V 60Hz) / **400 V - 50 Hz** (480 V 60Hz)




Nota: per invertire il senso di rotazione spostare tra loro 2 cavi
*Note: swap the 2 leads to reverse rotation*

## Targhetta

## *Nameplate*



# Note / *Notes*

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# Appendice
# Appendix

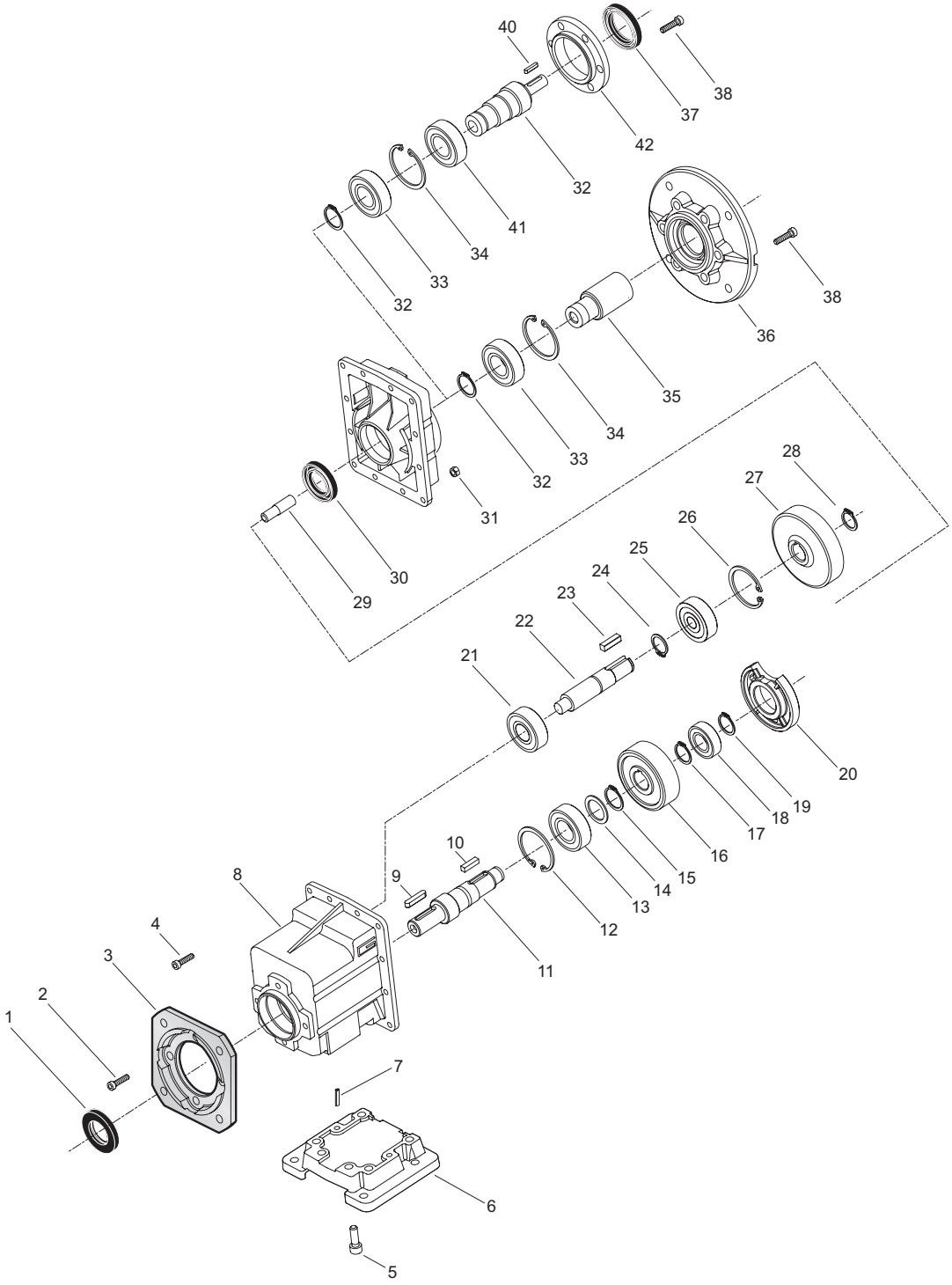
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**Lista parti di ricambio** *Spare parts list*

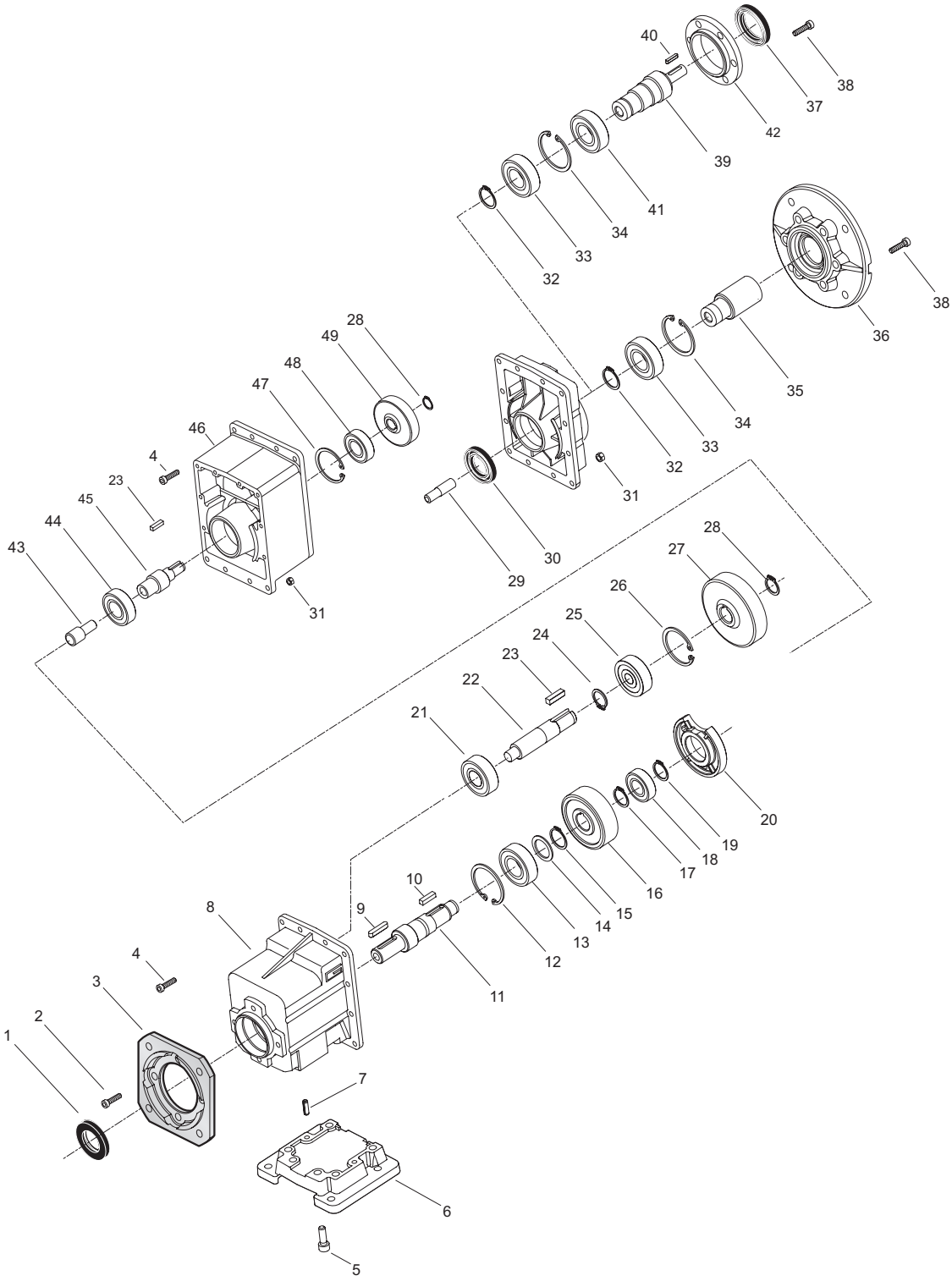
# CMG..2




| CMG | Anelli di tenuta / *Oil seals* | | |
|---|---|---|---|
| | **1** | **30** | **37** |
| **002** | 22/40/7 | 20/37/7 | — |
| **012** | 30/52/7 | 25/47/7 | 35/52/7 |
| **022** | 35/52/7 | 25/47/7 | 35/52/7 |
| **032** | 40/72/7 | 30/52/7 | 40/60/7 |
| **042** | 45/72/7 | 30/52/7 | 40/60/7 |

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

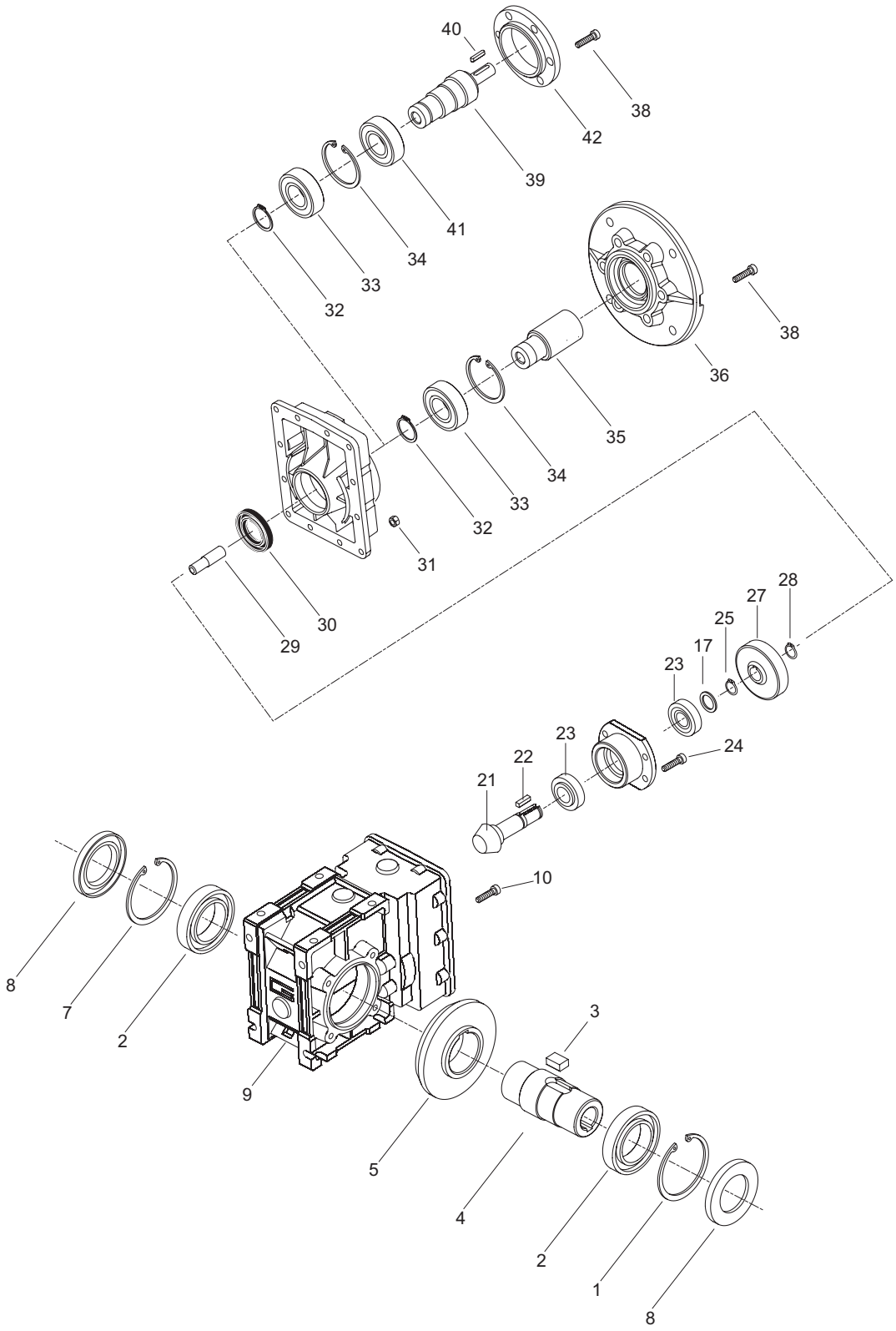
# CMG..3




| CMG | Anelli di tenuta / *Oil seals* | | |
|---|---|---|---|
| | **1** | **30** | **37** |
| **013** | 30/52/7 | 25/47/7 | 35/52/7 |
| **023** | 35/52/7 | 25/47/7 | 35/52/7 |
| **033** | 40/72/7 | 30/52/7 | 40/60/7 |
| **043** | 45/72/7 | 30/52/7 | 40/60/7 |

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

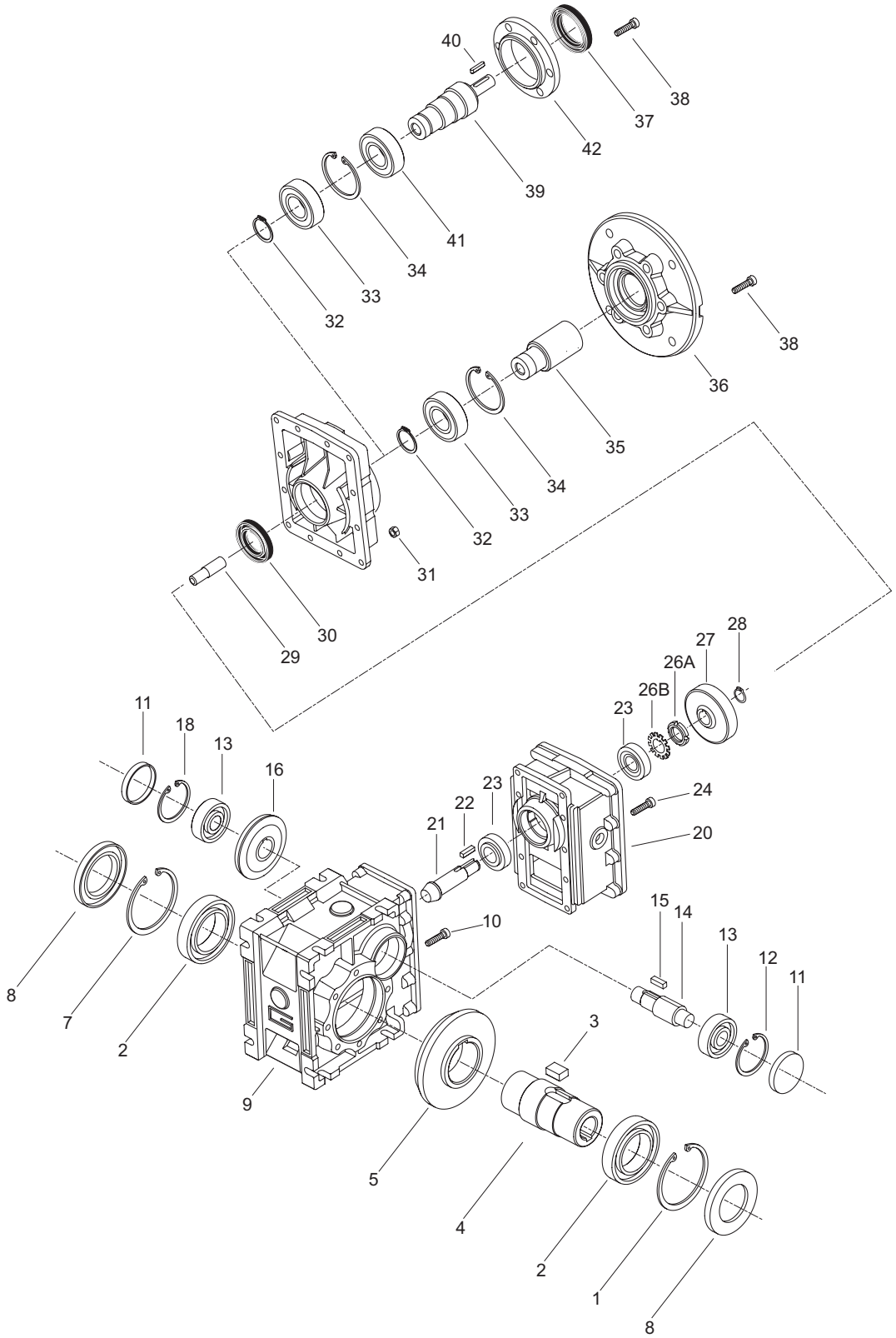
# CMB ..2




| CMB | Anelli di tenuta / *Oil seals* | |
|---|---|---|
| | **8** | **30** |
| **402** | 30/55/7 | 20/37/7 |
| **502** | 40/62/7 | 20/37/7 |

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

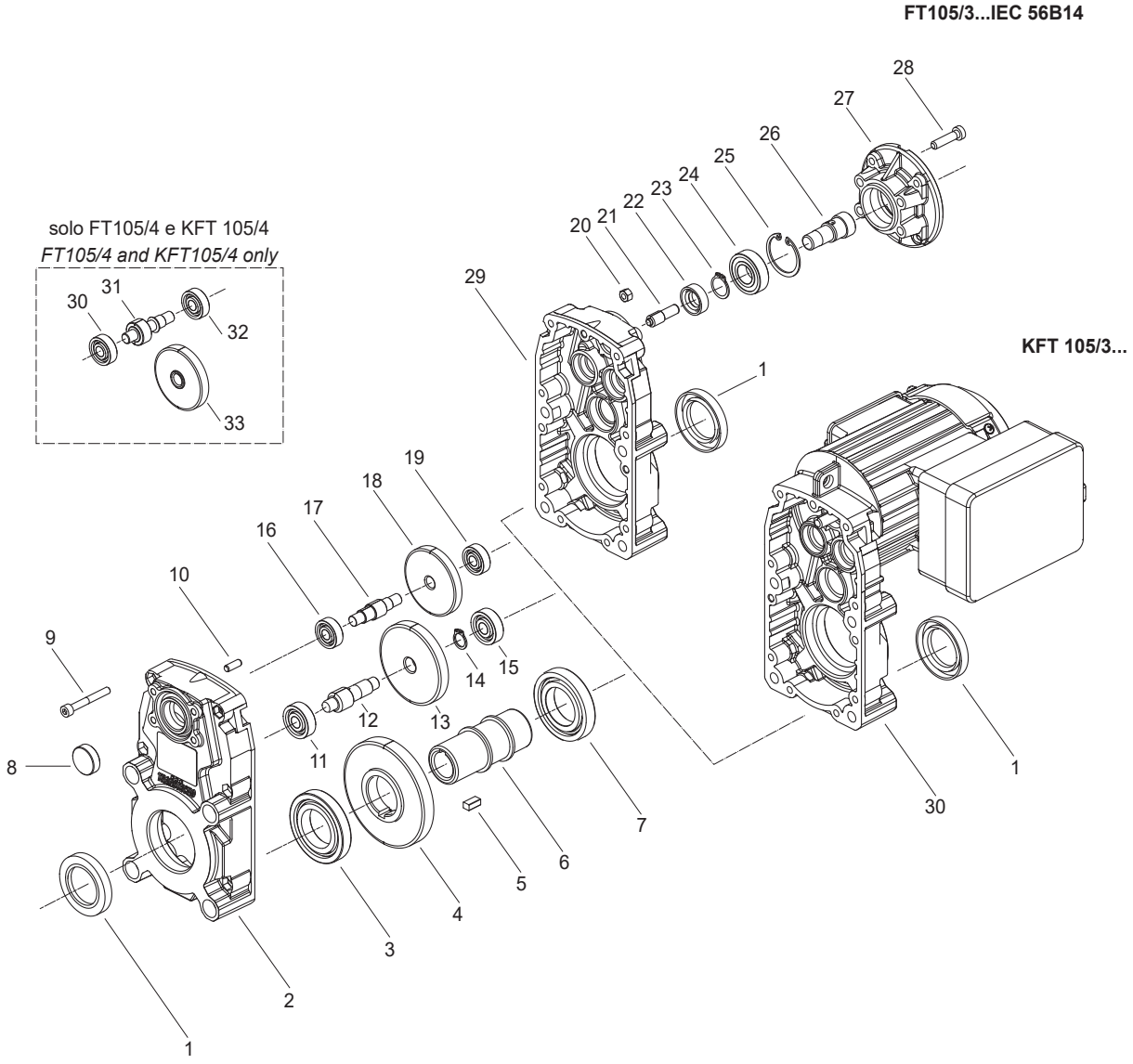
# CMB ..3




| CMB | Anelli di tenuta / *Oil seals* | | | RCA |
|---|---|---|---|---|
| | **8** | **30** | **37** | **11** |
| **633** | 45/75/8 | 25/47/7 | 35/52/7 | 47/7 |
| **903** | 55/90/10 | 30/52/7 | 40/60/7 | 52/7 |

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

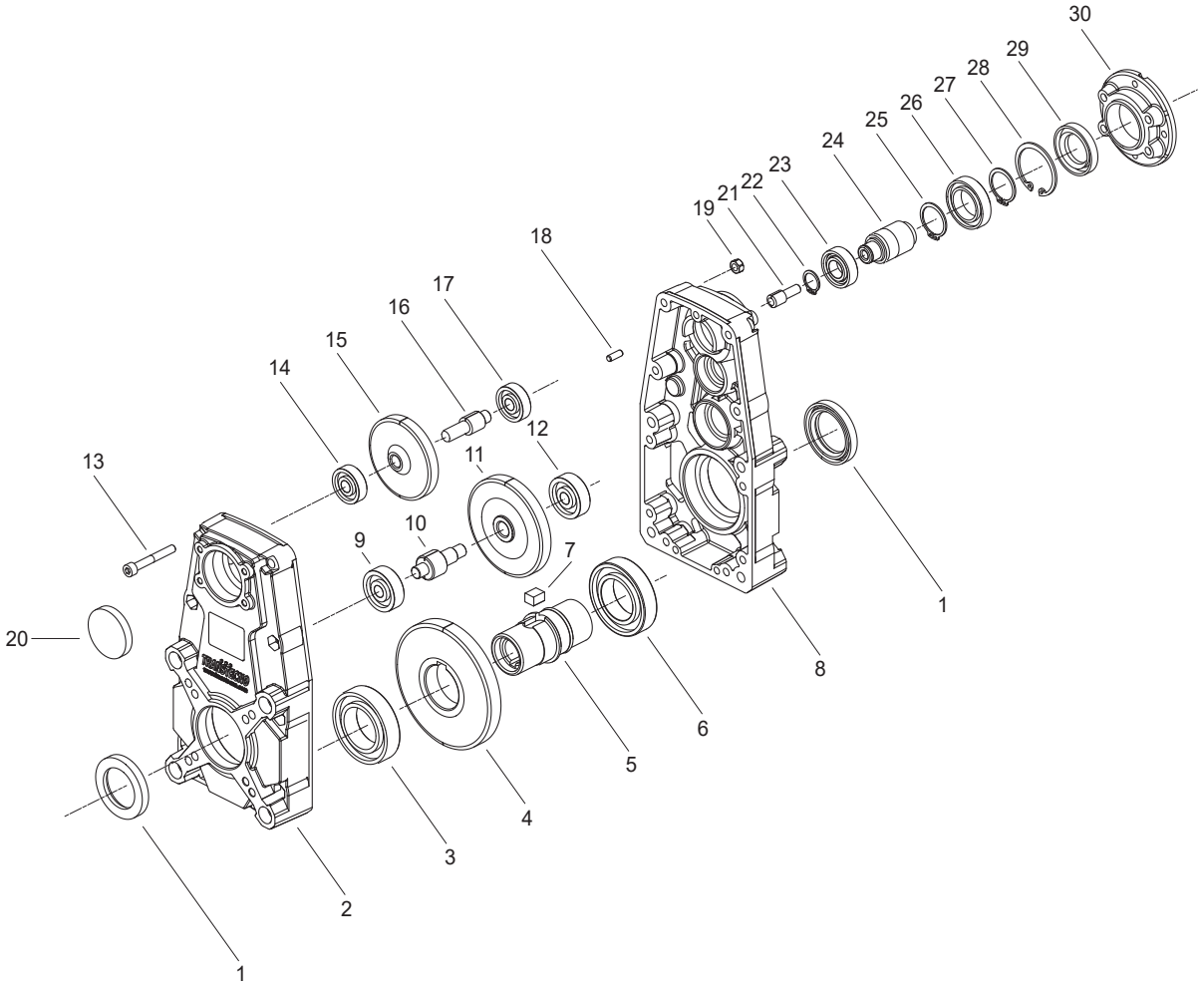
# KFT105 - FT105




| | Anelli di tenuta / *Oil seals* | | RCA |
|---|---|---|---|
| | **1** | **22** | **8** |
| **FT105** | 30/47/07 | 12/22/07 | 22x7 |
| **KFT105** | | | |

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

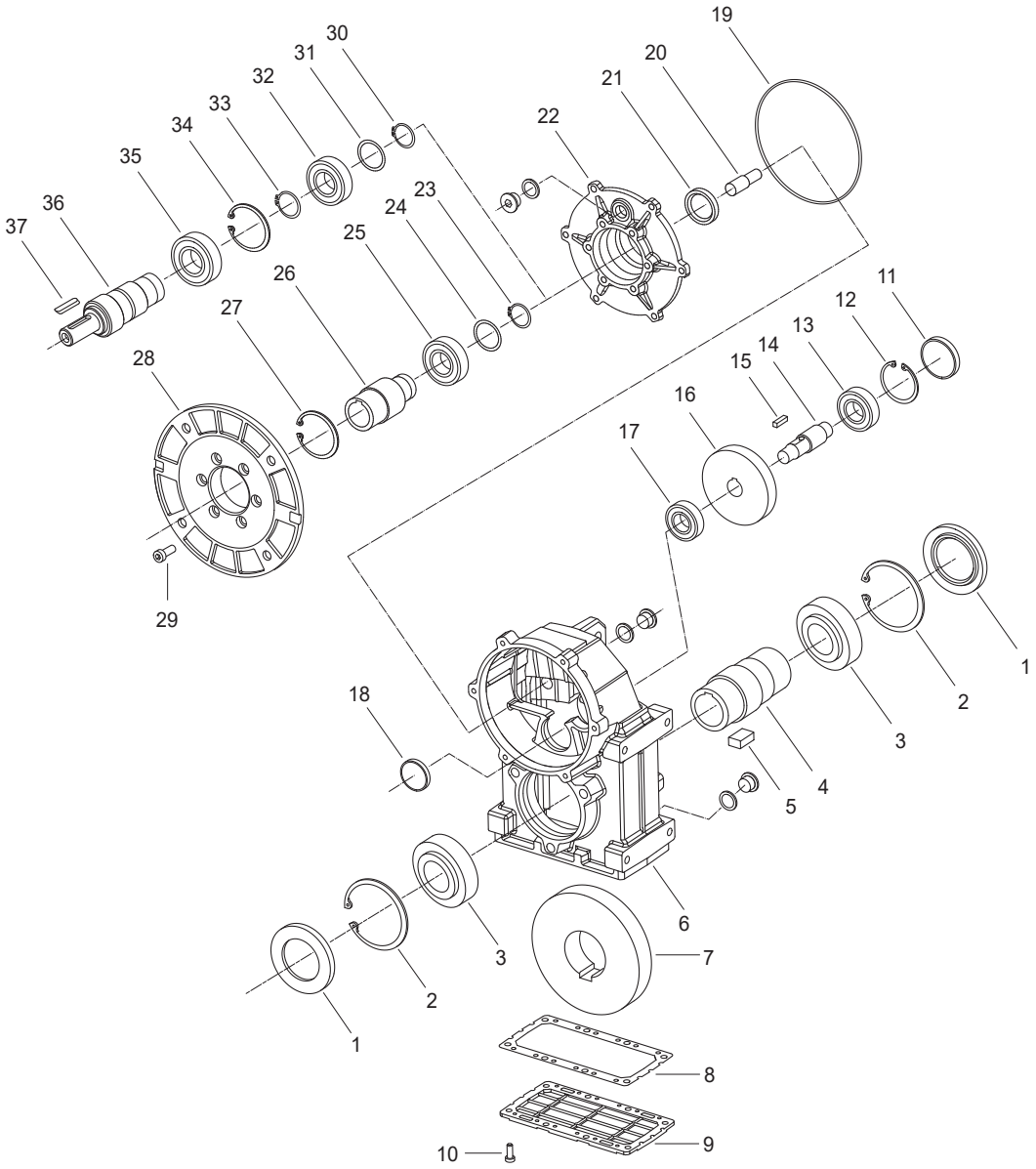
# FT146 - FT176 - FT196




| FT | Anelli di tenuta / *Oil seals* | | RCA |
|---|---|---|---|
| | **1** | **29** | **20** |
| **146** | 35/52/07 | 25/42/07 | 42x7 |
| **176** | 45/65/08 | 30/47/7 | 47x7 |
| **196** | 50/72/08 | 30/47/08 | 47x7 |

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

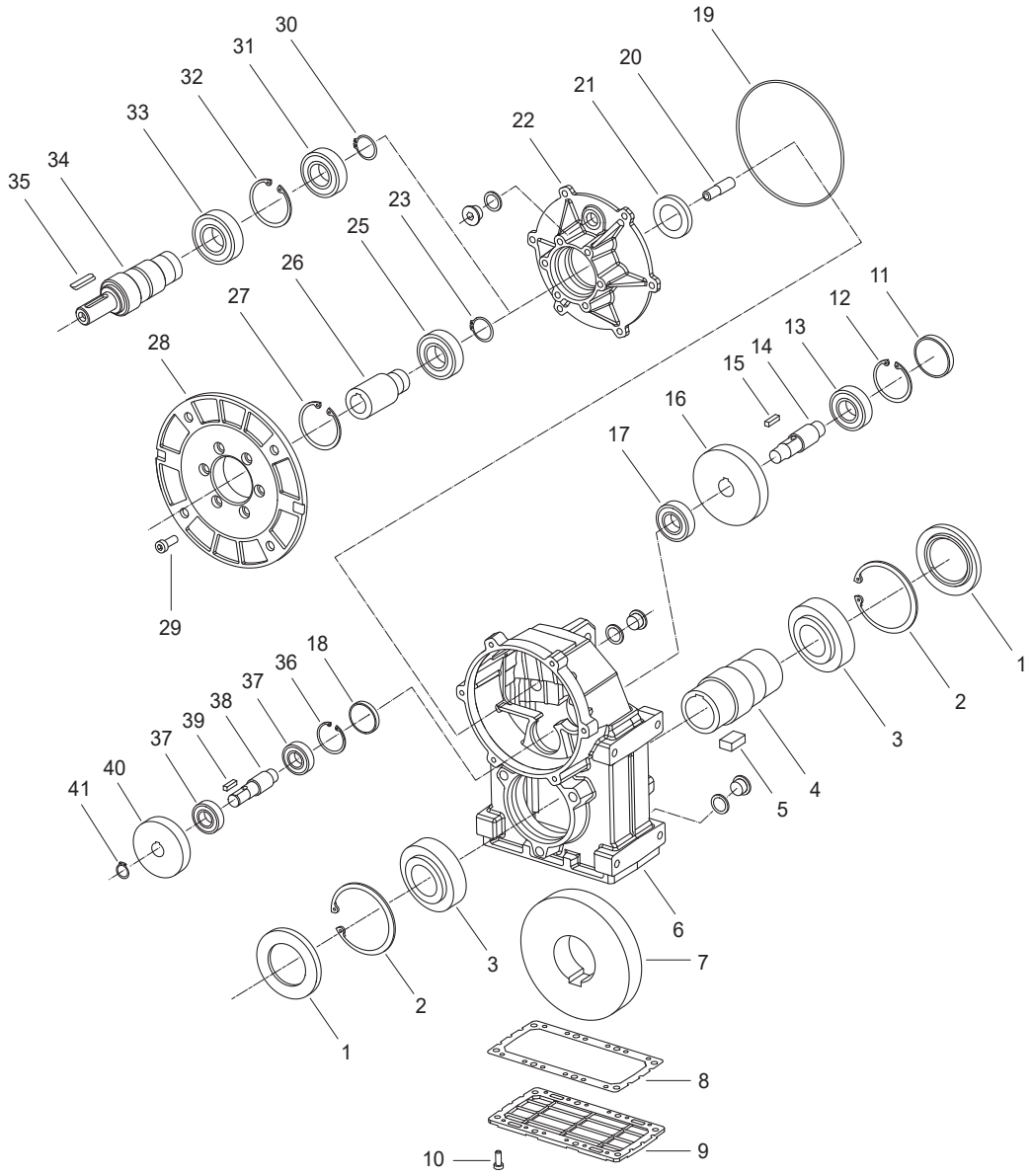
# ATS ..2




| ATS | Anelli di tenuta / *Oil seals* | | RCA |
|---|---|---|---|
| | **1** | **21** | **11** |
| **902** | 50/80/8 | 30/42/7 | 47x7 |
| **912** | 60/95/8 | 30/42/7 | 47x7 |

Lista parti di ricambio | *Spare parts list*

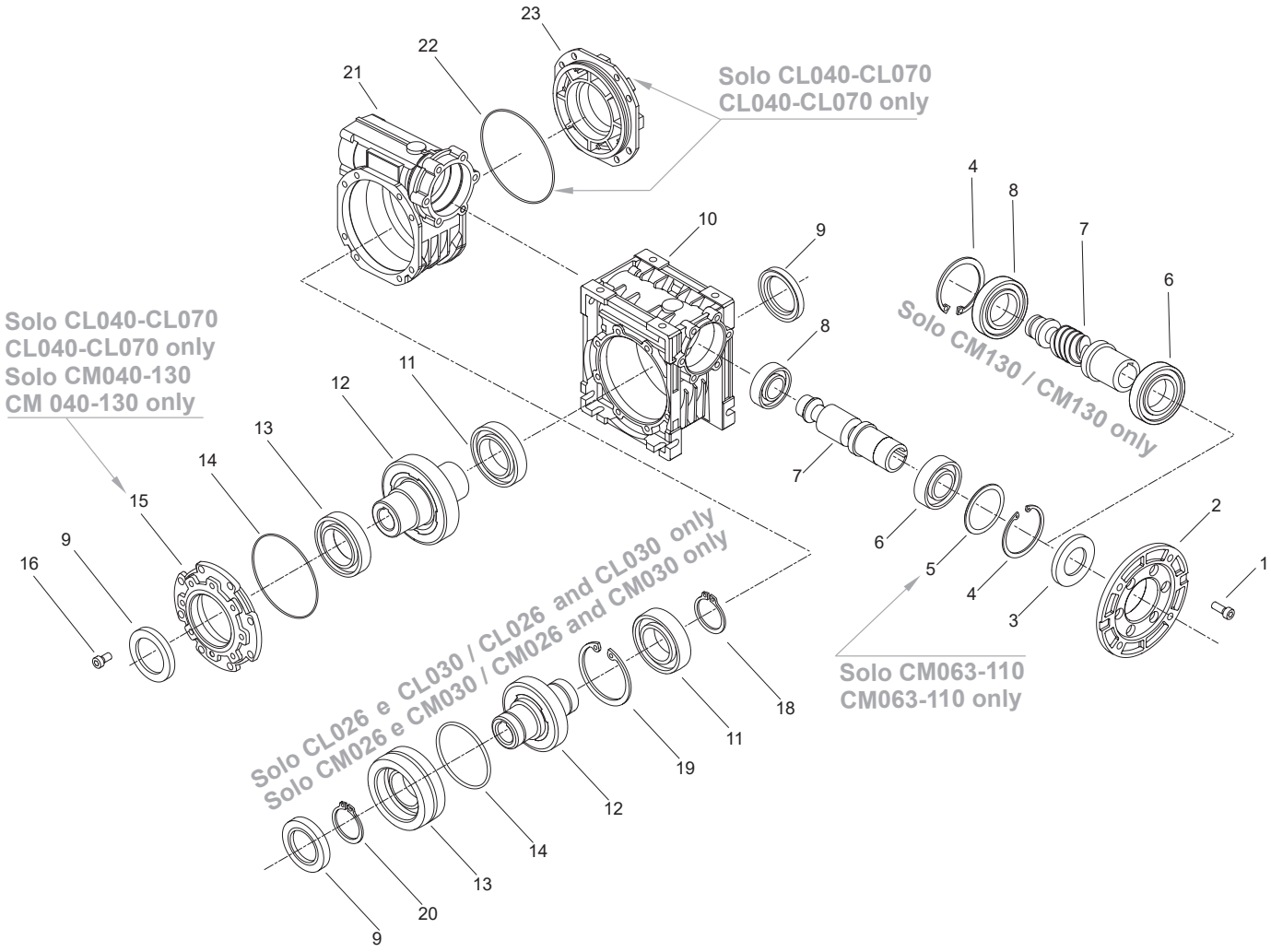
# ATS ..3




| ATS | Anelli di tenuta / *Oil seals* | | RCA |
|---|---|---|---|
| | **1** | **21** | **11** |
| **903** | 50/80/8 | 25/47/7 | 47x7 |
| **913** | 60/95/8 | 25/47/7 | 47x7 |

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

# CM026..CM130 - CL026..CL070

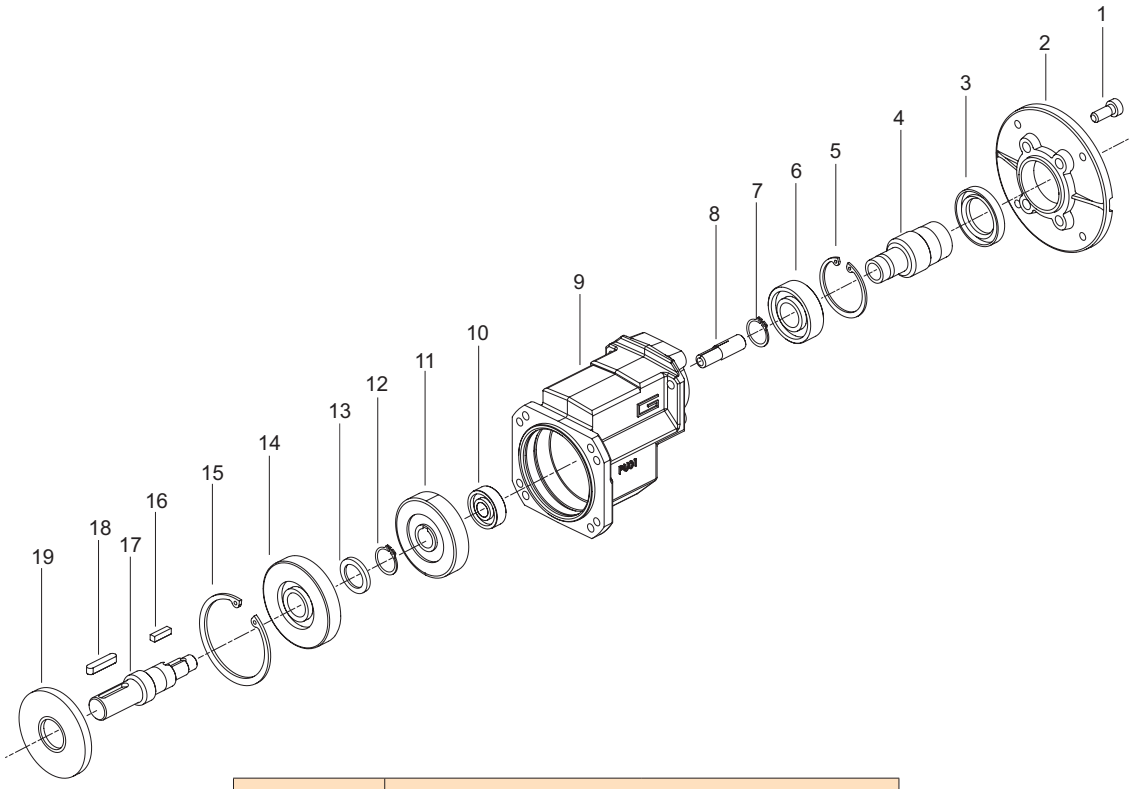



| CM | Anelli di tenuta / *Oil seals* | |
|---|---|---|
| | 3 | 9 |
| 026 | 15/28/7 | 20/32/5 |
| 030 | 20/37/7 | 25/40/7 |
| 040 | 25/42/7 | 30/47/7 |
| 050 | 30/47/7 | 40/55/7 |
| 063 | 35/62/7 | 45/65/8 |
| 070 | 40/68/8 | 45/65/8 |
| 075 | 40/68/7 | 50/72/8 |
| 090 | 40/68/7 | 60/85/8 |
| 110 | 50/80/8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

| CL | 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 |
| 070 | 40/68/8 | 45/65/8 |

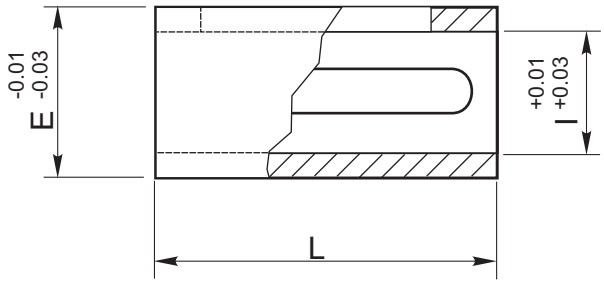
**Lista parti di ricambio** ***Spare parts list***

# PU




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

**Boccole di riduzione in acciaio** ***Metal shaft sleeves***




| *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 | 50 |
| **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.*

**TRANSTECNO SRL**
**HEADQUARTERS**
Company subject to the management
and coordination of INTERPUMP GROUP SPA
Via Caduti di Sabbiuno, 11/D-E
40011 Anzola dell'Emilia (BO)
ITALY
T+39 051 64 25 811
F +39 051 73 49 43
sales@transtecno.com
**www.transtecno.com**

TRANSTECNO®
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**MEMBER OF INTERPUMP GROUP**

CATACALU0724A



**HANGZHOU INTERPUMP**
**POWER TRANSMISSIONS CO LTD**
No.4 Xiuyan Road Fengdu Industry Zone
Pingyao Town Yuhang District
Hangzhou City, Zhejiang Province
311115 – CHINA
T +86 571 86 92 02 60
info-china@transtecno.cn
www.transtecno.cn

**TRANSTECNO IBÉRICA**
**THE MODULAR GEARMOTOR, S.A.**
Carrer de la Ciència, 45
08840 Viladecans (Barcelona) - SPAIN
T +34 931 598 950
info@transtecno.es
www.transtecno.es

**TRANSTECNO B.V.**
Siliciumweg 32
3812 SX Amersfoort - NETHERLANDS
T +31(0) 33 45 19 505
info@transtecno.nl
www.transtecno.nl

**TRANSTECNO AANDRIJFTECHNIEK B.V.**
Siliciumweg 32
3812 SX Amersfoort - NETHERLANDS
T +31 (0) 33 20 4 7 006
info@transtecnoaandrijftechniek.nl
www.transtecnoaandrijftechniek.nl

**MA TRANSTECNO S.A.P.I. DE C.V.**
Julián Sepúlveda Dávila #107,
Parque Industrial SG
Apodaca, Nuevo León, CP. 66640
MÉXICO
T +52 8113340920
info@transtecno.com.mx
www.transtecno.com.mx

**TRANSTECNO USA**
8 Creek Parkway,
Boothwyn PA 19061-8136 - UNITED STATES
T + 1 (610) 4970154

**TRANSTECNO USA – WEST COAST BRANCH**
14561 Fryelands Blvd SE
Monroe, WA 98272 - UNITED STATES
T +1 360-863-1300
usaoffice@transtecno.com
www.transtecno.com

**TRANSTECNO CANADA**
51 B Caldari Road Unit 10
Vaughan, ON L4K 4G3 - CANADA
T +1 905 761 0762
canadaoffice@transtecno.com
www.transtecno.com

**TRANSTECNO INDIA**
#6A, Sipcot Industrial complex, Phase-1,Elasagiri Road
Hosur – 635126 Tamilnadu - INDIA
T +91 4344 274434
M +91 81443 88800

**TRANSTECNO INDIA – NORTH BRANCH**
Plot No: 3 A, Sector 2, IIE, Sidcul, Pantnagar
U.S. Nagar, Uttarakhand – 263153 - INDIA
indiaoffice@transtecno.com
www.transtecno.com

**TRANSTECNO BRAZIL**
Rua Gilberto de Zorzi, 525 Forqueta - CEP. 95115-730
CX Postal 3544 Caxias do Sul RS – BRAZIL

**TRANSTECNO BRAZIL – SÃO PAULO BRANCH**
R. Mafalda Barnabe Soliane, 314 – CEP. 13347-610
Indaiatuba, São Paulo - BRAZIL
T +55 19 3437 2520

**TRANSTECNO BRAZIL – PORTO ALEGRE BRANCH**
Rua Dr. Freire Alemão 155 / 402 - CEP. 90450-060
Auxiliadora Porto Alegre RS - BRAZIL
T +55 51 4042 0916
M +55 51 811 45 962
braziloffice@transtecno.com
www.transtecno.com.br

**INTERPUMP ANTRIEBSTECHNIK GMBH**
Büro Stuttgart - GERMANY
T +49 (0)171 4781909
germanoffice@transtecno.com
www.transtecno.com

**SALES OFFICE OCEANIA**
Unit 5, 12 Nyholt Drive, Yatala 4207
Queensland - AUSTRALIA
T +61 07 3800 0103
M +61 04 38060997

UNIT 9 , 94 Boundary Rd, Sunshine West 3020
Victoria - AUSTRALIA
T +61 9312 4722
oceaniaoffice@transtecno.com
www.transtecno.com.au

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