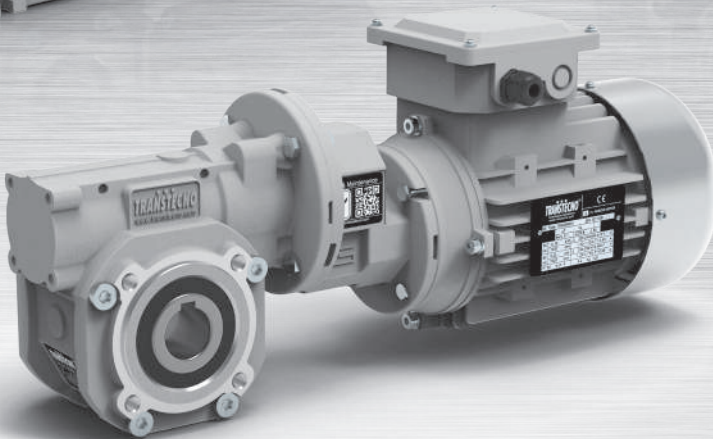
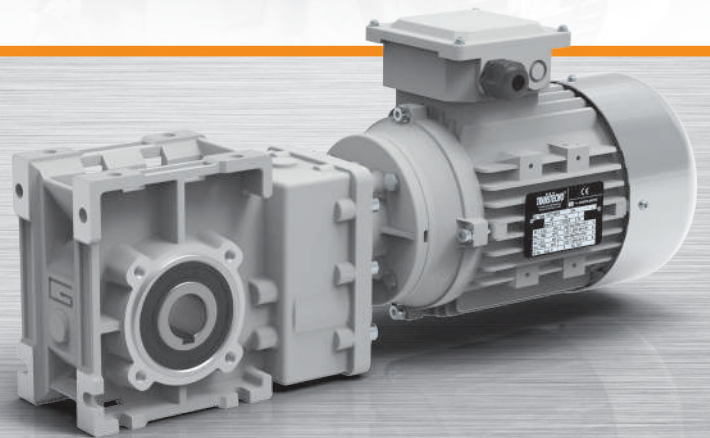
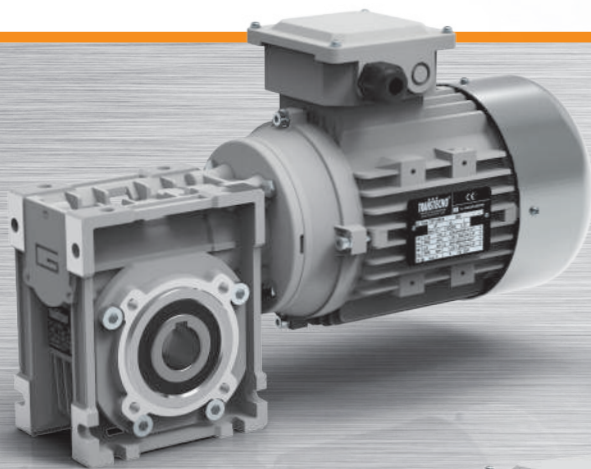
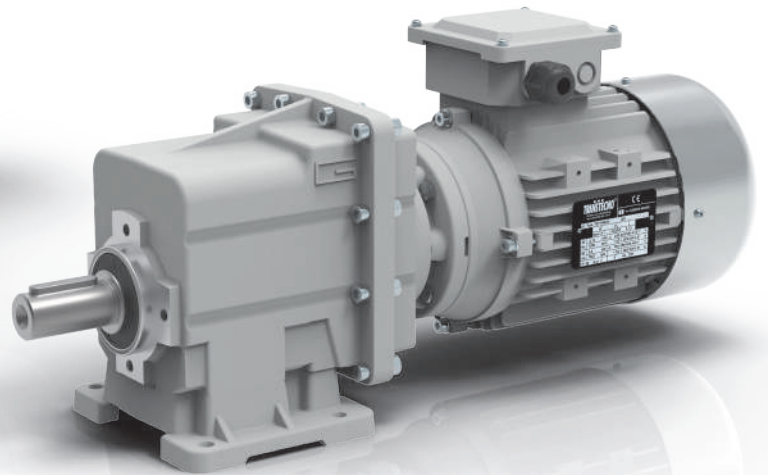
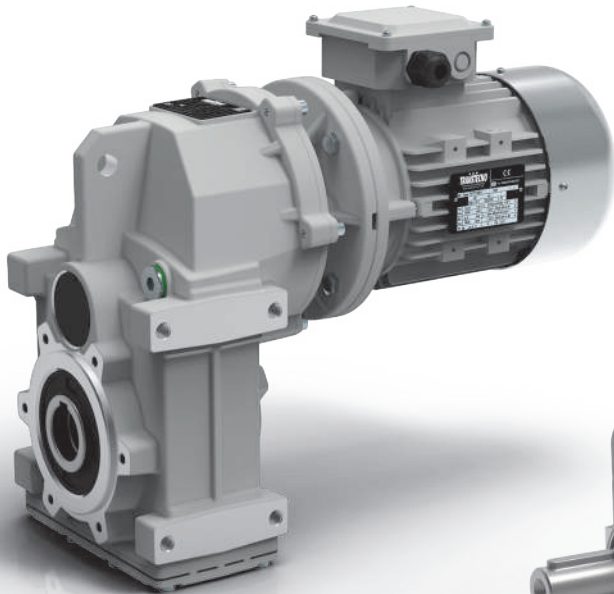



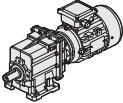

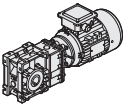

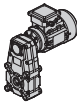

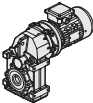
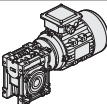
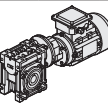
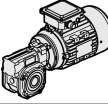
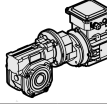


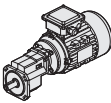
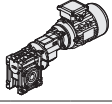
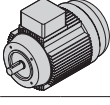
TRANSTECNO[®]
the modular gearmotor



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综合信息

General information

此手册中的信息以符号表示，以便更好地理解主题和数据信息，
这些符号便于使用者更容易选择正确的减速电机型号。

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

输入转速

n_1 [min⁻¹]

Input speed

减速机的输入转速与选择的驱动装置转速相关。

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

如需不同的输入转速，请联系我司技术部门。

When different speeds are required, contact our Technical Ser-
vice.

传动比

i

Gear ratio

传动比与减速机内部的齿轮齿数直接相关，在蜗轮蜗杆减速机中这
个数值由蜗轮的齿数除以蜗杆头数得到。从样本中给出的数据，
可用下面公式计算得出传动比：

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:

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

输出转速

n_2 [min⁻¹]

Output speed

减速机输出转速可以用以下公式计算得出：

This is the gearbox output speed calculated using the formula gi-
ven above:

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

要求扭矩

Mr_2 [Nm]

Requested torque

扭矩是视应用情况而定，选择驱动系统时必须知道的。扭矩一般
由使用者提供或者根据应用数据（如提供）计算得出。

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).

额定扭矩

Mn_2 [Nm]

Nominal torque

额定扭矩是通过减速机的输入转速 n_1 和传动比 i 传递的，它的计算以个系数为基础，这个系数是持续稳定的相当于1的服务系数。样本上未给出此数值，但是可以根据下列输出扭矩和服务系数的公式计算出接近的数值。

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):

$$Mn_2 = M_2 \cdot sf$$

输出扭矩

M_2 [Nm]

Output torque

减速机的输出扭矩取决于驱动电机的功率 P_1 、每分钟输出转数 rpm n_2 和动态效率 Rd ，可以用以下公式计算得出：

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:

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

或
or:

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

或
where:

$$P_2 = P_1 \cdot Rd$$

效率

$Rd; Rs$

效率是通过减速机的动态效率计算得出（在磨合期过后常速运转时达到最佳值）。

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

减速机组合总的传动效率是两台减速机单个效率的乘积。第二个减速机的效率取决于其减速机输入转速，由转速 n_1 除以第一个减速机的传动比得到。

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.

一定要注意蜗轮蜗杆减速机在刚启动时会出现静态效率，它将减少输出扭矩。因此，对于间歇运转的使用情况下（如提升），选型时需考虑到静态效率值。

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.

蜗轮蜗杆静态和动态效率请参考CM/CMP表格。

Dynamic and static efficiency of wormgearboxes are given in the table into section CM/CMP.

斜齿轮减速机CMG, 伞齿轮减速机CMB和单级齿轮减速机PU的平均效率为94%。

On helical gearboxes CMG, CMB and PU the average efficiency is 94%.

可逆性与不可逆性

Reversibility and irreversibility

蜗轮蜗杆减速机的可逆性直接与效率有关（动态及静态）。它决定了当输出端作用一定的扭矩时输入端是否还能转动。

可逆性是否具备、减速机可逆（不可逆）的程度等级，这些特征主要受下列因素影响：螺旋角、润滑油、温度、蜗杆齿面加工精度、振动等。

在一些应用中包括减速传动，由于运动部件的惯性会对驱动部件产生不可承受的冲击力，所以必需保证有较高的可逆性。

在一些应用中要求负载不能回转（如提升、倾斜传送带），当电机不具刹车功能时，必需选用不可逆性高的减速机。

然而，我们必须指出不能回转的可靠性只有通过刹车电机或其它外部刹车装置来保证。

下面的表格中提供了参考数据，包括了多种可逆/不可逆的程度等级与动态效率Rd与静态效率Rs的关系。

Reversibility of the wormgearbox is the direct consequence of efficiency (static and dynamic). This determines whether or not the input shaft can be rotated by applying a certain torque on the output shaft.

Whether or not this can be done and how difficult it actually is to do determine the degree of reversibility (or irreversibility) of a gearbox.

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

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

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

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

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

Rd	动态可逆性与不可逆性	Dynamic reversibility and irreversibility
> 0.6	动态可逆性	Dynamic reversibility
0.5 - 0.6	动态可逆性不稳定	Uncertain dynamic reversibility
0.4 - 0.5	较好的动态不可逆性	Good dynamic irreversibility
<0.4	动态不可逆性	Dynamic irreversibility
Rs	静态可逆性与不可逆性	Static reversibility and irreversibility
> 0.55	静态可逆性	Static reversibility
0.5 - 0.55	静态可逆性不稳定	Uncertain static reversibility
<0.5	静态不可逆性	Static irreversibility

输入功率

P₁ [kW]

Input power

输入功率由减速机输入端的电机在转速n₁时给定。

输入功率可以由以下公式计算得出：

This is the power applied by the motor at the gearbox input in reference to speed n₁.

It can be calculated with the following formula:

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

服务系数

sf

Service factor

服务系数sf用来表明特定的驱动系统过载时保证符合使用要求及可承受冲击的能力。

下面表格中提供了系列不同服务系数下相对应的驱动系统以满足多种使用工况要求。为更好地理解各项中的服务系数须知道以下参数：负载的类型时的启动次数。

一旦负载类型确定好以后，就可以根据驱动系统实际使用情况选定服务系数sf。

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.

负载类型	A - 均衡负载	fa ≤ 0.3
	B - 中等冲击	fa ≤ 3
	C - 严重冲击	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 (kgm²) 换算到驱动轴上的外部转动惯量。
- Jm (kgm²) 电机转动惯量。
如果 fa > 10, 请联系我司技术部门。

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

- Je (kgm²) moment of reduced external inertia at the drive-shaft
- Jm (kgm²) moment of inertia of motor.
If fa > 10 call our Technical Service.

A

负载等级 / Load class
均匀负载 / Uniform load

sf		启动次数/小时 / n. start-up/hour								
h/d	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

负载等级 / Load class
中等冲击负载 / Moderate shock load

sf		启动次数/小时 / n. start-up/hour								
h/d	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

负载等级 / Load class
严重冲击负载 / Heavy shock load

sf		启动次数/小时 / n. start-up/hour								
h/d	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	

应用举例：

传送带输送属千B类负载类型（中等冲击），1天工作16小时，1小时内启动8次。
从表中可以选定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

径向负载

R; R₂ [N]

Radial load

减速机输出轴上使用的齿轴、带轮所产生的径向力必须要考虑到，否则会因受力过大而损坏减速机。

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.

外部径向负载R可以用下公式计算得出：

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

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

其中：

d [mm] 齿轴或带轮直径
kr 不同传动产品的系数：
kr = 1.4 链轮
kr = 1.1 齿轮
kr = 1.5 - 2.5 用于V型带轮

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

注意：数值R₂是基于径向负荷作用在输出轴的中心线上。所以，应在相同条件下进行数值比较。

Keep in mind that values R₂ refer to loads that act on the center-line of the output shaft (considering the shaft protrudes). As a result, the value should be compared under the same conditions.

轴向负载

A; A₂ [N]

Axial load

输出轴上作用有径向负荷同时也有可能伴随有轴向负载A。在这种情况下请记住最大允许的轴向负载 A₂：

At times, along with the radial load, force A may be present that acts axially on the output shaft. In this case, keep in mind allowable axial load A₂ that can be applied on the shaft is:

$$A_2 = R_2 \cdot 0.2$$

如果输出轴上的轴向负载A大于A₂，请联系我司技术部。

If axial load A that acts on the shaft is greater than A₂, contact our Technical Service.

减速电机选型

Selecting the gearmotors

减速电机选型请按照如下程序进行：

To select the required gearmotor, perform the procedure below:

1. 参考A5页上的表格选定适用的服务系数。这是由负载类型，每天运行小时数和每小时的启动次数决定的。
2. 如果已知电机输出功率P，可直接转到第3条；如果已知输出扭矩M，可使用以下公式计算电机输出功率：

1. Determine the service factor *sf* for the desired application by referring to the charts given on page A5. This is to be done by considering the class of load, the operational hours/day and the number of start-ups/ hour.
2. 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:

$$P = \frac{M \cdot n_2}{9550 \cdot Rd}$$

减速电机
Gearmotor

其中Rd表示动态效率(G7 页显示)，n₂表示减速电机的输出转速。

where Rd stands for the dynamic efficiency (indicated on page G7) and n₂ indicates the required output rpm of the gearmotor.

3. 使用参数表搜索功率 P_1 大于或等于 P ，选择转速 n_2/n_{2max} 接近需求的一个值。选择服务系数等于或大于第1条计算得出的值。

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

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
---------------	-------------------------------	---------------	----	---	---	---

0.18						
63B4 (1400 min ⁻¹)	30.0	54	2.2	46.61	CMG013	B5
	25.3	64	1.9	55.36		
	22.1	73	1.6	63.22		
	18.6	87	1.4	75.08		B5

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
---------------	-------------------------------	---------------	----	---	---	---

0.18						
63B4 (1400 min ⁻¹)	187	8	4.4	7.5	CM040	B5/B14
	140	10	3.7	10		
	93	15	2.5	15		
	70	19	2.1	20		
	56	22	1.7	25		
	47	25	1.7	30		
	35	32	1.3	40		
	28	39	1.0	50		

举例/ Example:

应用/ Application:

传送带/ Conveyor belt

P : 0.18 kW
sf : 1.5
 n_2 : 23 min⁻¹

功率选择/ Power unit selected:

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

举例/ Example:

应用/ Application:

传送带/ Conveyor belt

P : 0.17 kW
sf : 1.5
 n_2 : 45 min⁻¹

功率选择/ Power unit selected:

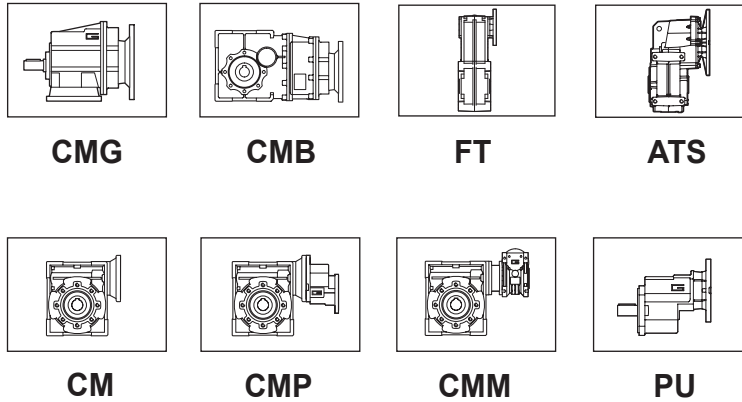
CM040 i = 30, P_1 = 0.18 kW, sf = 1.7

润滑油

Lubrication

CMG, CMB, FT, ATS, CM, CMP, CMM和PU系列所有机型都使用粘度320的长寿命合成润滑油, 免维护。

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



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

图表中包含了相似的各种润滑油型号。

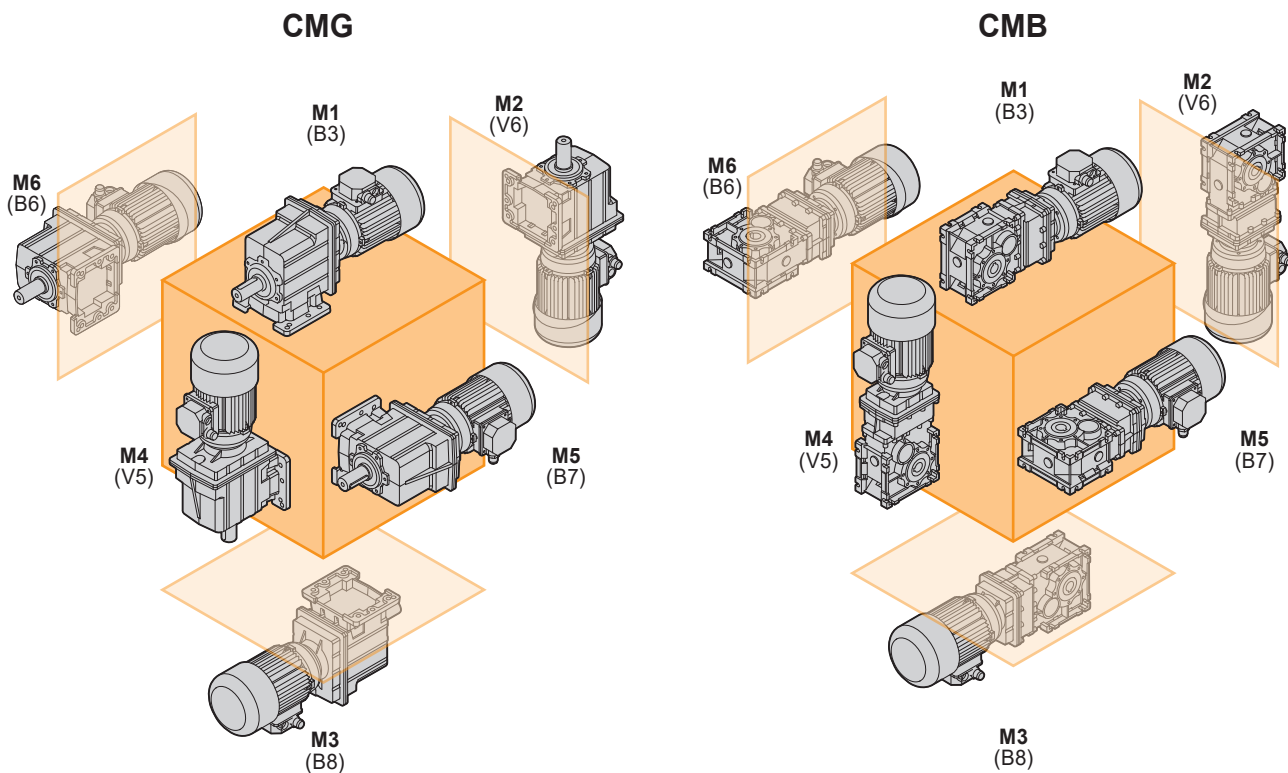
The tables contain the approximate amount of lubricant held and/or to be put in.

请在订单中说明减速机的安装位置。

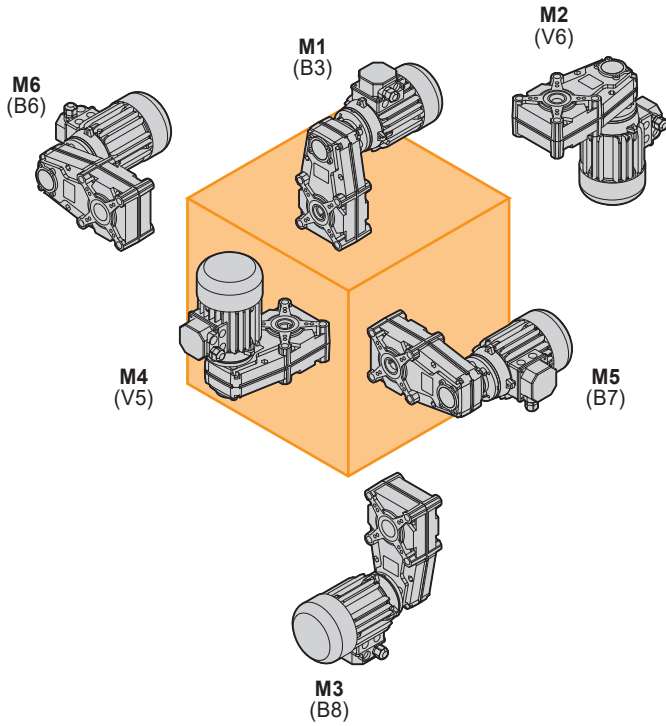
Always specify the desired installation position at the time of order.

安装位置

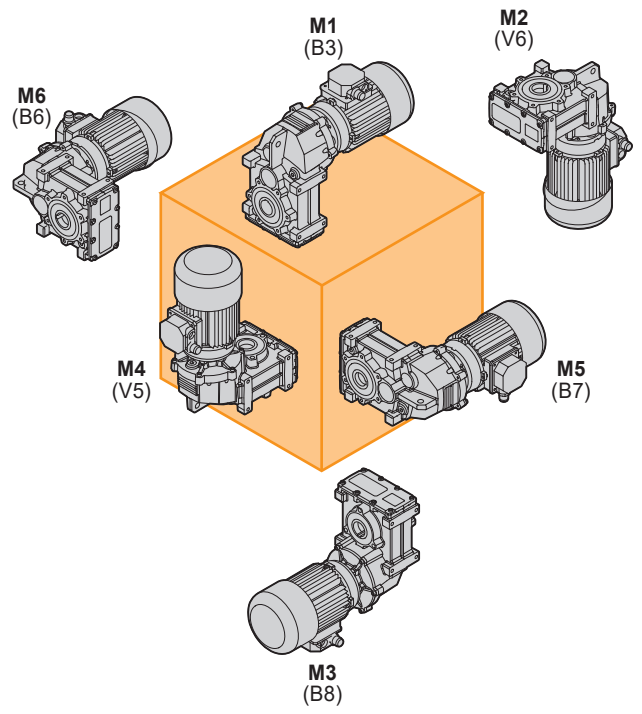
Mounting positions



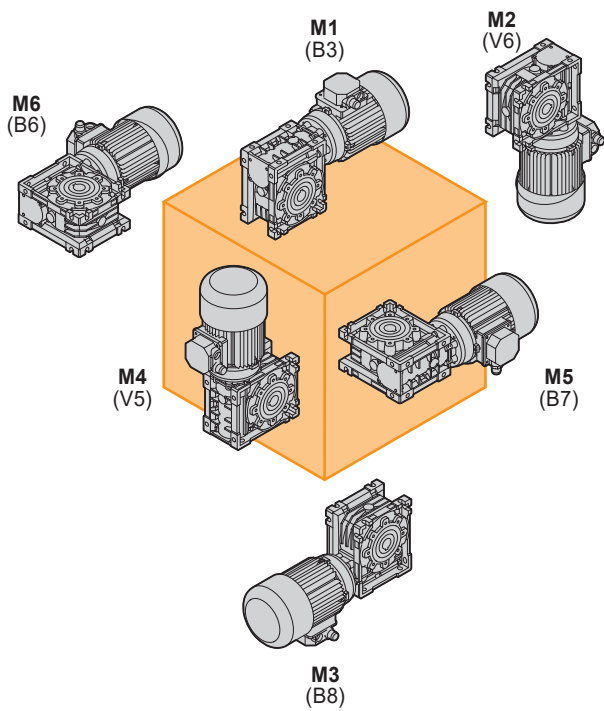
FT



ATS



CM



运行温度

Operating temperature

环境温度将影响减速机的技术要求。

The environmental temperature affects specifications of gearboxes.

标准温度范围/ Standard temperature range

CMG	-35°C / +50°C
CMB	-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

特殊温度范围 / Special temperature range

	<-15°C	-35°C/-25°C	<-35°C	>+50°C
CMG			用硅橡胶 (VMQ)油封 use silicone (VMQ) oil seals 用低温润滑油 use low temperature lubricant	用氟橡胶 (FPM)油封 use Viton (FPM) oil seals 用高温润滑油 use high temperature lubricant
CMB				
FT				
ATS				
CM026 - CM050		用NBR输入油封替换 replace input oil seal with NBR		
CM063 - CM110				
CM130	输出轴可承受的径向负载减半 halve the output radial loads			
CMP				
PU				

当温度小于0°C时，参考以下注释：

- 检查电机是否适合低温环境；
- 由于润滑油的粘度较高，检查电机是否有较高的启动扭矩；
- 空载运转几分钟以保证润滑良好。

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;

安装和检查

Installation and inspection

安装减速机时，应确保如下：

- 铭牌上的数据信息应与订单要求信息一致；
- 配合面和轴应保持清洁、无毛刺；
- 减速机安装的表面应平整并有足够的强度；
- 请保持减速机输出轴与机器配对孔同轴；
- 如果机器在运行中易产生冲击力和堵住的情况，请安装相适应的扭力限制器；
- 机器的运动部件周围确保做好防护工作；
- 如果机器安装在室外，请在机器外围安装遮雨遮阳的装置；
- 不要暴露在腐蚀性的环境中（除非订单中有说明减速机才做相适应的配置；
- 如齿轴/带轮安装到减速机的输入轴或输出轴上，请正确地配合安装，以防产生的径向或轴向载荷超过许用值；
- 所有的连接部分都已经经过防锈处理以防接触后生锈；
- 所有的紧固件都已经正确地紧固；
- 请根据减速机CM130的安装方位检查润滑油量。

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.

应用限制

Critical applications

以下情况请联系我司技术部：

- 用以增加转速；
- 用作升降机；
- 用于样本上未显示出的安装位置；
- 用于压力不同于大气压的环境中使用；
- 用于温度 $<-35^{\circ}\text{C}$ 或 $>+50^{\circ}\text{C}$ 的环境。

In these cases please contact the Technical Service

- used to increase speed ;
- used as a hoist;
- used in mounting positions not shown in the catalogue;
- use in environment pressure other than atmospheric pressure;
- use in places with temperature $<-35^{\circ}\text{C}$ or $>+50^{\circ}\text{C}$

注释/Notes

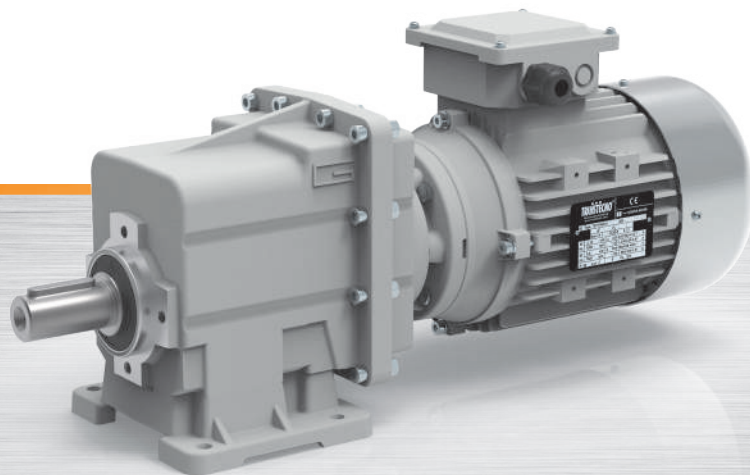
TRANSTECNO[®]
the modular gearmotor

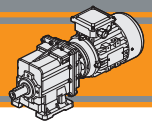
CMG

CMG



斜齿轮减速电机
Helical in-line gearmotors





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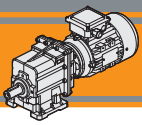
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该样本为最新版本，可替代以往的任何版本及修订版。如果您是通过非正式渠道取得，不能保证是最新内容，最新版可在本公司网站上查阅 www.transtecno.com

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技术特征

Technical features

CMG斜齿轮减速电机具有高度模块化的设计特点。可选用不同的法兰和底座组建各种减速机方案。

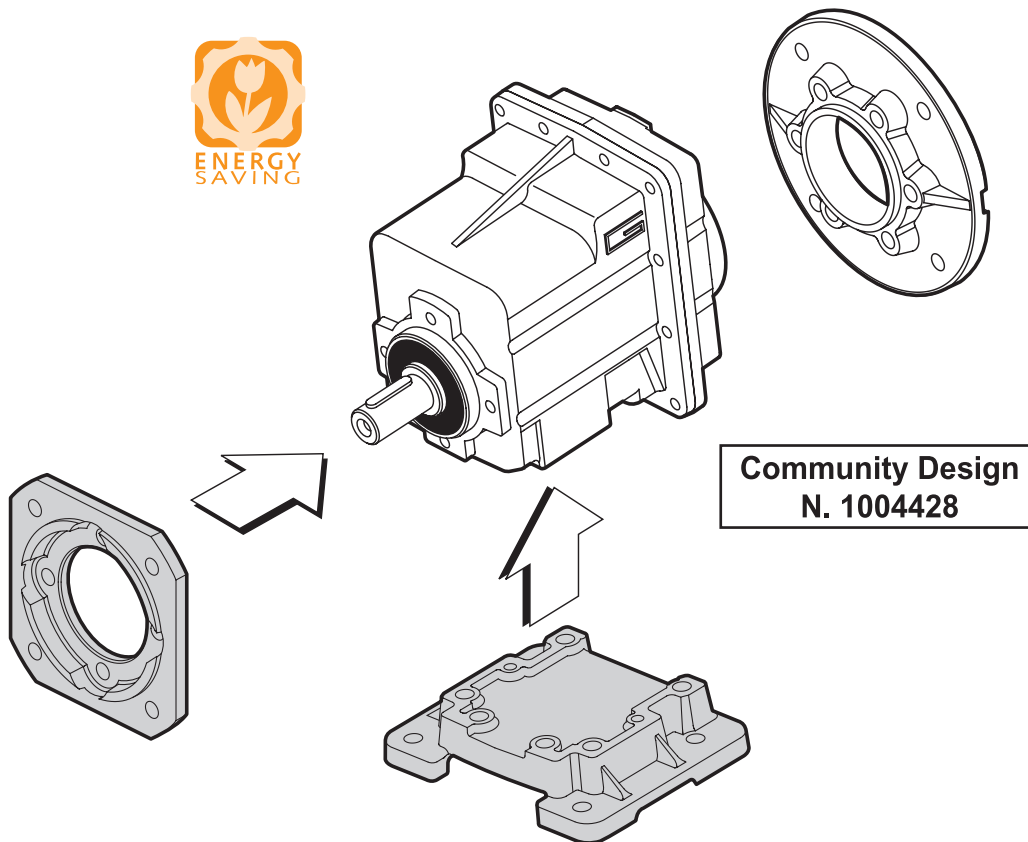
The high degree of modularity is a design feature of CMG helical in-line gearmotors range. It is possible to set up the version required using flanges or feet.

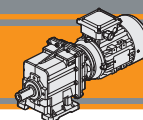
CMG系列的主要特征:

The main features of CMG range are:

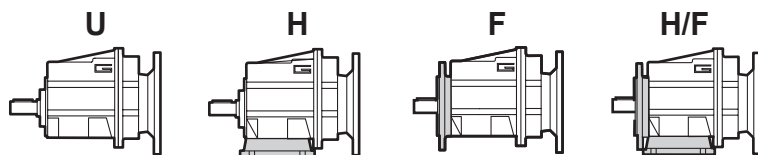
- 型号00、01、02、03、04使用压铸铝合金的箱体和输入法兰;
- 底座和输出法兰使用铸铁材料;
- 磨削硬齿面斜齿轮;
- 使用长寿命合成润滑油。

- 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.




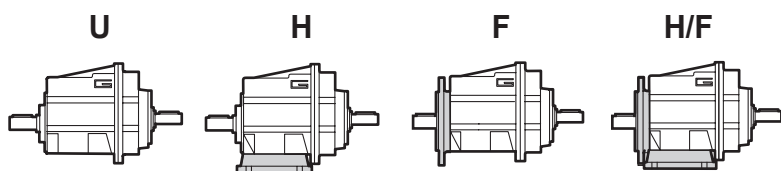


选型



减速机 / GEARBOX


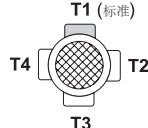
CMG	01	2	H65	9.81	D20	71	B14
类型 Type	型号 Size	级数 Stages	底座/输出法兰型号 Version	速比 Ratio	输出轴 Output shaft	IEC 	法兰形式 Version
CMG	00 01 02 03 04	2 3	U... H... F... H.../F...	见表格 see tables	见表格 see tables	56.. — 112..	B5 B14

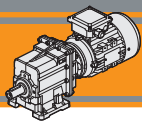


减速机 / GEARBOX

CMGIS	01	2	U	9.81	D20
类型 Type	型号 Size	级数 Stages	底座/输出法兰型号 Version	速比 Ratio	输出轴 Output shaft
CMGIS	00 01 02 03 04	2 3	U... H... F... H.../F...	见表格 see tables	见表格 see tables

三相电机 / THREE PHASE MOTOR

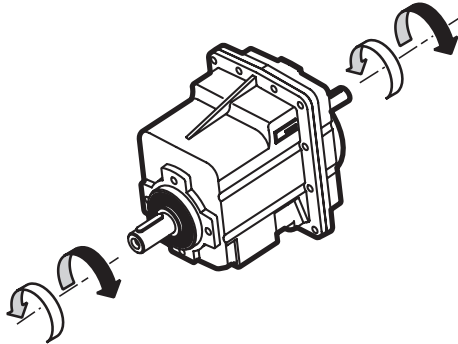
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	底座/输出法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS	 页	1-2-3-S L1-L2	4	0.09 kW ... 2.2 kW	B5 B14	3 ph	230-400 V 275-480 V	50Hz 60Hz	T1 (标准)  T4 T2 T3



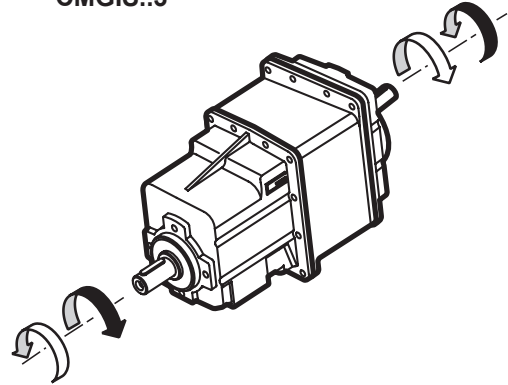
运转方向

Direction of rotation

CMG...2
CMGIS..2




CMG...3
CMGIS..3



代号说明

Symbols

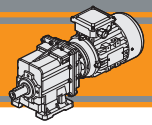
n_1	[min^{-1}]	输入转速 / <i>Input speed</i>
n_2	[min^{-1}]	输出转速 / <i>Output speed</i>
i		速比 / <i>Ratio</i>
P_1	[kW]	输入功率 / <i>Input power</i>
M_2	[Nm]	输出扭矩参照 P_1 / <i>Output torque referred to P_1</i>
Pn_1	[kW]	额定输入功率 / <i>Nominal input power</i>
Mn_2	[Nm]	额定输出扭矩参照 Pn_1 / <i>Nominal output torque referred to Pn_1</i>
sf		服务系数 / <i>Service factor</i>
R_2	[N]	输出端许用径向负荷 / <i>Permitted output radial load</i>
A_2	[N]	输出端许用轴向负荷 / <i>Permitted output axial load</i>
 kg	[kg]	减速机重量 / <i>Weight of the gearbox only</i>

润滑油

Lubrication

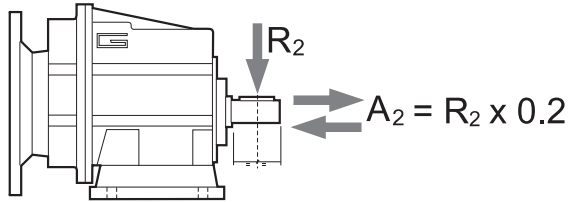
使用长寿命合成润滑油 (粘度320)。型号 00、01、02、03、04可以在任意位置安装, 并免维护。

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.



径向负荷

Radial loads

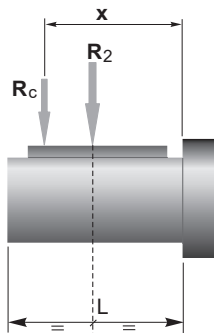


n ₂ [min ⁻¹]	R ₂ [N]				
	CMG 00	CMG 01	CMG 02	CMG 03	CMG 04
700	416	764	1529	1987	2379
600	437	805	1609	2092	2504
500	465	855	1710	2223	2661
400	501	921	1842	2395	2866
250	586	1077	2154	2801	3353
180	653	1323	2554	3321	3897
150	748	1406	2714	3529	4244
120	806	1631	3467	3801	4572
100	958	1842	3684	4507	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

CMG

当产生的径向负荷不是作用在传动轴伸出长度的中间位置，
必须用以下公式来计算有效负荷：

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

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

a, b = 图表中给出的值
a, b = values given in the table

$$R \leq R_c$$

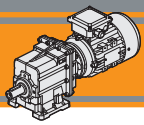
电机适配表

Motors adapters

CMG	TS电机					
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14
002						
012						
013						
022						
023						
032						
033						
042						
043						

备注：灰色区域表示每种尺寸装置上可用的电机输入。

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



CMG 斜齿轮减速电机

Helical in-line gearmotors

技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters			
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14
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				*

备注：
阴影部分指该型号有适合的电机输入

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



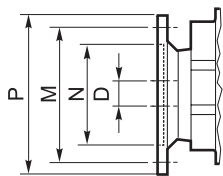
* = 服务系数选择需根据应用情况：请与我司技术部取得联系。

减速机选型前请参考B11至B19的技术参数表格。

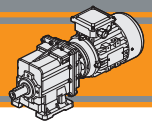


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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



IEC尺寸参数 / 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	




技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters					
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14	
CMGIS 012										
	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				*		*

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters					
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14	
CMGIS 013										
	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				*		*

备注：
阴影部分指有该型号有适合的电机输入。

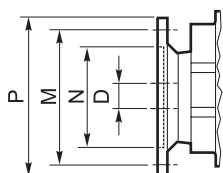
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数选择需根据应用情况：请与我司技术部取得联系。

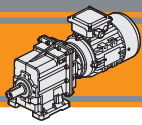
 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速机选型前请参考B11至B19的技术参数表格。

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



IEC 尺寸参数 / 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	

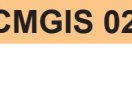


技术参数

n_1 1400 min⁻¹


Technical data


	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 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					*

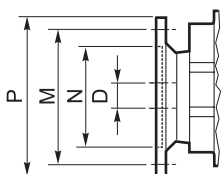
	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters				
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
CMGIS 023									
	21.9	200	0.49	64.01					*
	18.4	200	0.41	76.02				*	*
	15.5	200	0.35	90.29				*	*
	12.2	200	0.27	114.46				*	*
	10.3	200	0.23	135.95				*	*
	8.0	200	0.18	175.89			*	*	*
	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			*	*	*

备注：
阴影部分指有该型号有适合的电机输入。

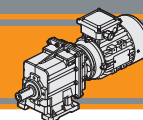
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * =服务系数选择需根据应用情况：请于我司技术部取得联系。
减速机选型前请参考B11至B19的技术参数表格。

 * = 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.



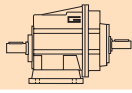
IEC 尺寸参数 / IEC Dimensions										
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14
N	80	50	95	60	110	70	130	80	130	95
M	100	65	115	75	130	85	165	100	165	115
P	120	80	140	90	160	105	200	120	200	140
D	9		11		14		19		24	



技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMGIS 032				
	374	150	6.1	3.74
	311	150	5.1	4.50
	255	150	4.2	5.48
	222	180	4.4	6.31
	177	180	3.5	7.93
	154	180	3.0	9.08
	128	180	2.5	10.93
	111	250	3.0	12.60
	105	250	2.9	13.30
	91.5	280	2.8	15.30
	76.9	240	2.0	18.21
	72.8	280	2.2	19.24
	66.2	240	1.7	21.15
	56.0	300	1.8	24.99
	45.8	300	1.5	30.57
	40.9	300	1.3	34.20
	36.2	300	1.2	38.63
	31.7	300	1.0	44.18
	27.3	300	0.89	51.30
	23.0	300	0.75	60.80

IEC 电机适配法兰 IEC Motor adapters				
71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14
B				
B				
B				
B				
B				
B				*
B				*
B				*
B				*
B				*
B				*
B				*
B				*
B			*	*
B			*	*
B			*	*
B			*	*
B		*	*	*
B		*	*	*

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

56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14
				*
				*
			*	*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*

备注：
阴影部分指有该型号有适合的电机输入。
B=金属轴套

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



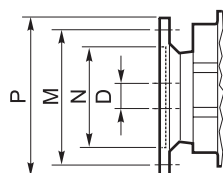
* =服务系数选择需根据应用情况：请于我司技术部取得联系。



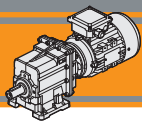
* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速机选型前请参考B11至B19的技术参数表格。

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



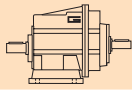
IEC 尺寸参数 / IEC Dimensions												
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14	100/112 B5	100/112 B14
N	80	50	95	60	110	70	130	80	130	95	180	110
M	100	65	115	75	130	85	165	100	165	115	215	130
P	120	80	140	90	160	105	200	120	200	140	250	160
D	9		11		14		19		24		28	

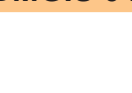


技术参数

n_1 1400 min⁻¹


Technical data


	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters					
					71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14	
CMGIS 042										
	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			*		*

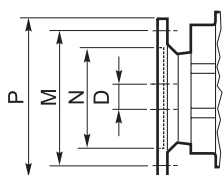
	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters					
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14	90 B5/B14	
CMGIS 043										
	19.2	500	1.1	72.83						
	14.4	500	0.80	97.45						*
	12.1	500	0.67	115.74						*
	9.9	500	0.55	140.81						*
	8.0	500	0.45	174.26						*
	6.2	500	0.35	225.47				*		*
	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				*		*

备注：
阴影部分指有该型号有适合的电机输入。
B=金属轴套

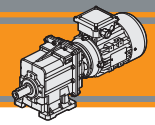
N.B.
Highlighted areas indicate motor inputs available on each size of unit.
B = Metal shaft sleeve.

 * =服务系数选择需根据应用情况：请于我司技术部取得联系。
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Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.

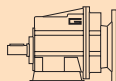
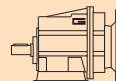


IEC 尺寸参数 / IEC Dimensions												
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14	90 B5	90 B14	100/112 B5	100/112 B14
N	80	50	95	60	110	70	130	80	130	95	180	110
M	100	65	115	75	130	85	165	100	165	115	215	130
P	120	80	140	90	160	105	200	120	200	140	250	160
D	9		11		14		19		24		28	



技术参数

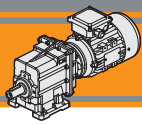
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.06						0.06							
TS5614 (1400min ⁻¹)	279	2	20.3	5.03	CMG002	TS5614 (1400min ⁻¹)	22	24	4.9	63.22	CMG013		
	230	2	16.7	6.10				19	29	4.2		75.08	
	187	3	13.6	7.49				16	34	3.5		89.17	
	156	4	14.2	8.99				12	43	2.8		113.05	
	138	4	12.5	10.16				10	52	2.3		134.27	
	116	5	10.5	12.07				8.1	67	1.8		173.72	
	105	5	13.3	13.40				6.9	78	1.5		202.16	
	92	6	11.8	15.14				5.4	101	1.2		261.57	
	77	7	9.8	18.17				4.6	117	1.0		304.00	
	65	8	8.3	21.58				3.6	151	0.8		393.33	
	60	9	7.6	23.51				3.2	171	0.7		443.59	
	56	10	7.1	25.10				12	44	4.5		114.46	CMG023
	52	11	6.6	27.08				10	52	3.8		135.95	
	43	13	5.5	32.49				8.0	68	3.0		175.89	
	33	17	4.2	42.04				6.8	79	2.5		204.69	
	31	18	4.0	44.89			5.3	102	2.0	264.84			
	29	19	3.6	48.86			4.5	118	1.7	307.80	CMG033		
	25	22	3.2	55.10			3.5	153	1.3	398.25			
	31	18	6.7	45.89	CMG012		3.1	173	1.2	449.14			
	29	19	6.2	49.00				6.2	87	3.5		225.47	
	26	21	5.7	53.33				5.3	101	3.0		262.05	
	23	24	5.1	60.15				4.3	125	2.4	325.79		
								3.7	146	2.1	378.64		
							3.3	164	1.8	427.03	CMG043		
							5.3	101	5.0	262.05			
							4.3	125	4.0	325.79			
							3.7	146	3.4	378.64			
							3.3	164	3.0	427.03			

CMG

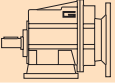


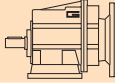
电机 Motors	TS
	5614
IEC	56 B5 / B14



技术参数

Technical data

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

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

0.09

TS5624 (1400 min ⁻¹)					CMG002
	279	3	13.5	5.03	
	230	4	11.1	6.10	
	187	4	9.1	7.49	
	156	5	9.4	8.99	
	138	6	8.3	10.16	
	116	7	7.0	12.07	
	105	8	8.9	13.40	
	92	9	7.8	15.14	
	77	11	6.5	18.17	
	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	

0.09

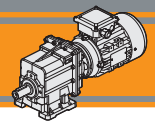
TS5624 (1400 min ⁻¹)					CMG033
	12.1	67	4.5	115.74	
	9.9	81	3.7	140.81	
	8.0	101	3.0	174.26	
	6.2	130	2.3	225.47	
	5.3	151	2.0	262.05	
	4.3	188	1.6	325.79	
	3.7	219	1.4	378.64	
	3.3	246	1.2	427.03	
	8.0	101	5.0	174.26	CMG043
	6.2	130	3.8	225.47	
	5.3	151	3.3	262.05	
	4.3	188	2.7	325.79	
	3.7	219	2.3	378.64	
	3.3	246	2.0	427.03	

0.12

TS6314 (1400 min ⁻¹)					CMG002
	279	4	10.1	5.03	
	230	5	8.3	6.10	
	187	6	6.8	7.49	
	156	7	7.1	8.99	
	138	8	6.3	10.16	
	116	9	5.3	12.07	
	105	11	6.7	13.40	
	92	12	5.9	15.14	
	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	

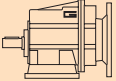
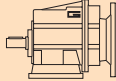


电机 Motors	TS	
	5624	6314
IEC	56 B5 / B14	63 B5 / B14



技术参数

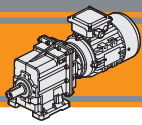
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
0.12						0.18					
TS6314 (1400 min ⁻¹)	22	49	4.1	64.01	CMG023	TS6324 (1400 min ⁻¹)	279	6	6.8	5.03	CMG002
	18	58	3.4	76.02			230	7	5.6	6.10	
	16	69	2.9	90.29			187	9	4.5	7.49	
	12	88	2.3	114.46			156	11	4.7	8.99	
	10	105	1.9	135.95			138	12	4.2	10.16	
	8.0	135	1.5	175.89			116	14	3.5	12.07	
	6.8	157	1.3	204.69	105		16	4.4	13.40		
	5.3	204	1.0	264.84	92		18	3.9	15.14		
	4.5	237	0.8	307.80	77		21	3.3	18.17		
					CMG033		65	25	2.8	21.58	
	19	56	5.4	72.83			60	28	2.5	23.51	
	14	75	4.0	97.45			56	30	2.4	25.10	
	12	89	3.4	115.74			52	32	2.2	27.08	
	10	108	2.8	140.81			43	38	1.8	32.49	
	8.0	134	2.2	174.26			33	50	1.4	42.04	
	6.2	173	1.7	225.47	31		53	1.3	44.89		
	5.3	202	1.5	262.05	29		58	1.2	48.86		
	4.3	251	1.2	325.79	25		65	1.1	55.10		
3.7	291	1.0	378.64		78	21	5.7	17.86	CMG012		
3.3	329	0.9	427.03		73	22	5.3	19.07			
19	56	8.9	72.83	CMG043	71	23	5.1	19.83			
14	75	6.7	97.45		59	28	4.3	23.56			
12	89	5.6	115.74		47	35	3.4	29.56			
10	108	4.6	140.81		39	42	2.9	35.47			
8.0	134	3.7	174.26		31	54	2.2	45.89			
6.2	173	2.9	225.47		29	58	2.1	49.00			
5.3	202	2.5	262.05	26	63	1.9	53.33				
4.3	251	2.0	325.79	23	71	1.7	60.15				
3.7	291	1.7	378.64		22	73	1.6	63.22	CMG013		
3.3	329	1.5	427.03		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			

CMG

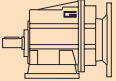
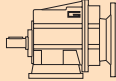



电机 Motors	TS
	6314 6324
IEC	63 B5 / B14



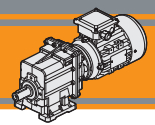
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.18						0.25							
TS6324 (1400 min ⁻¹)	19	84	3.6	72.83	CMG033	TS6334 TS7114 (1400 min ⁻¹)	71	32	3.7	19.83	CMG012		
	14	112	2.7	97.45			59	39	3.1	23.56			
	12	134	2.2	115.74			47	48	2.5	29.56			
	10	163	1.8	140.81			39	58	2.1	35.47			
	8.0	201	1.5	174.26			31	75	1.6	45.89			
	6.2	260	1.2	225.47			29	80	1.5	49.00			
	5.3	302	1.0	262.05			26	87	1.4	53.33			
	19	84	5.9	72.83	CMG043		23	98	1.2	60.15	CMG013		
	14	112	4.4	97.45			22	101	1.2	63.22			
	12	134	3.7	115.74			19	120	1.0	75.08			
	10	163	3.1	140.81			16	143	0.8	89.17			
	8.0	201	2.5	174.26			70	33	6.1	20.08		CMG022	
	6.2	260	1.9	225.47			59	39	5.1	23.85			
	5.3	302	1.7	262.05			47	49	4.1	29.93			
4.3	376	1.3	325.79	39	59	3.4	35.91						
3.7	437	1.1	378.64	30	76	2.6	46.46	CMG023					
3.3	493	1.0	427.03	28	81	2.5	49.61						
				26	88	2.3	54.00						
0.25													
TS6334 TS7114 (1400 min ⁻¹)	279	8	4.9	5.03	CMG002	TS7114 	32	72	4.1	44.18	CMG032		
	230	10	4.0	6.10			27	84	3.6	51.30			
	187	12	3.3	7.49			23	100	3.0	60.80			
	156	15	3.4	8.99			CMG012	TS6334 TS7114 (1400 min ⁻¹)	19	117	2.6	72.83	CMG033
	138	17	3.0	10.16					14	156	1.9	97.45	
	116	20	2.5	12.07					12	186	1.6	115.74	
	105	22	3.2	13.40					10	226	1.3	140.81	
	92	25	2.8	15.14					8.0	279	1.1	174.26	
	77	30	2.4	18.17					6.2	361	0.8	225.47	
	65	35	2.0	21.58					19	117	4.3	72.83	CMG043
	60	38	1.8	23.51					14	156	3.2	97.45	
	56	41	1.7	25.10					12	186	2.7	115.74	
	52	44	1.6	27.08					10	226	2.2	140.81	
	43	53	1.3	32.49					8.0	279	1.8	174.26	
	33	69	1.0	42.04	6.2	361			1.4	225.47			
	31	73	1.0	44.89	5.3	420			1.2	262.05			
	29	80	0.9	48.86	4.3	522	1.0	325.79					
	25	90	0.8	55.10	3.7	607	0.8	378.64					

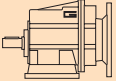
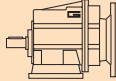



电机 Motors	TS	
	6324 6334	7114
IEC	63 B5 / B14	71 B5 / B14



技术参数

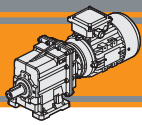
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.37						0.37								
TS7124 (1400 min ⁻¹)	279	12	3.3	5.03	CMG002	TS7124 (1400 min ⁻¹)	39	87	2.3	35.91	CMG022			
	230	15	2.7	6.10			30	113	1.8	46.46				
	187	18	2.2	7.49			28	120	1.7	49.61				
	156	22	2.3	8.99			26	131	1.5	54.00				
	138	25	2.0	10.16			23	148	1.4	60.90				
	116	29	1.7	12.07			CMG023	22	152	1.3		64.01		
	105	32	2.2	13.40				18	180	1.1		76.02		
	92	37	1.9	15.14				16	214	0.9		90.29		
	77	44	1.6	18.17				CMG032	TS7124  (1400 min ⁻¹)	66		51	4.7	21.15
	65	52	1.3	21.58						56		61	5.0	24.99
	60	57	1.2	23.51	46	74	4.0			30.57				
	56	61	1.2	25.10	41	83	3.6			34.20				
	52	66	1.1	27.08	36	94	3.2			38.63				
	43	79	0.9	32.49	32	107	2.8			44.18				
	CMG012	367	9	6.5	3.82	TS7124 (1400 min ⁻¹)	19			173	1.7	72.83	CMG033	
		302	11	5.3	4.63		14			231	1.3	97.45		
		246	14	4.4	5.69		12			275	1.1	115.74		
		181	19	4.3	7.72		10			334	0.9	140.81		
		153	22	3.6	9.17		CMG043	19	173	2.9	72.83			
		143	24	3.4	9.81			14	231	2.2	97.45			
122		28	3.6	11.50	12			275	1.8	115.74				
118		29	3.5	11.90	10			334	1.5	140.81				
101		33	3.6	13.80	8.0			413	1.2	174.26				
96		35	3.4	14.62	6.2		535	0.9	225.47					
78	43	2.8	17.86	CMG013	0.55									
73	46	2.6	19.07		TS7134	279	18	2.2	5.03	CMG002				
71	48	2.5	19.83		TS8014	230	22	1.8	6.10					
59	57	2.1	23.56		(1400 min ⁻¹)	187	27	1.5	7.49					
47	72	1.7	29.56		156	32	1.5	8.99						
39	86	1.4	35.47		138	37	1.4	10.16						
31	111	1.1	45.89		116	43	1.2	12.07						
29	119	1.0	49.00		105	48	1.5	13.40						
26	129	0.9	53.33		92	55	1.3	15.14						
23	146	0.8	60.15		77	65	1.1	18.17						
22	150	0.8	63.22	65	78	0.9	21.58							
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											

CMG

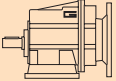
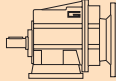




电机 Motors	TS		
	7124 7134	8014	
IEC	71 B5 / B14	80 B5 / B14	



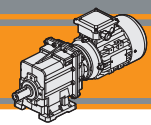
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i				
0.55						0.55								
TS7134	367	14	4.4	3.82	CMG012	TS7134	19	257	1.2	72.83	CMG033			
TS8014	302	17	3.6	4.63		TS8014	14	344	0.9	97.45				
(1400 min ⁻¹)	246	20	2.9	5.69		TS7134	23	219	2.2	60.80	CMG042			
	181	28	2.9	7.72										
	153	33	2.4	9.17		TS8014								
	143	35	2.3	9.81		(1400 min ⁻¹)								
	122	41	2.4	11.50										
	118	43	2.3	11.90		TS7134	19	257	1.9	72.83	CMG043			
	101	50	2.4	13.80		TS8014	14	344	1.5	97.45				
	96	53	2.3	14.62		(1400 min ⁻¹)	12	408	1.2	115.74				
	78	64	1.9	17.86		10	497	1.0	140.81					
	73	69	1.7	19.07		10	497	1.0	140.81					
	71	71	1.7	19.83		8.0	615	0.8	174.26					
	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		TS8014 (1400 min ⁻¹)			CMG032	0.75								
			111	45		5.5	12.60	TS7144	279	25	1.6	5.03	CMG002	
			105	48		5.2	13.30	TS8024	230	30	1.3	6.10		
			92	55		5.1	15.30	(1400 min ⁻¹)	187	37	1.1	7.49		
			77	66		3.7	18.21	156	44	1.1	8.99			
			73	69		4.0	19.24	138	50	1.0	10.16			
			66	76		3.2	21.15	116	59	0.8	12.07			
			56	90		3.3	24.99	105	66	1.1	13.40			
			46	110		2.7	30.57	92	74	0.9	15.14			
			41	123		2.4	34.20							
			36	139		2.2	38.63	367	19	3.2	3.82	CMG012		
			32	159		1.9	44.18	302	23	2.6	4.63			
			27	185		1.6	51.30	246	28	2.1	5.69			
			23	219		1.4	60.80	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						

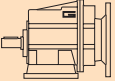


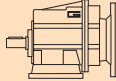
电机 Motors	TS	
		7134 7144
IEC	71 B5 / B14	80 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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0.75

TS7144	383	18	5.6	3.66	CMG022
TS8024	316	22	4.6	4.43	
(1400 min ⁻¹)	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	


0.75

TS7144	19	350	1.4	72.83	CMG043
TS8024	14	469	1.1	97.45	
(1400 min ⁻¹)	12	557	0.9	115.74	

1.1

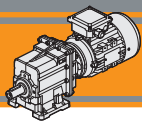
TS8034	367	28	2.2	3.82	CMG012
TS90S4	302	33	1.8	4.63	
(1400 min ⁻¹)	246	41	1.5	5.69	
	181	56	1.4	7.72	
	153	66	1.2	9.17	
	143	71	1.1	9.81	
	122	83	1.2	11.50	
	118	86	1.2	11.90	
	101	99	1.2	13.80	
	96	105	1.1	14.62	
	78	129	0.9	17.86	
	71	143	0.8	19.83	
	383	26	3.8	3.66	CMG022
	316	32	3.1	4.43	
	257	39	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	

CMG

TS7144	374	18	8.2	3.74	CMG032
	311	22	6.8	4.50	
TS8024	255	27	5.6	5.48	
(1400 min ⁻¹)	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	

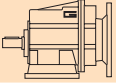
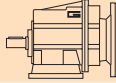


电机 Motors	TS		
	7144	8024 8034	90S4
IEC	71 B5 / B14	80 B5 / B14	90 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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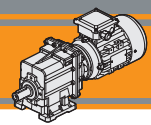
1.1					
TS8034	374	27	5.6	3.74	CMG032
TS90S4	311	32	4.6	4.50	
(1400 min ⁻¹)	255	39	3.8	5.48	
	222	45	4.0	6.31	
	177	57	3.2	7.93	
	154	65	2.8	9.08	
	128	79	2.3	10.93	
	111	91	2.8	12.60	
	105	96	2.6	13.30	
	92	110	2.5	15.30	
	77	131	1.8	18.21	
	73	139	2.0	19.24	
	66	152	1.6	21.15	
	56	180	1.7	24.99	
	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					
TS90L14	95	145	1.4	14.81	CMG022
(1400 min ⁻¹)	70	197	1.0	20.08	
	59	234	0.9	23.85	
	374	37	4.1	3.74	CMG032
	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	

1.5					
TS90L14	367	38	1.6	3.82	CMG012
(1400 min ⁻¹)	302	45	1.3	4.63	
	246	56	1.1	5.69	
	181	76	1.1	7.72	
	153	90	0.9	9.17	
	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	



电机 Motors	TS	
	8034	90S4 90L14
IEC	80 B5 / B14	90 B5 / B14



技术参数

Technical data

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

2.2

TS90L24	374	54	2.8	3.74	CMG032	
TS100L14	311	65	2.3	4.50		
(1400 min ⁻¹)	255	79	1.9	5.48		
	222	91	2.0	6.31		
	177	114	1.6	7.93		
	154	131	1.4	9.08		
	128	157	1.1	10.93		
	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

TS100L24	374	74	3.1	3.74	CMG042
(1400 min ⁻¹)	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

TS112M4	374	98	1.5	3.74	CMG032	
(1400 min ⁻¹)	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		

3

TS100L24	374	74	2.0	3.74	CMG032
(1400 min ⁻¹)	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	



电机 Motors	TS		
	90L24	100L14 100L24	112M4
IEC	90 B5 / B14	100 B5 / B14	112 B5 / B14

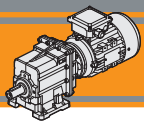
电机技术参数

请见电机专用页面:

Electrical technical data

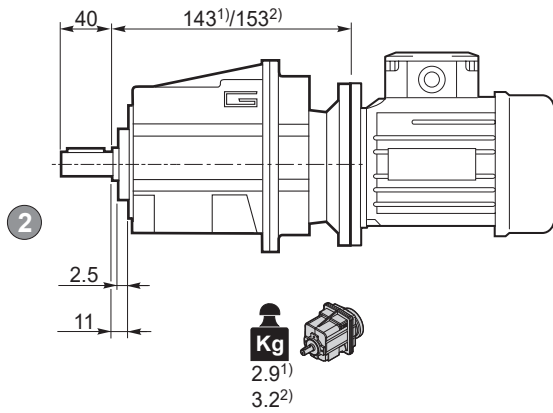
Please see the dedicated paragraph:



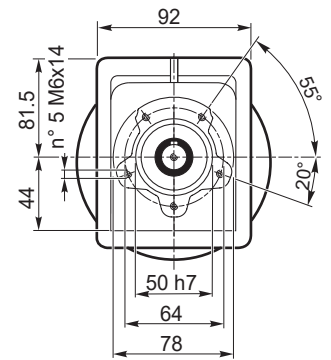
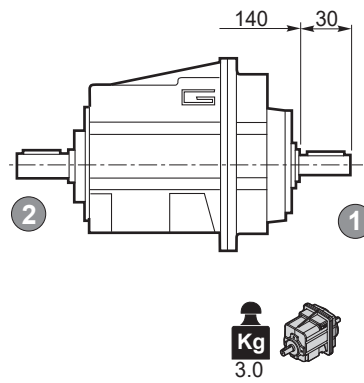


CMG 002 U

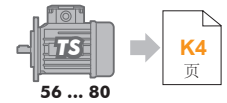
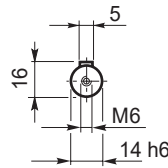
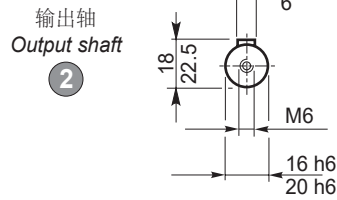
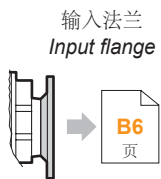
CMG 002 U

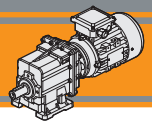


CMGIS 002 U



¹⁾IEC 56/63/71, ²⁾IEC 80





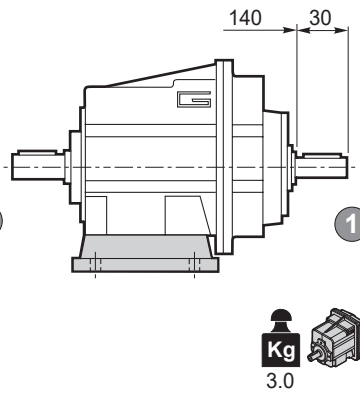
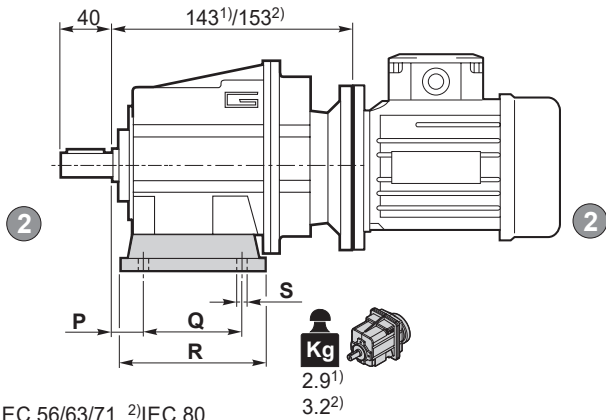
尺寸参数

Dimensions

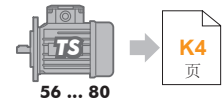
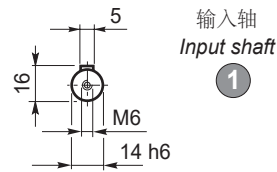
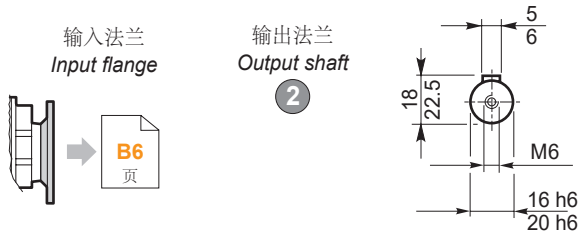
CMG 002 H..

CMG 002 H..

CMGIS 002 H..



¹⁾IEC 56/63/71, ²⁾IEC 80

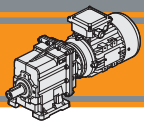


CMG

H型 / H Version

CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot	
									类型 / Type	重量 / 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

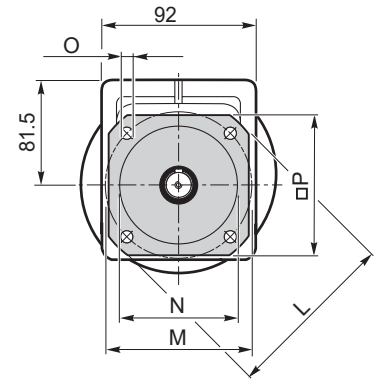
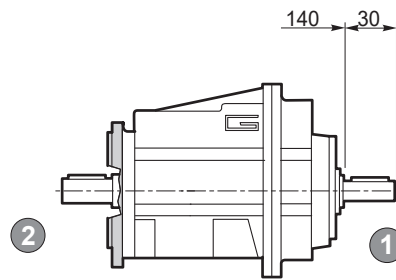
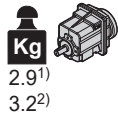
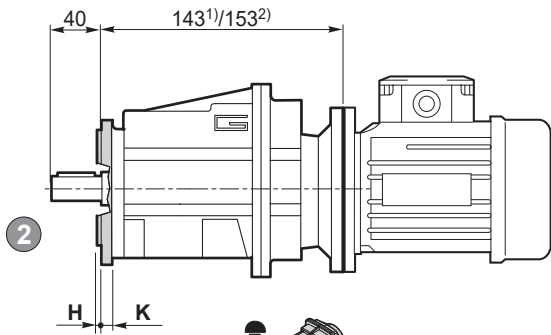
推荐 / Preferred



CMG 002 F..

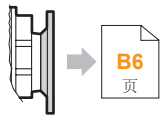
CMG 002 F..

CMGIS 002 F..

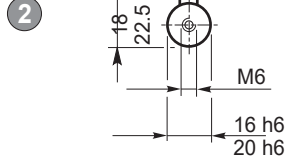


¹⁾IEC 56/63/71, ²⁾IEC 80

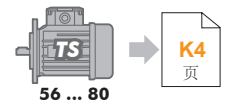
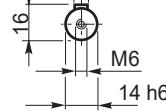
输入法兰
Input flange



输出轴
Output shaft

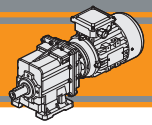


输入轴
Input shaft



F型 / F Version

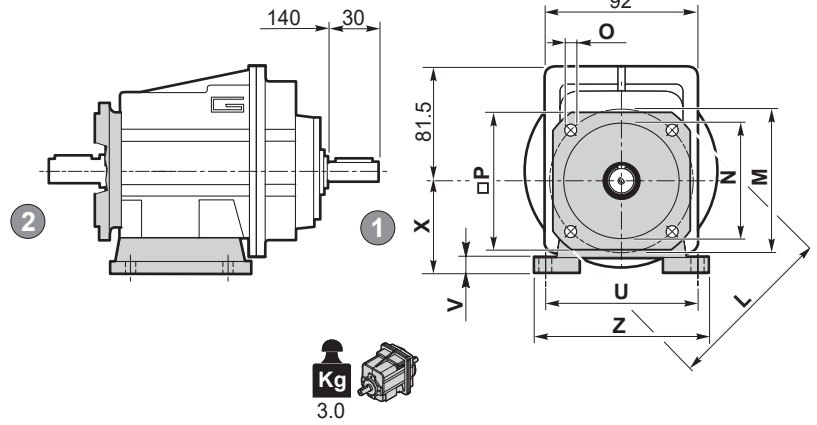
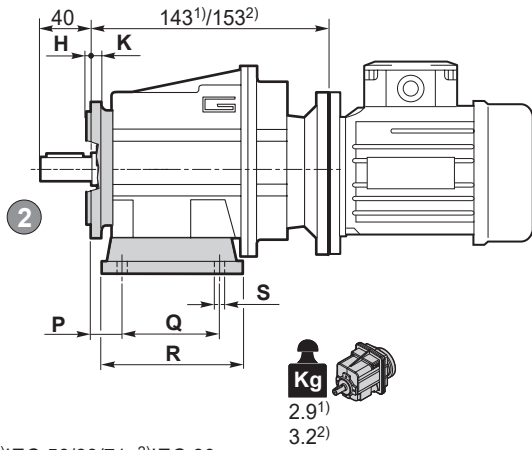
CMG CMGIS	H	K	L	M	N f7	O	P	法兰 / Flange	
								类型 / Type	重量 / Weight [kg]
002	3.5	7	105	85	70	6.5	90	F105	0.1
	3.5	8	120	100	80	9	100	F120	0.2
	3.5	8	140	115	95	9	115	F140	0.2



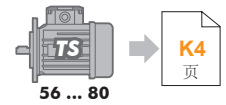
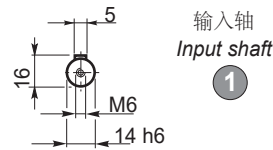
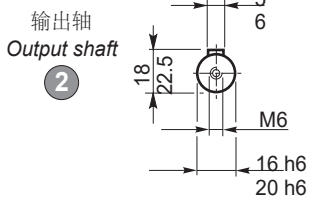
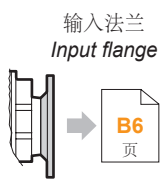
CMG 002 H../F..

CMG 002 H../F..

CMGIS 002 H../F..



¹⁾IEC 56/63/71, ²⁾IEC 80

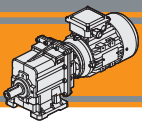


H型 / H Version									可装配 H/F Possible combinations H/F				
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot		F105	F120	F140
									类型 Type	重量 / Weight [kg]			
002	18	60	80	9	100	10	60	120	H60	0.2	•	•	•
	18	80	104	9	110 - 120	10	75	145	H75	0.3	•	•	•
	18	50 - 87	110	9	110	10	85	135	H85	0.4	•	•	•

推荐 / Preferred

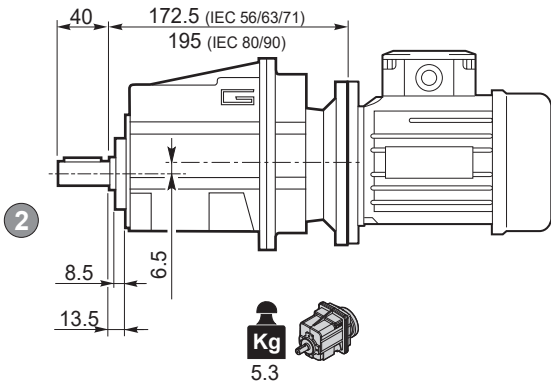
• 可装配 H/F / Possible combinations H/F

F型 / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	底座 / Flange	
								类型 / Type	重量 / 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

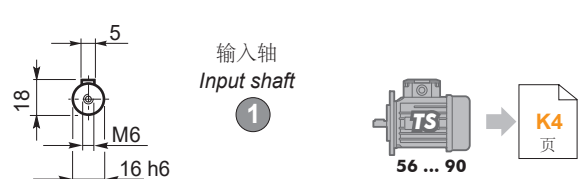
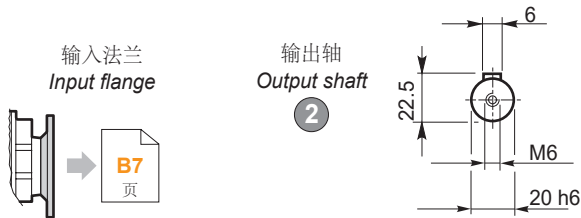
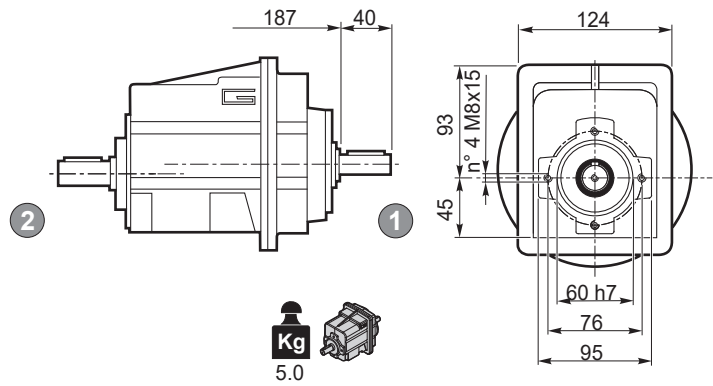


CMG 012 U - CMG 013 U

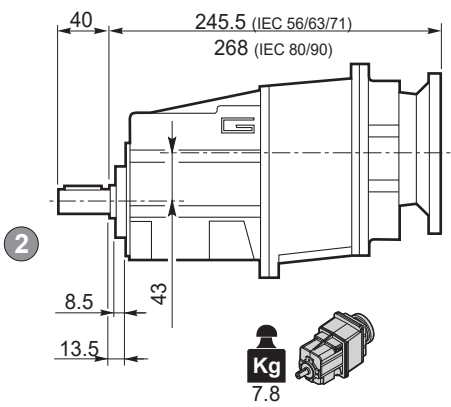
CMG 012 U



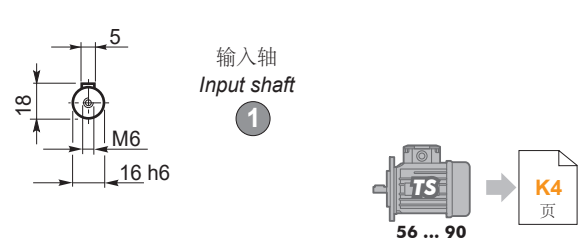
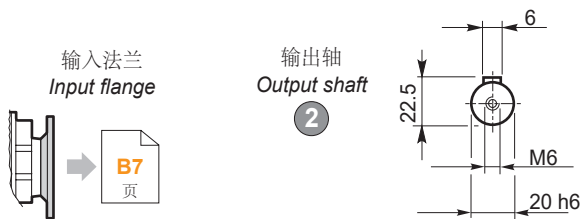
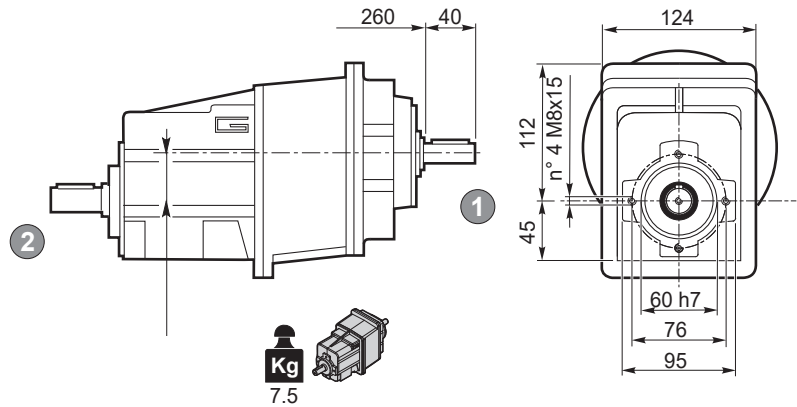
CMGIS 012 U

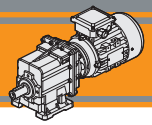


CMG 013 U



CMGIS 013 U



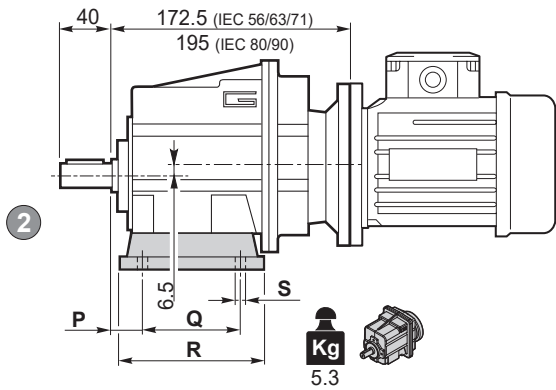


尺寸参数

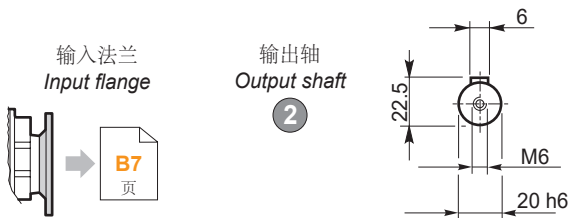
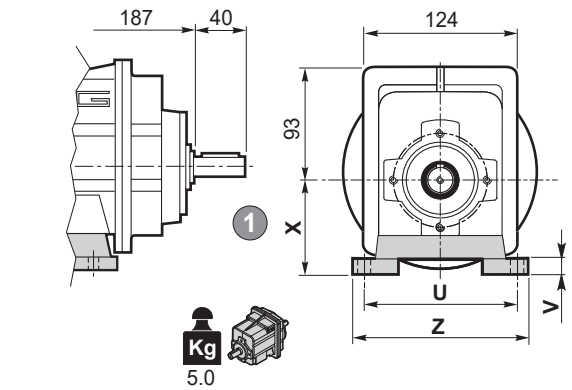
Dimensions

CMG 012 H.. - CMG 013 H..

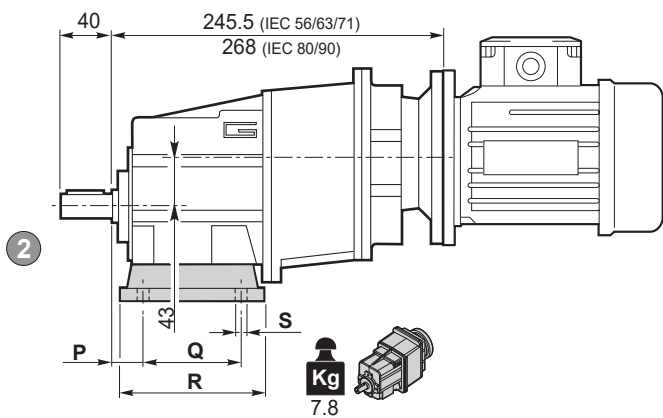
CMG 012 H..



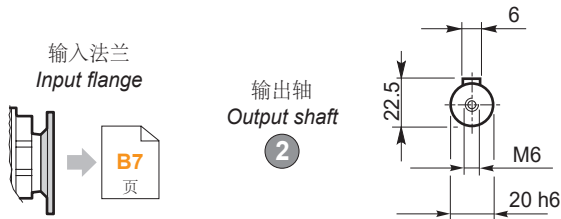
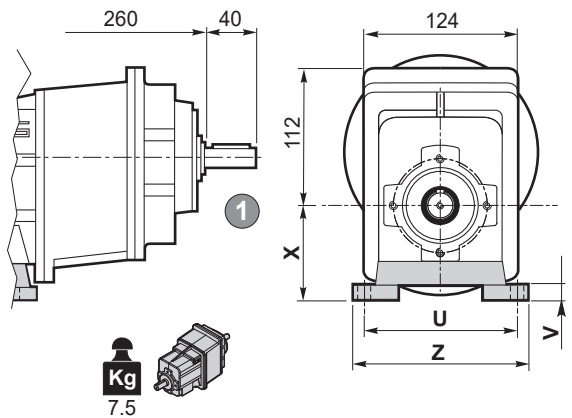
CMGIS 012 H..



CMG 013 H..

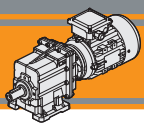


CMGIS 013 H..



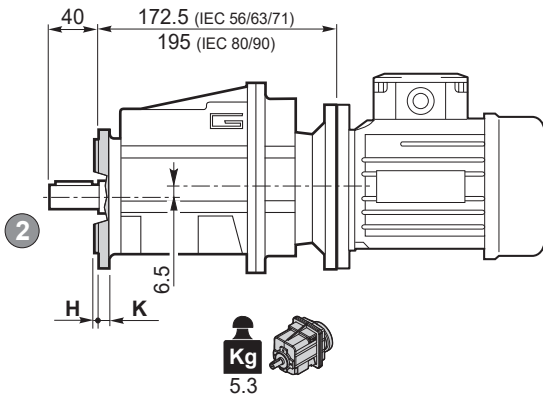
H 型 / H Version										
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot	
									类型 / Type	重量 / Weight [kg]
012 013	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5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

推荐 / Preferred

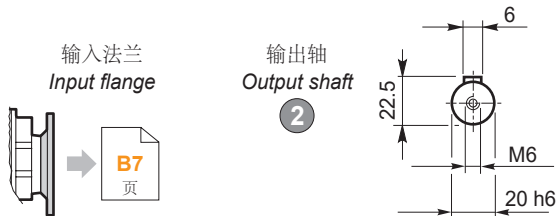
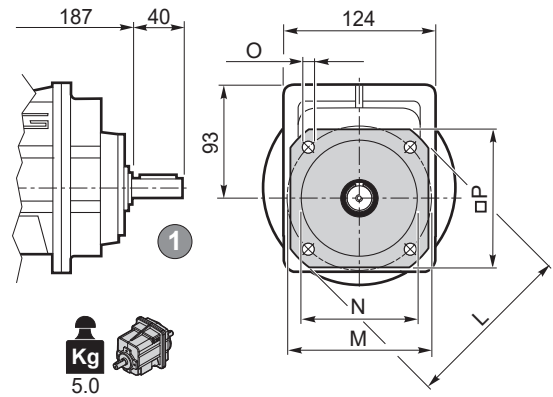


CMG 012 F.. - CMG 013 F..

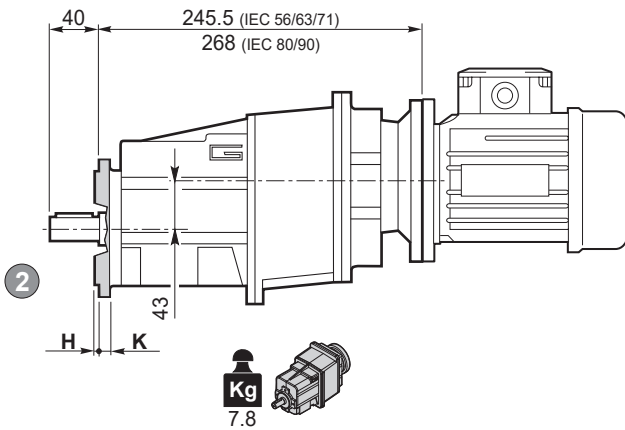
CMG 012 F..



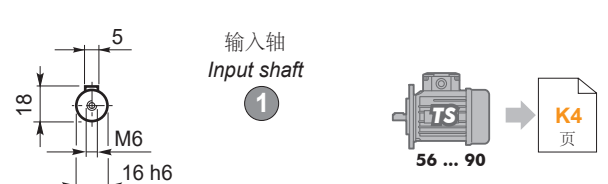
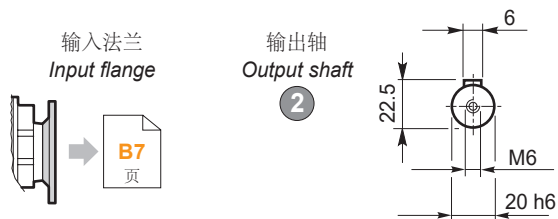
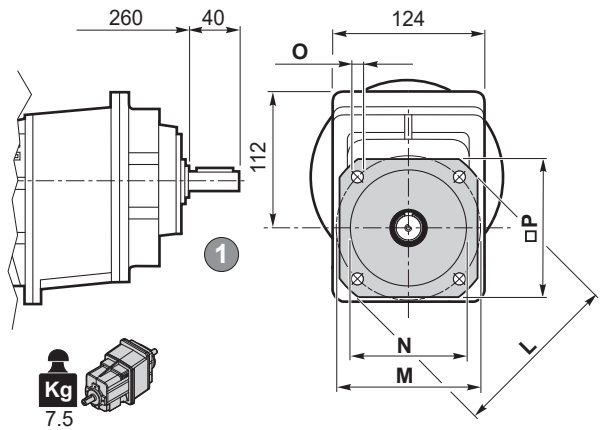
CMGIS 012 F..



CMG 013 F..

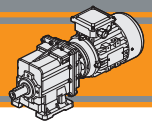


CMGIS 013 F..



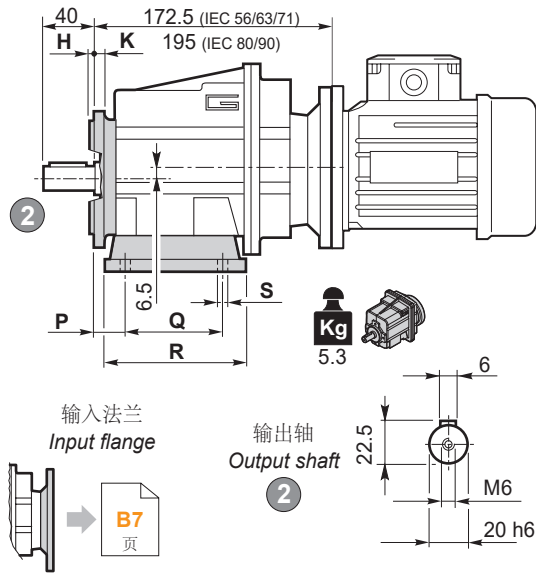
F 型 / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	法兰 / Flange	
								类型 / Type	重量 / 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

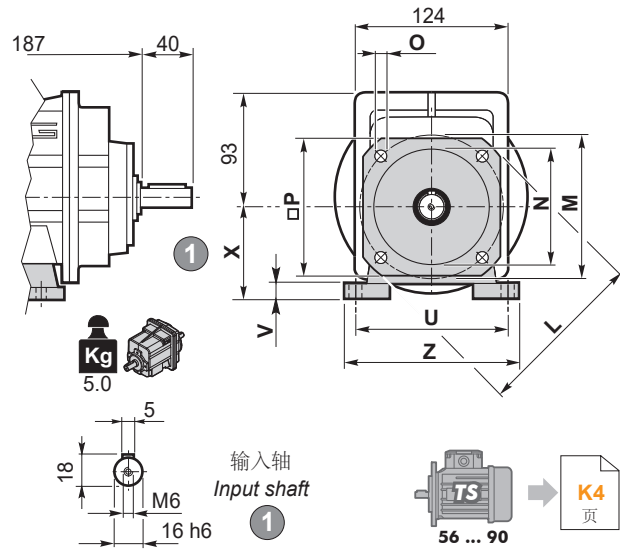


CMG 012 H../F.. - CMG 013 H../F..

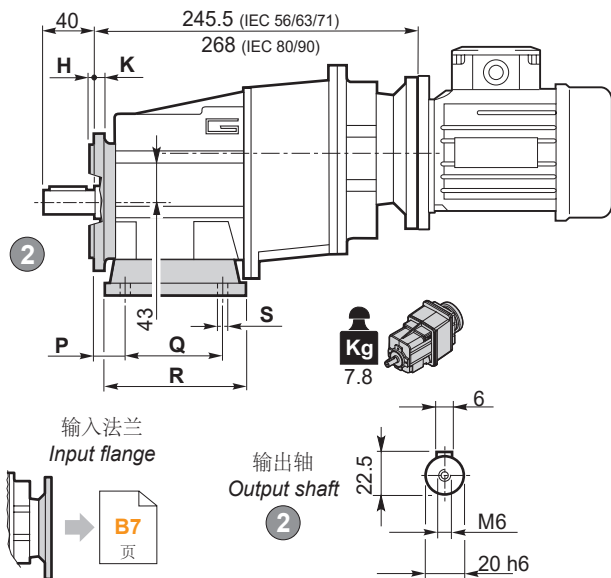
CMG 012 H../F..



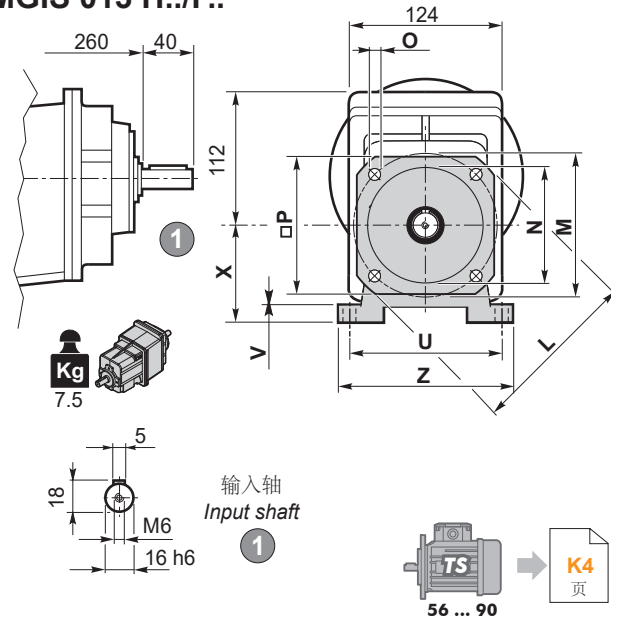
CMGIS 012 H../F..



CMG 013 H../F..



CMGIS 013 H../F..

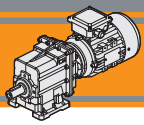


CMG CMGIS	H 型 / H Version									可装配 H/F Possible combinations H/F				
	P	Q	R	S	U	V	X	Z	底座 / Foot		F120	F140	F160	F200
									类型 Type	重量 / Weight [kg]				
012 013	20	85	108	9	115	12	65	139	H65	0.7	•	•	•	•
	18	80	118	9	110	12	75	140	H75	1.0	•	•	•	•
	25	85	120	9	120	12	80	140	H80	1.1	•	•	•	•
	18	50 - 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	•	•	•	•

推荐 / Preferred

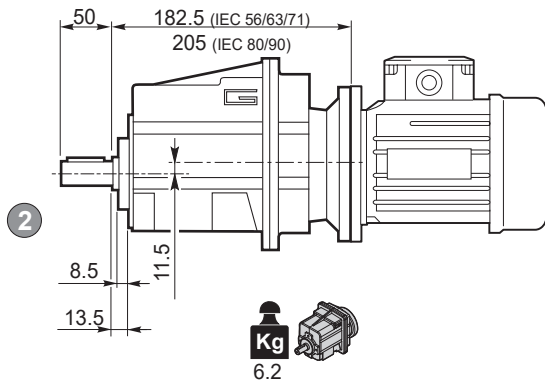
• 可装配 H/F / Possible combinations H/F

CMG CMGIS	F 型 / F Version								法兰 / Flange	
	H	K	L	M	N f7	O	P	类型 / Type		
								重量 / 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	

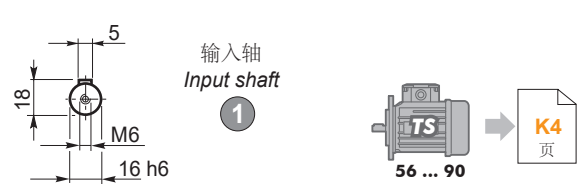
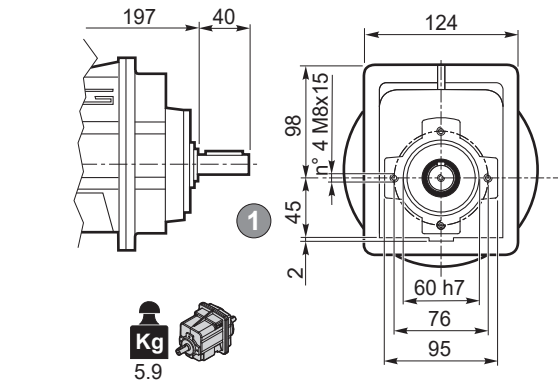


CMG 022 U - CMG 023 U

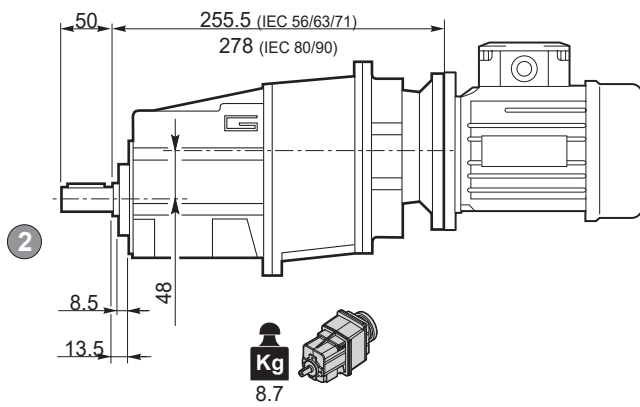
CMG 022 U



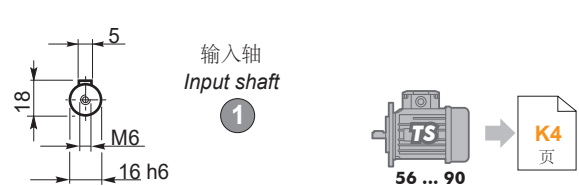
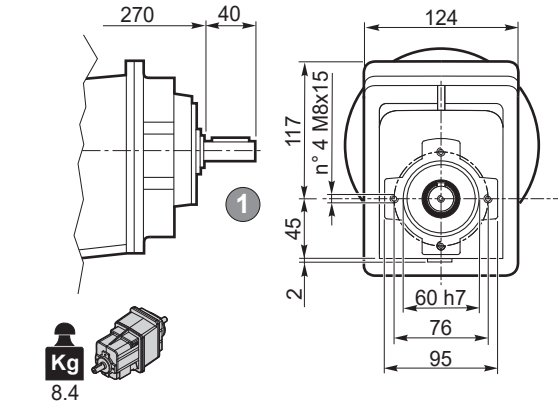
CMGIS 022 U

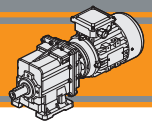


CMG 023 U



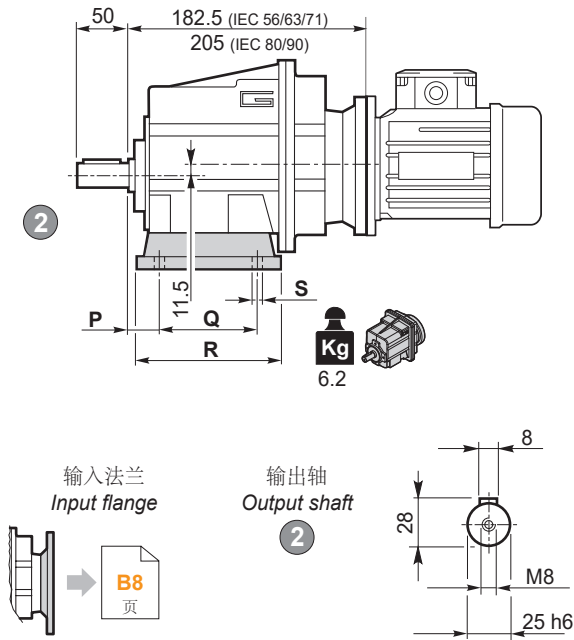
CMGIS 023 U



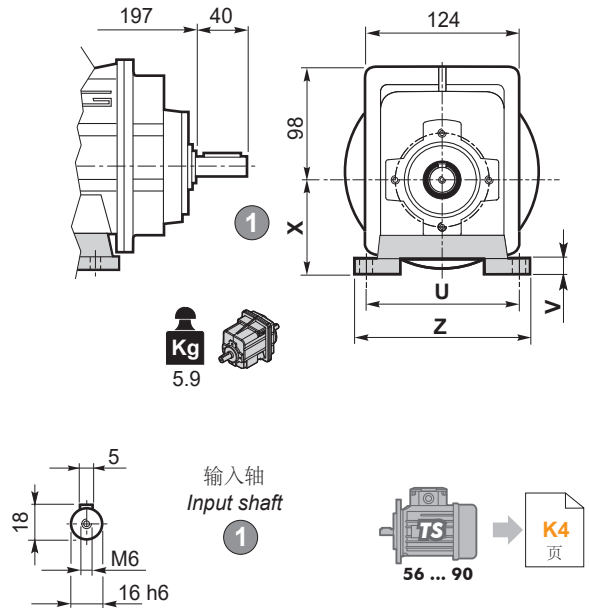


CMG 022 H.. - CMG 023 H..

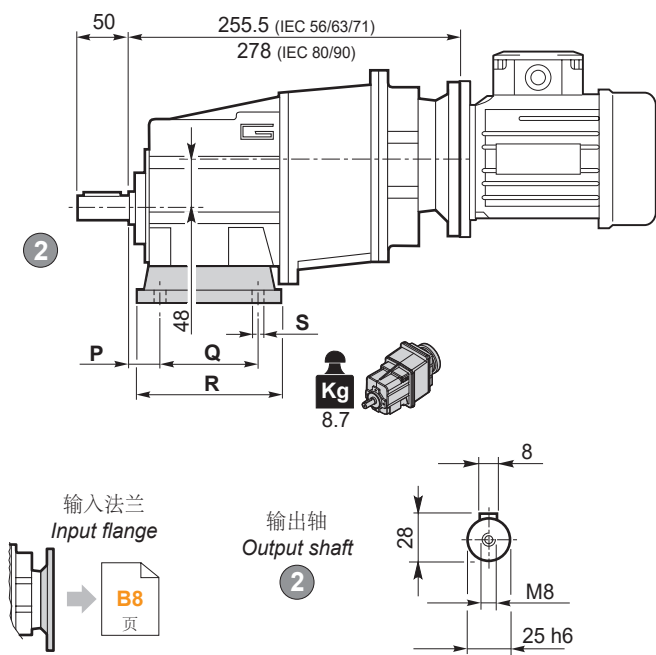
CMG 022 H..



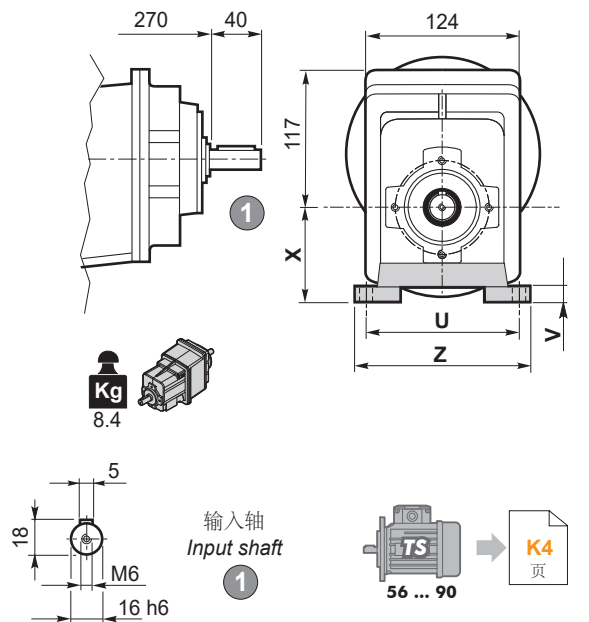
CMGIS 022 H..



CMG 023 H..



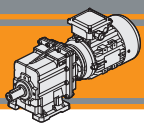
CMGIS 023 H..



H 型 / H Version

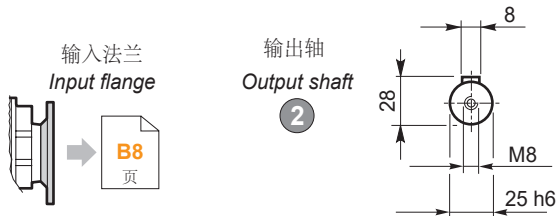
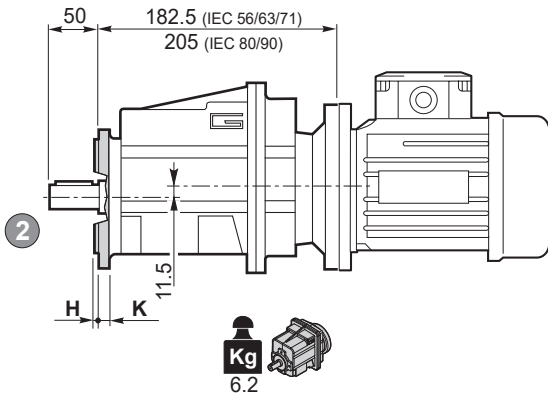
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot	
									类型 / Type	重量 / Weight [kg]
022 023	20	85	108	9	115	12	65	139	H65	0.7
	18	80	118	9	110	12	75	140	H75	1.0
	25	85	120	9	120	12	80	140	H80	1.1
	18	50 - 87	118	9	110	12	85	130	H85	1.2
	25	130	154	9	110	12	90	135	H90	1.5
	18	60 - 107.5	135	11	130	12	100	155	H100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

推荐 / Preferred

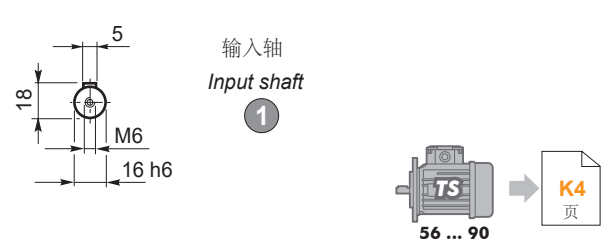
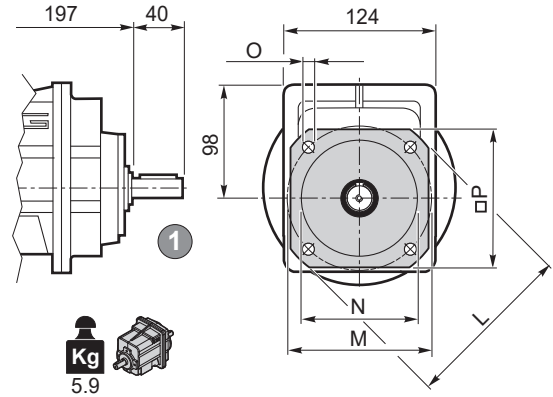


CMG 022 F.. - CMG 023 F..

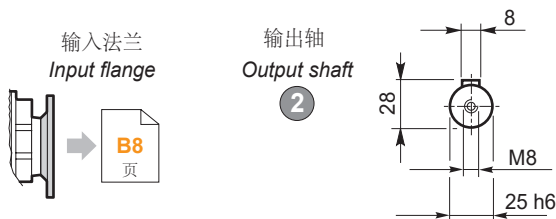
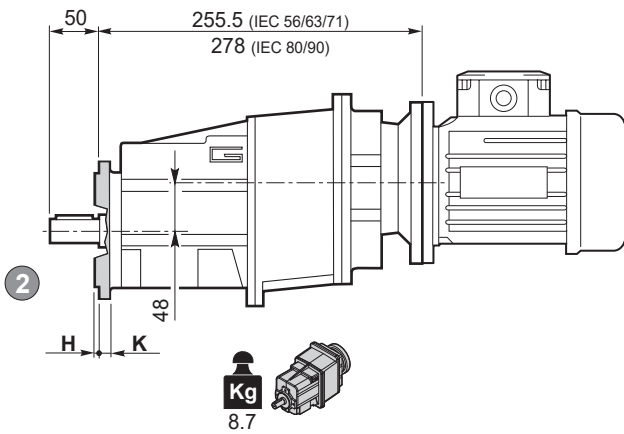
CMG 022 F..



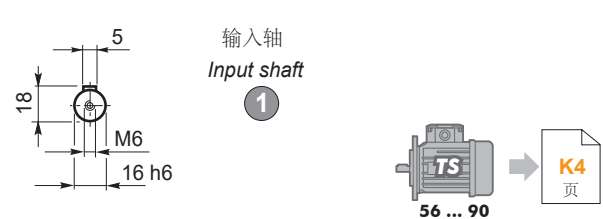
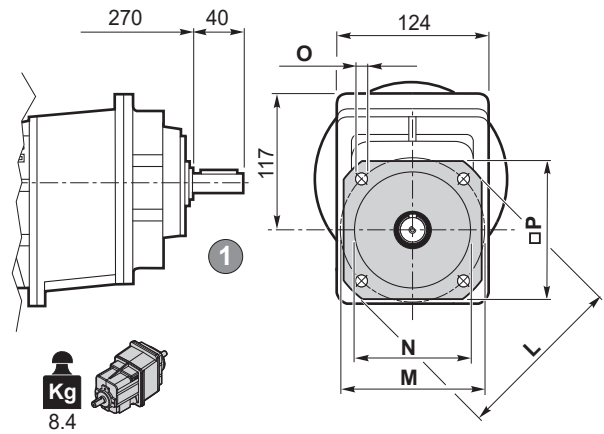
CMGIS 022 F..



CMG 023 F..

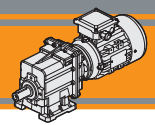


CMGIS 023 F..



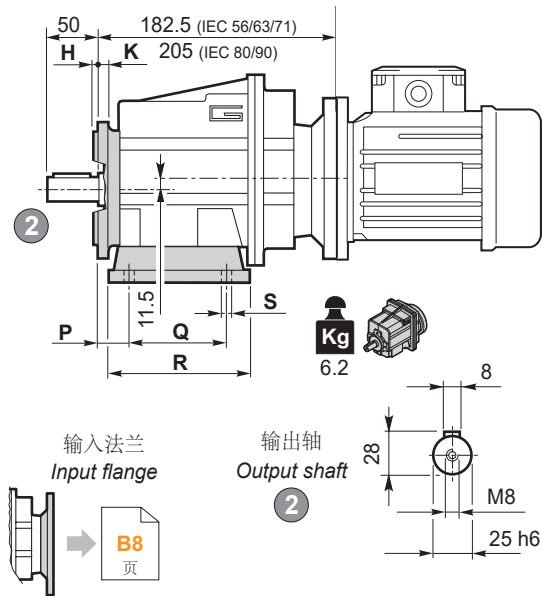
F 型 / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	底座 / Flange	
								类型 / Type	重量 / 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

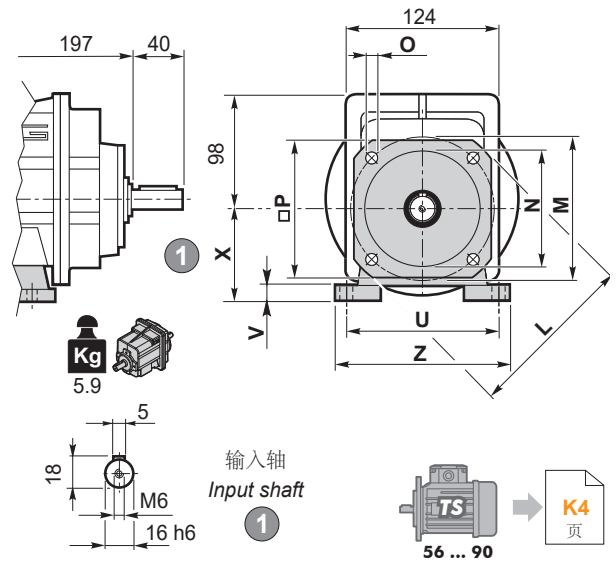


CMG 022 H../F.. - CMG 023 H../F..

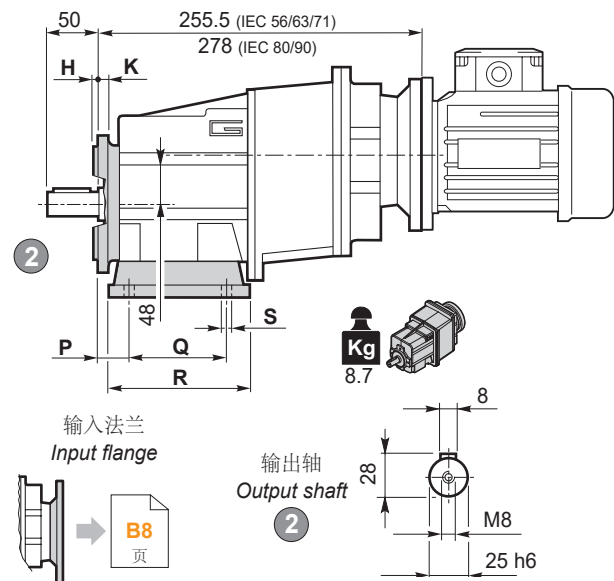
CMG 022 H../F..



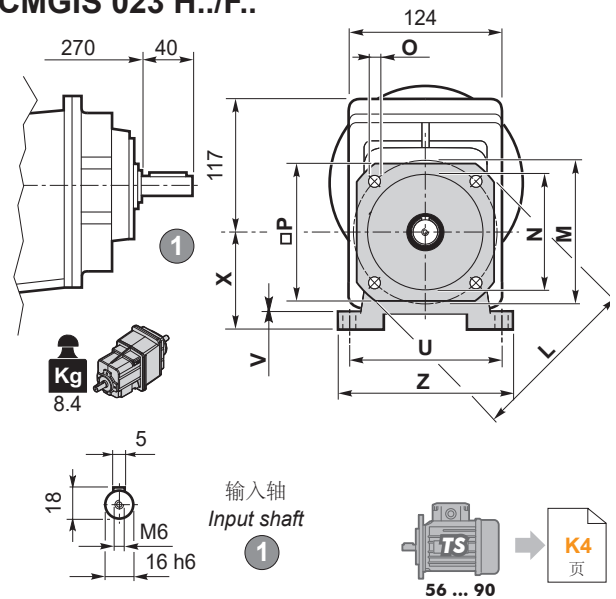
CMGIS 022 H../F..



CMG 023 H../F..



CMGIS 023 H../F..

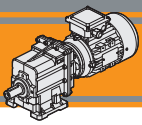


H 型 / H Version										可装配 H/F Possible combinations H/F				
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot		F120	F140	F160	F200
									类型 Type	重量 / Weight [kg]				
022 023	20	85	108	9	115	12	65	139	H65	0.7	•	•	•	•
	18	80	118	9	110	12	75	140	H75	1.0	•	•	•	•
	25	85	120	9	120	12	80	140	H80	1.1	•	•	•	•
	18	50 - 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	•	•	•	•

推荐 / Preferred

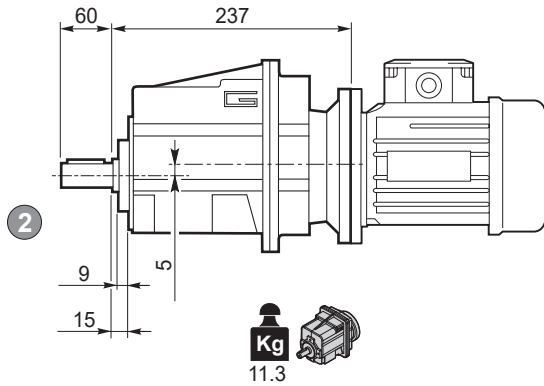
• 可装配 H/F / Possible combinations H/F

F 型 / F Version										法兰 / Flange	
CMG CMGIS	H	K	L	M	N f7	O	P	法兰 / Flange			
								类型 / Type	重量 / 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		

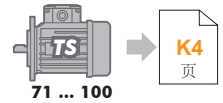
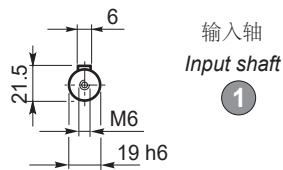
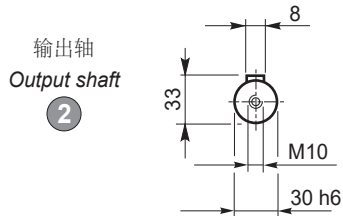
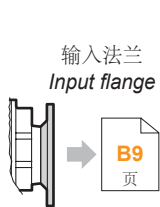
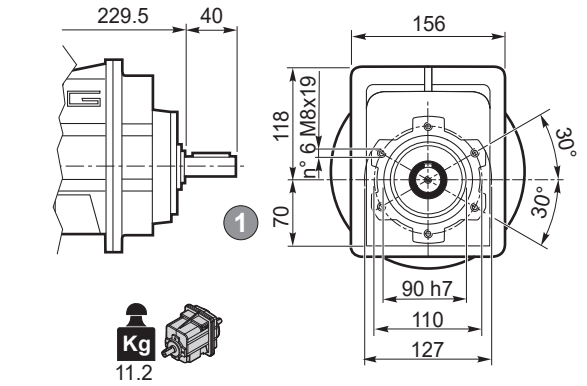


CMG 032 U - CMG 033 U

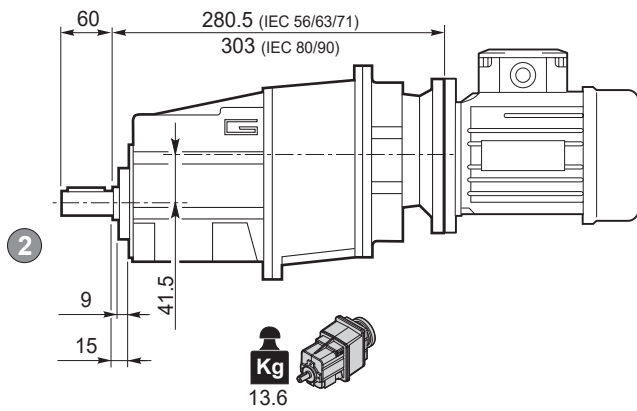
CMG 032 U



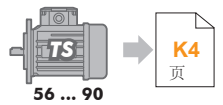
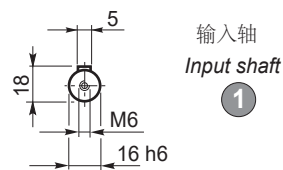
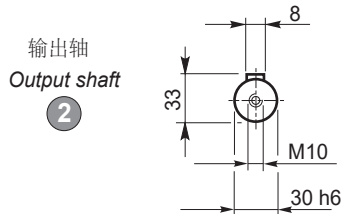
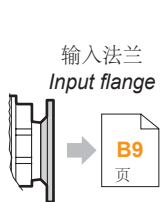
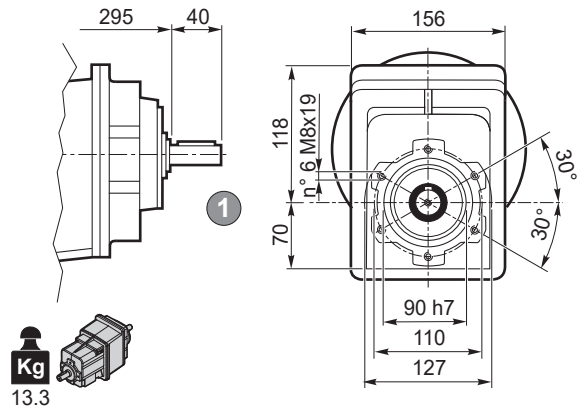
CMGIS 032 U

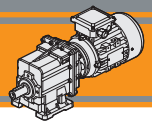


CMG 033 U



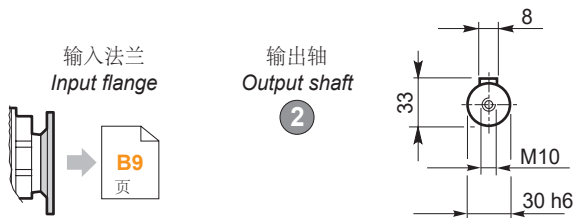
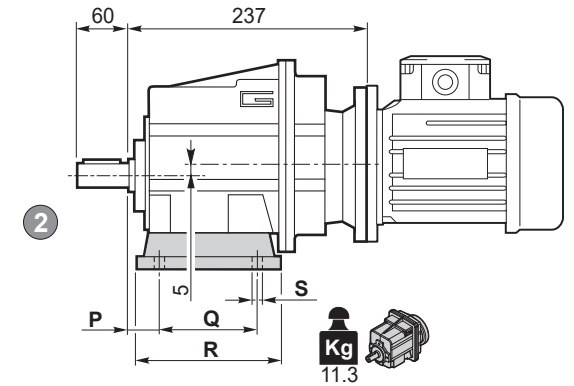
CMGIS 033 U



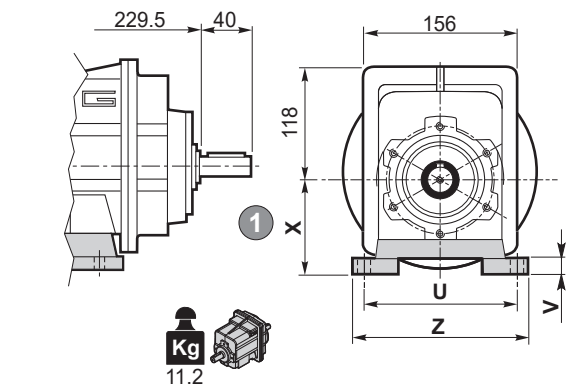


CMG 032 H.. - CMG 033 H..

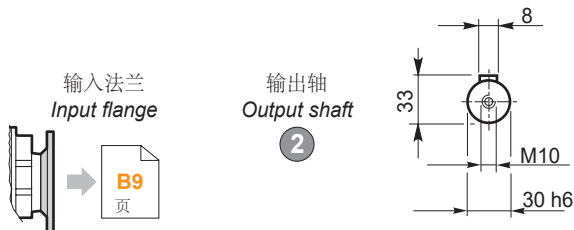
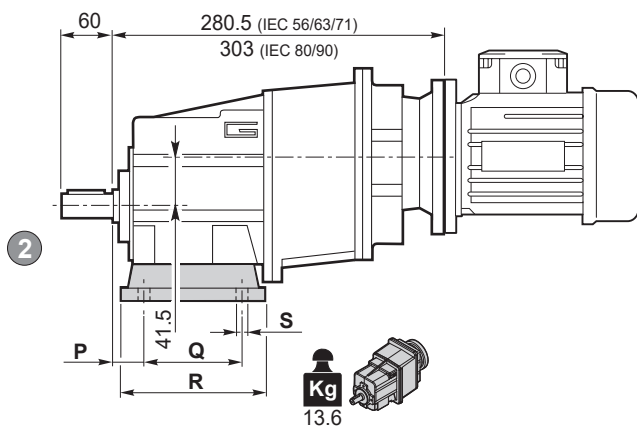
CMG 032 H..



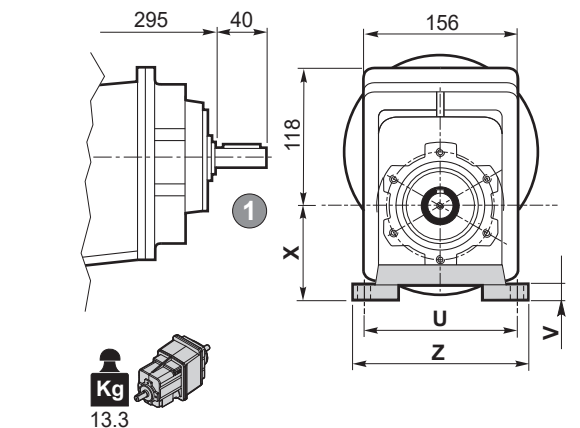
CMGIS 032 H..



CMG 033 H..



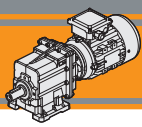
CMGIS 033 H..



H 型 / H Version

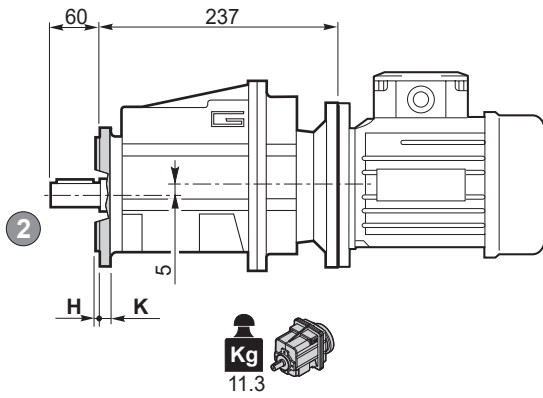
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot	
									类型 / Type	重量 / Weight [kg]
032 033	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70								
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
	19.5	149.5	184	14	180	18	130	214	H130	2.9

推荐 / Preferred

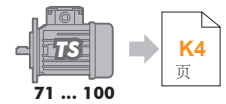
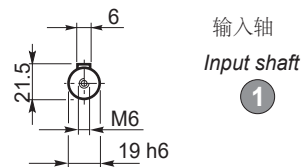
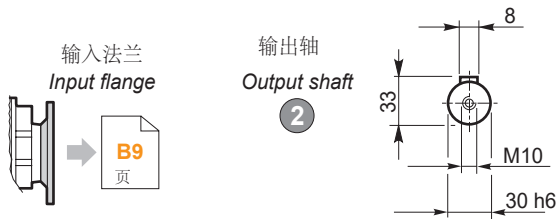
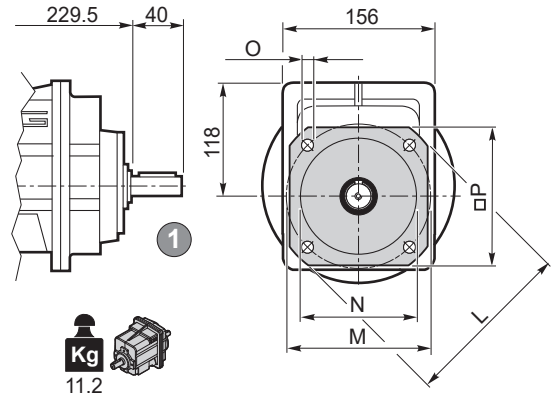


CMG 032 F.. - CMG 033 F..

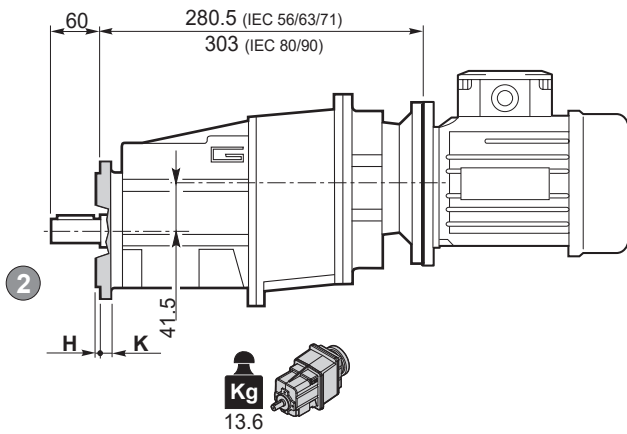
CMG 032 F..



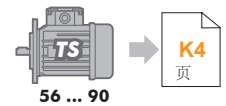
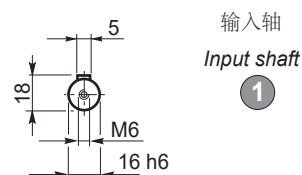
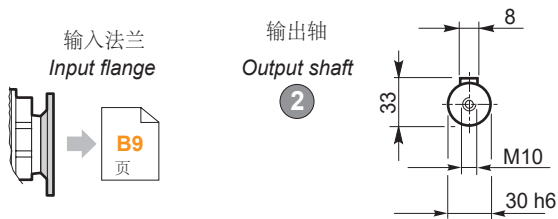
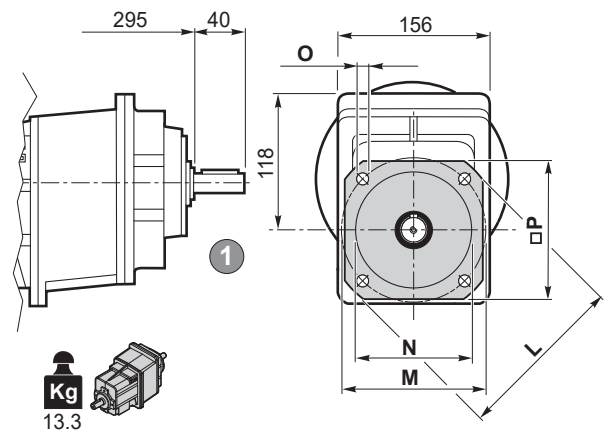
CMGIS 032 F..



CMG 033 F..

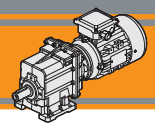


CMGIS 033 F..



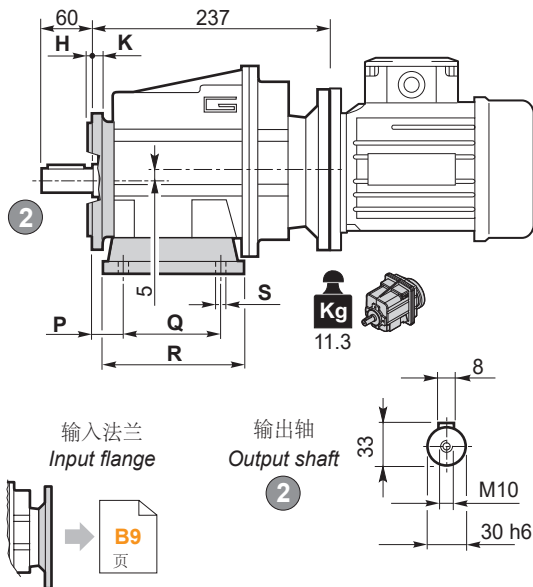
F 型 / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	法兰 / Flange	
								类型 / Type	重量 / 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

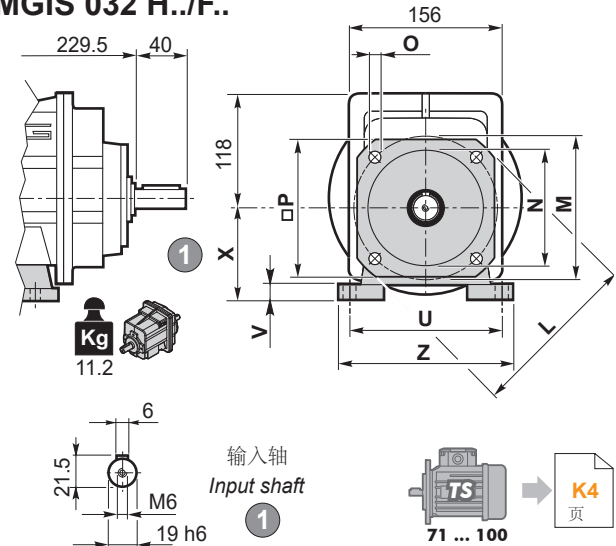


CMG 032 H../F.. - CMG 033 H../F..

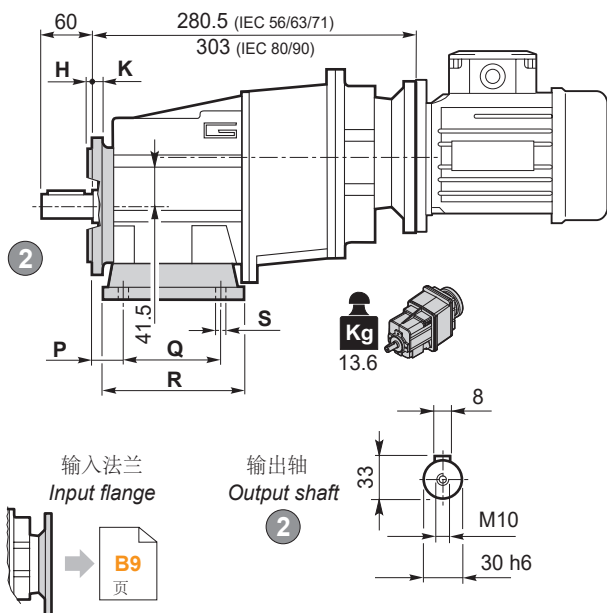
CMG 032 H../F..



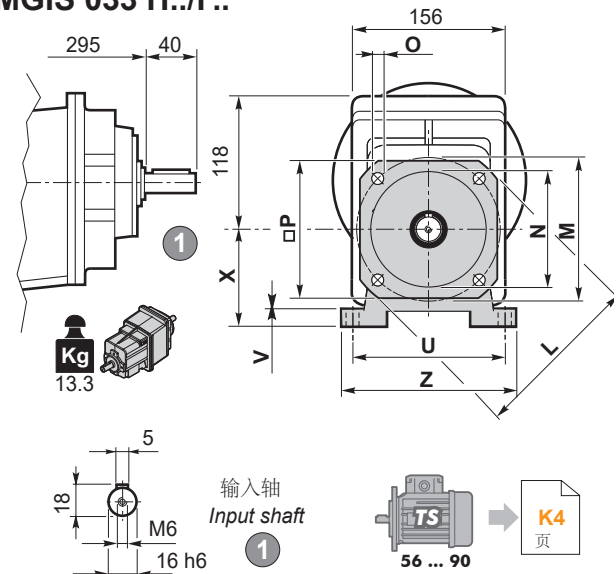
CMGIS 032 H../F..



CMG 033 H../F..



CMGIS 033 H../F..

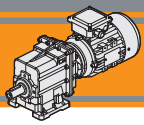


CMG CMGIS	H 型 / H Version									可装配 H/F Possible combinations H/F			
	P	Q	R	S	U	V	X	Z	底座 / Foot		F160	F200	F250
									类型 Type	重量 / Weight [kg]			
032 033	30	105	136	14	160	14	95	194	H95	1.5	•	•	
	30	100	150	11	150	14	110	185	H110	1.9	•	•	
	18	70			160								
	30	165	195	14	135	14	115	170	H115	2.2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

推荐 / Preferred

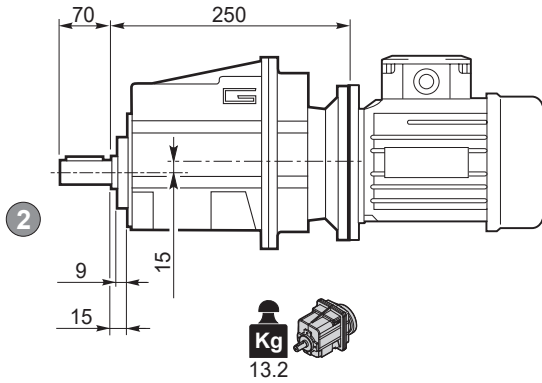
• 可装配 H/F / Possible combinations H/F

CMG CMGIS	F 型 / F Version								法兰 / Flange	
	H	K	L	M	N f7	O	P	法兰 / Flange		
								类型 / Type	重量 / 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	

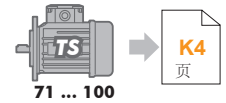
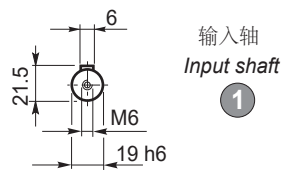
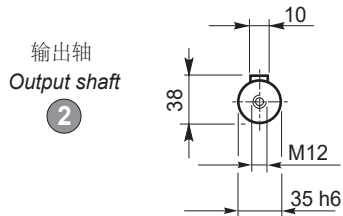
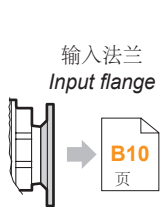
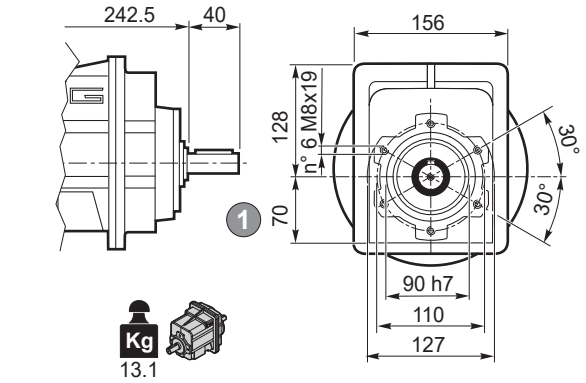


CMG 042 U - CMG 043 U

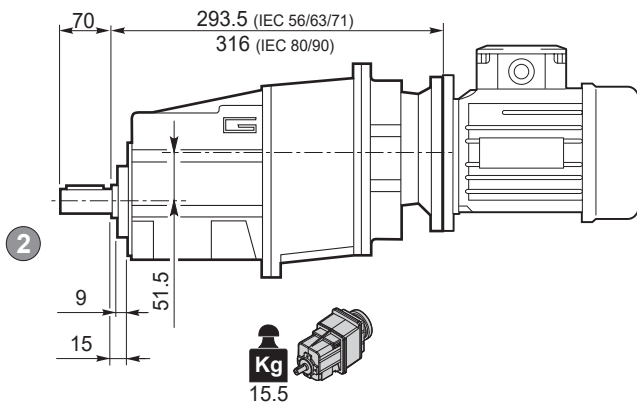
CMG 042 U



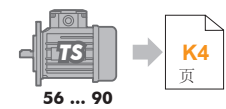
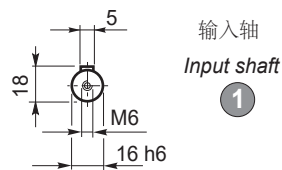
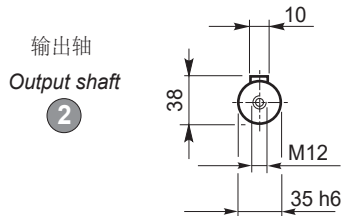
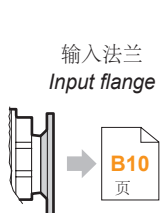
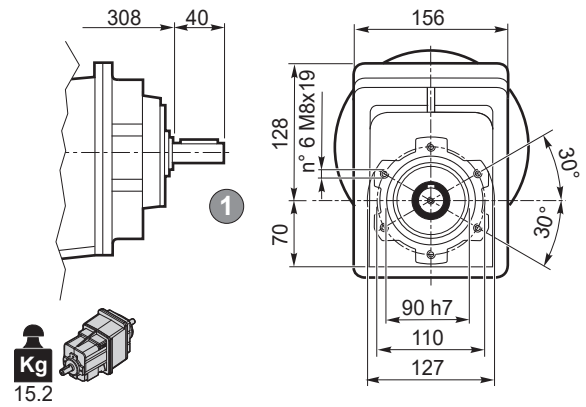
CMGIS 042 U

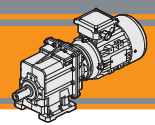


CMG 043 U



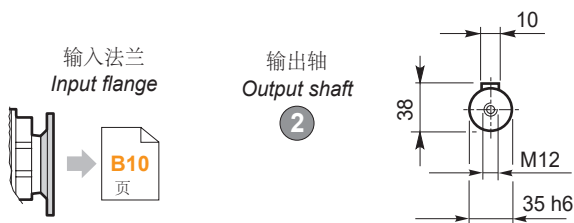
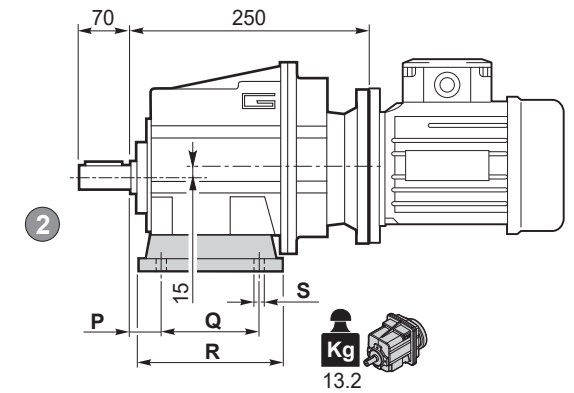
CMGIS 043 U



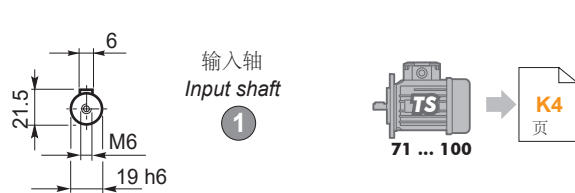
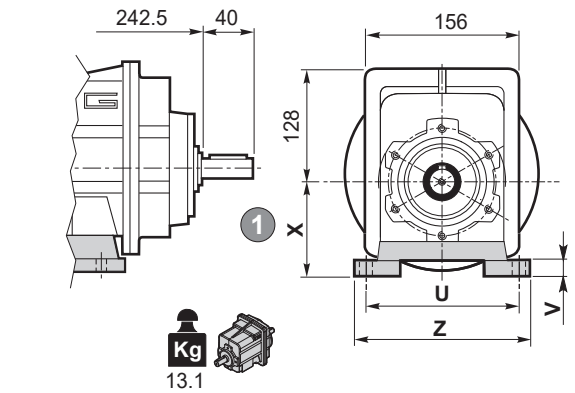


CMG 042 H.. - CMG 043 H..

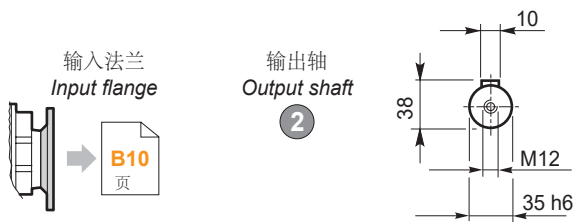
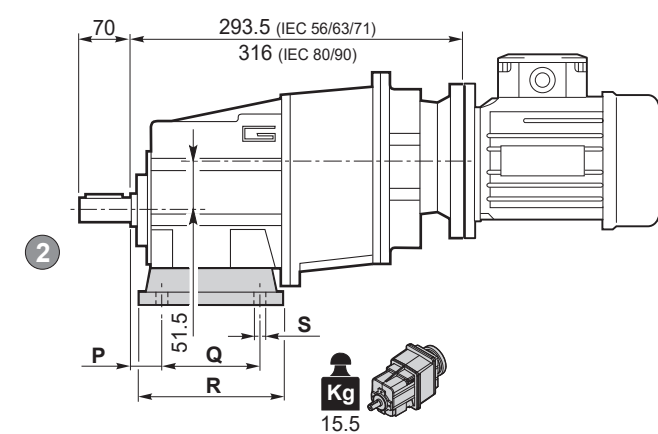
CMG 042 H..



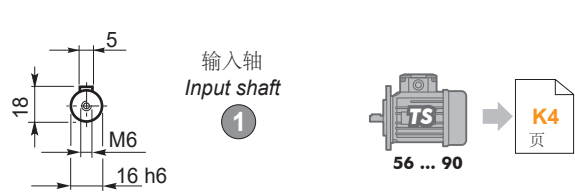
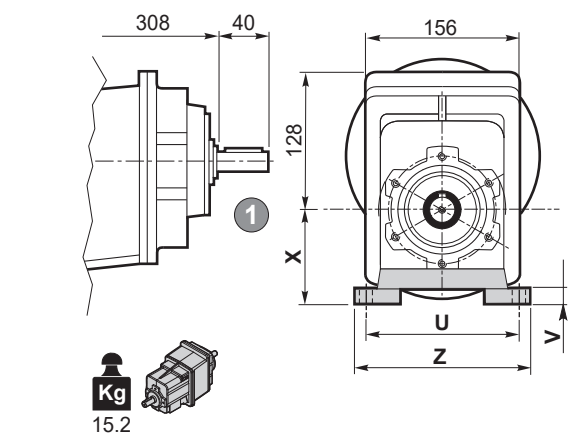
CMGIS 042 H..



CMG 043 H..



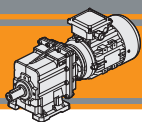
CMGIS 043 H..



H 型 / H Version

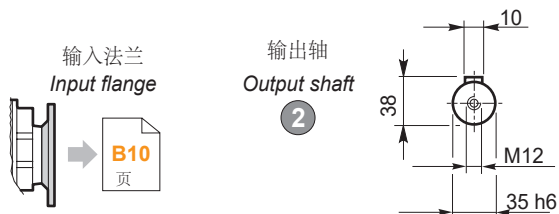
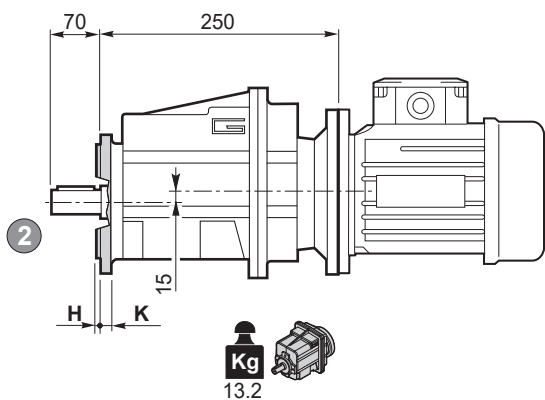
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot	
									类型 / Type	重量 / Weight [kg]
042 043	30	105	136	14	160	14	95	194	H95	1.5
	30	100	150	11	150	14	110	185	H110	1.9
	18	70			160					
	30	165	195	14	135	14	115	170	H115	2.2
	35	110	160	14	170	14	120	210	H120	2.6
	19.5	149.5	185.4	14	180	18	130	216	H130	2.9

推荐 / Preferred

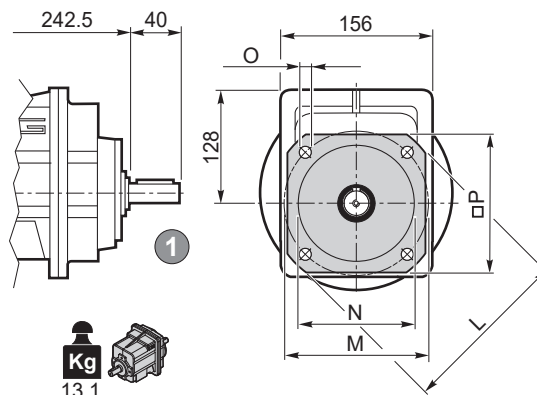


CMG 042 F.. - CMG 043 F..

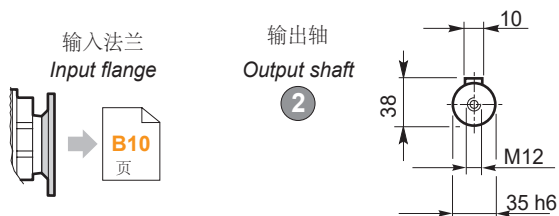
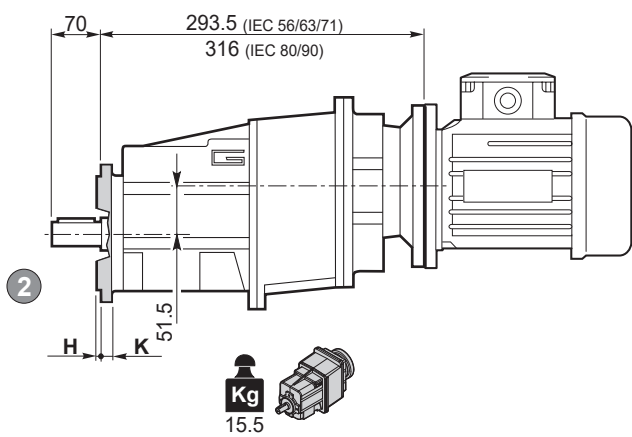
CMG 042 F..



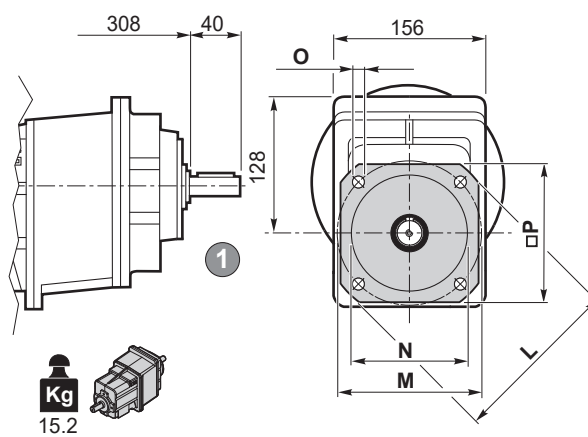
CMGIS 042 F..



CMG 043 F..

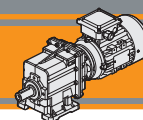


CMGIS 043 F..



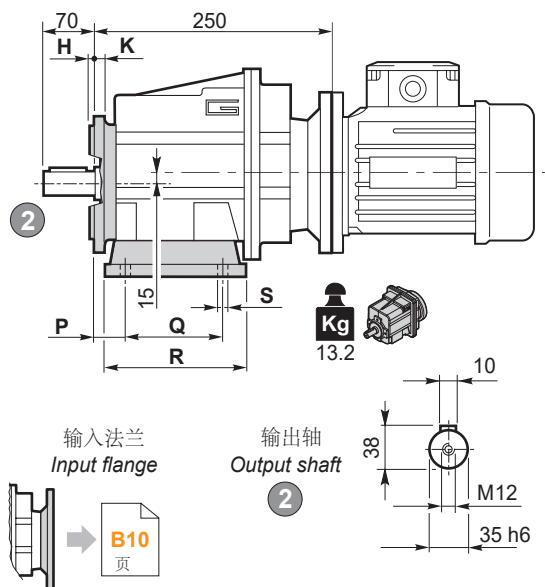
F型 / F Version

CMG CMGIS	H	K	L	M	N f7	O	P	底座 / Flange	
								类型 / Type	重量 / 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

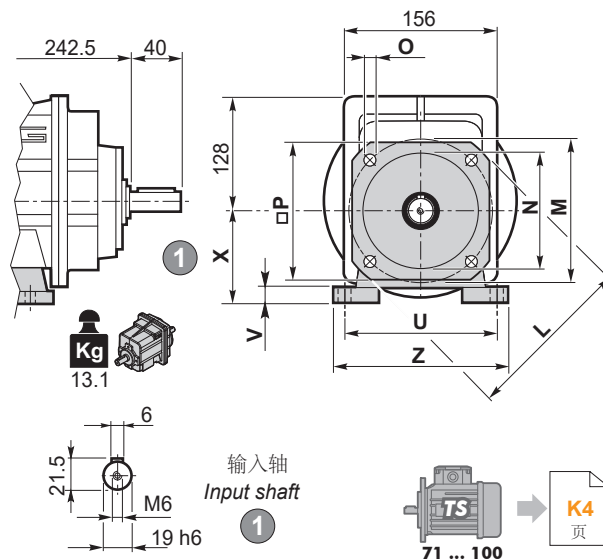


CMG 042 H../F.. - CMG 043 H../F..

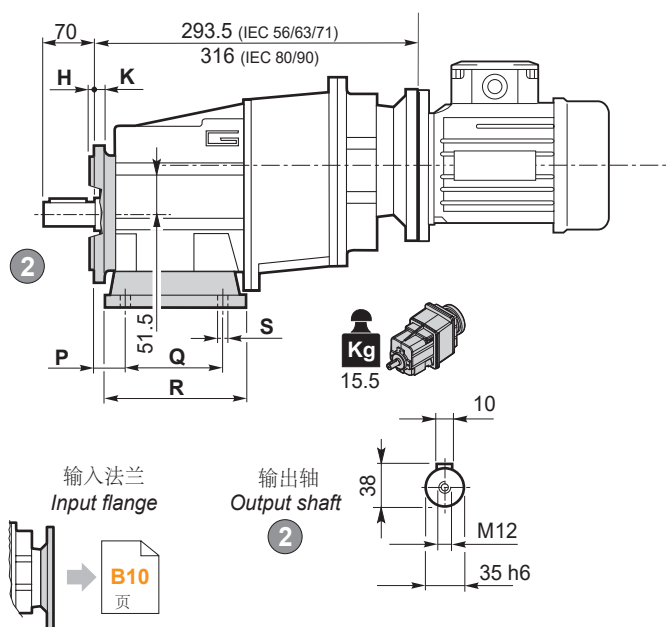
CMG 042 H../F..



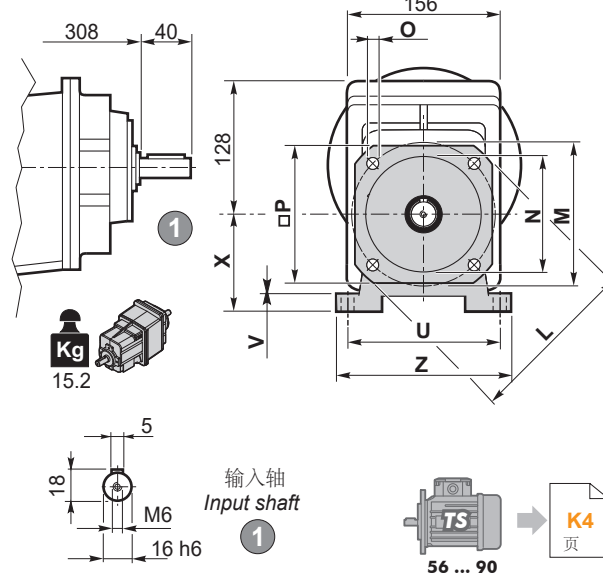
CMGIS 042 H../F..



CMG 043 H../F..



CMGIS 043 H../F..



H 型 / H Version									可装配 H/F Possible combinations H/F				
CMG CMGIS	P	Q	R	S	U	V	X	Z	底座 / Foot		F160	F200	F250
									类型 Type	重量 / 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	185.5	14	180	18	130	216	H130	2.9	•	•	•

推荐 / Preferred

• 可装配 H/F / Possible combinations H/F

F 型 / F Version									
CMG CMGIS	H	K	L	M	N f7	O	P	法兰 / Flange	
								类型 / Type	重量 / 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

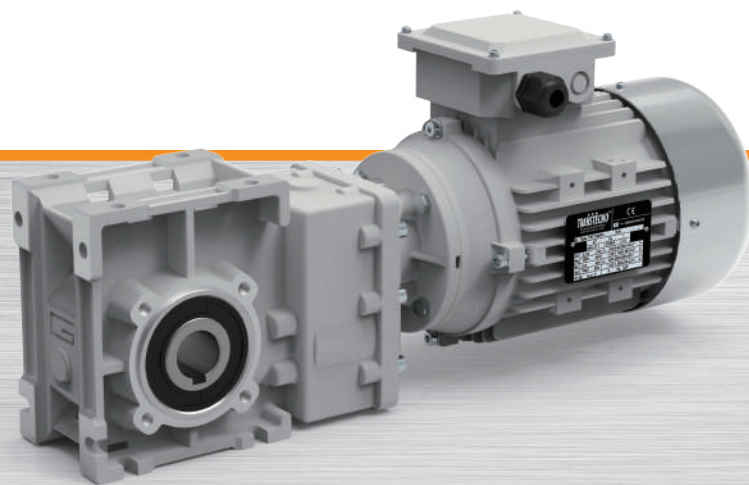
TRANSTECNO[®]
the modular gearmotor

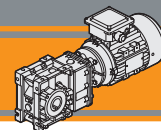
CMB

CMB



伞齿轮减速电机
Helical bevel gearmotors





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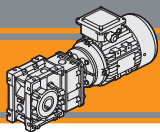
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www.transtecno.com

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技术特征

Technical features

CMB伞齿轮减速电机高度模块化的设计特点使其在安装上可完全和CM蜗轮蜗杆减速机互换。

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

可选用不同的输出法兰、输出轴、扭力臂组建各种减速机方案。

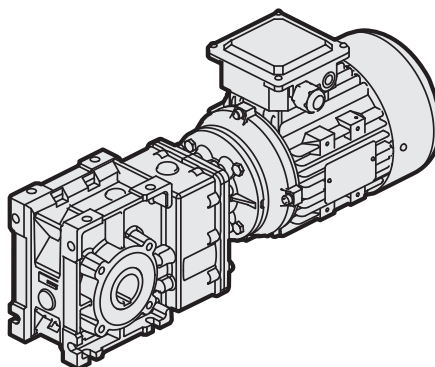
It is possible to set up the version required using output flanges, output shafts and optional torque arms.

CMB系列的主要特征:

Common features of all CMB range are:

- 使用压铸铝合金箱体;
- 磨削硬齿面斜齿轮;
- 使用长寿命合成润滑油。

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



选型

减速机 / GEARBOX

CMB	63	3	U	9.81	D25	90	B5	SZDX	BRSX	90
类型 Type	型号 Size	级数 Stages	输出法兰型号 Version	速比 Ratio	空心输出轴 Hollow output shaft	IEC 	法兰型号 Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle
	40 50 63 90	2 3	U FD FS FBD FBS FLD FLS	见表格 see tables	见表格 see tables	56.. — 90..	B5 B14	SZDX SZSX DZ	BRDX BRSX *	0° 90° 180° 270°

减速机 / GEARBOX

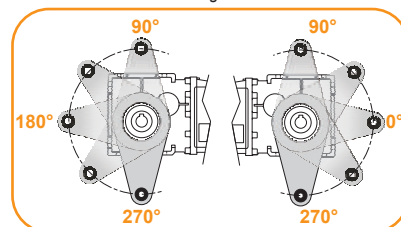
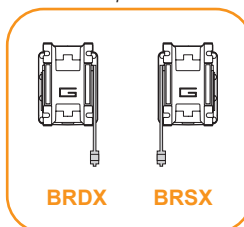
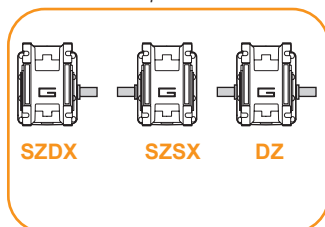
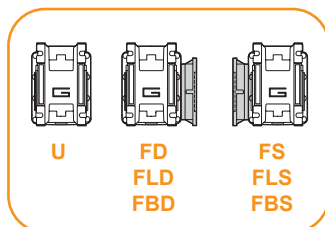
CMBIS	63	3	U	9.81	D25	SZDX	BRSX	90
类型 Type	型号 Size	级数 Stages	输出法兰型号 Version	速比 Ratio	空心输出轴 Hollow output shaft	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle
	40 50 63 90	2 3	U FD FS FBD FBS FLD FLS	见表格 see tables	见表格 see tables	SZDX SZSX DZ	BRDX BRSX *	0° 90° 180° 270°

输出法兰型号
Gearbox Version

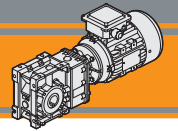
输出轴
Output shaft

扭力臂
Torque arm *


角度
Angle



* 注意: 扭力臂将不组装, 单独提供。
NOTE: the torque arm will be supplied not assembled.



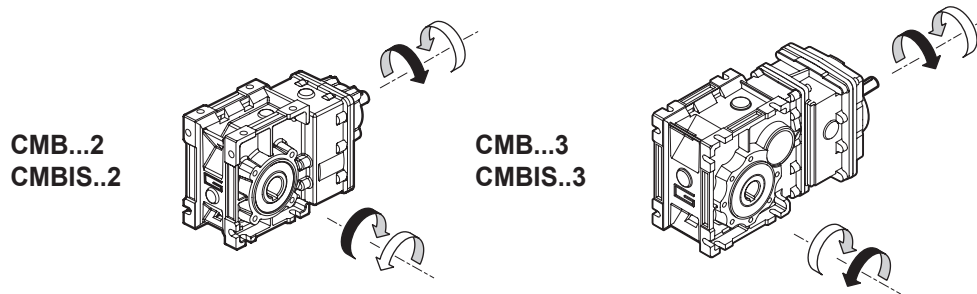
选型

三相电机 / THREE PHASE MOTOR									
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS	 K1 页	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 (标准) T4 T2 T3

CMB


运转方向

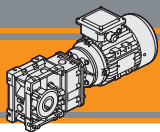
Direction of rotation



代号说明

Symbols

n_1 [min ⁻¹]	输入转速 / Input speed	sf	服务系数 / Service factor
n_2 [min ⁻¹]	输出转速 / Output speed	R_2 [N]	输出端许用径向负荷 / Permitted output radial load
i	速比 / Ratio	A_2 [N]	输出端许用轴向负荷 / Permitted output axial load
P_1 [kW]	输入功率 / Input power		
M_2 [Nm]	输出扭矩参照 P_1 / Output torque referred to P_1		
P_{n1} [kW]	额定输入功率 / Nominal input power		
M_{n2} [Nm]	额定输出扭矩参照 P_{n1} / Nominal output torque referred to P_{n1}		
 [kg]	减速机重量 / Weight of the gearbox only		



润滑油

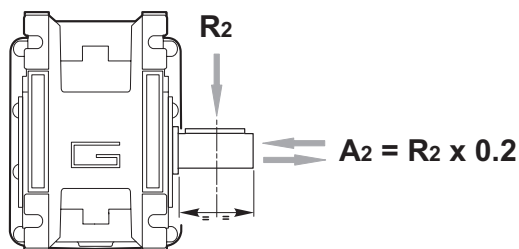
减速机使用长寿命合成润滑油（粘度320），可以在任意安装位置安装，并免维护。

Lubrication

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.

径向负荷

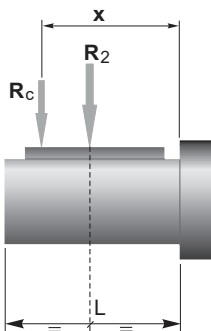
Radial loads



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

当产生的径向负荷不是作用在传动轴伸出长度的中间位置，必须用以下公式来计算有效负荷：

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 = 图表中给出的值
a, b = values given in the table

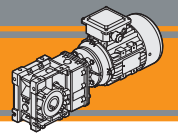
电机适配表

Motors adapters

CMB	TS电机					
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14
402						
502						
633						
903						

备注：灰色部分指该型号有适合的电机输入。

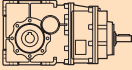
N.B. Grey areas indicate motor inputs available on each size of unit.

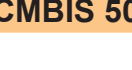


技术参数

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
CMBIS 402								
	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			*	*

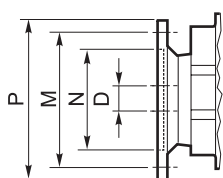
	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC Motori applicabili IEC Motor adapters			
					56 B5/B14	63 B5/B14	71 B5/B14	80 B5/B14
CMBIS 502								
	227	70	1.8	6.18				
	187	70	1.5	7.49				
	152	70	1.2	9.20				
	118	90	1.2	11.83				
	112	90	1.1	12.48				
	94.4	90	0.95	14.83				
	79.4	90	0.80	17.63				
	75.3	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				*

备注：
灰色部分指该型号有适合的电机输入。

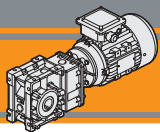
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数选择需根据应用情况：请与我司技术部取得联系。
减速机选型前请参考C8至C12页的技术参数表格。

 * = 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.



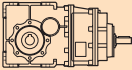
IEC尺寸参数 / IEC Dimensions								
	56 B5	56 B14	63 B5	63 B14	71 B5	71 B14	80 B5	80 B14
N	80	50	95	60	110	70	130	80
M	100	65	115	75	130	85	165	100
P	120	80	140	90	160	105	200	120
D	9		11		14		19	



技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配表 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			*	*		*

备注:

灰色部分指该型号有适合的电机输入。

N.B.

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



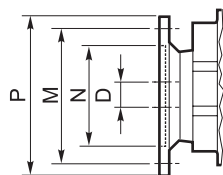
* = 服务系数选择需根据应用情况: 请与我司技术部取得联系。

减速机选型前请参考C8至C12页的技术参数表格。

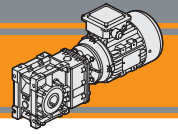


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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



IEC 尺寸参数 / 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	



技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配表 IEC Motor adapters			
					71 B5	80 B5/B14	90 B5/B14	100/112 B5/B14
CMBIS 903								
	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	*	*	*

CMB

备注:

灰色部分指该型号有适合的电机输入。
B = 金属轴套



* = 服务系数选择需根据应用情况: 请与我司技术部取得联系。

减速机选型前请参考C8至C12页的技术参数表格。

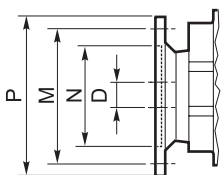
N.B.

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

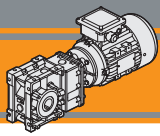


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

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



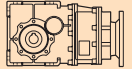
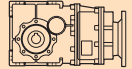
IEC尺寸参数 IEC Dimensions							
	71 B5	80 B5	80 B14	90 B5	90 B14	100/112 B5	100/112 B14
N	110	130	80	130	95	180	110
M	130	165	100	165	115	215	130
P	160	200	120	200	140	250	160
D	14	19		24		28	



CMB 伞齿轮减速电机 Helical bevel gearmotors

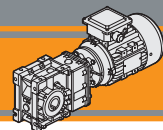
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
0.06						0.09					
TS5614 (1400 min ⁻¹)	227	2	16.8	6.18	CMB402	TS5624 (1400 min ⁻¹)	227	4	11	6.18	CMB402
	187	3	13.9	7.49			187	4	9.3	7.49	
	152	4	11.3	9.20			152	5	7.5	9.20	
	118	5	9.9	11.83			118	7	6.6	11.83	
	112	5	9.4	12.48			112	7	6.3	12.48	
	94	6	7.9	14.83			94	9	5.3	14.83	
	79	7	6.6	17.63			79	10	4.4	17.63	
	75	7	7.7	18.60			75	11	5.1	18.60	
	63	9	6.4	22.33			63	13	4.3	22.33	
	59	9	6.0	23.91			59	14	4.0	23.91	
	48	11	5.8	28.89	48		17	3.9	28.89		
	45	12	5.5	30.84	45		18	3.7	30.84		
	42	13	5.0	33.57	42		19	3.4	33.57		
	39	14	4.7	35.63	39		21	3.2	35.63		
	33	16	4.0	42.75	33		25	2.6	42.75		
	25	21	3.1	55.31	25		32	2.0	55.31		
	24	23	2.9	59.06	24		34	1.9	59.06		
	22	25	2.6	64.29	22		37	1.8	64.29		
	19	28	2.3	72.50	19		42	1.6	72.50		
	24	23	5.5	59.06	CMB502		33	25	5.1	42.75	CMB502
22	25	5.1	64.29	25	32	3.9	55.31				
19	28	4.5	72.50	24	34	3.7	59.06				
19	43	5.9	73.96	CMB633	22	37	3.4	64.29	CMB633		
18	45	5.5	78.58		19	42	3.0	72.50			
15	54	4.6	93.33		19	43	5.9	73.96			
10	81	3.1	140.52		18	45	5.5	78.58			
7.7	105	2.4	181.81		15	54	4.6	93.33			
6.6	122	2.1	211.31		10	81	3.1	140.52			
5.9	138	1.8	238.31	7.7	105	2.4	181.81				
					6.6	122	2.1	211.31			
					5.9	138	1.8	238.31			

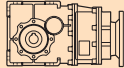


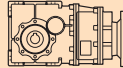
电机 Motors	TS
	5614 5624
IEC	56 B5 / B14



技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
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P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
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0.12

0.12					
TS6314 (1400 min ⁻¹)	227	5	8.4	6.18	CMB402
	187	6	6.9	7.49	
	152	7	5.6	9.20	
	118	9	4.9	11.83	
	112	10	4.7	12.48	
	94	11	3.9	14.83	
	79	14	3.3	17.63	
	75	14	3.8	18.60	
	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		
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

0.18						
TS6324 (1400 min ⁻¹)	45	36	3.5	30.84	CMB502	
	42	39	3.2	33.57		
	39	41	3.0	35.63		
	33	49	2.5	42.75		
	25	64	2.0	55.31		
	24	68	1.8	59.06		
	22	74	1.7	64.29		
	19	84	1.5	72.50		
	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

0.25					
TS6334 TS7114 (1400 min ⁻¹)	227	10	4.0	6.18	CMB402
	187	12	3.3	7.49	
	152	15	2.7	9.20	
	118	19	2.4	11.83	
	112	20	2.2	12.48	
	94	24	1.9	14.83	
	79	28	1.6	17.63	
	75	30	1.8	18.60	
	63	36	1.5	22.33	
	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	

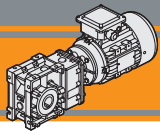
0.18

0.18					
TS6324 (1400 min ⁻¹)	227	7	5.6	6.18	CMB402
	187	9	4.6	7.49	
	152	11	3.8	9.20	
	118	14	3.3	11.83	
	112	14	3.1	12.48	
	94	17	2.6	14.83	
	79	20	2.2	17.63	
	75	21	2.6	18.60	
	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		

TS6334 TS7114 (1400 min ⁻¹)	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		

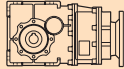
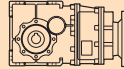




TS		
电机 Motors	6314 6324 6334	7114
	IEC	63 B5 / B14



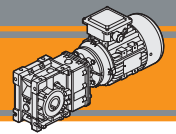
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.25						0.37					
TS6334	41	54	4.1	33.81	CMB633	TS7124	65	51	4.3	21.56	CMB633
TS7114	39	58	3.8	35.92		(1400 min ⁻¹)	53	63	3.5	26.48	
(1400 min ⁻¹)	36	62	4.0	38.88		50	67	3.3	28.17		
	30	76	3.3	47.16		41	80	2.7	33.81		
	24	93	2.7	57.93		39	85	2.6	35.92		
	23	99	2.5	61.63		36	92	2.7	38.88		
	19	119	2.1	73.96		30	112	2.2	47.16		
	18	126	2.0	78.58		24	137	1.8	57.93		
	15	150	1.7	93.33		23	146	1.7	61.63		
	10	225	1.1	140.52		19	175	1.4	73.96		
	7.7	291	0.9	181.81	18	186	1.3	78.58			
					15	221	1.1	93.33			
TS7114	 B5 (1400 min ⁻¹)	92	5.4	57.52	CMB903	TS7124	 B5 (1400 min ⁻¹)	112	4.5	47.25	CMB903
		106	4.7	66.17		136		3.7	57.52		
		133	3.7	83.20		157		3.2	66.17		
		173	2.9	108.09		17		197	2.5	83.20	
		212	2.4	132.23		13		256	1.9	108.09	
		237	2.1	147.92		11		314	1.6	132.23	
		268	1.9	167.09		9.5		351	1.4	147.92	
		306	1.6	191.06		8.4		396	1.3	167.09	
		356	1.4	221.88		7.3		453	1.1	191.06	
		422	1.2	262.96		6.3		526	0.9	221.88	
				5.3	624	0.8	262.96				
0.37						0.55					
TS7124	227	15	2.7	6.18	CMB402	TS7134	227	22	1.8	6.18	CMB402
(1400 min ⁻¹)	187	18	2.3	7.49		(1400 min ⁻¹)	187	26	1.5	7.49	
	152	22	1.8	9.20		152	32	1.2	9.20		
	118	28	1.6	11.83		118	42	1.1	11.83		
	112	30	1.5	12.48		112	44	1.0	12.48		
	94	35	1.3	14.83		94	52	0.9	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	TS7134	227	22	3.2	6.18
	187	18	3.9	7.49	TS8014		187	26	2.6	7.49	
	152	22	3.2	9.20	(1400 min ⁻¹)		152	32	2.2	9.20	
	118	28	3.2	11.83	118		42	2.2	11.83		
	112	30	3.0	12.48	112		44	2.0	12.48		
	94	35	2.6	14.83	94		52	1.7	14.83		
	79	42	2.2	17.63	79		62	1.4	17.63		
	75	44	2.5	18.60	75		66	1.7	18.60		
	63	53	2.1	22.33	63		79	1.4	22.33		
	59	57	1.9	23.91	59		84	1.3	23.91		
	48	69	1.8	28.89	48		102	1.2	28.89		
	45	73	1.7	30.84	45		109	1.1	30.84		
	42	80	1.6	33.57	42		118	1.1	33.57		
	39	85	1.5	35.63	39		126	1.0	35.63		
	33	101	1.2	42.75							
	25	131	1.0	55.31							
	24	140	0.9	59.06							

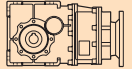
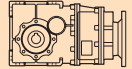




电机 Motors	TS		
	6334	7114 7124 7134	8014
IEC	63 B5 / B14	71 B5 / B14	80 B5 / B14



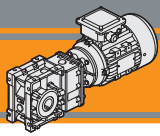
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.55						0.75					
TS7134	213	23	6.5	6.58	CMB633	TS7144	213	32	4.7	6.58	CMB633
TS8014	175	28	5.3	7.99		TS8024	175	38	3.9	7.99	
(1400 min ⁻¹)	143	35	4.3	9.81		(1400 min ⁻¹)	143	47	3.2	9.81	
	134	37	4.1	10.44			134	50	3.0	10.44	
	112	44	3.4	12.53			112	60	2.5	12.53	
	105	47	3.2	13.31			105	64	2.3	13.31	
	89	56	3.0	15.81			89	76	2.2	15.81	
	79	63	3.5	17.77			79	85	2.6	17.77	
	65	76	2.9	21.56			65	104	2.1	21.56	
	53	93	2.4	26.48			53	127	1.7	26.48	
	50	99	2.2	28.17			50	135	1.6	28.17	
	41	119	1.8	33.81			41	163	1.4	33.81	
	39	127	1.7	35.92			39	173	1.3	35.92	
	36	137	1.8	38.88			36	187	1.3	38.88	
	30	166	1.5	47.16			30	227	1.1	47.16	
	24	204	1.2	57.93			24	279	0.9	57.93	
	23	217	1.2	61.63			23	296	0.8	61.63	
	19	261	1.0	73.96							
	18	277	0.9	78.58							
0.75						1.1					
TS7134	46	107	4.2	30.25	CMB903	TS7144	65	104	4.3	21.60	CMB903
	36	138	3.6	39.26			53	126	3.6	26.30	
TS8014	30	167	3.0	47.25		TS8024	46	145	3.1	30.25	
(1400 min ⁻¹)	24	203	2.5	57.52		(1400 min ⁻¹)	36	189	2.6	39.26	
	21	233	2.1	66.17			30	227	2.2	47.25	
	17	293	1.7	83.20			24	277	1.8	57.52	
	13	381	1.3	108.09			21	318	1.6	66.17	
	11	466	1.1	132.23			17	400	1.2	83.20	
	9.5	522	1.0	147.92			13	520	1.0	108.09	
	8.4	589	0.8	167.09							
0.75						1.1					
TS7144	227	30	2.4	6.18	CMB502	TS8034	213	46	3.2	6.58	CMB633
TS8024	187	36	1.9	7.49		TS90S4	175	56	2.7	7.99	
(1400 min ⁻¹)	152	44	1.6	9.20		(1400 min ⁻¹)	143	69	2.2	9.81	
	118	57	1.6	11.83			134	74	2.0	10.44	
	112	60	1.5	12.48			112	88	1.7	12.53	
	94	71	1.3	14.83			105	94	1.6	13.31	
	79	85	1.1	17.63			89	112	1.5	15.81	
	75	89	1.2	18.60			79	125	1.8	17.77	
	63	107	1.0	22.33			65	152	1.4	21.56	
	59	115	1.0	23.91			53	187	1.2	26.48	
	48	139	0.9	28.89			50	199	1.1	28.17	
							41	238	0.9	33.81	
							39	253	0.9	35.92	
						36	274	0.9	38.88		

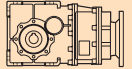
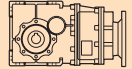


电机 Motors	TS		
	7134 7144	8014 8024 8034	90S4
IEC	71 B5 / B14	80 B5 / B14	90 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
1.1						2.2						
TS8034	211	47	6.0	6.65	CMB903	TS90L24	211	94	3.0	6.65	CMB903	
TS90S4	175	56	5.0	8.00		TS100L14	175	113	2.5	8.00		
(1400 min ⁻¹)	144	69	4.1	9.74		(1400 min ⁻¹)	144	137	2.0	9.74		
	125	79	3.5	11.21			125	158	1.8	11.21		
	99	99	3.0	14.09			99	199	1.5	14.09		
	78	127	3.6	17.95			78	253	1.8	17.95		
	65	152	3.0	21.60			65	305	1.5	21.60		
	53	185	2.4	26.30			53	371	1.2	26.30		
	46	213	2.1	30.25			46	427	1.1	30.25		
	36	277	1.8	39.26			36	554	0.9	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						3						
TS90L14	213	63	2.4	6.58	CMB633	TS100L24	211	128	2.2	6.65	CMB903	
(1400 min ⁻¹)	175	77	2.0	7.99		(1400 min ⁻¹)	175	154	1.8	8.00		
	143	94	1.6	9.81			144	187	1.5	9.74		
	134	100	1.5	10.44			125	216	1.3	11.21		
	112	120	1.2	12.53			99	271	1.1	14.09		
	105	128	1.2	13.31			78	345	1.3	17.95		
	89	152	1.1	15.81			65	416	1.1	21.60		
	79	171	1.3	17.77			53	506	0.9	26.30		
	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								
4							4					
						TS112M4	211	171	1.6	6.65	CMB903	
						(1400 min ⁻¹)	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		



电机 Motors	TS			
	8034	90S4 90L14 90L24	100L14 100L24	112M4
IEC	80 B5 / B14	90 B5 / B14	100 B5/B14	112 B5/B14

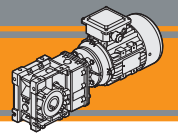
电机技术参数

Electrical technical data

请参见专用页面:

Please see the dedicated paragraph:



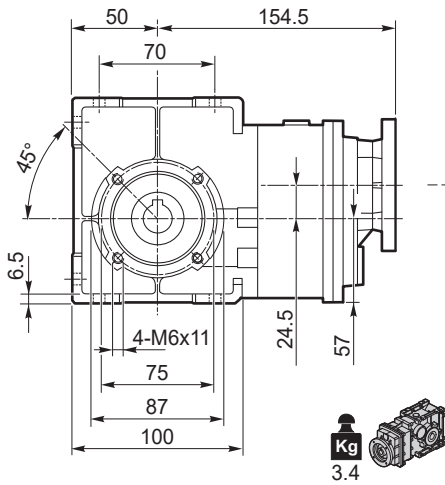


尺寸参数

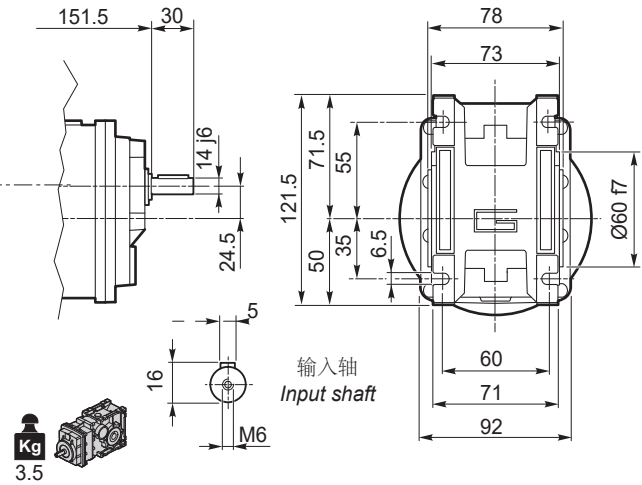
Dimensions

CMB 402.. - CMBIS 402..

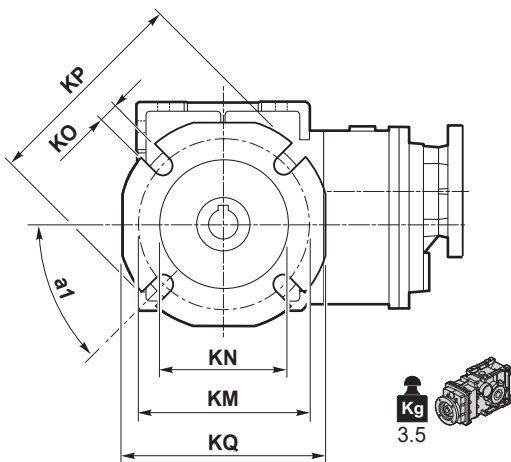
CMB 402 U..



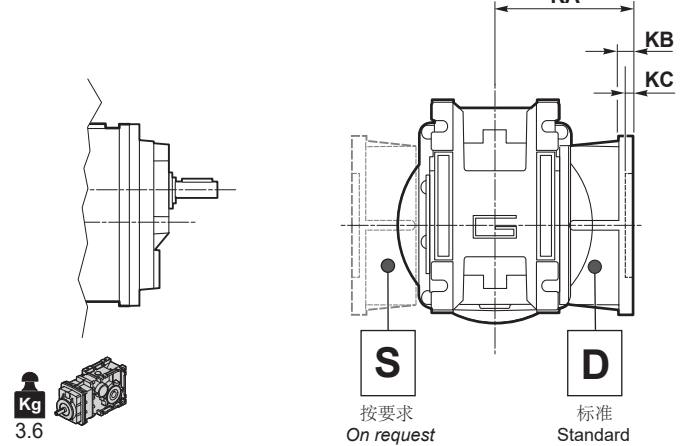
CMBIS 402 U..



CMB 402 F..



CMBIS 402 F..

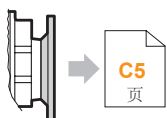


F 输出法兰 / F Version

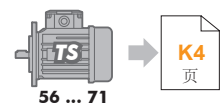
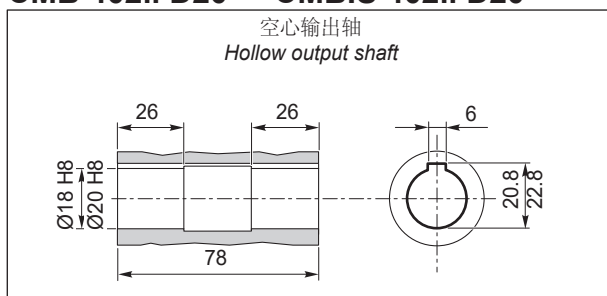
CMB CMBIS	a ₁	KA	KB	KC	KM	KN H8	KO	KP	KQ	法兰 / Flange 类型 / Type
402	45°	67	7.5	4.5	80-95	60	9	110	95	F
	45°	97	7.5	4.5	80-95	60	9	110	95	FL
	45°	80	8.5	5	115-125	95	9.5	140	112	FB

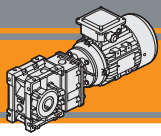
CMB 402.. D18 - CMBIS 402.. D18
CMB 402.. D20 - CMBIS 402.. D20

输入轴
Input flange



空心输出轴
Hollow output shaft



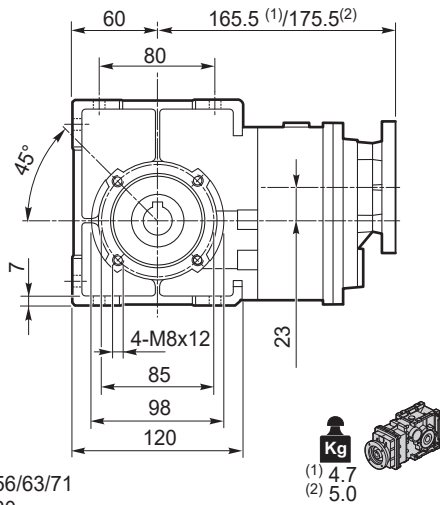


尺寸参数

Dimensions

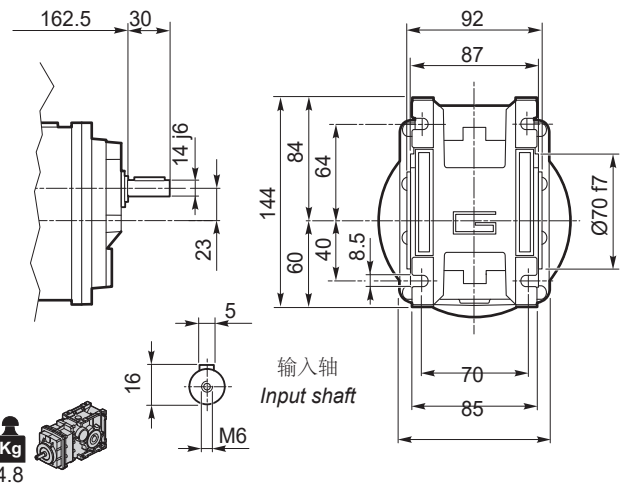
CMB 502.. - CMBIS 502..

CMB 502 U..

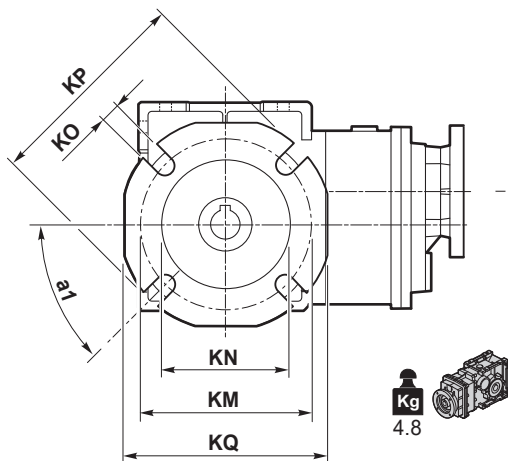


(1) IEC 56/63/71
(2) IEC 80

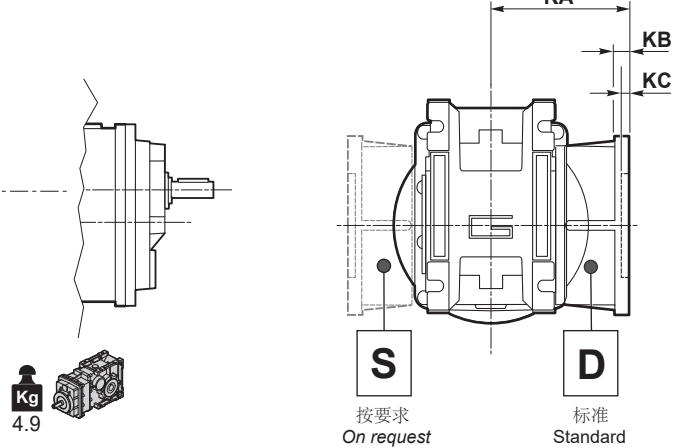
CMBIS 502 U..



CMB 502 F..



CMBIS 502 F..

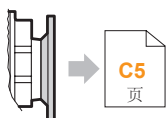


F 输出法兰 / F Version

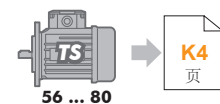
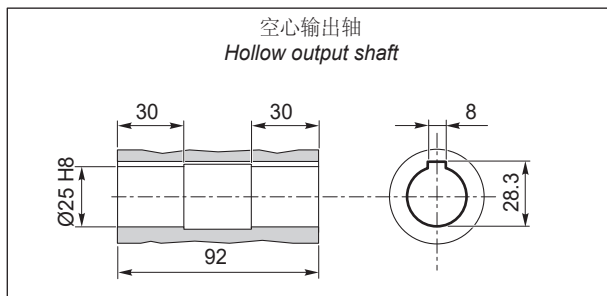
CMB CMBIS	a ₁	KA	KB	KC	KM	KN H8	KO	KP	KQ	法兰 / Flange 类型 / Type
502	45°	90	9	5	90-110	70	11	125	110	F
	45°	120	9	5	90-110	70	11	125	110	FL
	45°	89	9	5	130-145	110	9.5	160	132	FB

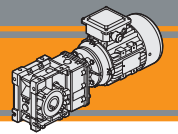
CMB 502.. D25 - CMBIS 502.. D25

输入法兰
Input flange



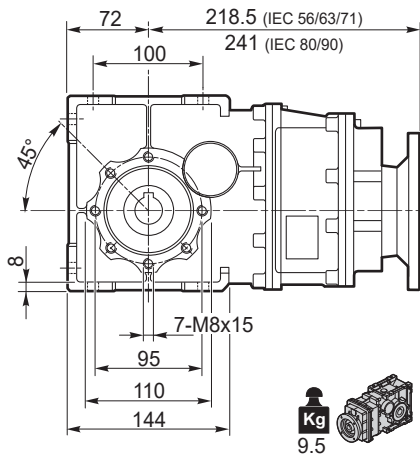
空心输出轴
Hollow output shaft



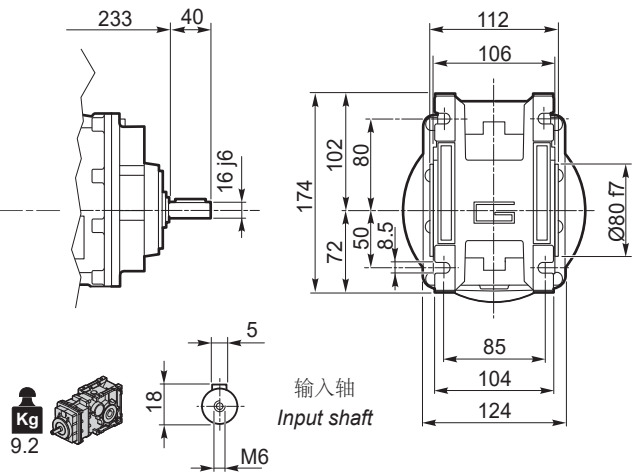


CMB 633.. - CMBIS 633..

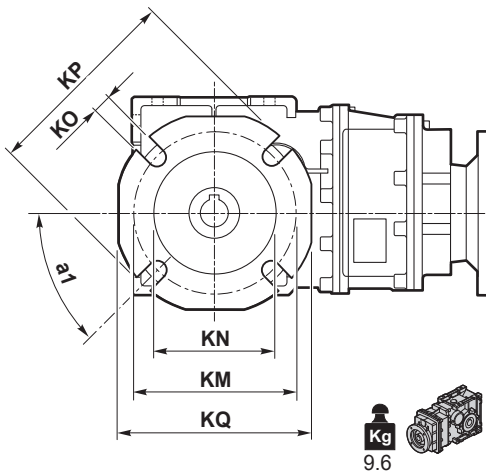
CMB 633 U..



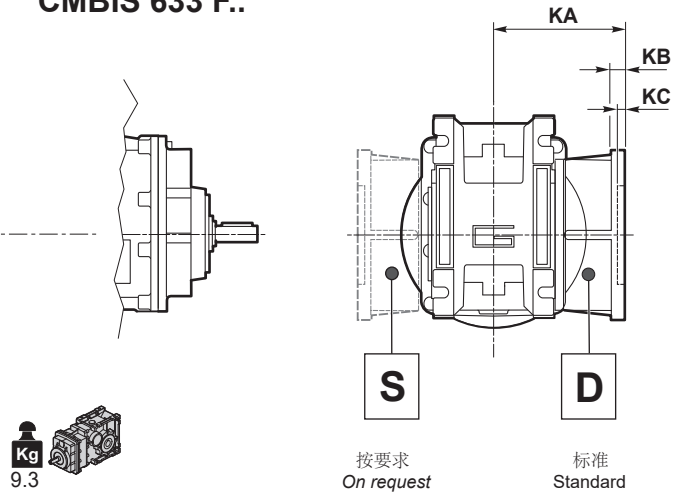
CMBIS 633 U..



CMB 633 F..



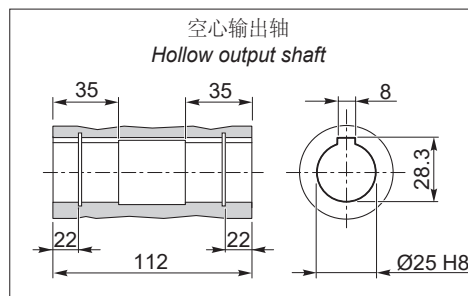
CMBIS 633 F..



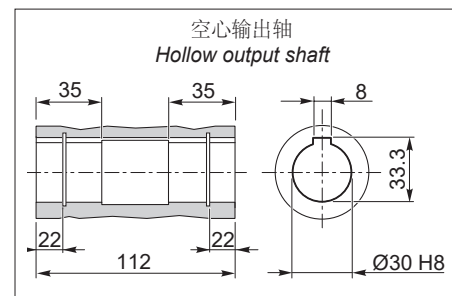
F 输入法兰 / F Version

CMB CMBIS	a ₁	KA	KB	KC	KM	KN H8	KO	KP	KQ	法兰 / Flange 类型 / 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

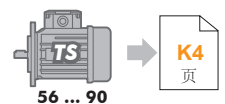
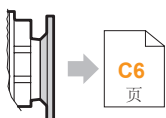
CMB 633.. D25
CMBIS 633.. D25

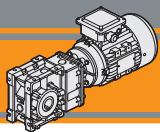


CMB 633.. D30
CMBIS 633.. D30



输入法兰
Input flange



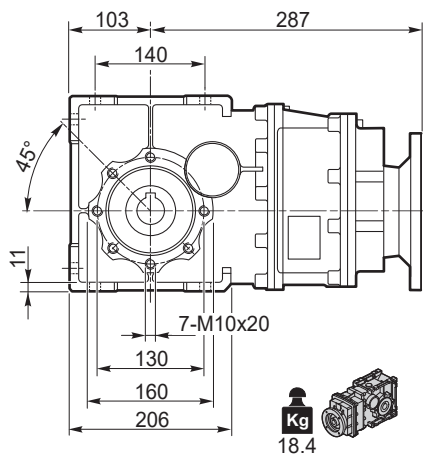


尺寸参数

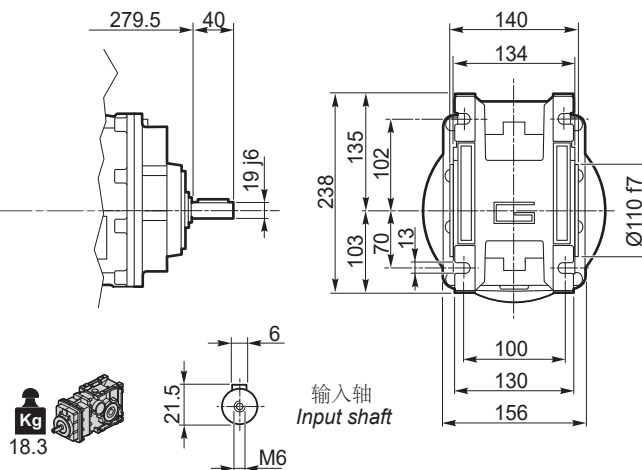
Dimensions

CMB 903.. - CMBIS 903..

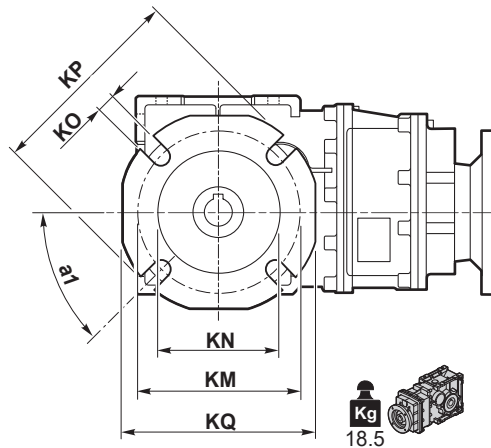
CMB 903 U..



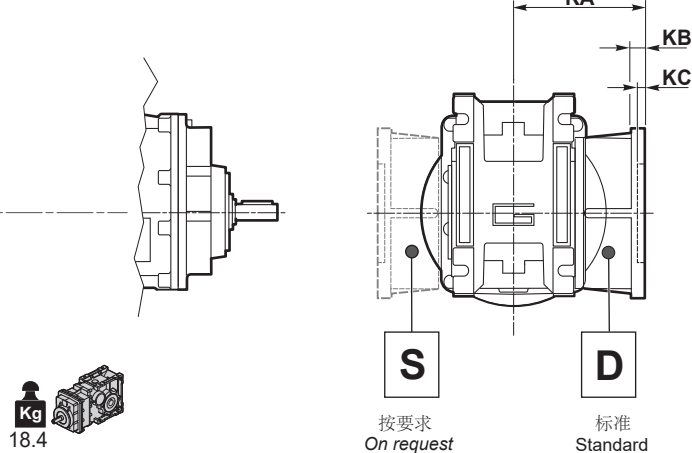
CMBIS 903 U..



CMB 903 F..



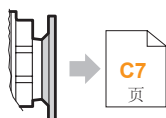
CMBIS 903 F..



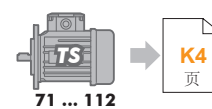
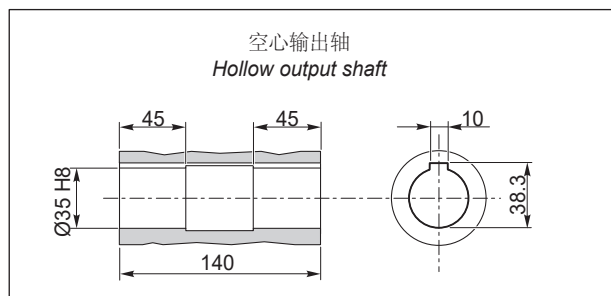
F 输入法兰 / F Version										
CMB CMBIS	a ₁	KA	KB	KC	KM	KN H8	KO	KP	KQ	法兰 / Flange 类型 / Type
903	45°	111	13	6	175-188	152	14	210	200	F

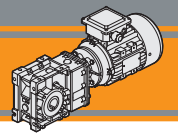
CMB 903.. D35 - CMBIS 903.. D35

输入法兰
Input flange

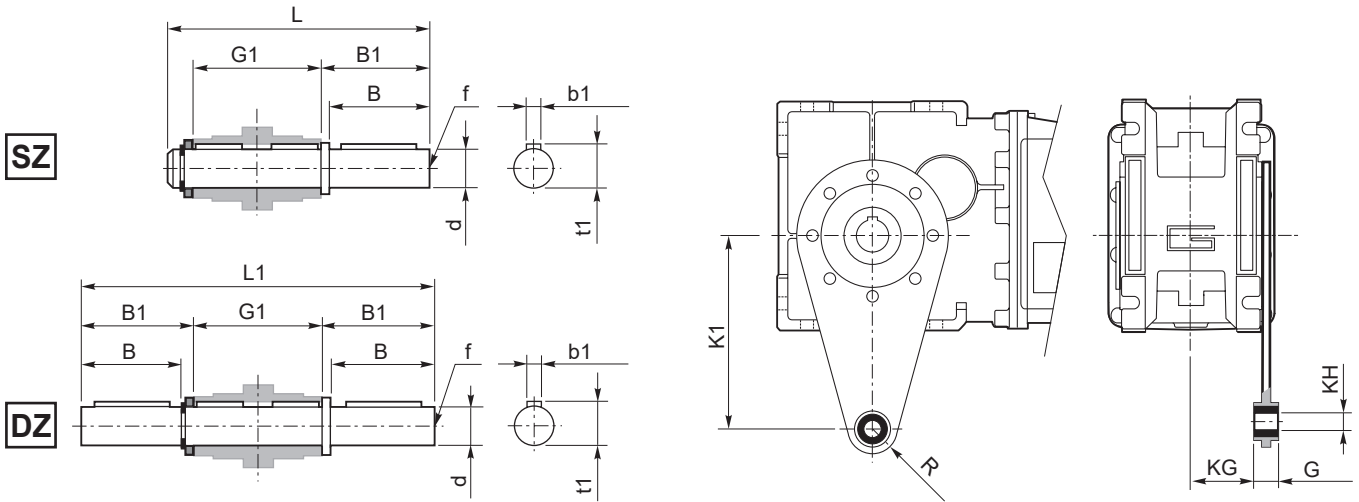


空心输出轴
Hollow output shaft





CMB



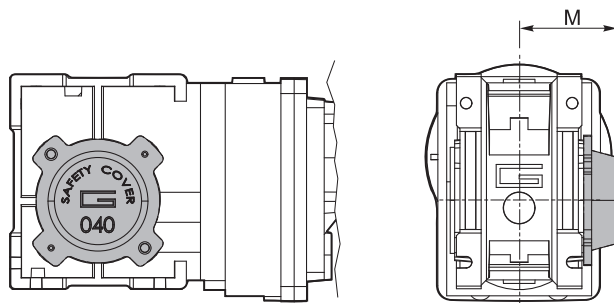
输出轴 / Output shaft

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

扭力臂 / 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 - 防护罩 / Safety cover



CMB CMBIS	M
402	54.5
502	62.5
633	73
903	94

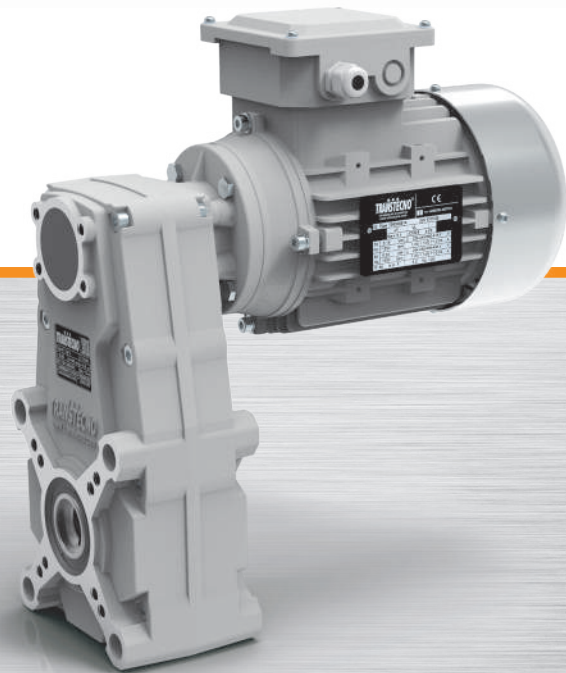
TRANSTECNO[®]
the modular gearmotor

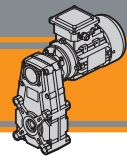
FT

FT



平行轴式减速机
Helical parallel gearmotors





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运转方向
代号说明
润滑油
径向负荷
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技术参数
尺寸参数

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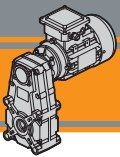
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Classification
Direction of rotation
Symbols
Lubrication
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www.transtecno.com

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FT 平行轴式减速机 Helical parallel gearmotors

技术特征

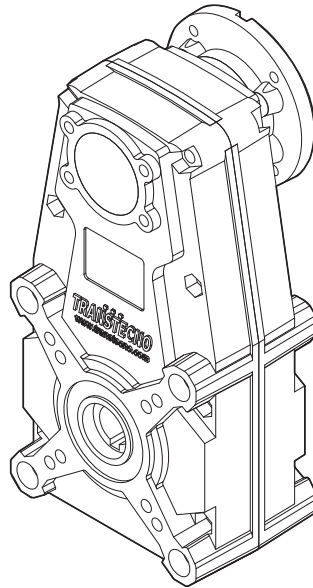
Technical features

FT系列具有如下主要特征:

FT helical parallel gearmotors range has the following main features:


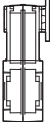
- 压铸铝合金箱体;
- 使用长寿命人工合成润滑油;
- 磨削硬齿面斜齿轮;

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


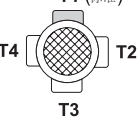


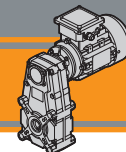
选型

减速机 / GEARBOX

FT	146	U	60.63	O20	56	B5
类型 Type	型号 Size	输出法兰型号 Version	速比 Ratio	空心输出轴 Hollow output shaft	IEC 	法兰型号 Version
FT 	105/3 105/4 146 176 196	U...	见表格 see tables	见表格 see tables	56 63 71 80 90	B5 B14

三相电机 / THREE PHASE MOTOR

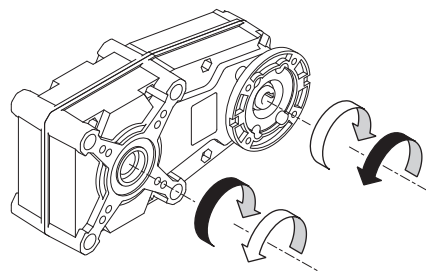
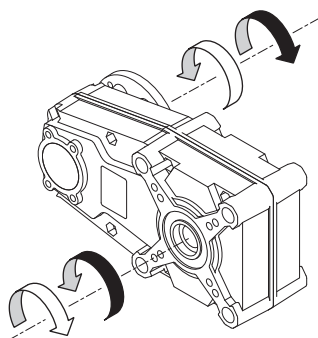
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率等级 Power coefficient	极 Poles	功率 Power	输出法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS	 K1 页	1-2-3-S L1-L2	4	0.09 kW ... 2.2 kW	B5 B14	3 ph	230-400 V 275-480 V	50Hz 60Hz	T1 (标准) 



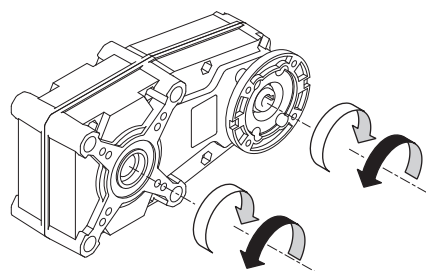
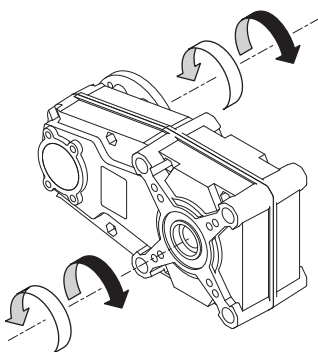
运转方向

Direction of rotation

FT105/3
FT146
FT176
FT196




FT105/4



代号说明

Symbols

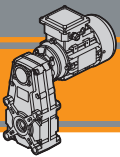
n_1	[min ⁻¹]	输入转速 / <i>Input speed</i>
n_2	[min ⁻¹]	输出转速 / <i>Output speed</i>
i		速比 / <i>Ratio</i>
P_1	[kW]	输入功率 / <i>Input power</i>
M_2	[Nm]	输出扭矩参照 P_1 / <i>Output torque referred to P_1</i>
P_{n1}	[kW]	额定输入功率 / <i>Nominal input power</i>
M_{n2}	[Nm]	额定输出扭矩参照 P_{n1} / <i>Nominal output torque referred to P_{n1}</i>
	[kg]	减速机重量 / <i>Weight of the gearbox only</i>
sf		服务系数 / <i>Service factor</i>
R_2	[N]	输出端许用径向负荷 / <i>Permitted output radial load</i>
A_2	[N]	输出端许用轴向负荷 / <i>Permitted output axial load</i>

润滑油

Lubrication

减速电机使用长寿命合成润滑油（粘度320），可以在任意安装位置安装，并免维护。

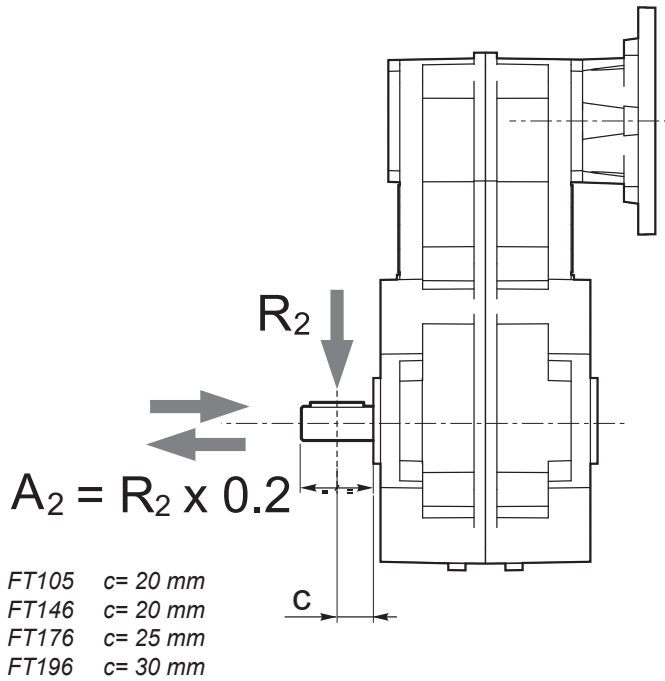
Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.



FT 平行轴式减速机 Helical parallel gearmotors

径向负荷

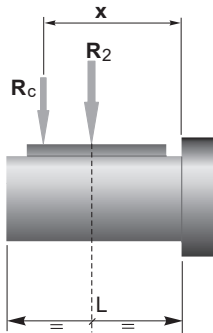
Radial loads



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

当产生的径向负荷不是作用在传动轴伸出长度的中间位置，必须用以下公式来计算有效负荷：

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 = 图表中给出的值
 a, b = values given in the table

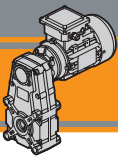
电机适配表

Motors adapters

FT	TS				
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24
105					
146					
176					
196					

备注：灰色部分指该型号有适合的电机输入。

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




FT 平行轴式减速机 Helical parallel gearmotors

技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配法兰 IEC Motor adapters			
					63 B5/B14	71 B5/B14	80 B5/B14	
FT176								
	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		0.37	126.92				*
	9.7		0.32	144.74				*
	8.6		0.29	163.25				*
	6.9		0.23	204.08				*
	6.5	300	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		1.1	72.68				
	15		0.92	92.82				
	11		0.69	123.95				
	8.9	550	0.51	158.02				
	6.9		0.42	201.80				
	5.2		0.32	269.47				

备注:

灰色部分指该型号有适合的电机输入。



* = 服务系数选择需根据应用情况: 请与我司技术部取得联系。

减速机选型前请参考D7至D9页的技术参数表格。

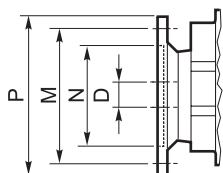
N.B.

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

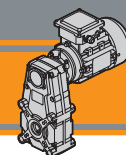


* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page D7 to D9.



IEC 尺寸参数 / 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	



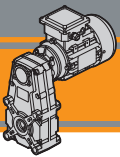
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.06						0.12					
TS5014 (1400 min ⁻¹)	68	8	5.1	20.57	FT105/3	TS6314 (1400 min ⁻¹)	75	14	5.5	18.75	FT146
	42	13	3.9	33.32			61	18	4.5	22.89	
	32	17	3.8	44.36			53	20	4.0	26.17	
	26	21	3.1	54.87			50	22	3.7	28.26	
	19	28	2.4	71.84			40	27	3.7	35.07	
	18	30	2.2	77.07			35	30	3.3	39.44	
	16	34	1.9	88.87			30	36	2.8	46.44	
	11	48	1.4	124.81			26	41	2.5	52.86	
	7.7	70	0.9	181.35			23	47	2.4	60.63	
	6.2	86	0.8	224.32			20	54	2.0	70.00	
	26	20	4.9	52.86	19		57	1.9	74.02		
	23	23	4.7	60.63	17		65	1.7	84.63		
	20	27	4.1	70.00	15		74	1.5	95.61		
	19	28	3.9	74.02	12		87	1.3	113.40		
	17	33	3.4	84.63	10		103	1.1	133.45		
	15	37	3.0	95.61	9.3		116	1.0	150.18		
	12	44	2.5	113.40	8.7		123	1.0	160.43		
	10	51	2.1	133.45	7.8		138	0.9	178.83		
	9.3	58	1.9	150.18	7.1		151	0.8	195.85		
	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						0.18					
TS5624 (1400 min ⁻¹)	68	12	3.4	20.57	FT105/3	TS6314 (1400 min ⁻¹)	22	49	4.7	63.55	FT176
	42	19	2.6	33.32			18	58	4.3	75.90	
	32	26	2.5	44.36			16.4	66	3.8	85.40	
	26	32	2.1	54.87			15.6	69	4.1	89.60	
	20	41	1.6	71.84			13	82	3.5	107.02	
	18	44	1.5	77.07			11	98	3.1	126.92	
	16	51	1.3	88.87			9.7	111	2.7	144.74	
	11	72	0.9	124.81			8.6	126	2.4	163.25	
	75	11	7.4	18.75			6.9	157	1.9	204.08	
	61	13	6.1	22.89			6.5	166	1.8	215.11	
	53	15	5.3	26.17	5.1		213	1.4	276.68		
	50	16	4.9	28.26	4.6		233	1.3	303.29		
	40	20	4.9	35.07	3.6		300	1.0	390.11		
	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								





电机 Motors	TS	
	5614 5624	6314 6324
IEC	56 B5 / B14	63 B5 / B14



FT 平行轴式减速机 Helical parallel gearmotors

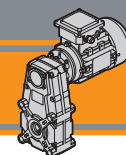
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
0.18						0.25					
TS6324 (1400 min ⁻¹)	31	52	4.1	44.79	FT176	TS6334 TS7114 (1400 min ⁻¹)	15.1	149	3.7	92.82	FT196
	28	58	3.8	50.10			11.3	199	2.8	123.95	
	26	63	3.7	54.26			8.9	253	2.2	158.02	
	22	73	3.1	63.55			6.9	323	1.7	201.80	
	18	88	2.9	75.90			5.2	432	1.3	269.47	
	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	0.37						
6.9	233	2.4	201.80		TS7124 (1400 min ⁻¹)	75	44	1.8	18.75	FT146	
5.2	311	1.8	269.47			61	54	1.5	22.89		
						53	62	1.3	26.17		
				50		67	1.2	28.26			
					40	83	1.2	35.07			
					35	94	1.1	39.44			
					30	110	0.9	46.44			
					26	125	0.8	52.86			
					23	144	0.8	60.63			
0.25						0.37					
TS6334 TS7114 (1400 min ⁻¹)	75	30	2.7	18.75	FT146	TS7124 (1400 min ⁻¹)	97	34	4.1	14.49	FT176
	61	37	2.2	22.89			81	41	3.7	17.31	
	53	42	1.9	26.17			67	50	3.2	20.97	
	50	45	1.8	28.26			57	58	3.1	24.56	
	40	56	1.8	35.07			48	70	2.6	29.33	
	35	63	1.6	39.44			40	82	2.3	34.62	
	30	74	1.3	46.44			37	89	2.1	37.50	
	26	85	1.2	52.86			34	98	2.0	41.35	
	23	97	1.1	60.63			31	106	2.0	44.79	
	20	112	1.0	70.00			28	119	1.9	50.10	
	19	119	0.9	74.02			26	129	1.8	54.26	
	17	136	0.8	84.63			22	151	1.5	63.55	
							18	180	1.4	75.90	
							16.4	203	1.2	85.40	
				15.6	213	1.3	89.60				
				13	254	1.1	107.02				
				11	301	1.0	126.92				
				9.7	343	0.9	144.74				
TS6334 TS7114 (1400 min ⁻¹)	57	39	4.6	24.56	FT176	TS7124 (1400 min ⁻¹)	24	141	3.6	59.36	FT196
	48	47	3.8	29.33			19	172	3.2	72.68	
	40	56	3.4	34.62			15	220	2.5	92.82	
	37	60	3.2	37.50			11	294	1.9	123.95	
	34	66	3.0	41.35			8.9	375	1.5	158.02	
	31	72	2.9	44.79			6.9	479	1.1	201.80	
	28	80	2.7	50.10			5.2	639	0.9	269.47	
	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							





电机 Motors	TS	
	6324 6334	7114 7124
IEC	63 B5 / B14	71 B5 / B14





技术参数


Technical data


P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.55					
TS7134 (1400 min ⁻¹)	75	66	1.2	18.75	FT146
	61	81	1.0	22.89	
	53	92	0.9	26.17	
	50	100	0.8	28.26	
	40	124	0.8	35.07	


P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.75					
TS7144 TS8024 (1400 min ⁻¹)	69	98	3.6	20.41	FT196
	40	167	2.4	34.81	
	33	205	2.2	42.61	
	24	285	1.8	59.36	
	19	350	1.6	72.68	
	15	446	1.2	92.82	
11	596	0.9	123.95		


P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.55					
TS7134 TS8014 (1400 min ⁻¹)	97	51	2.7	14.49	FT176
	81	61	2.5	17.31	
	67	74	2.2	20.97	
	57	87	2.1	24.56	
	48	103	1.7	29.33	
	40	122	1.6	34.62	
	37	132	1.4	37.50	
	34	146	1.4	41.35	
	31	158	1.3	44.79	
	28	177	1.2	50.10	
	26	191	1.2	54.26	
	22	224	1.0	63.55	
	18	268	0.9	75.90	
	16.4	301	0.8	85.40	
	15.6	316	0.9	89.60	

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
1.1					
TS8034 (1400 min ⁻¹)	97	102	1.4	14.49	FT176
	81	122	1.2	17.31	
	67	148	1.1	20.97	
	57	173	1.0	24.56	
	48	207	0.9	29.33	
1.5					
TS8034 TS90S4 (1400 min ⁻¹)	69	144	2.4	20.41	FT196
	40	246	1.6	34.81	
	33	301	1.5	42.61	
	24	419	1.2	59.36	
	19	513	1.1	72.68	
15	655	0.8	92.82		

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.75					
TS7134 TS8014 (1400 min ⁻¹)	69	72	4.9	20.41	FT196
	40	123	3.2	34.81	
	33	150	3.0	42.61	
	24	209	2.4	59.36	
	19	255	2.1	72.68	
	15	327	1.7	92.82	
	11	437	1.3	123.95	
	8.9	557	1.0	158.02	
	6.9	712	0.8	201.80	

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
1.5					
TS90L14 (1400 min ⁻¹)	69	196	1.8	20.41	FT196
	40	335	1.2	34.81	
	33	410	1.1	42.61	
	24	571	0.9	59.36	
	19	699	0.8	72.68	

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
0.75					
TS7144 TS8024 (1400 min ⁻¹)	97	70	2.0	14.49	FT176
	81	83	1.8	17.31	
	67	101	1.6	20.97	
	57	118	1.5	24.56	
	48	141	1.3	29.33	
	40	167	1.1	34.62	
	37	180	1.1	37.50	
	34	199	1.0	41.35	
	31	215	1.0	44.79	
	28	241	0.9	50.10	
	26	261	0.9	54.26	

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
2.2					
TS90L24 (1400 min ⁻¹)	69	288	1.2	20.41	FT196
	40	491	0.8	34.81	



电机 Motors	TS		
	7134 7144	8014 8024 8034	90S4 90L14 90L24
IEC	71 B5 / B14	80 B5 / B14	90 B5 / B14

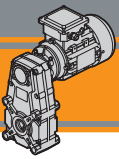
电机技术参数

Electrical technical data

请参见专用页:

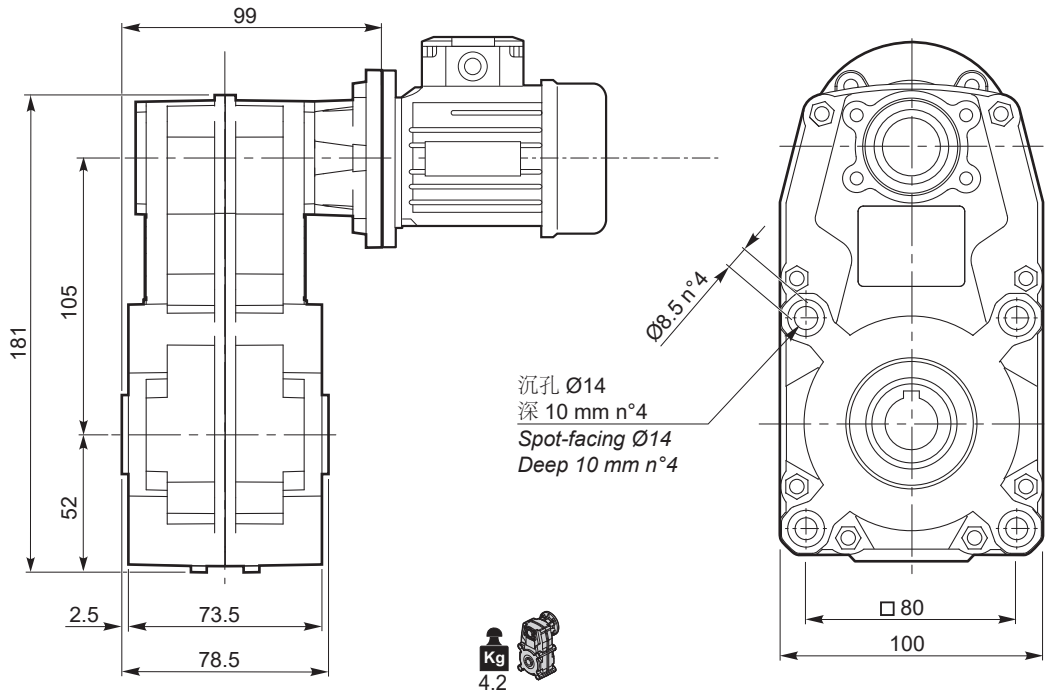
Please see the dedicated paragraph:





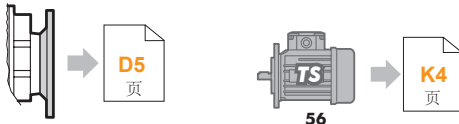
FT 105

FT 105...U



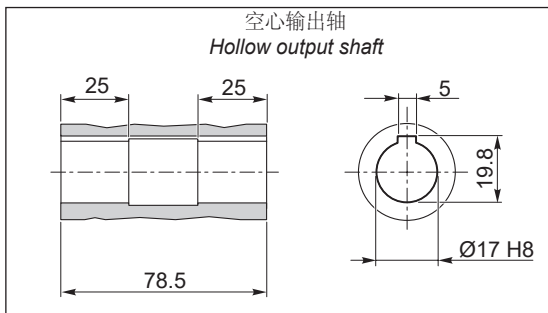
注释：两面安装尺寸相同
NOTE: Same fixing points in both sides

IEC 电机适配法兰
IEC Motor adapters



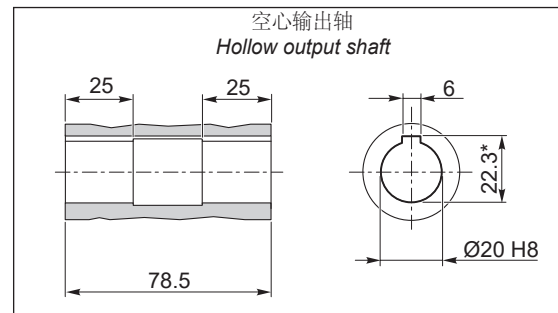
O17

空心输出轴
Hollow output shaft

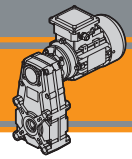


O20

空心输出轴
Hollow output shaft

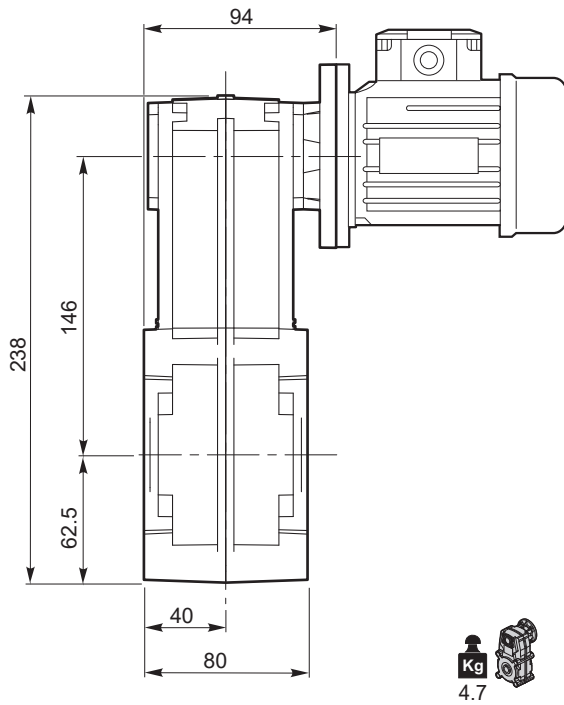


*: 特殊键槽 / Special keyway

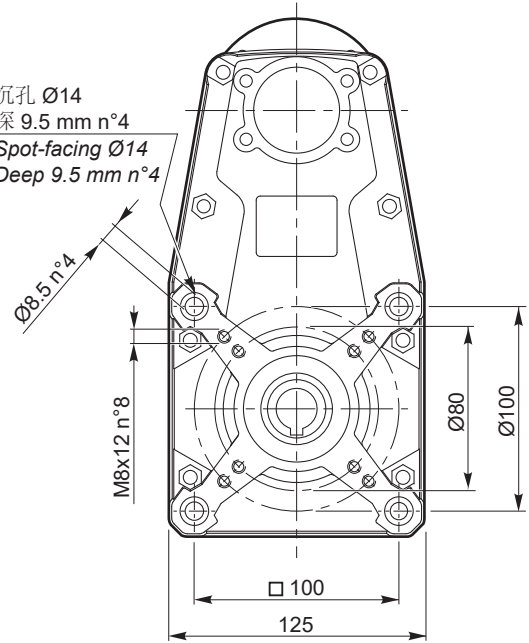


FT 146

FT 146 U

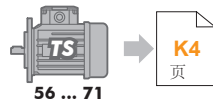
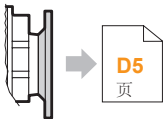


沉孔 $\text{Ø}14$
深 9.5 mm n°4
Spot-facing $\text{Ø}14$
Deep 9.5 mm n°4



FT

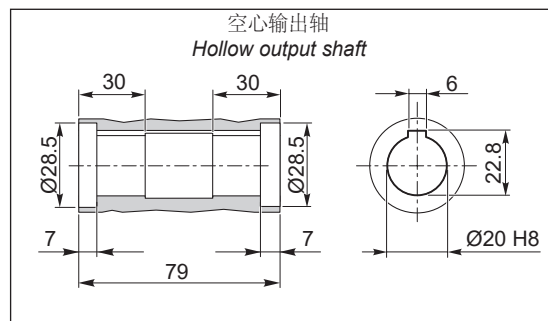
IEC 电机适配法兰
IEC Motor adapters

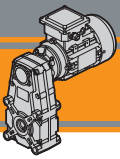


注释：两面安装尺寸相同
NOTE: Same fixing points in both sides

O20

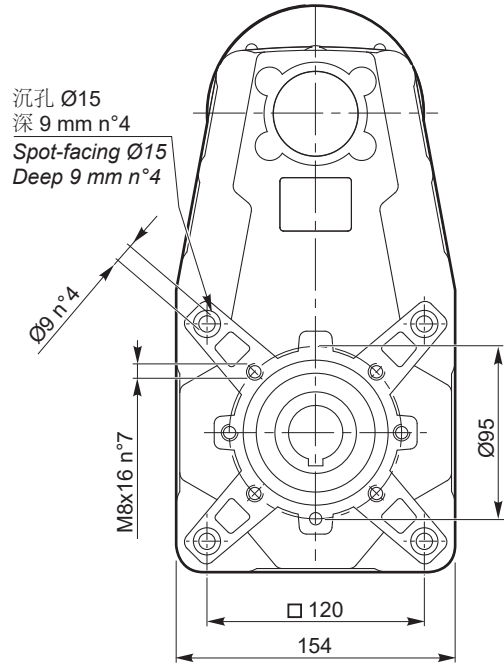
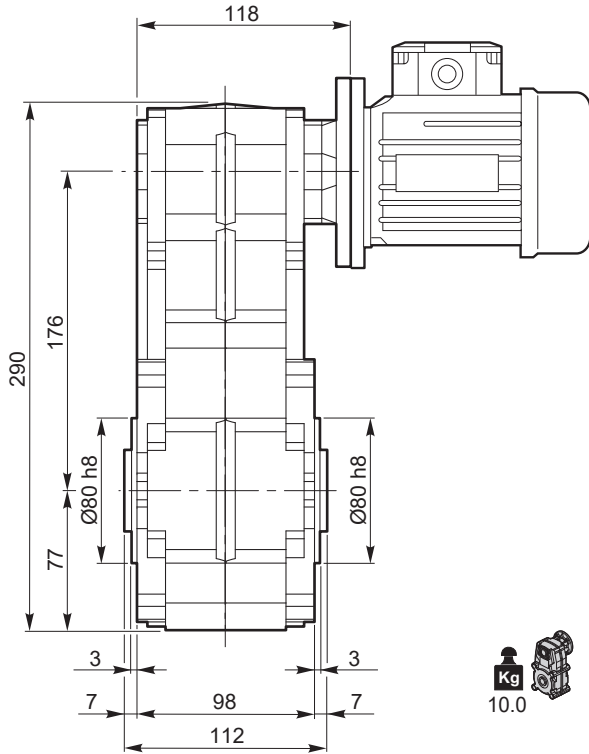
空心输出轴
Hollow output shaft





FT 176

FT 176 U



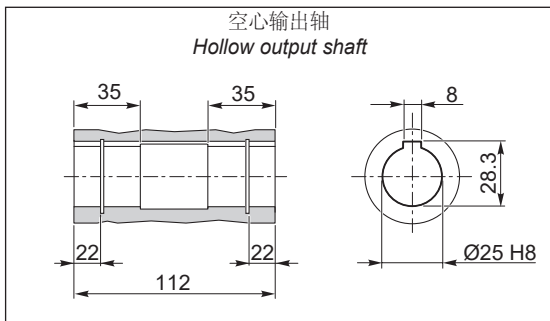
注释：两面安装尺寸相同
NOTE: Same fixing points in both sides

IEC 电机适配法兰
IEC Motor adapters



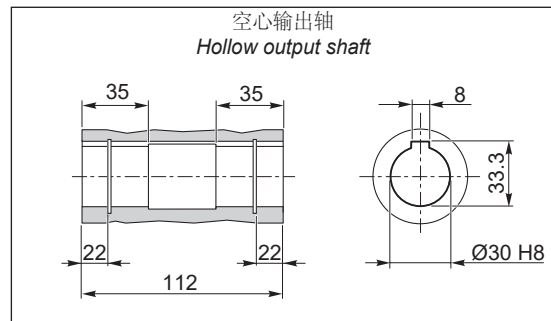
O25

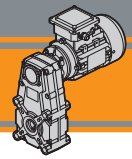
空心输出轴
Hollow output shaft



O30

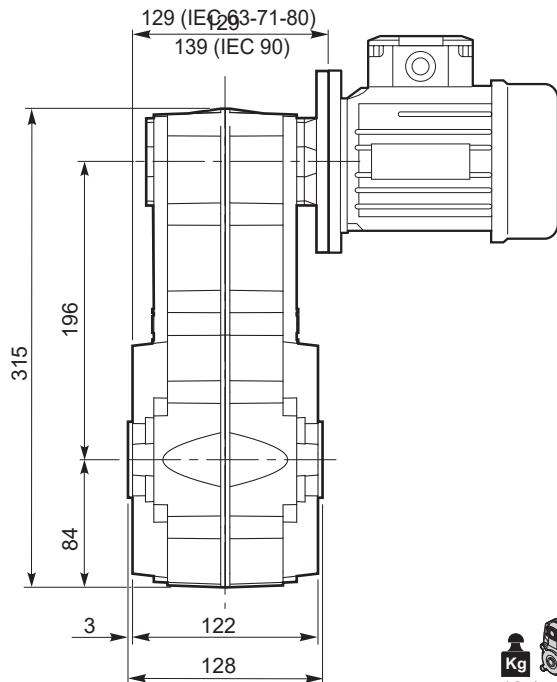
空心输出轴
Hollow output shaft



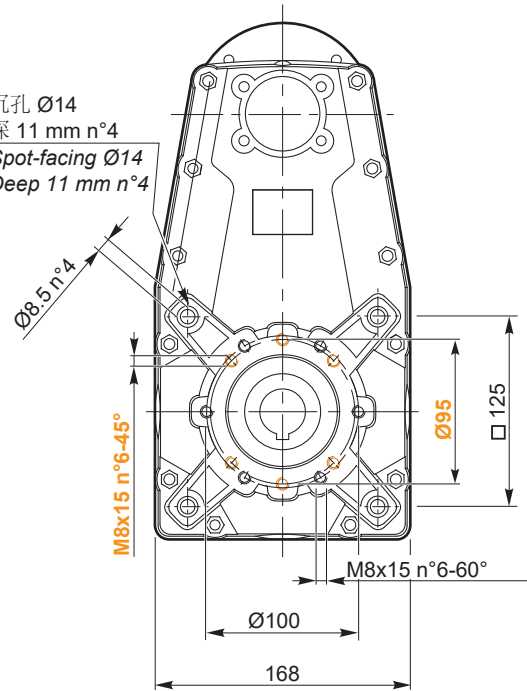


FT 196

FT 196 U

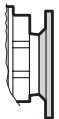


沉孔 $\text{Ø}14$
深 11 mm n°4
Spot-facing $\text{Ø}14$
Deep 11 mm n°4

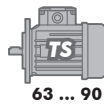


注释：两面安装尺寸相同
NOTE: Same fixing points in both sides

IEC 电机适配法兰
IEC Motor adapters



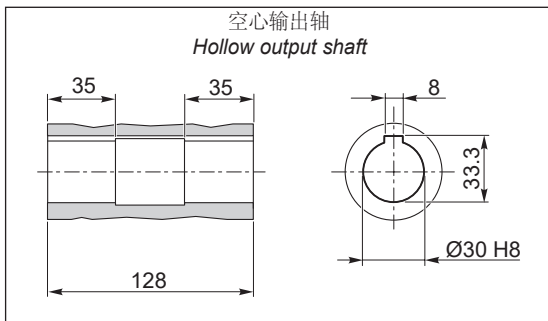
D6
页



K4
页

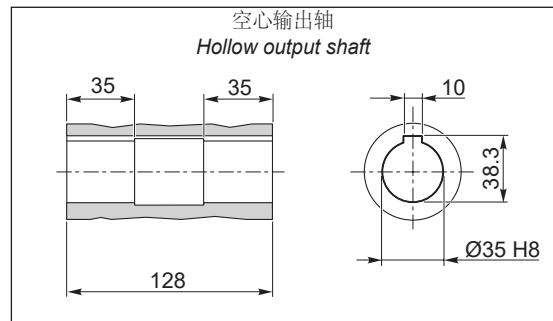
O30

空心输出轴
Hollow output shaft



O35

空心输出轴
Hollow output shaft



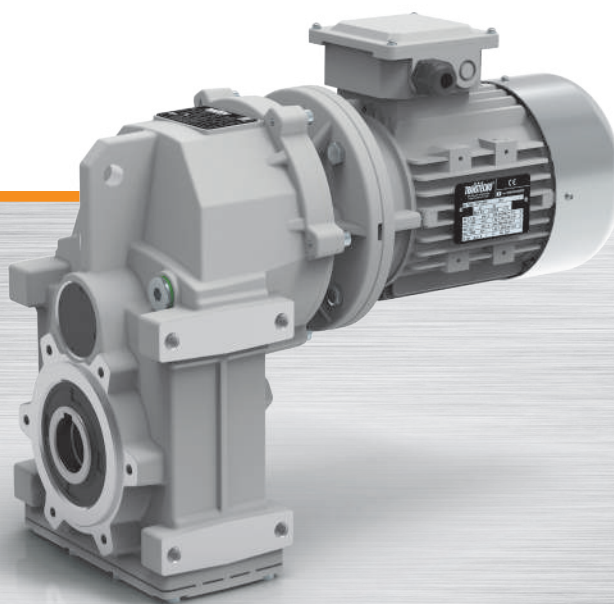
TRANSTECNO[®]
the modular gearmotor

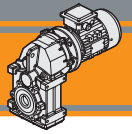
ATS

ATS



平行轴式减速机
Helical parallel gearmotors





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运转方向
代号说明
润滑油
径向负荷
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技术参数
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附件

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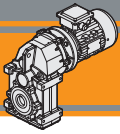
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Classification
Direction of rotation
Symbols
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该目录为最新版本，可替代以往的任何版本及修订。如果您是通过非正式渠道取得，不能保证是最新内容，可在本公司网站上查阅 www.transtecno.com

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ATS 平行轴式减速机 Helical parallel gearmotors

技术特征

Technical features

ATS平行轴式减速机具有高度模块化的设计特点，可以与输入、输出组件任意组合。

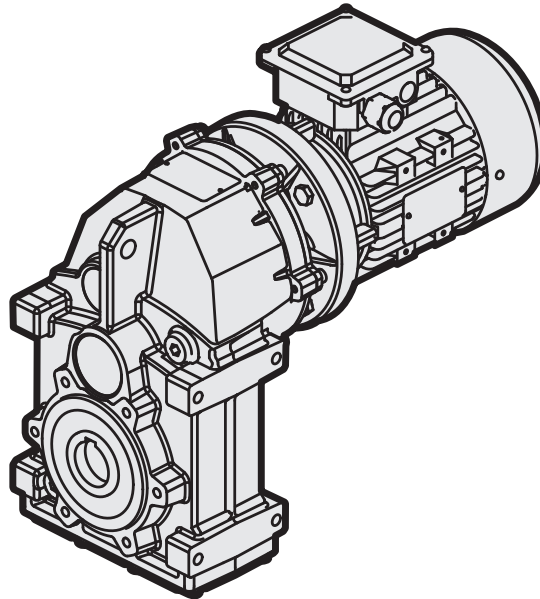
The high degree of modularity is a design feature of ATS helical parallel range. It is possible to set up the version required by using input and output kits.

ATS系列的主要特征：

The main features of ATS range are:


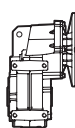
- 压铸铝合金箱体和输入法兰；
- 使用长寿命人工合成润滑油；
- 磨削硬齿面斜齿轮；
- 铸铁输出法兰。

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

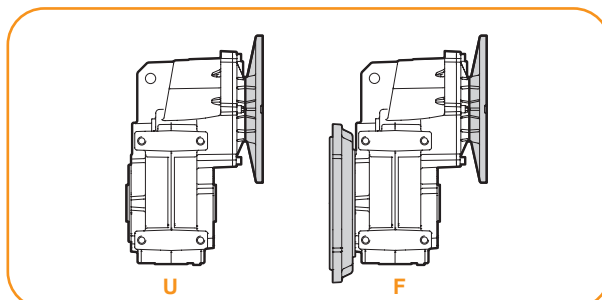


选型

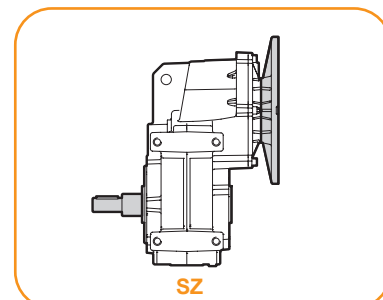
减速机 / GEARBOX

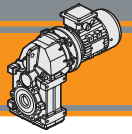
ATS	90	2	U	29.65	D35	90	B5	SZ
类型 Type	型号 Size	级数 Stages	底座/输出法兰型号 Version	速比 Ratio	空心输出轴 Hollow output shaft	IEC 	法兰型号 Version	实心输出轴 Solid output shaft
 ATS	90 91	2 3	U... F...	见表格 see tables	见表格 see tables	63.. — 112..	B5 B14	SZ

底座/输出法兰型式
Gearbox Version

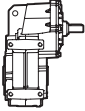


输出轴
Output shaft

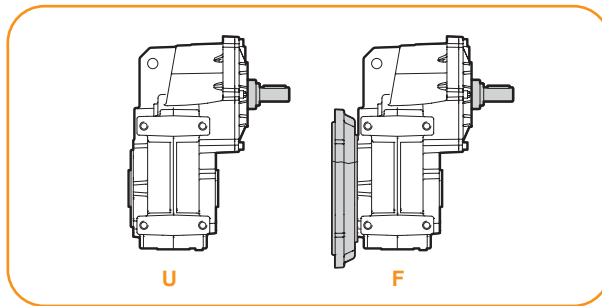




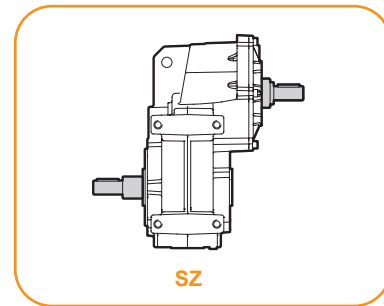
选型

减速机 / GEARBOX						
AT SIS	90	2	U	29.65	D35	SZ
类型 Type	型号 Size	级数 Stages	底座/输出法兰型号 Version	速比 Ratio	空心输出轴 Hollow output shaft	实心输出轴 Solid output shaft
AT SIS	90 91	2 3	U... F...	见表格 see tables	见表格 see tables	SZ
						



底座/输出法兰型号
Gearbox Version

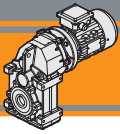


输出轴
Output shaft



ATS

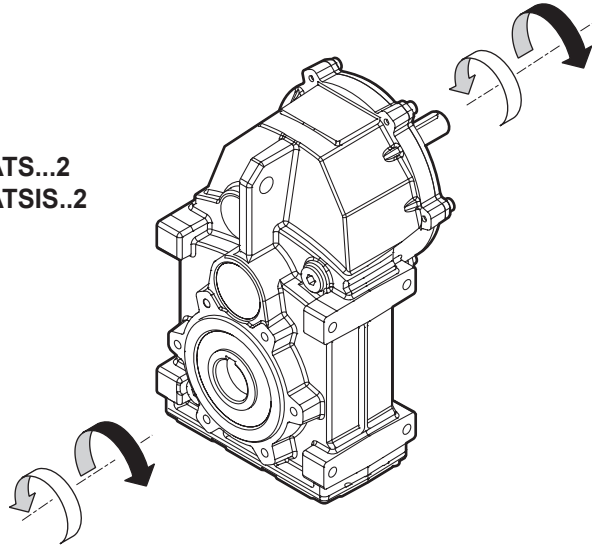
三相电机 / THREE PHASE MOTOR									
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS		1-2-3-S L1-L2	4	0.09 kW ... 2.2 kW	B5 B14	3 ph	230-400 V 275-480 V	50Hz 60Hz	



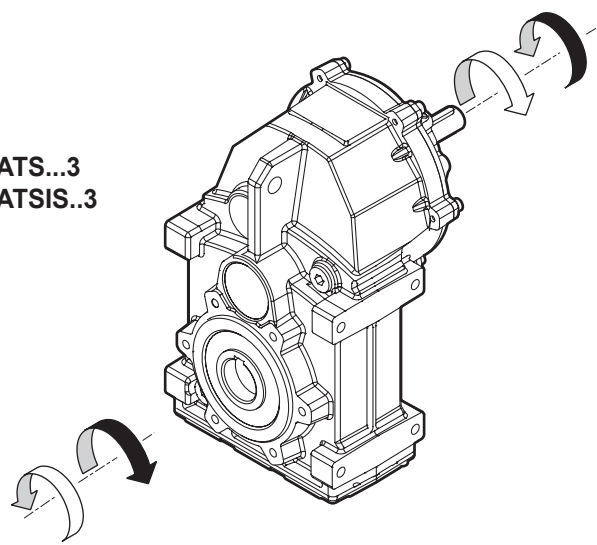
运转方向

Direction of rotation

ATS...2
ATSIS..2




ATS...3
ATSIS..3



代号说明

Symbols

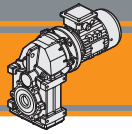
n_1	[min ⁻¹]	输入转速 / Input speed
n_2	[min ⁻¹]	输出转速 / Output speed
i		速比 / Ratio
P_1	[kW]	输入功率 / Input power
M_2	[Nm]	输出扭矩参照 P_1 / Output torque referred to P_1
P_{n1}	[kW]	额定输入功率 / Nominal input power
M_{n2}	[Nm]	额定输出扭矩参照 P_{n1} / Nominal output torque referred to P_{n1}
 kg	[kg]	减速机重量 / Weight of the gearbox only
sf		服务系数 / Service factor
R_2	[N]	输出端许用径向负荷 / Permitted output radial load
A_2	[N]	输出端许用轴向负荷 / Permitted output axial load

润滑油

Lubrication

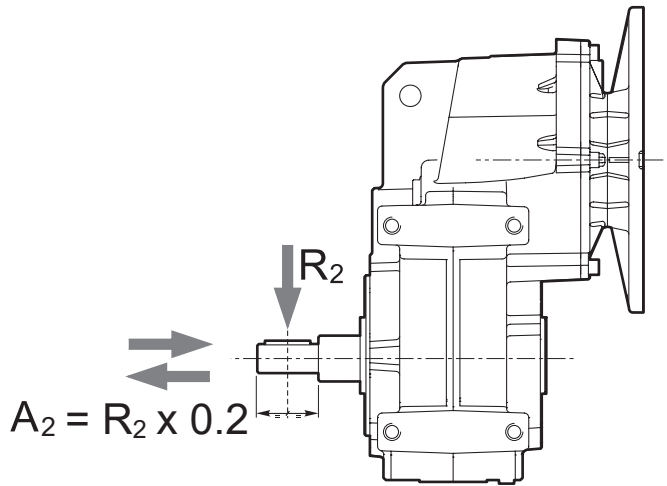
使用粘度320的长寿人工合成润滑油，可以在任意安装位置上使用，因此，ATS系列可以在任意位置进行安装并免维护。

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.



径向负荷

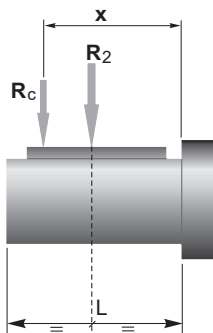
Radial loads



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

当产生的径向负荷不是作用在传动轴伸出长度的中间位置，必须用以下公式来计算有效负荷：

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 = 图表中给出的值
a, b = values given in the table

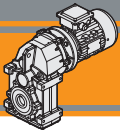
电机适配表

Motors adapters

ATS	TS电机					
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14
902						
903						
912						
913						

备注：灰色部分指该型号有适合的电机输入。

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



ATS 平行轴式减速机 Helical parallel gearmotors

技术参数

n_1 1400 min⁻¹

Technical data

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

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		*	*	*

备注:

灰色部分指该型号有适合的电机输入。

B = 金属轴套

N.B.

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

B = Metal shaft sleeve.



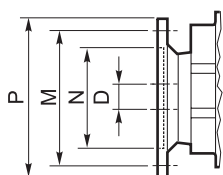
* = 服务系数选择需根据应用情况: 请与我司技术部取得联系。



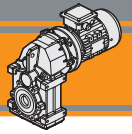
* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速机选型前请参考E8至E11页的技术参数表格。

Before selecting any gearbox, please read the performance values shown in the tables on page E8 to E11.




IEC尺寸参数 / 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	



技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	IEC 电机适配表 IEC Motor adapters					
					71 B5	80 B5/B14	90 B5/B14	100 B5/B14	112 B5/B14	
ATSIS 912										
	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			*	*

备注:

灰色部分指该型号有适合的电机输入。
B = 金属轴套

N.B.

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



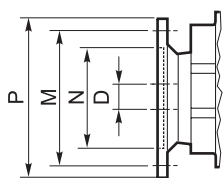
* = 服务系数选择需根据应用情况: 请与我司技术部取得联系。



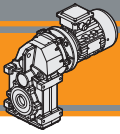
* = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速机选型前请参考E8至E11页的技术参数表格。

Before selecting any gearbox, please read the performance values shown in the tables on page E8 to E11.



IEC尺寸参数 / 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	









ATS 平行轴式减速机

Helical parallel gearmotors

技术参数

Technical data







P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.12						0.25						
TS6314  (1400 min ⁻¹)	14	77	5.2	100.33	ATS903	TS7114  (1400 min ⁻¹)	239	10	20.8	5.87	ATS902	
	11	97	4.1	125.89			178	13	19.4	7.87		
	11	101	3.9	131.65			148	16	19.3	9.47		
	10	108	3.7	139.88			121	19	18.5	11.53		
	9.3	116	3.4	151.07			106	22	16.1	13.26		
	8.4	128	3.1	166.13			89	26	13.6	15.68		
	8.1	133	3.0	172.40			84	27	12.8	16.68		
	6.7	160	2.5	208.45			73	31	12.8	19.09		
	6.3	172	2.3	223.41			64	36	11.1	21.96		
	5.6	192	2.1	250.14			53	43	9.2	26.50		
	4.3	249	1.6	323.65			51	45	8.8	27.61		
	4.1	266	1.5	345.59			47	49	8.2	29.65		
	3.7	289	1.4	376.15			42	55	7.3	33.49		
	3.3	326	1.2	424.21			39	59	6.8	35.87		
					ATS913	37	61	6.5	38.29			
	6.9	157	3.8	203.55			32	70	5.7	43.88		
	6.1	175	3.4	227.91			29	79	5.1	49.09		
	4.7	227	2.6	294.88			27	84	4.1	52.71		
	4.4	242	2.5	314.87			25	89	4.5	55.45		
	4.1	264	2.3	342.72			22	102	3.9	63.41		
	3.6	297	2.0	386.51			19	118	3.4	73.64		
							16	140	2.9	87.27		
0.18												
TS6324  (1400 min ⁻¹)	14	116	3.5	100.33	ATS903	TS6334  TS7114 (1400 min ⁻¹)	14	161	2.5	100.33	ATS903	
	11	145	2.8	125.89			11	202	2.0	125.89		
	11	152	2.6	131.65			11	211	1.9	131.65		
	10	161	2.5	139.88			10	224	1.8	139.88		
	9.3	174	2.3	151.07			9.3	242	1.7	151.07		
	8.4	192	2.1	166.13			8.4	266	1.5	166.13		
	8.1	199	2.0	172.40			8.1	276	1.4	172.40		
	6.7	241	1.7	208.45			6.7	334	1.2	208.45		
	6.3	258	1.6	223.41			6.3	358	1.1	223.41		
	5.6	289	1.4	250.14			5.6	401	1.0	250.14		
	4.3	374	1.1	323.65								
	4.1	399	1.0	345.59								
	3.7	434	0.9	376.15			14	163	3.7	101.41		ATS913
	3.3	490	0.8	424.21			11	197	3.1	122.61		
						11	211	2.8	131.41			
	9.5	170	3.5	147.13	ATS913	9.5	236	2.5	147.13			
	8.9	181	3.3	157.08			8.9	252	2.4	157.08		
	7.4	219	2.7	189.92			7.4	304	2.0	189.92		
	6.9	235	2.6	203.55			6.9	326	1.8	203.55		
	6.1	263	2.3	227.91			6.1	365	1.6	227.91		
	4.7	340	1.8	294.88			4.7	473	1.3	294.88		
	4.4	363	1.7	314.87			4.4	505	1.2	314.87		
	4.1	396	1.5	342.72			4.1	549	1.1	342.72		
	3.6	446	1.3	386.51			3.6	620	1.0	386.51		



TS		
电机 Motors	6314 6324 6334	7114
IEC	63 B5	71 B5 / B14

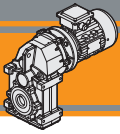
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
0.37						0.55					
 TS7124 (1400 min ⁻¹)	239	14	14.1	5.87	ATS902	 TS7134 (1400 min ⁻¹)	239	21	9.5	5.87	ATS902
	178	19	13.1	7.87			178	28	8.8	7.87	
	148	23	13.1	9.47			148	34	8.8	9.47	
	121	28	12.5	11.53			121	42	8.4	11.53	
	106	32	10.9	13.26			106	48	7.3	13.26	
	89	38	9.2	15.68			89	56	6.2	15.68	
	84	40	8.7	16.68			84	60	5.8	16.68	
	73	46	8.6	19.09			73	69	5.8	19.09	
	64	53	7.5	21.96			64	79	5.1	21.96	
	53	64	6.2	26.50			53	95	4.2	26.50	
	51	67	6.0	27.61			51	99	4.0	27.61	
	47	72	5.6	29.65			47	107	3.7	29.65	
	42	81	4.9	33.49			42	121	3.3	33.49	
	39	87	4.6	35.87			39	129	3.1	35.87	
	37	91	4.4	38.29			37	135	3.0	38.29	
	32	104	3.8	43.88			32	155	2.6	43.88	
	29	116	3.4	49.09			29	173	2.3	49.09	
27	125	2.8	52.71	27	186	1.9	52.71				
25	132	3.0	55.45	25	196	2.0	55.45				
22	150	2.7	63.41	22	224	1.8	63.41				
19	175	2.3	73.64	19	260	1.5	73.64				
16	207	1.9	87.27	16	308	1.3	87.27				
TS7124 (1400 min ⁻¹)	14	238	1.7	100.33	ATS903	TS7134 TS8014 (1400 min ⁻¹)	14	354	1.1	100.33	ATS903
	11	299	1.3	125.89			11	444	0.9	125.89	
	11	312	1.3	131.65			11	464	0.9	131.65	
	10	332	1.2	139.88			10	493	0.8	139.88	
	9.3	358	1.1	151.07							
	8.4	394	1.0	166.13							
8.1	409	1.0	172.40								
 TS7124 (1400 min ⁻¹)	24	137	4.4	57.77	ATS912	 TS7134 (1400 min ⁻¹)	31	158	3.8	44.73	ATS912
	21	159	3.8	67.09			28	178	3.4	50.53	
	18	189	2.8	79.52			24	204	2.9	57.77	
TS7124 (1400 min ⁻¹)	17	195	3.1	82.28	ATS913	TS7134 TS8014 (1400 min ⁻¹)	17	290	2.1	82.28	ATS913
	15	223	2.7	93.96			15	331	1.8	93.96	
	14	241	2.5	101.41			14	358	1.7	101.41	
	11	291	2.1	122.61			11	432	1.4	122.61	
	11	312	1.9	131.41			11	463	1.3	131.41	
	9.5	349	1.7	147.13			11	463	1.3	131.41	
	8.9	373	1.6	157.08			9.5	519	1.2	147.13	
	7.4	451	1.3	189.92			8.9	554	1.1	157.08	
	6.9	483	1.2	203.55			8.9	554	1.1	157.08	
	6.1	541	1.1	227.91			7.4	670	0.9	189.92	
	4.7	700	0.9	294.88			6.9	718	0.8	203.55	






电机 Motors	TS	
	7124 7134	8014
IEC	71 B5 / B14	80 B5 / B14



ATS 平行轴式减速机 Helical parallel gearmotors

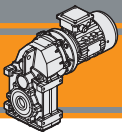
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
0.75						1.1							
TS7144  TS8024 (1400 min ⁻¹)	89	77	4.5	15.68	ATS902	TS8034 TS90S4 (1400 min ⁻¹)	47	214	1.9	29.65	ATS902		
	84	82	4.3	16.68			42	241	1.7	33.49			
	73	94	4.3	19.09			39	258	1.5	35.87			
	64	108	3.7	21.96			37	270	1.5	38.29			
	53	130	3.1	26.50			32	310	1.3	43.88			
	51	136	2.9	27.61			29	346	1.2	49.09			
	47	146	2.7	29.65			25	391	1.0	55.45			
	42	164	2.4	33.49			22	447	0.9	63.41			
	39	176	2.3	35.87									
	37	184	2.2	38.29				66	152	3.9		21.10	ATS912
	32	211	1.9	43.88				56	181	3.3		25.16	
	29	236	1.7	49.09				54	186	3.2		25.81	
	27	253	1.4	52.71				48	204	2.9		28.88	
	25	267	1.5	55.45				43	231	2.6		32.69	
		22	305	1.3			63.41		38	263		2.0	37.30
		19	354	1.1	73.64		35	282	2.1	39.98			
		16	420	1.0	87.27		31	315	1.9	44.73			
							28	356	1.7	50.53			
		43	157	3.8	32.69	ATS912	24	407	1.5	57.77			
		38	179	2.9	37.30		21	473	1.3	67.09			
	35	192	3.1	39.98									
	31	215	2.8	44.73			17	580	1.0	82.28	ATS913		
	28	243	2.5	50.53			15	663	0.9	93.96			
	24	278	2.2	57.77									
	21	323	1.9	67.09									
	18	382	1.4	79.52									
TS7144 TS8024 (1400 min ⁻¹)	17	396	1.5	82.28	ATS913		1.5						
	15	452	1.3	93.96			TS90L14 (1400 min ⁻¹)	239	58	3.5	5.87	ATS902	
	14	488	1.2	101.41		178		77	3.2	7.87			
	11	590	1.0	122.61		148		93	3.2	9.47			
	11	632	0.9	131.41		121		113	3.1	11.53			
				106	130	2.7		13.26					
1.1						89	154	2.3	15.68				
TS8034 TS90S4 (1400 min ⁻¹)	239	42	4.7	5.87	ATS902	84	164	2.1	16.68				
	178	57	4.4	7.87		73	188	2.1	19.09				
	148	68	4.4	9.47		64	216	1.9	21.96				
	121	83	4.2	11.53		53	260	1.5	26.50				
	106	96	3.7	13.26		51	271	1.5	27.61				
	89	113	3.1	15.68		47	291	1.4	29.65				
	84	120	2.9	16.68		42	329	1.2	33.49				
	73	138	2.9	19.09		39	352	1.1	35.87				
	64	158	2.5	21.96		37	368	1.1	38.29				
	53	191	2.1	26.50		32	422	0.9	43.88				
	51	199	2.0	27.61									
							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					

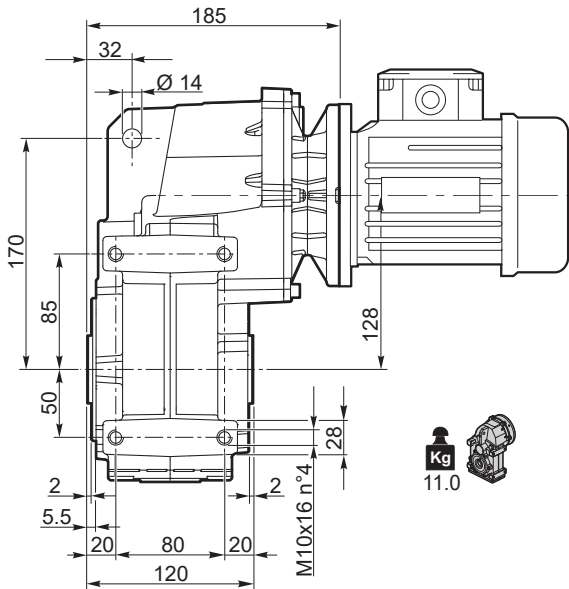


电机 Motors	TS		
	7144	8024 8034	90S4 90L14
IEC	71 B5 / B14	80 B5 / B14	90 B5 / B14

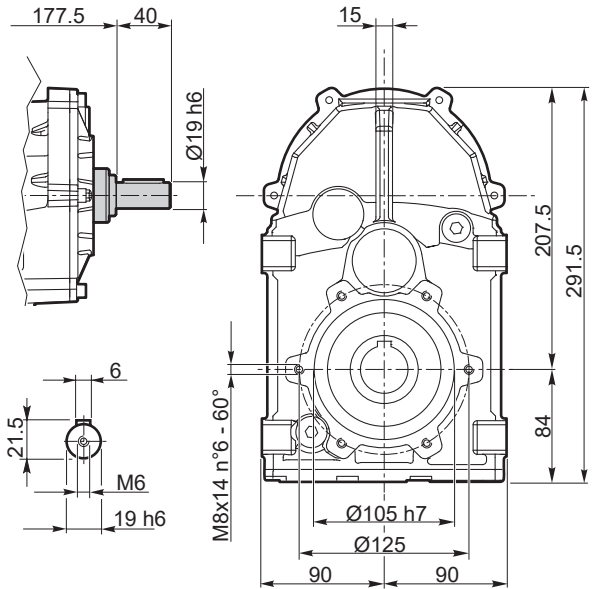


ATS 902

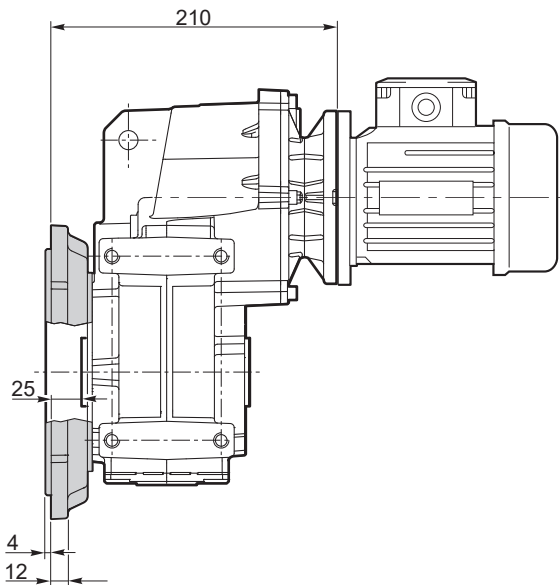
ATS 902 U..



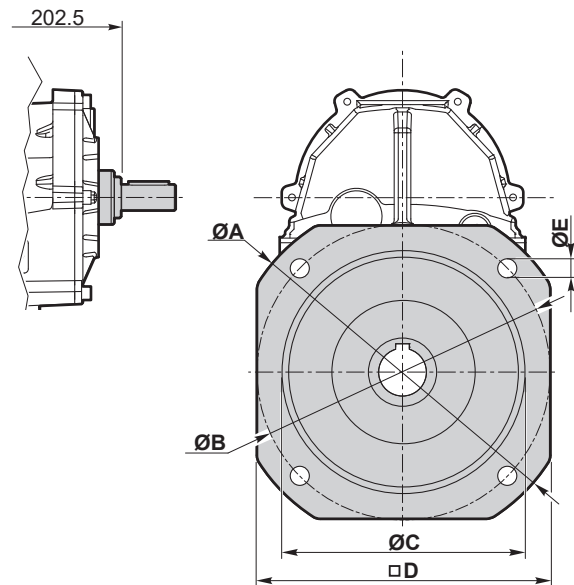
ATSIS 902 U..



ATS 902 F..

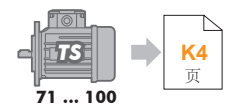
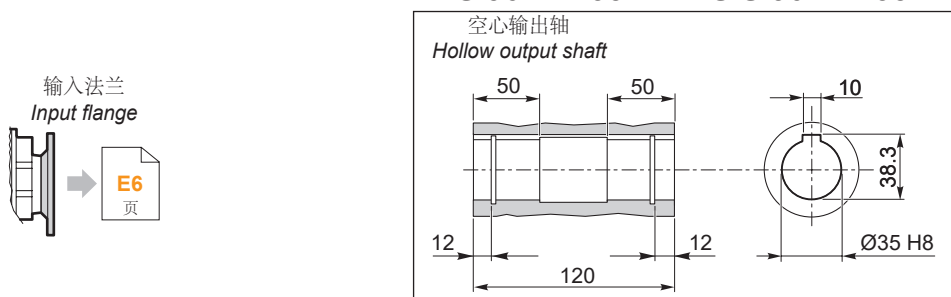


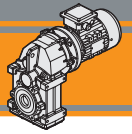
ATSIS 902 F..



F型 / F Version							
ATS ATSIS	ØA	ØB	ØC f7	□D	ØE	法兰 / Flange	
						类型 / Type	重量 / Weight [kg]
902	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

ATS 902.. D35 - ATSIS 902.. D35



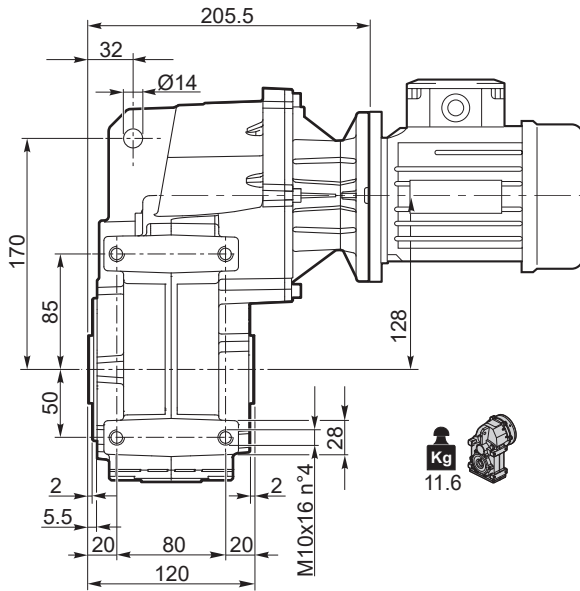


尺寸参数

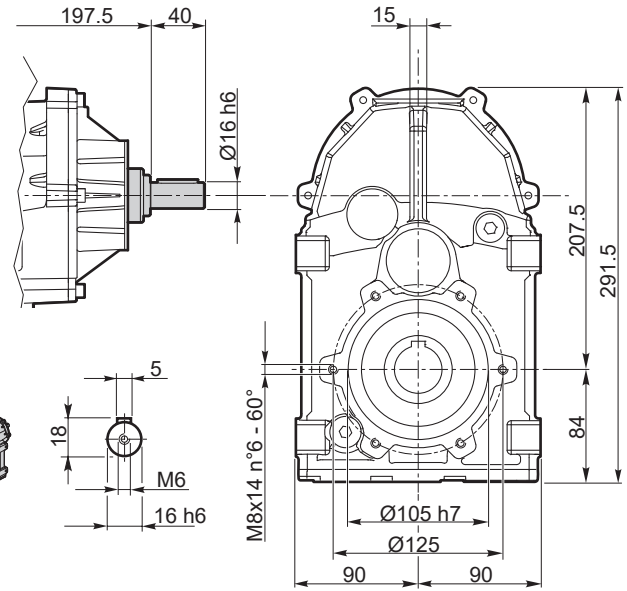
Dimensions

ATS 903

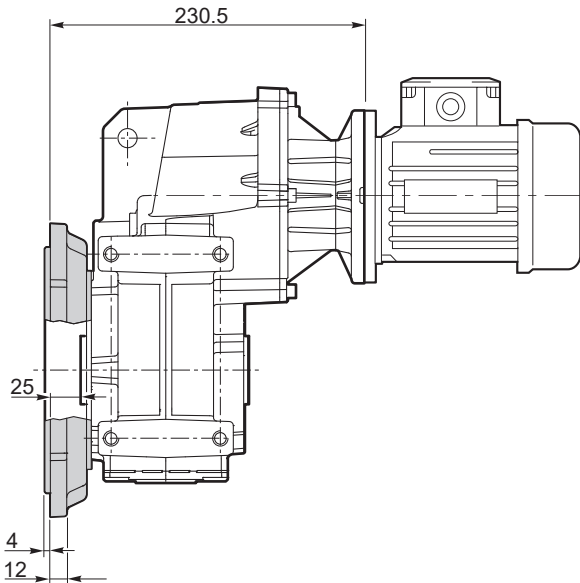
ATS 903 U..



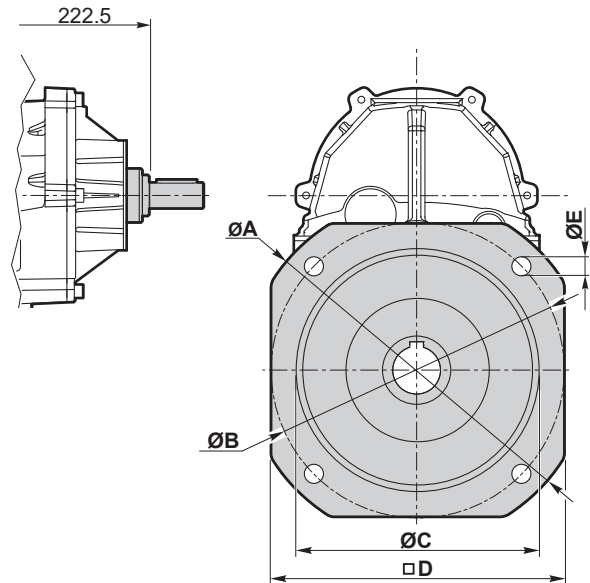
ATSIS 903 U..



ATS 903 F..

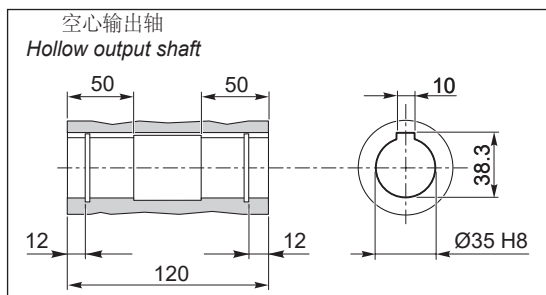


ATSIS 903 F..

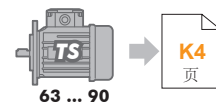


F型 / F Version							
ATS ATSIS	ØA	ØB	ØC f7	□D	ØE	法兰 / Flange	
						类型 / Type	重量 / Weight [kg]
903	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

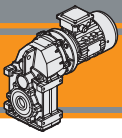
ATS 903.. D35 - ATSIS 903.. D35



输入法兰
Input flange

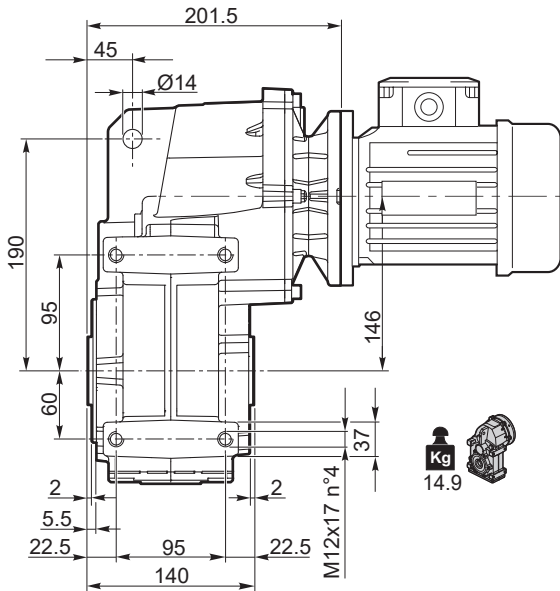


ATS

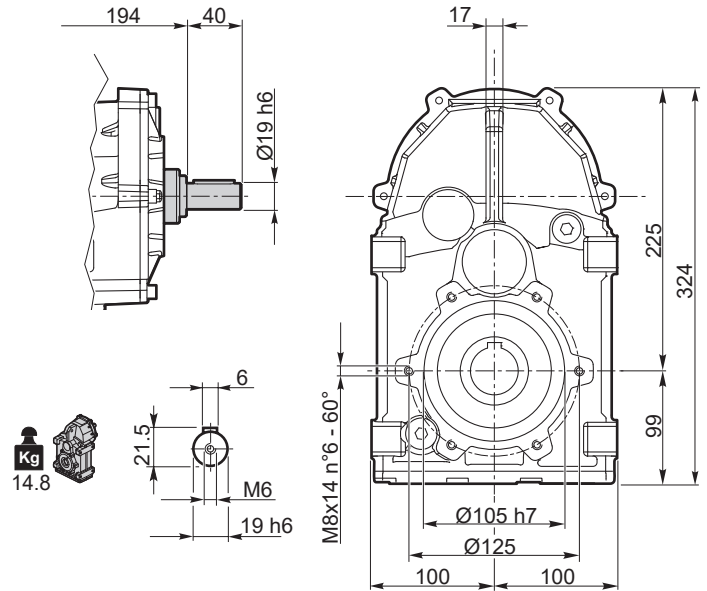


ATS 912

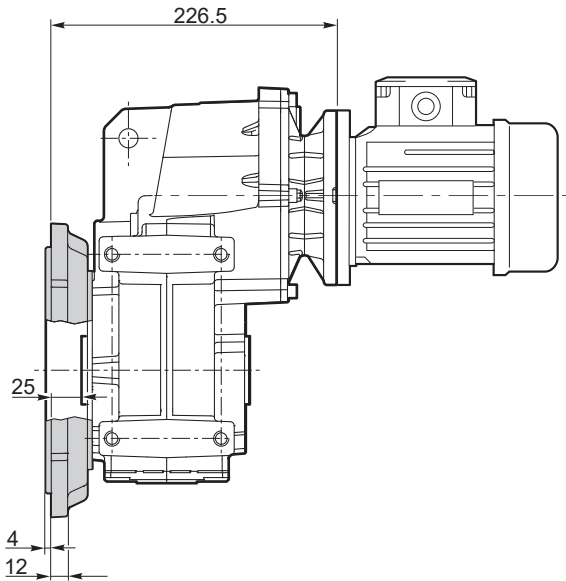
ATS 912 U..



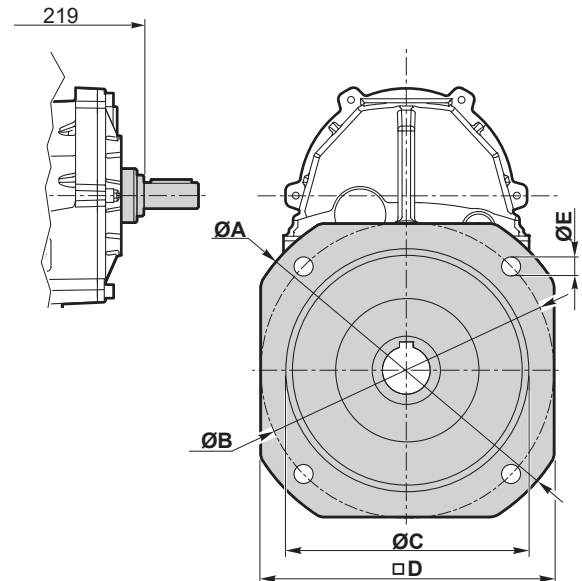
ATSIS 912 U..



ATS 912 F..

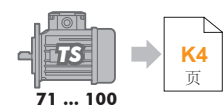
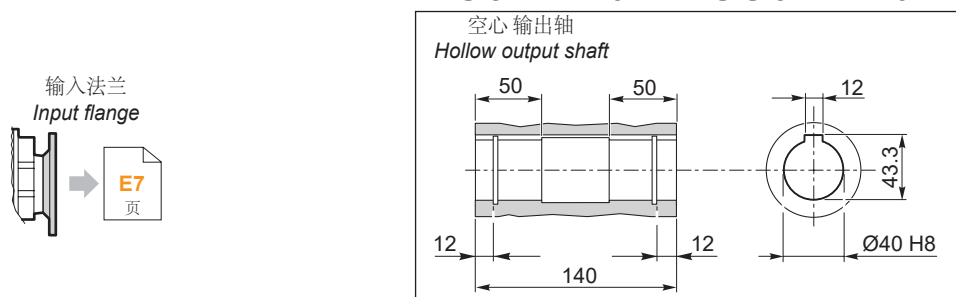


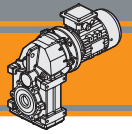
ATSIS 912 F..



F型 / F Version							
ATS ATSIS	ØA	ØB	ØC f7	□D	ØE	法兰 / Flange	
						类型 / Type	重量 / Weight [kg]
912	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

ATS 912.. D40 - ATSIS 912.. D40



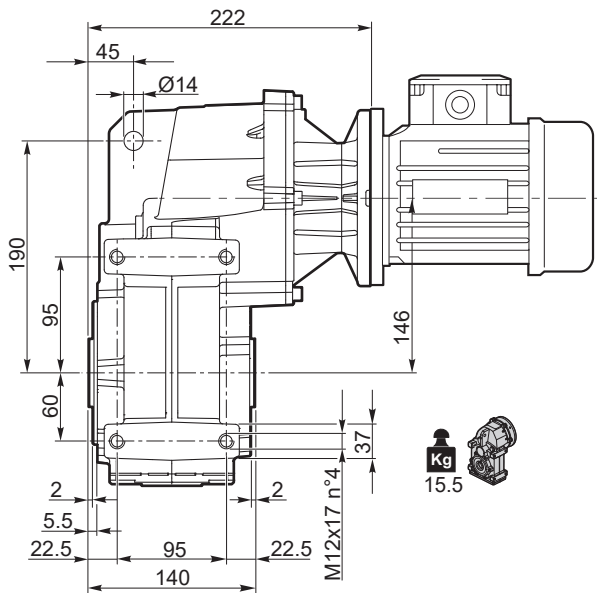


尺寸参数

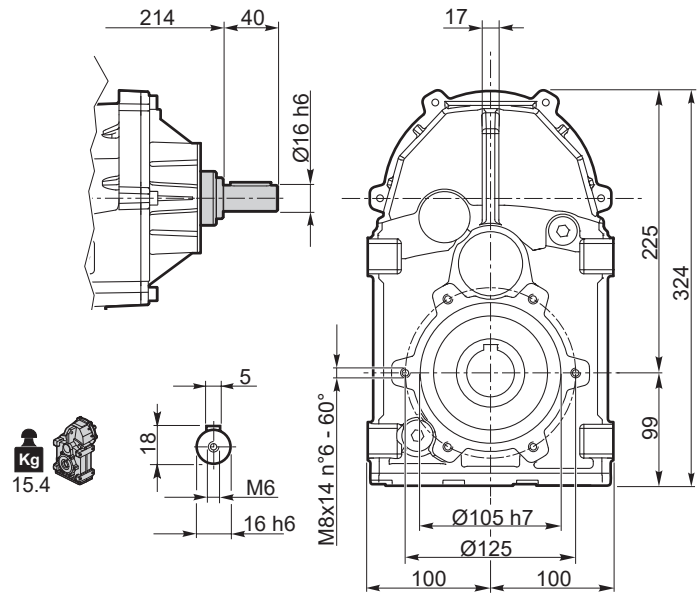
Dimensions

ATS 913

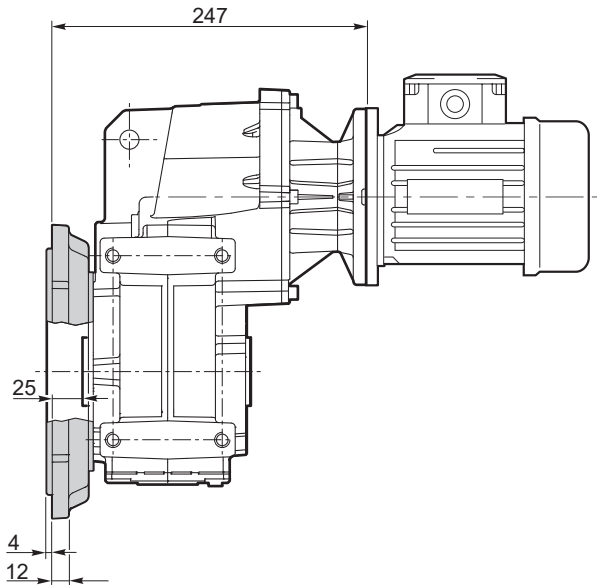
ATS 913 U..



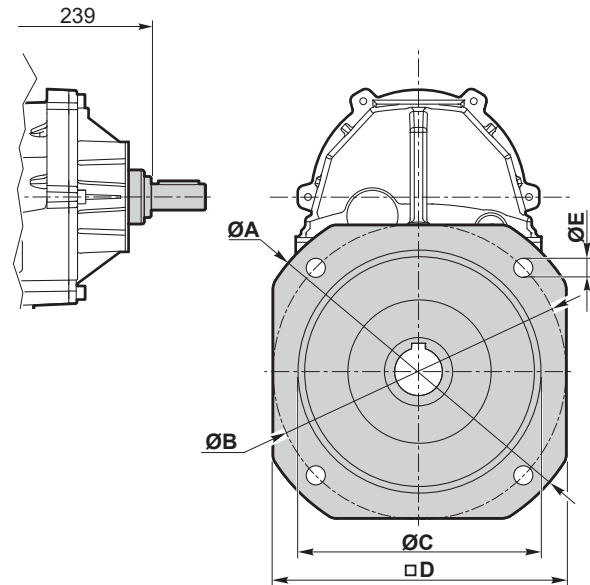
ATSIS 913 U..



ATS 913 F..

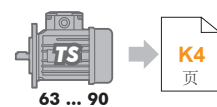
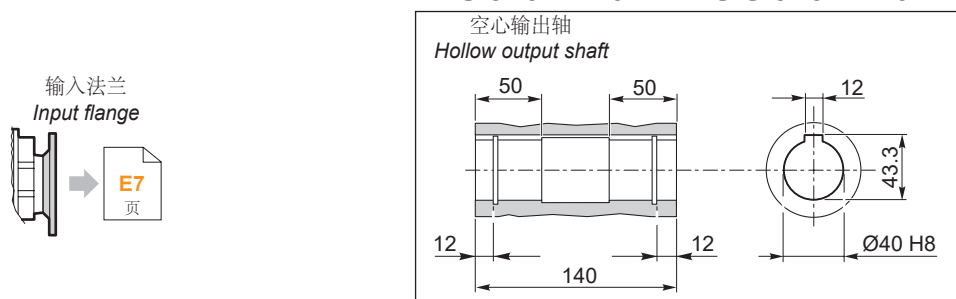


ATSIS 913 F..

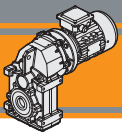


F型 / F Version						法兰 / Flange	
ATS ATSIS	ØA	ØB	ØC f7	□D	ØE	类型 / Type	重量 / Weight [kg]
913	200	165	130	165	11	F200	2
	250	215	180	215	14	F250	3.2

ATS 913.. D40 - ATSIS 913.. D40



ATS



附件

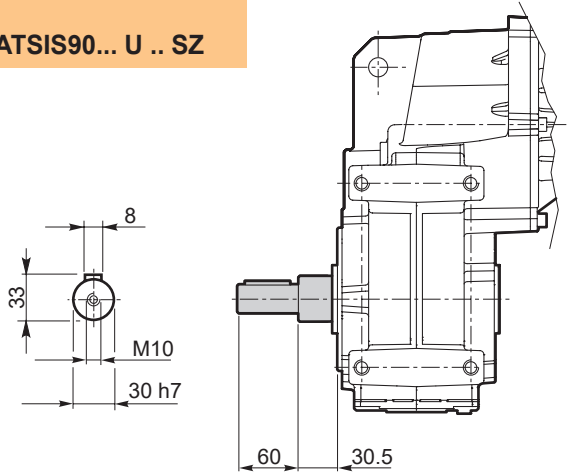
Accessories

单向输出轴

Single output shaft

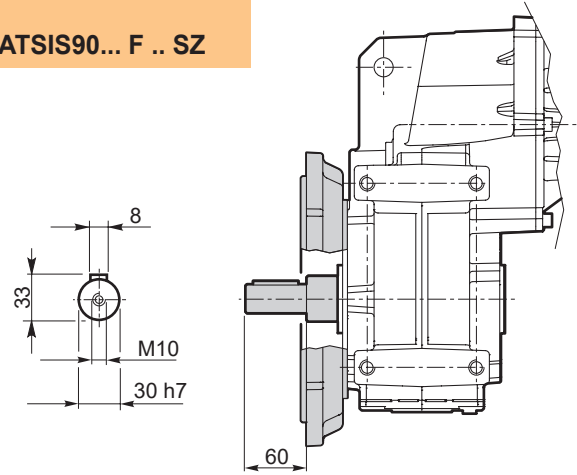
ATS90... U .. SZ

ATSIS90... U .. SZ



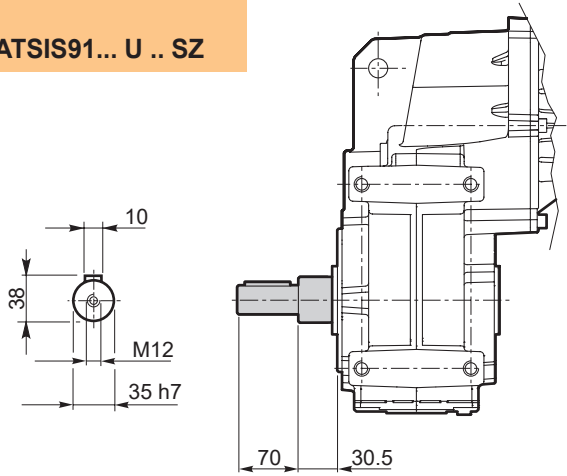
ATS90... F .. SZ

ATSIS90... F .. SZ



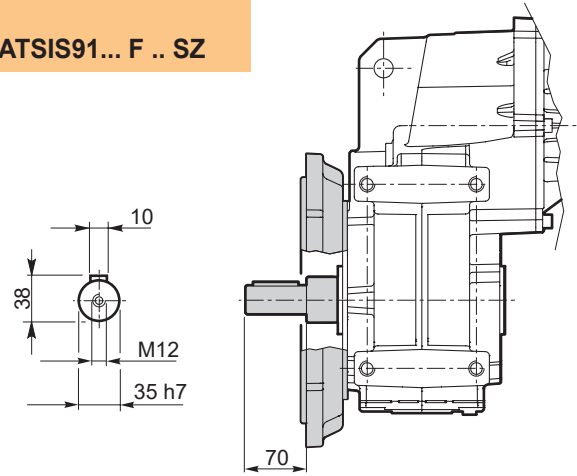
ATS91... U .. SZ

ATSIS91... U .. SZ



ATS91... F .. SZ

ATSIS91... F .. SZ

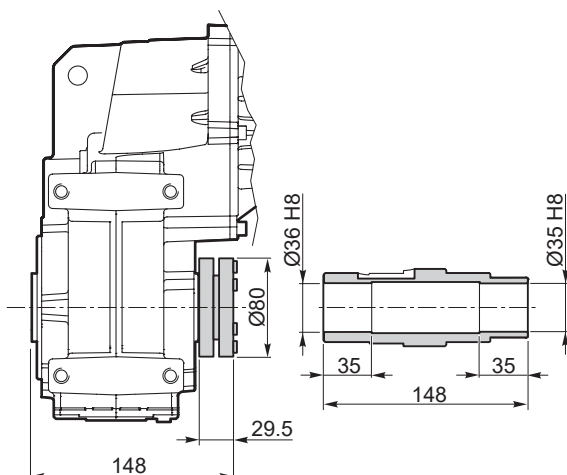


带锁紧盘的输出轴

Output shaft with shrink disk

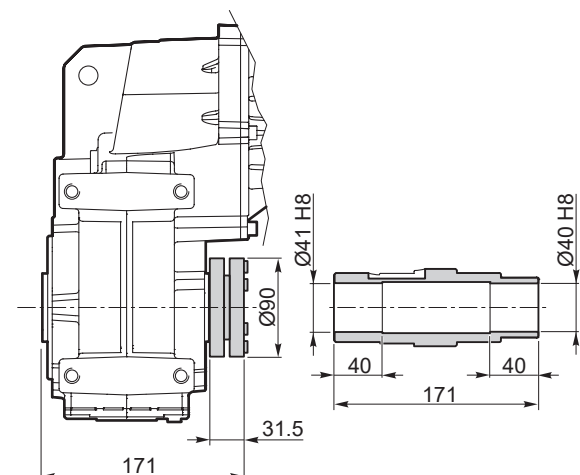
ATS90... U .. G35

ATSIS90... U .. G35



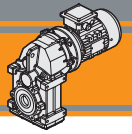
ATS91... U .. G40

ATSIS91... U .. G40



带锁紧盘中空输出轴可按需求订购：
装配指导请联系我司技术部门。

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



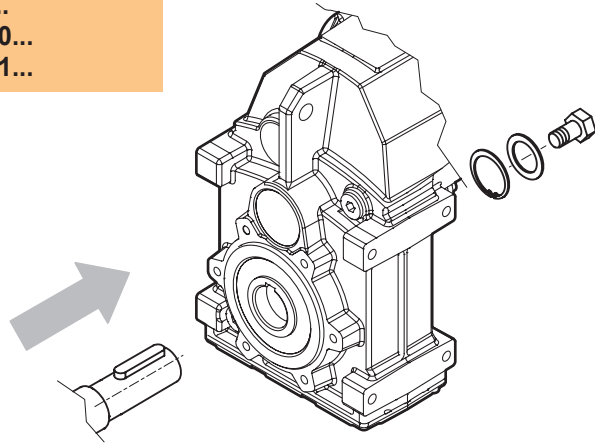
附件

Accessories

输出轴装配组件

Output shaft assembly kit

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



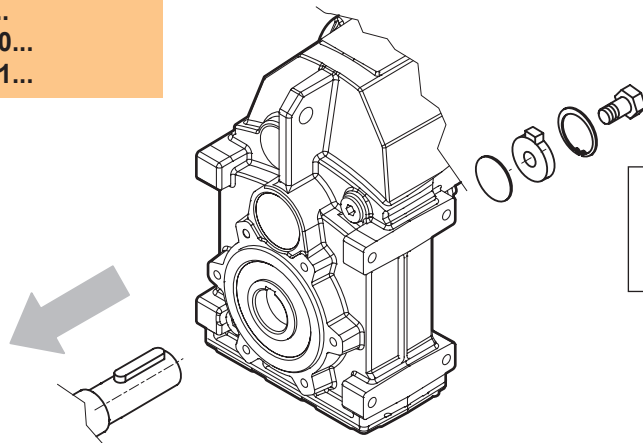
输出轴装配组件可按需求订购：装配指导请联系我司技术部门。

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

输出轴拆装组件

Output shaft disassembly kit

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



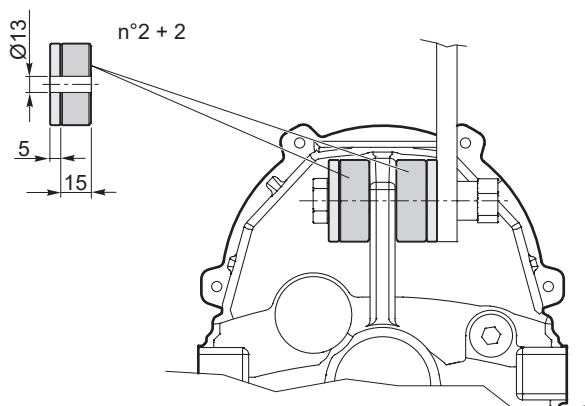
输出轴拆装组件可按需求订购：装配指导请联系我司技术部门。

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

扭力臂组件

Torque arm kit

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



扭力臂可按需求订购：装配指导请联系我司技术部门。

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

ATS

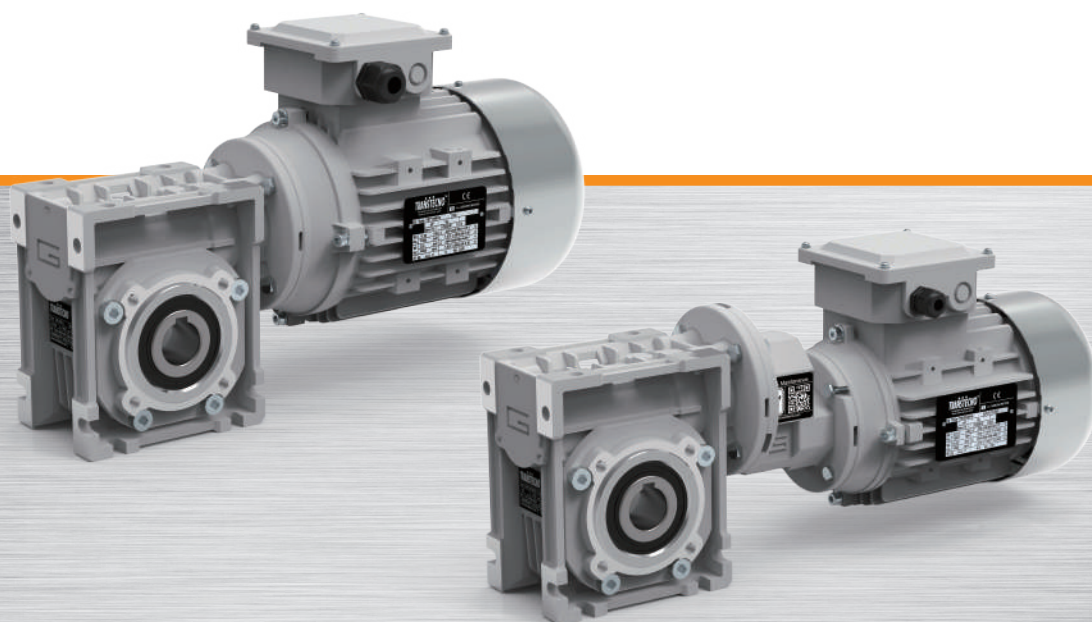
TRANSTECNO[®]
the modular gearmotor

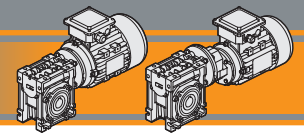
CM-CMP

CM-CMP



蜗轮蜗杆减速电机
Wormgearmotors

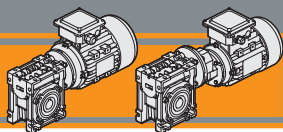




索引	<i>Index</i>	页码 <i>Page</i>
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效率	<i>Efficiency</i>	F7
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IEC电机适配法兰	<i>IEC Motor adapters</i>	F18
尺寸参数	<i>Dimensions</i>	F20
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可选项	<i>Options</i>	F35

该目录为最新版本，可替代以往的任何版本及修订。如果您是通过非正式渠道取得，不能保证是最新内容，可在本公司网站上查阅
www.transtecno.com

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CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

技术特征

Technical features

CM、CMP蜗轮蜗杆系列减速电机具有高度模块化的特点，且具有多种输入和输出配置。

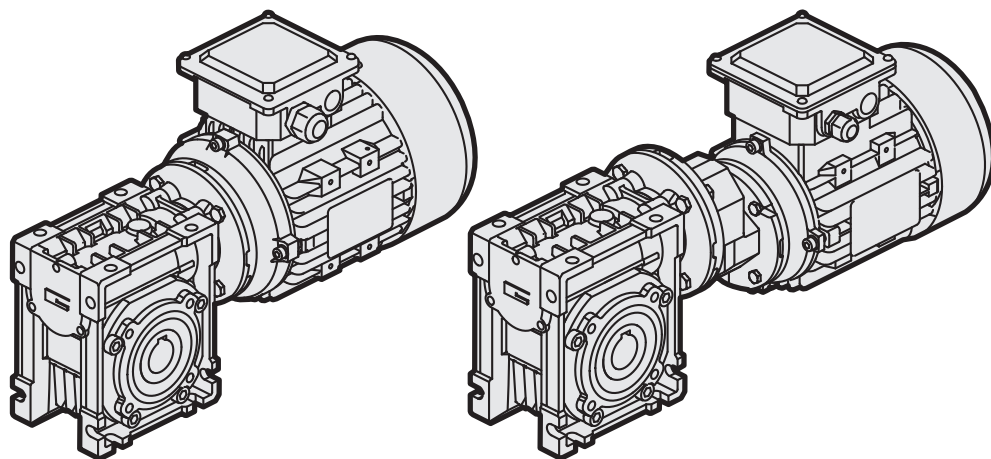
The high degree of modularity is a design feature of CM and CMP wormgearmotors range thanks to a wide selection of input and output kits.

Main features of CM and CMP range are:

CM、CMP蜗轮系列的主要特征:

- 型号CM026, 030, 040, 050, 063, 070, 075, 090和110使用压铸铝合金箱体，型号CM130使用铸铁箱体；
- 型号CM090, 110 和130使用成对圆锥滚柱轴承；
- 前置级使用压铸铝合金箱体；

- 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;



选型

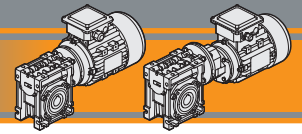
Classification

蜗轮蜗杆减速机 / WORMGEARBOXES


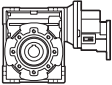
减速机 / GEARBOX

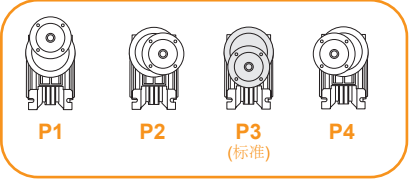
CM	050	U	10	71	B5	SZDX	BRSX	90	M1	VS
类型 Type	型号 Size	输出法兰型式 Gearbox Version	速比 Ratio	IEC 	法兰型号 costruttiva Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle	安装位置 Mounting position	可选项 Options
CM 	026 030 040 050 063 070 075 090 110 130	U F...	见表格 See tables	56.. — 132..	B5 B14	SZDX SZSX DZ	BRDX BRSX *	0° 90° 180° 270°	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M6 (B6) M5 (B7)	VS
CMIS 										
输出法兰型号 Gearbox Version			输出轴 Output shaft			扭力臂 Torque arm	*	角度 Angle		
U	F...D	F...S	SZDX	SZSX	DZ	BRDX	BRSX			

* 注意：扭力臂将不组装，单独提供。
NOTE: the torque arm will be supplied not assembled.





前置蜗轮蜗杆减速机组 / PRE-STAGE WORMGEARBOXES

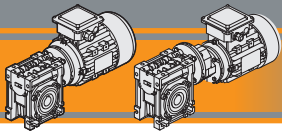
减速机 / GEARBOX											
CMP	063/050	U	90	63	B14	SZDX	BR SX	90	P4	M1	VS
类型 Type	型号 Size	输出法兰型号 Gearbox Version	速比 Ratio	IEC 	法兰型号 Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle	前置级 安装位置 Pre stage mounting position	安装位置 Mounting position	可选项 Options
	056/030	U F...	见表格 See tables	56.. — 80..	B5 B14	SZDX SZSX DZ	BRDX BR SX *	0° 90° 180° 270°	P1 P2 P3 (标准) P4	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M6 (B6) M5 (B7)	VS
	056/040										
	063/040										
	063/050										
	063/063										
	071/050										
	071/063										
	071/070										
	071/075										
	071/090										
	080/063										
	080/070										
	080/075										
	080/090										
	080/110										
	080/130										
	090/070										
	090/075										
090/090											
090/110											
090/130											



* 注意：扭力臂将不组装，单独提供。
NOTE: the torque arm will be supplied not assembled.

三相电机 / THREE PHASE MOTOR

TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS	 K1 页	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	



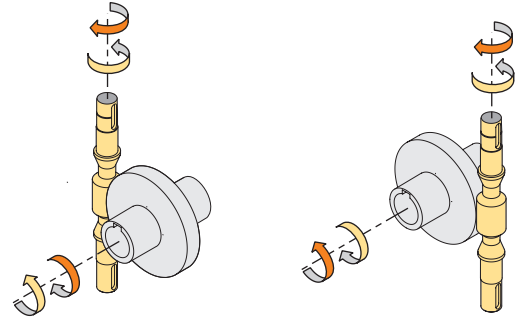
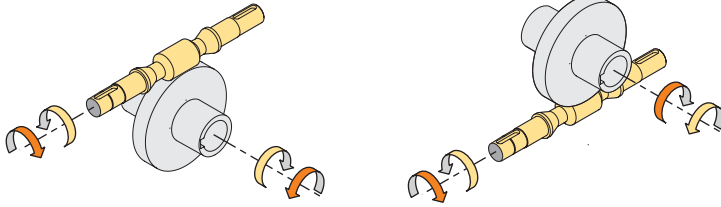
CM/CMP 蜗轮蜗杆减速电机

Wormgearmotors

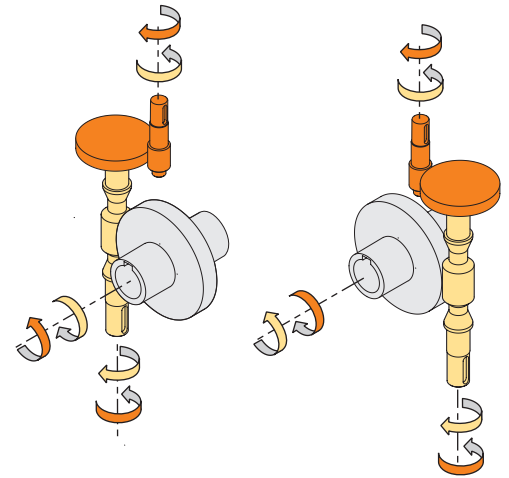
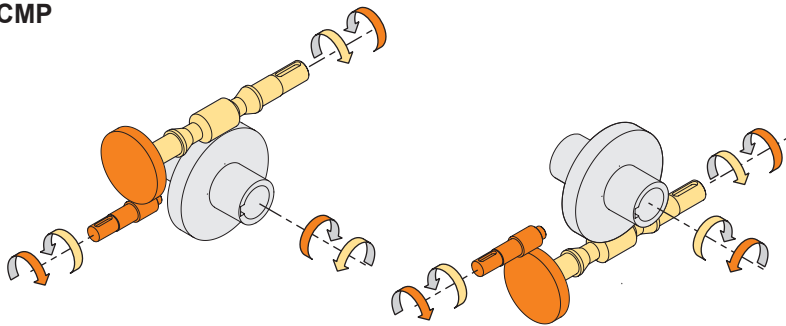
运转方向

Direction of rotation

CM




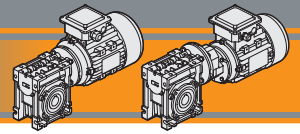
CMP



代号说明

Symbols

n_1	[min^{-1}]	输入转速 / Input speed	sf	服务系数 / Service factor
n_2	[min^{-1}]	输出转速 / Output speed	Rd	% 动态效率 / Dynamic efficiency
i		速比 / Ratio	Rs	% 静态效率 / Static efficiency
P_1	[kW]	输入功率 / Input power	R_2	[N] 输出端许用径向负荷 / Permitted output radial load
M_2	[Nm]	输出扭矩参照 P_1 / Output torque referred to P_1	A_2	[N] 输出端许用轴向负荷 / Permitted output axial load
P_{n1}	[kW]	额定输入功率 / Nominal input power	Z	蜗杆头数 / Worm starts
M_{n2}	[Nm]	额定输出扭矩参照 P_{n1} / Nominal output torque referred to P_{n1}	β	螺旋角 / Helix angle
 kg	[kg]	减速机重量 / Weight of the gearbox only		

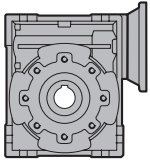


润滑油

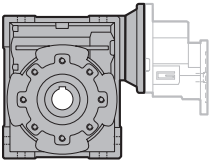
Lubrication

减速电机使用长寿命人工合成润滑油（粘度320），因为这个原因可以在任意位置安装，并免维护。

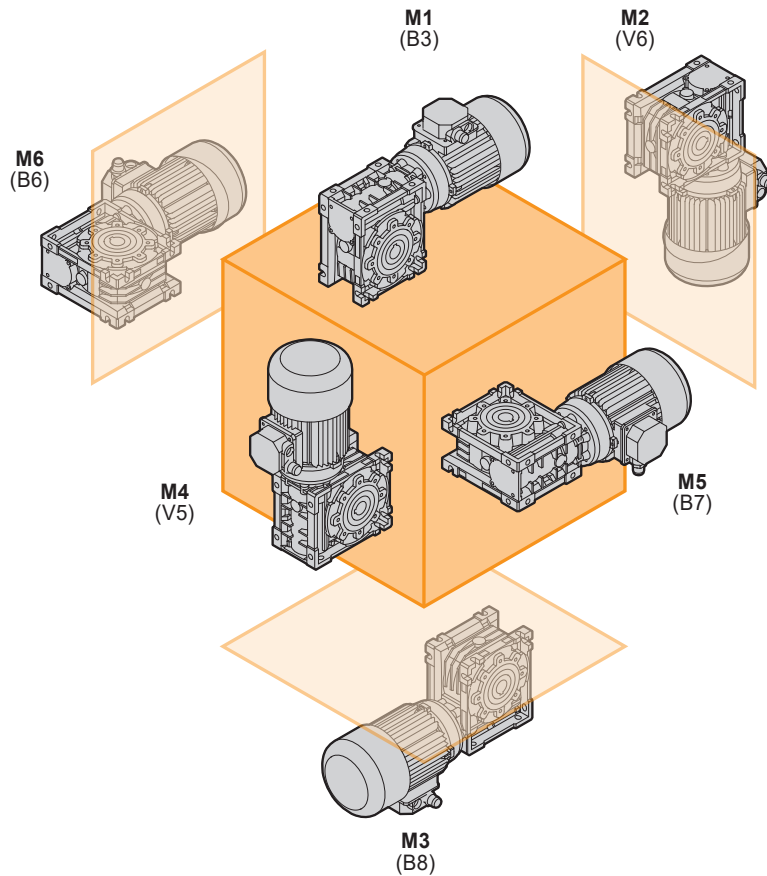
Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use the gearmotors in all mounting positions; for this reason they can be installed in any assembly position and do not require maintenance.



CM	油用量 (升) / 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

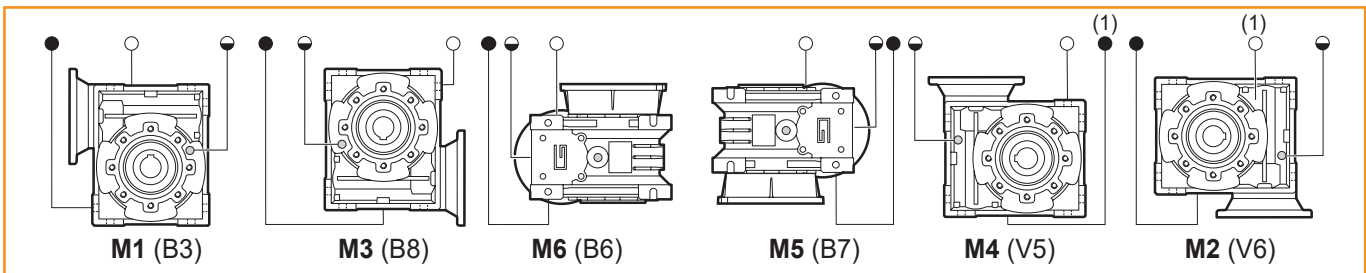


CMP	油用量 (升) / Oil quantity (litres)					
	M1 (B3)	M3 (B8)	M6 (B6)	M5 (B7)	M4 (V5)	M2 (V6)
080/130 - 090/130	4.5	3.3	3.5	3.5	4.5	3.3



CM/CMP

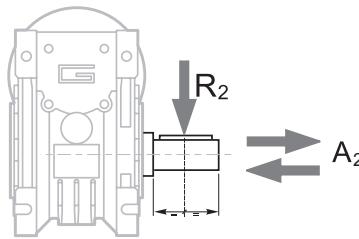
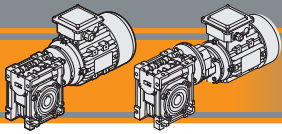
CM_CMP 130



(标准)

(1): 油塞位于背面 / Plug in backside position

- 透气加油孔 / Breather and filling plug
- 油镜 / Oil level plug
- 排油油塞 / Oil drain plug

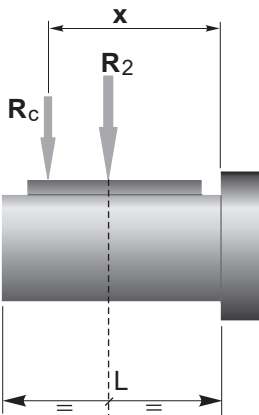


$$A_2 = R_2 \times 0.2$$

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	

当产生的径向负荷不是作用在传动轴伸出长度的中间位置，必须用以下公式来计算有效负荷：

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

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

$$R \leq R_c$$

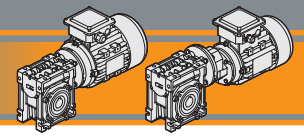
a, b = 图表中给出的值
a, b = values given in the table

注释：
径向负荷指的是 F34 页的输出轴。

Note:
Radial loads refer to output shafts at pag. F34.

注释：
对于双输出轴两侧施加的径向载荷，必须将轴两侧的表中数值减半。

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.



齿部参数

Toothing data

	蜗杆参数 Worm wheel data	速比 / 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'

效率

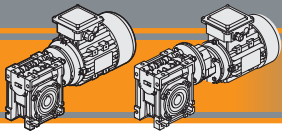
Efficiency

	n ₁ [min ⁻¹]	效率	速比 / 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



减速机的理论效率是在第一个运转周期之后。

Theoretical efficiency of the gearbox after the first running period





CM/CMP 蜗轮蜗杆减速电机

Wormgearmotors

技术参数

n_1 1400 min⁻¹

Technical data

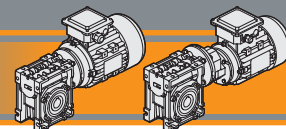
	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i		n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CMIS026					CMIS070				
	280	13	0.44	5		187	200	4.4	7.5
	187	14	0.33	7.5		140	218	3.7	10
	140	14	0.25	10		93	221	2.6	15
	93	14	0.18	15		70	202	1.8	20
	70	14	0.14	20		56	180	1.3	25
	47	15	0.11	30		47	241	1.6	30
	35	14	0.08	40		35	210	1.1	40
	28	13	0.07	50		28	190	0.82	50
	23	12	0.06	60		23	181	0.68	60
						18	159	0.49	80
						14	154	0.43	100
CMIS030					CMIS075				
	280	18	0.61	5		187	238	5.2	7.5
	187	20	0.46	7.5		140	257	4.3	10
	140	21	0.37	10		93	266	3.1	15
	93	21	0.26	15		70	242	2.1	20
	70	19	0.19	20		56	225	1.7	25
	56	20	0.16	25		47	289	1.8	30
	47	22	0.16	30		35	251	1.3	40
	35	20	0.12	40		28	227	0.96	50
	28	19	0.10	50		23	218	0.82	60
	23	17	0.08	60		18	193	0.59	80
	18	15	0.06	80		14	183	0.49	100
	14	14	0.05	100					
CMIS040					CMIS090				
	280	41	1.37	5		187	342	7.4	7.5
	187	44	1.00	7.5		140	380	6.2	10
	140	45	0.79	10		93	433	4.9	15
	93	45	0.54	15		70	414	3.6	20
	70	40	0.38	20		56	369	2.6	25
	56	38	0.30	25		47	493	3.0	30
	47	48	0.34	30		35	434	2.1	40
	35	42	0.24	40		28	385	1.5	50
	28	39	0.19	50		23	352	1.2	60
	23	36	0.15	60		18	324	0.92	80
	18	33	0.12	80		14	299	0.72	100
	14	31	0.10	100					
CMIS050					CMIS110				
	280	75	2.5	5		187	605	13	7.5
	187	79	1.8	7.5		140	669	11.0	10
	140	82	1.4	10		93	730	8.2	15
	93	82	0.98	15		70	740	6.0	20
	70	72	0.67	20		56	670	4.7	25
	56	70	0.54	25		47	815	4.9	30
	47	88	0.60	30		35	768	3.6	40
	35	76	0.42	40		28	699	2.7	50
	28	72	0.34	50		23	626	2.1	60
	23	69	0.28	60		18	562	1.5	80
	18	60	0.20	80		14	523	1.2	100
	14	56	0.17	100					
CMIS063					CMIS130				
	280	134	4.4	5		187	750	16.5	7.5
	187	144	3.2	7.5		140	820	13.7	10
	140	148	2.5	10		93	910	10.3	15
	93	154	1.8	15		70	910	7.9	20
	70	136	1.23	20		56	920	6.5	25
	56	135	1.0	25		47	1050	6.5	30
	47	166	1.1	30		35	1050	5.1	40
	35	142	0.74	40		28	970	3.8	50
	28	136	0.60	50		23	890	3.0	60
	23	126	0.49	60		18	830	2.2	80
	18	118	0.38	80		14	735	1.7	100
	14	116	0.33	100					

注释:

Pn_1 表示机械的输入功率, 由于温度等因素会有所减低。
更多详情请联系我们的技术部。

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.



技术参数

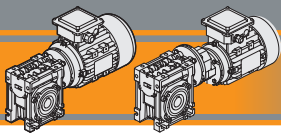
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i					P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.06 - IEC 56																	
TS5614	280	2	7.3	5	CM026			B14	TS5624	280	3	4.9	5	CM026			B14
(1400 min ⁻¹)	187	3	5.4	7.5	CM026			B14	(1400 min ⁻¹)	187	4	3.6	7.5	CM026			B14
	140	3	4.1	10	CM026			B14		140	5	2.7	10	CM026			B14
	93	5	2.9	15	CM026			B14		93	7	1.9	15	CM026			B14
	70	6	2.3	20	CM026			B14		70	9	1.5	20	CM026			B14
	47	8	1.9	30	CM026			B14		47	12	1.2	30	CM026			B14
	35	10	1.4	40	CM026			B14		35	15	0.9	40	CM026			B14
	28	12	1.1	50	CM026			B14									
	23	13	0.9	60	CM026			B14									
	280	2	10.2	5	CM030			B5/B14		280	3	6.8	5	CM030			B5/B14
	187	3	7.7	7.5	CM030			B5/B14		187	4	5.1	7.5	CM030			B5/B14
	140	3	6.1	10	CM030			B5/B14		140	5	4.1	10	CM030			B5/B14
	93	5	4.3	15	CM030			B5/B14		93	7	2.9	15	CM030			B5/B14
	70	6	3.1	20	CM030			B5/B14		70	9	2.1	20	CM030			B5/B14
	56	7	2.7	25	CM030			B5/B14		56	11	1.8	25	CM030			B5/B14
	47	8	2.7	30	CM030			B5/B14		47	12	1.8	30	CM030			B5/B14
	35	10	2.0	40	CM030			B5/B14		35	15	1.3	40	CM030			B5/B14
	28	12	1.6	50	CM030			B5/B14		28	18	1.1	50	CM030			B5/B14
	23	14	1.3	60	CM030			B5/B14		23	20	0.8	60	CM030			B5/B14
	23	16	1.6	60		CMP056/030		B14		23	24	1.1	60		CMP056/030		B14
	19	19	1.4	75		CMP056/030		B14		19	29	0.9	75		CMP056/030		B14
	18	16	1.0	80	CM030			B5/B14		16	32	1.0	90		CMP056/030		B14
	16	21	1.5	90		CMP056/030		B14		12	38	0.8	120		CMP056/030		B14
	14	18	0.8	100	CM030			B5/B14									
	12	26	1.1	120		CMP056/030		B14		35	16	2.6	40	CM040			B5/B14
	9.3	29	0.9	150		CMP056/030		B14		28	18	2.1	50	CM040			B5/B14
										23	21	1.7	60	CM040			B5/B14
										23	25	2.3	60		CMP056/040		B14
	28	12	3.2	50	CM040			B5/B14		19	30	1.7	75		CMP056/040		B14
	23	14	2.5	60	CM040			B5/B14		18	26	1.3	80	CM040			B5/B14
	23	17	3.4	60		CMP056/040		B14		16	34	2.1	90		CMP056/040		B14
	19	20	2.6	75		CMP056/040		B14		14	28	1.1	100	CM040			B5/B14
	18	17	1.9	80	CM040			B5/B14		12	42	1.5	120		CMP056/040		B14
	16	23	3.1	90		CMP056/040		B14		9.3	48	1.2	150		CMP056/040		B14
	14	19	1.6	100	CM040			B5/B14		7.8	53	1.0	180		CMP056/040		B14
	12	28	2.2	120		CMP056/040		B14		5.8	62	0.8	240		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									

CM/CMP









电机 Motors	TS
	5614 5624
IEC	56 B5 / B14



CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

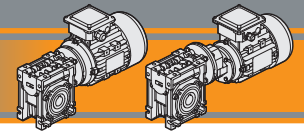
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.12 - IEC 63															
TS6314 (1400 min ⁻¹)	280	4	5.1	5	CM030										
	187	5	3.8	7.5	CM030										
	140	7	3.1	10	CM030										
	93	10	2.2	15	CM030										
	70	12	1.5	20	CM030										
	56	15	1.4	25	CM030										
	47	16	1.3	30	CM030										
	35	20	1.0	40	CM030										
	28	24	0.8	50	CM030										
	280	4	11.4	5	CM040										
	187	5	8.3	7.5	CM040										
	140	7	6.5	10	CM040										
	93	10	4.5	15	CM040										
	70	13	3.1	20	CM040										
	56	15	2.5	25	CM040										
	47	17	2.8	30	CM040										
	35	21	2.0	40	CM040										
	28	25	1.6	50	CM040										
	23	28	1.3	60	CM040										
	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								
0.18 - IEC 63															
TS6324 (1400 min ⁻¹)	280	5	3.4	5	CM030										
	187	8	2.6	7.5	CM030										
	140	10	2.0	10	CM030										
	93	15	1.4	15	CM030										
	70	18	1.0	20	CM030										
	56	22	0.9	25	CM030										
	47	25	0.9	30	CM030										
	280	5	7.6	5	CM040										
	187	8	5.6	7.5	CM040										
	140	10	4.4	10	CM040										
	93	15	3.0	15	CM040										
	70	19	2.1	20	CM040										
	56	23	1.7	25	CM040										
	47	26	1.9	30	CM040										
	35	32	1.3	40	CM040										
	28	37	1.1	50	CM040										
	23	43	0.8	60	CM040										
	23	51	1.1	60									CMP063/040	B14	
	19	60	0.9	75									CMP063/040	B14	
	16	68	1.0	90									CMP063/040	B14	
	35	33	2.3	40	CM050										
	28	39	1.9	50	CM050										
	23	44	1.6	60	CM050										
	23	51	2.0	60											
	19	60	1.5	75									CMP063/050	B14	
	18	53	1.1	80	CM050								CMP063/050	B14	
	16	70	1.8	90									CMP063/050	B14	
	14	60	0.9	100	CM050								CMP063/050	B5/B14	
	12	85	1.3	120									CMP063/050	B14	
	9.3	99	1.0	150									CMP063/050	B14	
	7.8	110	0.9	180									CMP063/050	B14	
	23	46	2.7	60	CM063										
	23	53	3.6	60											
	19	63	2.7	75									CMP063/063	B14	
	18	56	2.1	80	CM063										
	16	69	3.4	90									CMP063/063	B14	
	14	64	1.8	100	CM063										
	12	87	2.4	120											
	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	


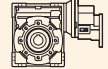


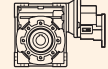



电机 Motors	TS
	6314 6324
IEC	63 B5 / B14



技术参数

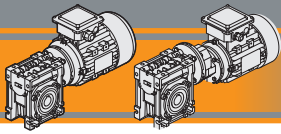
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.25 - IEC 63								0.25 - IEC 71							
TS6334 (1400 min ⁻¹)	280	7.3	2.5	5	CM030		B5/B14	TS7114 (1400 min ⁻¹)	70	27	2.7	20	CM050		B5/B14
	187	11	1.8	7.5	CM030		B5/B14		56	32	2.2	25	CM050		B5/B14
	140	14	1.5	10	CM030		B5/B14		47	37	2.4	30	CM050		B5/B14
	93	20	1.0	15	CM030		B5/B14		35	46	1.7	40	CM050		B5/B14
	280	7.5	5.5	5	CM040		B5/B14		28	54	1.3	50	CM050		B5/B14
	187	11	4.0	7.5	CM040		B5/B14		23	61	1.1	60	CM050		B5/B14
	140	14	3.1	10	CM040		B5/B14		23	71	1.4	60		CMP071/050	B14
	93	21	2.2	15	CM040		B5/B14		19	84	1.1	75		CMP071/050	B14
	70	27	1.5	20	CM040		B5/B14		18	74	0.8	80	CM050		B5/B14
	56	32	1.2	25	CM040		B5/B14		16	98	1.3	90		CMP071/050	B14
	47	36	1.3	30	CM040		B5/B14								
	35	44	0.9	40	CM040		B5/B14		28	56	2.4	50	CM063		B5
	28	51	0.8	50	CM040		B5/B14		23	64	2.0	60	CM063		B5
									23	73	2.6	60		CMP071/063	B14
									19	88	2.0	75		CMP071/063	B14
	70	27	2.7	20	CM050		B5/B14		18	78	1.5	80	CM063		B5
	56	32	2.2	25	CM050		B5/B14		16	96	2.4	90		CMP071/063	B14
	47	37	2.4	30	CM050		B5/B14		14	89	1.3	100	CM063		B5
	35	46	1.7	40	CM050		B5/B14		12	120	1.7	120		CMP071/063	B14
	28	54	1.3	50	CM050		B5/B14		9.3	143	1.3	150		CMP071/063	B14
	23	61	1.1	60	CM050		B5/B14		7.8	159	1.1	180		CMP071/063	B14
	23	71	1.4	60		CMP063/050	B14								
	19	84	1.1	75		CMP063/050	B14		18	82	1.9	80	CM070		B5
	18	74	0.8	80	CM050		B5/B14		16	99	3.1	90		CMP071/070	B14
	16	98	1.3	90		CMP063/050	B14		14	90	1.7	100	CM070		B5
									12	122	2.2	120		CMP071/070	B14
	28	56	2.4	50	CM063		B5		9.3	143	1.8	150		CMP071/070	B14
	23	64	2.0	60	CM063		B5		7.8	159	1.4	180		CMP071/070	B14
	23	73	2.6	60		CMP063/063	B14		5.8	189	1.1	240		CMP071/070	B14
	19	88	2.0	75		CMP063/063	B14		4.7	211	1.0	300		CMP071/070	B14
	18	78	1.5	80	CM063		B5								
	16	96	2.4	90		CMP063/063	B14		18	82	2.4	80	CM075		B5
	14	89	1.3	100	CM063		B5		16	101	4.0	90		CMP071/075	B14
	12	120	1.7	120		CMP063/063	B14		14	96	1.9	100	CM075		B5
	9.3	143	1.3	150		CMP063/063	B14		12	124	2.9	120		CMP071/075	B14
	7.8	159	1.1	180		CMP063/063	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

CM/CMP



电机 Motors	TS	
	6334	7114
IEC	63 B5 / B14	71 B5 / B14









CM/CMP 蜗轮蜗杆减速电机

Wormgearmotors

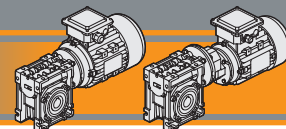
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.37 - IEC 71								0.55 - IEC 71								
TS7124 (1400 min ⁻¹)	280	11	3.7	5	CM040			TS7134 (1400 min ⁻¹)	280	17	2.5	5	CM040			B5/B14
	187	16	2.7	7.5	CM040				187	24	1.8	7.5	CM040			B5/B14
	140	21	2.1	10	CM040				140	32	1.4	10	CM040			B5/B14
	93	31	1.5	15	CM040				93	46	1.0	15	CM040			B5/B14
	70	39	1.0	20	CM040								CM050			B5/B14
	56	47	0.8	25	CM040				140	32	2.6	10	CM050			B5/B14
	47	53	0.9	30	CM040				93	46	1.8	15	CM050			B5/B14
									70	59	1.2	20	CM050			B5/B14
	93	31	2.6	15	CM050				56	71	1.0	25	CM050			B5/B14
	70	40	1.8	20	CM050				47	81	1.1	30	CM050			B5/B14
	56	48	1.5	25	CM050				35	101	0.8	40	CM050			B5/B14
	47	55	1.6	30	CM050											
	35	68	1.1	40	CM050				70	61	2.2	20	CM063			B5/B14
	28	80	0.9	50	CM050				56	73	1.8	25	CM063			B5/B14
	23	91	0.8	60	CM050				47	84	2.0	30	CM063			B5/B14
	23	105	1.0	60		CMP071/050	B14		35	105	1.4	40	CM063			B5/B14
	16	145	0.9	90		CMP071/050	B14		28	124	1.1	50	CM063			B5/B14
									23	142	0.9	60	CM063			B5/B14
	35	71	2.0	40	CM063				23	161	1.2	60		CMP071/063	B14	
	28	83	1.6	50	CM063				19	193	0.9	75		CMP071/063	B14	
	23	95	1.3	60	CM063				16	212	1.1	90		CMP071/063	B14	
	23	108	1.7	60		CMP071/063	B14									
	19	130	1.3	75		CMP071/063	B14		56	75	2.4	25	CM070			B5
	18	115	1.0	80	CM063				35	108	1.9	40	CM070			B5
	16	142	1.6	90		CMP071/063	B14		28	128	1.5	50	CM070			B5
	14	131	0.9	100	CM063				23	146	1.2	60	CM070			B5
	12	178	1.2	120		CMP071/063	B14		23	163	1.7	60		CMP071/070	B14	
	9.3	211	0.9	150		CMP071/063	B14		19	196	1.3	75		CMP071/070	B14	
									18	180	0.9	80	CM070			B5
	28	86	2.2	50	CM070				16	218	1.6	90		CMP071/070	B14	
	23	98	1.8	60	CM070				12	269	1.1	120		CMP071/070	B14	
	23	110	2.6	60		CMP071/070	B14		9.3	314	0.9	150		CMP071/070	B14	
	19	132	1.9	75		CMP071/070	B14									
	18	121	1.3	80	CM070				35	110	2.3	40	CM075			B5
	16	147	2.3	90		CMP071/070	B14		28	129	1.8	50	CM075			B5
	14	134	1.2	100	CM070				23	149	1.5	60	CM075			B5
	12	181	1.7	120		CMP071/070	B14		23	165	2.0	60		CMP071/075	B14	
	9.3	211	1.3	150		CMP071/070	B14		19	199	1.5	75		CMP071/075	B14	
	7.8	236	1.1	180		CMP071/070	B14		18	180	1.1	80	CM075			B5
									16	222	1.8	90		CMP071/075	B14	
	28	87	2.6	50	CM075				14	210	0.9	100	CM075			B5
	23	100	2.2	60	CM075				12	274	1.3	120		CMP071/075	B14	
	23	111	3.0	60		CMP071/075	B14		9.3	320	1.0	150		CMP071/075	B14	
	19	134	2.2	75		CMP071/075	B14		7.8	357	0.9	180		CMP071/075	B14	
	18	121	1.6	80	CM075											
	16	149	2.7	90		CMP071/075	B14		18	192	1.7	80	CM090			B5
	14	141	1.3	100	CM075				16	232	3.0	90		CMP071/090	B14	
	12	184	2.0	120		CMP071/075	B14		14	225	1.3	100	CM090			B5
	9.3	215	1.5	150		CMP071/075	B14		12	287	2.2	120		CMP071/090	B14	
	7.8	240	1.3	180		CMP071/075	B14		9.3	336	1.6	150		CMP071/090	B14	
	5.8	285	0.9	240		CMP071/075	B14		7.8	390	1.3	180		CMP071/090	B14	
									5.8	459	1.0	240		CMP071/090	B14	
	18	129	2.5	80	CM090											
	14	151	2.0	100	CM090											
	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									



电机 Motors	TS
	7124 7134
IEC	71 B5 / B14



技术参数

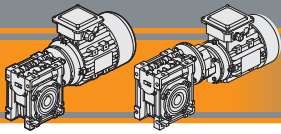
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i					P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.55 - IEC 80									0.75 - IEC 71								
TS8014 (1400 min ⁻¹)	140	32	2.6	10	CM050			B5/B14	TS7144 (1400 min ⁻¹)	280	23	1.8	5	CM040			B5/B14
	93	46	1.8	15	CM050			B5/B14		187	33	1.3	7.5	CM040			B5/B14
	70	59	1.2	20	CM050			B5/B14		140	43	1.0	10	CM040			B5/B14
	56	71	1.0	25	CM050			B5/B14									
	47	81	1.1	30	CM050			B5/B14									
										280	23	3.3	5	CM050			B5/B14
										187	33	2.4	7.5	CM050			B5/B14
	70	61	2.2	20	CM063			B5/B14		140	43	1.9	10	CM050			B5/B14
	56	73	1.8	25	CM063			B5/B14		93	63	1.3	15	CM050			B5/B14
	47	84	2.0	30	CM063			B5/B14		70	81	0.9	20	CM050			B5/B14
	35	105	1.4	40	CM063			B5/B14		47	111	0.8	30	CM050			B5/B14
	28	124	1.1	50	CM063			B5/B14									
	23	142	0.9	60	CM063			B5/B14		93	64	2.4	15	CM063			B5/B14
	23	161	1.2	60		CMP080/063	B14		70	83	1.6	20	CM063			B5/B14	
	19	193	0.9	75		CMP080/063	B14		56	100	1.4	25	CM063			B5/B14	
	16	212	1.1	90		CMP080/063	B14		47	115	1.4	30	CM063			B5/B14	
									35	143	1.0	40	CM063			B5/B14	
	56	75	2.4	25	CM070			B5/B14		28	169	0.8	50	CM063			B5/B14
	35	108	1.9	40	CM070			B5/B14		23	220	0.9	60		CMP071/063	B14	
	28	128	1.5	50	CM070			B5/B14									
	23	146	1.2	60	CM070			B5/B14		56	102	1.8	25	CM070			B5
	23	163	1.7	60		CMP080/070	B14		47	118	2.1	30	CM070			B5	
	19	196	1.3	75		CMP080/070	B14		35	149	1.4	40	CM070			B5	
	18	180	0.9	80	CM070			B5/B14		28	177	1.1	50	CM070			B5
	16	218	1.6	90		CMP080/070	B14		23	203	0.9	60	CM070			B5	
	12	269	1.1	120		CMP080/070	B14		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	110	2.3	40	CM075			B5/B14									
	28	129	1.8	50	CM075			B5/B14		35	149	1.7	40	CM075			B5
	23	149	1.5	60	CM075			B5/B14		28	177	1.3	50	CM075			B5
	23	165	2.0	60		CMP080/075	B14		23	203	1.1	60	CM075			B5	
	19	199	1.5	75		CMP080/075	B14		23	226	1.5	60		CMP071/075	B14		
	18	180	1.1	80	CM075			B5/B14		19	271	1.1	75		CMP071/075	B14	
	16	222	1.8	90		CMP080/075	B14		18	246	0.8	80	CM075			B5	
	14	210	0.9	100	CM075			B5/B14		16	302	1.3	90		CMP071/075	B14	
	12	274	1.3	120		CMP080/075	B14		12	373	1.0	120		CMP071/075	B14		
	9.3	320	1.0	150		CMP080/075	B14										
									28	184	2.1	50	CM090				B5
	18	192	1.7	80	CM090			B5/B14		23	212	1.6	60	CM090			B5
	16	232	3.0	90		CMP080/090	B14		23	235	2.4	60		CMP071/090	B14		
	14	225	1.3	100	CM090			B5/B14		19	282	1.8	75		CMP071/090	B14	
	12	287	2.2	120		CMP080/090	B14		18	262	1.2	80	CM090			B5	
	9.3	336	1.6	150		CMP080/090	B14		16	316	2.2	90		CMP071/090	B14		
	7.8	390	1.3	180		CMP080/090	B14		14	307	1.0	100	CM090			B5	
	5.8	459	1.0	240		CMP080/090	B14		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		
	18	204	2.8	80	CM110			B5									
	14	240	2.2	100	CM110			B5									
	9.3	358	2.8	150		CMP080/110	B14										
	7.8	410	2.2	180		CMP080/110	B14										
	5.8	503	1.5	240		CMP080/110	B14										
	4.7	574	1.2	300		CMP080/110	B14										
	7.8	424	2.6	180		CMP080/130	B14										
	5.8	512	1.9	240		CMP080/130	B14										
	4.7	585	1.5	300		CMP080/130	B14										

CM/CMP



电机 Motors	TS	
	7144	8014
IEC	71 B5 / B14	80 B5 / B14



CM/CMP 蜗轮蜗杆减速电机

Wormgearmotors

技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
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P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
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0.75 - IEC 80

TS8024 (1400 min ⁻¹)	280	23	3.3	5	CM050		B5/B14
	187	33	2.4	7.5	CM050		B5/B14
	140	43	1.9	10	CM050		B5/B14
	93	63	1.3	15	CM050		B5/B14
	70	81	0.9	20	CM050		B5/B14
	47	111	0.8	30	CM050		B5/B14
	93	64	2.4	15	CM063		B5/B14
	70	83	1.6	20	CM063		B5/B14
	56	100	1.4	25	CM063		B5/B14
	47	115	1.4	30	CM063		B5/B14
35	143	1.0	40	CM063		B5/B14	
28	169	0.8	50	CM063		B5/B14	
23	220	0.9	60		CMP080/063	B14	
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	
35	156	2.8	40	CM090		B5/B14	
28	184	2.1	50	CM090		B5/B14	
23	212	1.6	60	CM090		B5/B14	
23	235	2.4	60		CMP080/090	B14	
19	282	1.8	75		CMP080/090	B14	
18	262	1.2	80	CM090		B5/B14	
16	316	2.2	90		CMP080/090	B14	
14	307	1.0	100	CM090		B5/B14	
12	391	1.6	120		CMP080/090	B14	
9.3	459	1.2	150		CMP080/090	B14	
7.8	535	0.9	180		CMP080/090	B14	

0.75 - IEC 80

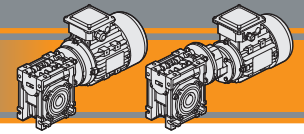
TS8024 (1400 min ⁻¹)	23	224	2.8	60	CM110		B5
	19	293	3.1	75		CMP080/110	B14
	18	278	2.0	80	CM110		B5
	16	325	3.5	90		CMP080/110	B14
	14	327	1.6	100	CM110		B5
	12	415	2.6	120		CMP080/110	B14
	9.3	489	2.0	150		CMP080/110	B14
	7.8	560	1.6	180		CMP080/110	B14
	5.8	686	1.1	240		CMP080/110	B14
	4.7	782	0.9	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

TS8034 (1400 min ⁻¹)	280	33	2.2	5	CM050		B5/B14
	187	49	1.6	7.5	CM050		B5/B14
	140	64	1.3	10	CM050		B5/B14
	93	92	0.9	15	CM050		B5/B14
	280	34	4.0	5	CM063		B5/B14
	187	50	2.9	7.5	CM063		B5/B14
	140	65	2.3	10	CM063		B5/B14
	93	95	1.6	15	CM063		B5/B14
	70	122	1.1	20	CM063		B5/B14
	56	146	0.9	25	CM063		B5/B14
47	169	1.0	30	CM063		B5/B14	
93	95	2.3	15	CM070		B5/B14	
70	125	1.6	20	CM070		B5/B14	
56	150	1.2	25	CM070		B5/B14	
47	173	1.4	30	CM070		B5/B14	
35	219	1.0	40	CM070		B5/B14	
23	326	0.9	60		CMP080/070	B14	
70	125	1.9	20	CM075		B5/B14	
56	150	1.5	25	CM075		B5/B14	
47	173	1.7	30	CM075		B5/B14	
35	219	1.1	40	CM075		B5/B14	
28	259	0.9	50	CM075		B5/B14	
23	331	1.0	60		CMP080/075	B14	
19	397	0.8	75		CMP080/075	B14	
16	443	0.9	90		CMP080/075	B14	
35	228	1.9	40	CM090		B5/B14	
28	270	1.4	50	CM090		B5/B14	
23	311	1.1	60	CM090		B5/B14	
23	344	1.7	60		CMP080/090	B14	
19	414	1.2	75		CMP080/090	B14	
18	384	0.8	80	CM090		B5/B14	
16	463	1.5	90		CMP080/090	B14	
12	574	1.1	120		CMP080/090	B14	



电机 Motors	TS
	8024 8034
IEC	80 B5 / B14



技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
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1.1 - IEC 80

TS8034 (1400 min ⁻¹)	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

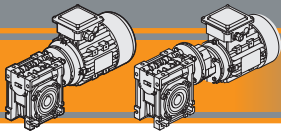
TS90S4 (1400 min ⁻¹)	56	156	2.4	25	CM090		B5/B14
	47	178	2.7	30	CM090		B5/B14
	35	228	1.9	40	CM090		B5/B14
	28	270	1.4	50	CM090		B5/B14
	23	311	1.1	60	CM090		B5/B14
	23	344	1.7	60		CMP090/090	B5/B14
	19	414	1.2	75		CMP090/090	B5/B14
	18	384	0.8	80	CM090		B5/B14
	16	463	1.5	90		CMP090/090	B5/B14
	12	574	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	

1.1 - IEC 90

TS90S4 (1400 min ⁻¹)	280	34	4.0	5	CM063		B5/B14
	187	50	2.9	7.5	CM063		B5/B14
	140	65	2.3	10	CM063		B5/B14
	93	95	1.6	15	CM063		B5/B14
	70	122	1.1	20	CM063		B5/B14
	56	146	0.9	25	CM063		B5/B14
	47	169	1.0	30	CM063		B5/B14
	93	95	2.3	15	CM070		B5/B14
	70	125	1.6	20	CM070		B5/B14
	56	150	1.2	25	CM070		B5/B14
	47	173	1.4	30	CM070		B5/B14
	35	219	1.0	40	CM070		B5/B14
	23	326	0.9	60		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	



电机 Motors	TS	
	8034	90S4
IEC	80 B5 / B14	80 B14 / B5



CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

技术参数

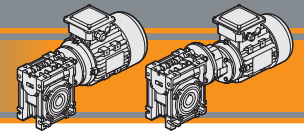
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
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1.5 - IEC 90								2.2 - IEC 90							
TS90L14 (1400 min ⁻¹)	280	46	2.9	5	CM063		B5/B14	TS90L24 (1400 min ⁻¹)	280	68	2.0	5	CM063		B5/B14
	187	68	2.1	7.5	CM063		B5/B14		187	99	1.5	7.5	CM063		B5/B14
	140	88	1.7	10	CM063		B5/B14		140	129	1.1	10	CM063		B5/B14
	93	129	1.2	15	CM063		B5/B14		93	189	0.8	15	CM063		B5/B14
	70	166	0.8	20	CM063		B5/B14		187	100	2.0	7.5	CM070		B5/B14
	140	89	2.4	10	CM070		B5/B14		140	131	1.7	10	CM070		B5/B14
	93	129	1.7	15	CM070		B5/B14		93	189	1.2	15	CM070		B5/B14
	70	170	1.2	20	CM070		B5/B14		70	249	0.8	20	CM070		B5/B14
	56	205	0.9	25	CM070		B5/B14		187	100	2.4	7.5	CM075		B5/B14
	47	236	1.0	30	CM070		B5/B14		140	131	2.0	10	CM075		B5/B14
	93	129	2.1	15	CM075		B5/B14		93	189	1.4	15	CM075		B5/B14
	70	170	1.4	20	CM075		B5/B14		70	249	1.0	20	CM075		B5/B14
	56	205	1.1	25	CM075		B5/B14		56	300	0.8	25	CM075		B5/B14
	47	236	1.2	30	CM075		B5/B14		47	347	0.8	30	CM075		B5/B14
	35	299	0.8	40	CM075		B5/B14		140	132	2.8	10	CM090		B5/B14
	70	172	2.4	20	CM090		B5/B14		93	194	2.2	15	CM090		B5/B14
	56	212	1.7	25	CM090		B5/B14		70	252	1.6	20	CM090		B5/B14
	47	243	2.0	30	CM090		B5/B14		56	311	1.2	25	CM090		B5/B14
	35	311	1.4	40	CM090		B5/B14		47	356	1.4	30	CM090		B5/B14
	28	368	1.0	50	CM090		B5/B14		35	456	1.0	40	CM090		B5/B14
	23	424	0.8	60	CM090		B5/B14		70	255	2.9	20	CM110		B5/B14
	23	469	1.2	60	CM090	CMP090/090	B14		56	315	2.1	25	CM110		B5/B14
	19	564	0.9	75	CM090	CMP090/090	B14		47	360	2.2	30	CM110		B5/B14
	16	632	1.1	90	CM090	CMP090/090	B14		35	474	1.6	40	CM110		B5/B14
	35	323	2.4	40	CM110		B5/B14		28	570	1.2	50	CM110		B5/B14
	28	389	1.8	50	CM110		B5/B14		23	657	1.0	60	CM110		B5/B14
	23	448	1.4	60	CM110		B5/B14		35	456	2.3	40	CM130		B5
	23	481	2.0	60	CM110	CMP090/110	B14		28	563	1.7	50	CM130		B5
	19	587	1.5	75	CM110	CMP090/110	B14		23	657	1.4	60	CM130		B5
	18	557	1.0	80	CM110		B5/B14		18	828	1.0	80	CM130		B5
	14	655	0.8	100	CM110		B5/B14		14	960	0.8	100	CM130		B5
	16	650	1.8	90	CM110	CMP090/110	B14								
	12	830	1.3	120	CM110	CMP090/110	B14								
	9	978	1.0	150	CM110	CMP090/110	B14								
	28	389	2.5	50	CM130		B5								
	23	448	2.0	60	CM130		B5								
	19	579	2.1	75	CM130	CMP090/130	B14								
	18	565	1.5	80	CM130		B5								
	16	650	2.2	90	CM130	CMP090/130	B14								
	14	655	1.1	100	CM130		B5								
	12	818	1.5	120	CM130	CMP090/130	B14								
	9	1008	1.2	150	CM130	CMP090/130	B14								
	8	1155	0.9	180	CM130	CMP090/130	B14								
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							



电机 Motors	TS	
	90L14 90S24	100L14
IEC	90 B5 / B14	90 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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2.2 - IEC 100

TS100L14 (1400 min ⁻¹)	P ₁	n ₂	M ₂	sf	i	Motor	IEC
	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	

4.0 - IEC 112

TS112M4 (1400 min ⁻¹)	P ₁	n ₂	M ₂	sf	i	Motor	IEC
	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	

3.0 - IEC 100

TS100L24 (1400 min ⁻¹)	P ₁	n ₂	M ₂	sf	i	Motor	IEC
	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	

5.5 - IEC 132

TS132S4 (1400 min ⁻¹)	P ₁	n ₂	M ₂	sf	i	Motor	IEC
	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

TS132M4 (1400 min ⁻¹)	P ₁	n ₂	M ₂	sf	i	Motor	IEC
	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	



电机 Motors	TS		
	100L14 100L24	112M4	132S4 132M4
IEC	100 B14 / B5	112 B5 / B14	132 B5 / B14

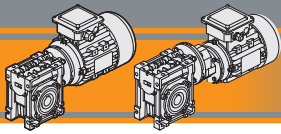
电机技术参数

Electrical technical data

请参见专用页:



Please see the dedicated paragraph:



CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

IEC电机适配表

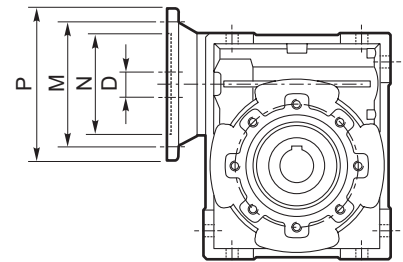
IEC Motor adapters

	TS电机					
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14
CM026						
CM030						
CM040						
CM050						
CM063						
CM070						
CM075						
CM090						
CM110						
CM130						
CMP056/...						
CMP063/...						
CMP071/...						
CMP080/...						
CMP090/...						

备注：灰色部分指该型号有适合的电机输入。

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



备注：

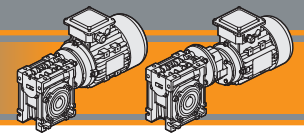
灰色部分指该型号有适合的电机输入。

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

B/BS = 金属轴套
B/BS = Metal shaft sleeve

注释：Nema 法兰可选

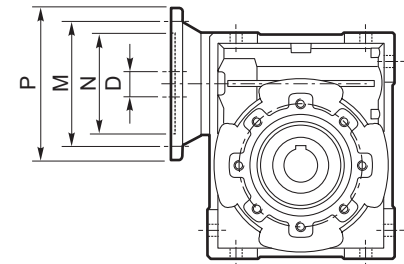
Note: Nema flange available on demand



IEC电机适配表

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	B						



备注:

灰色部分指该型号有适合的电机输入。

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

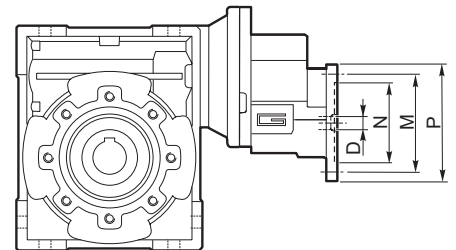
B/BS = 金属轴套
B/BS = Metal shaft sleeve

注释: Nema 法兰可选

Note: Nema flange available on demand

CM/CMP

CMP	IEC	N	M	P	D	i (i ₁ x i ₂)									
						60 (3x20)	75 (3x25)	90 (3x30)	120 (3x40)	150 (3x50)	180 (3x60)	240 (3x80)	300 (3x100)		
056/030	56 B14	50	65	80	9										
056/040						B	B	B	B						
063/040	63 B14	60	75	90	11										
063/050						B	B	B							
063/063						BS	BS	BS	B	B	B				
071/050	71 B14	70	85	105	14										
071/063						B	B	B							
071/070						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											B				
090/075						B	B	B							
090/090	90 B14 90 B5	95 130	115 165	140 200	24	B	B	B	B						
090/110						BS	BS	BS	B	B	B				
090/130						BS	BS	BS	BS	B	B	B	B		

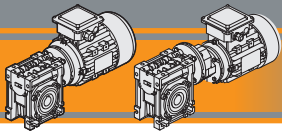


备注:

灰色部分指该型号有适合的电机输入。

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

B/BS = 金属轴套
B/BS = Metal shaft sleeve

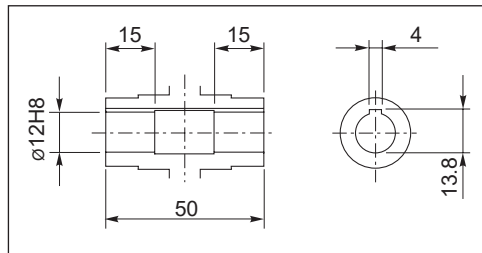
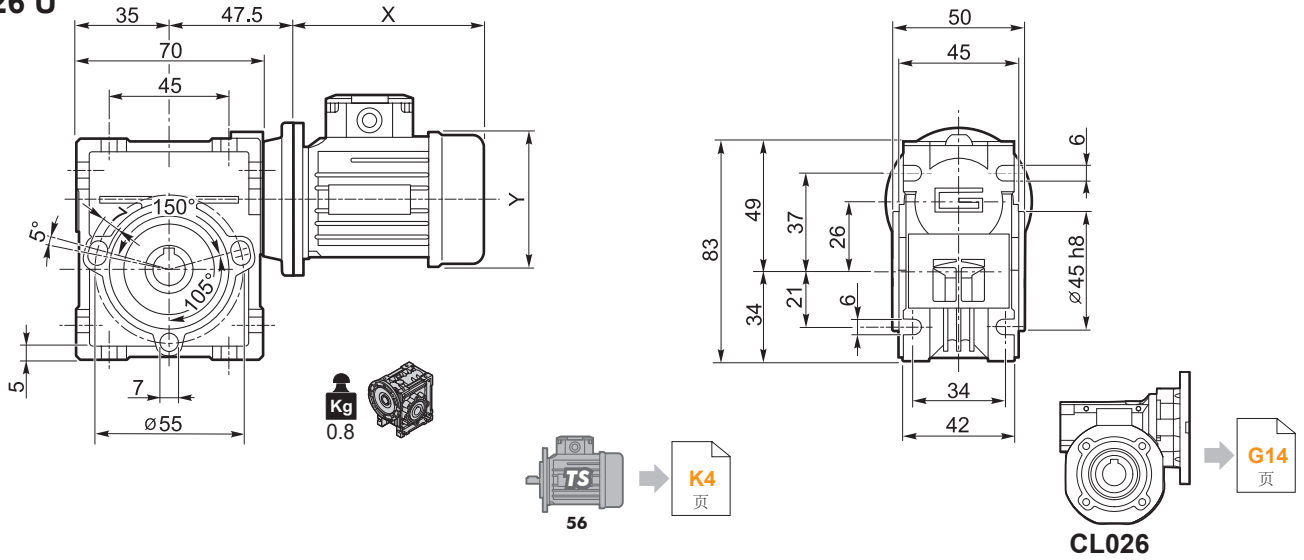


CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

尺寸参数

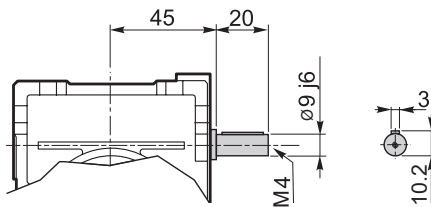
Dimensions

CM 026 U

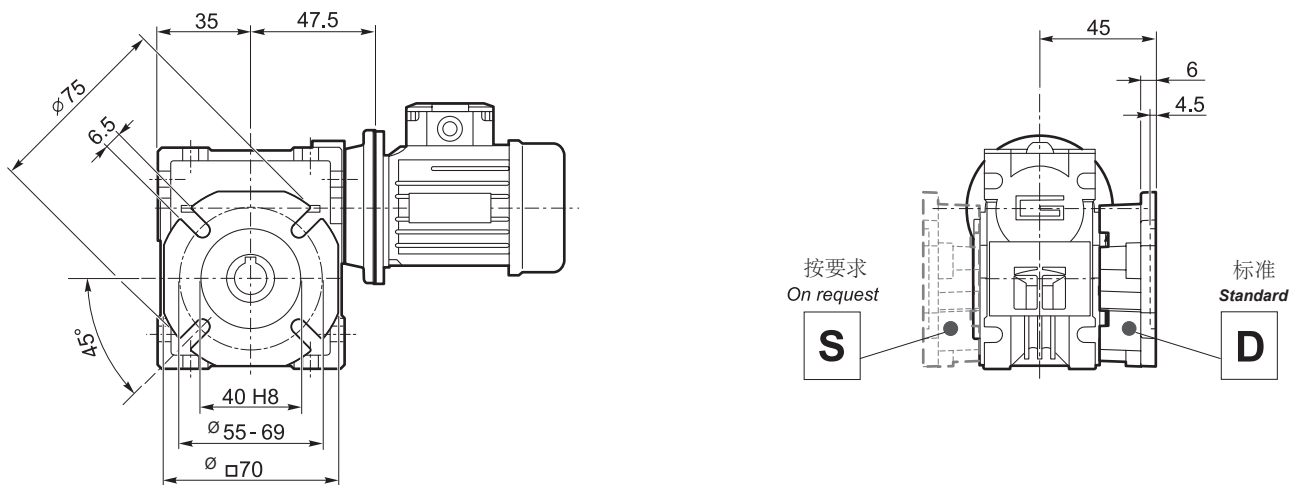


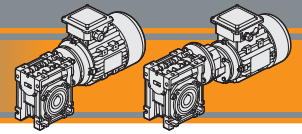
空心输出轴 / Hollow output shaft

CMIS 026 ..



CM 026 F

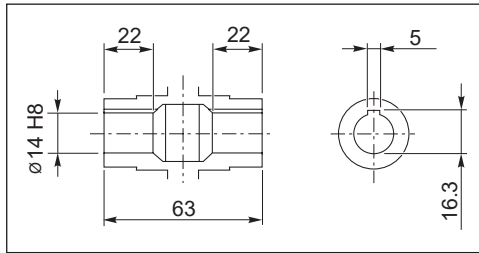
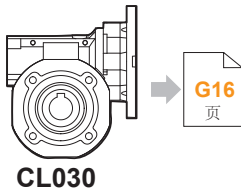
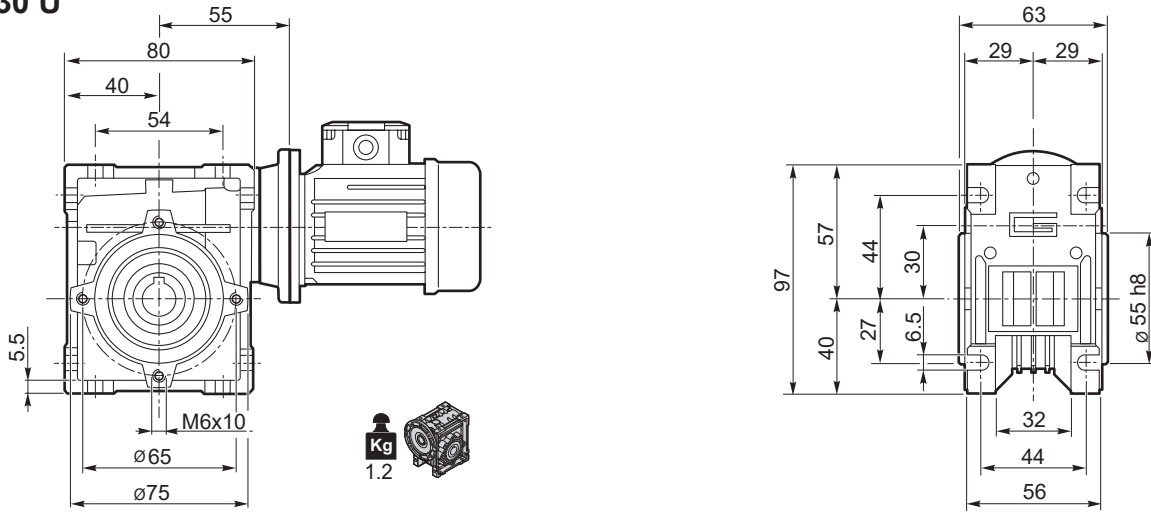




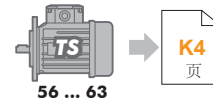
尺寸参数

Dimensions

CM 030 U

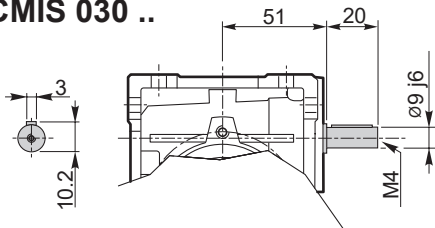


空心输出轴 / Hollow output shaft

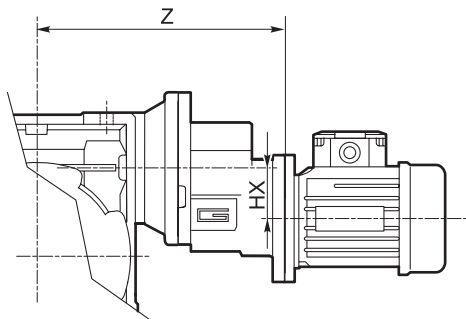




CM/CMP

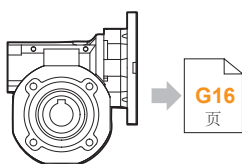
CMIS 030 ..



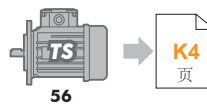
CMP ..

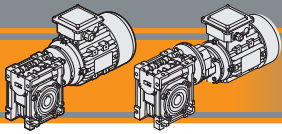


	HX	Z	 
056/030	30.5	124	2.1



CLP 056/030



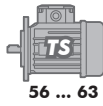
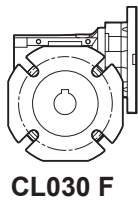
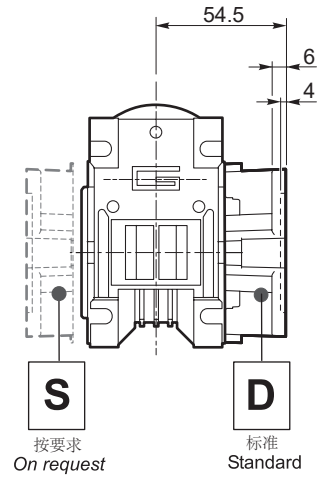
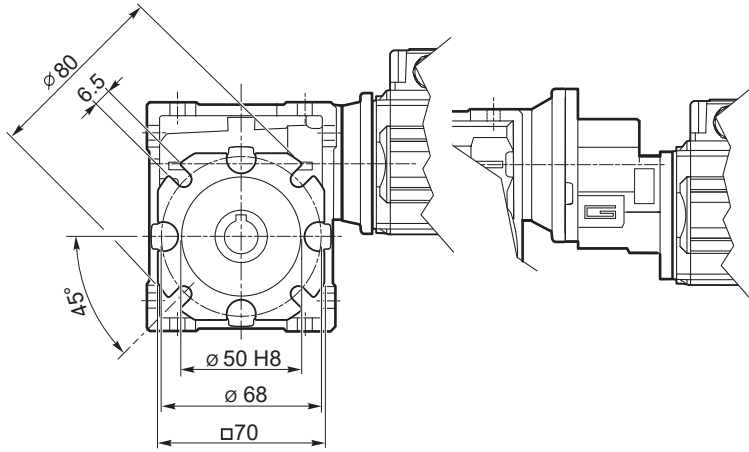


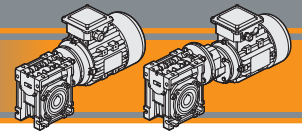
尺寸参数

Dimensions

CM 030 F

CMP./030 F

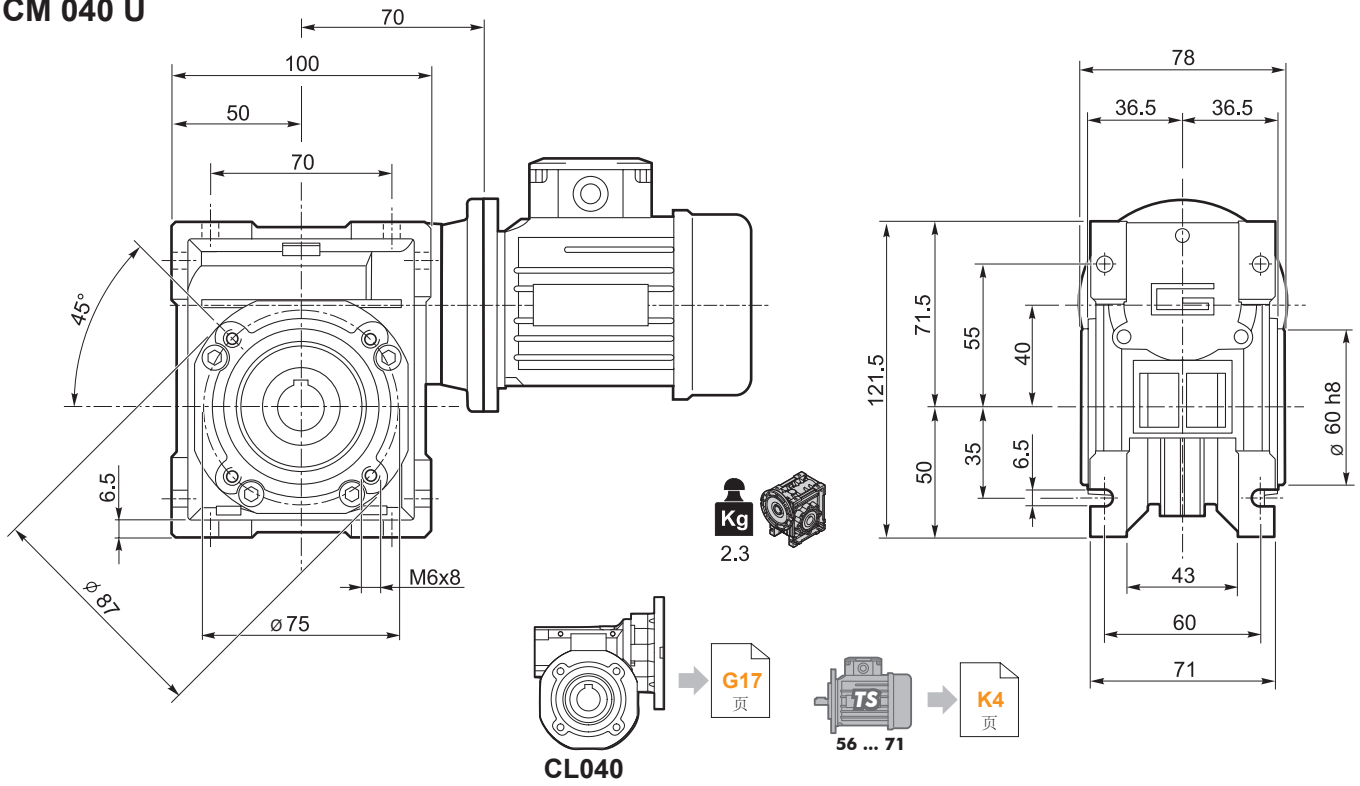




尺寸参数

Dimensions

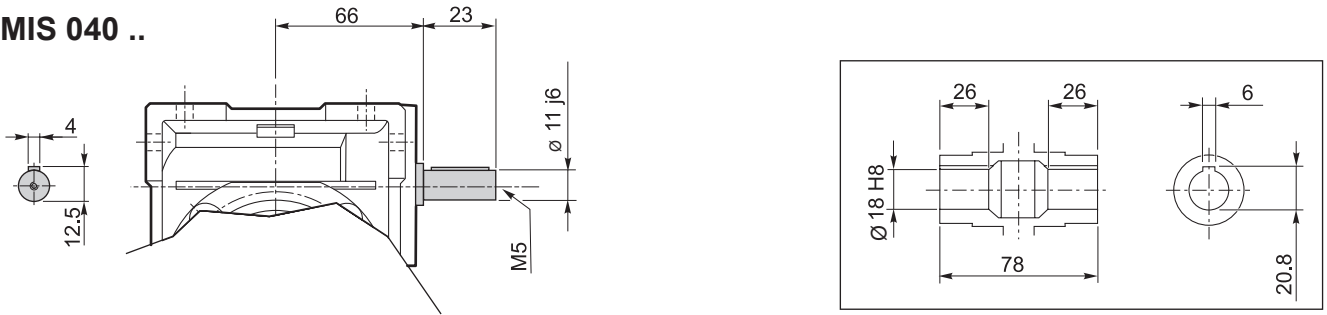
CM 040 U



CL040

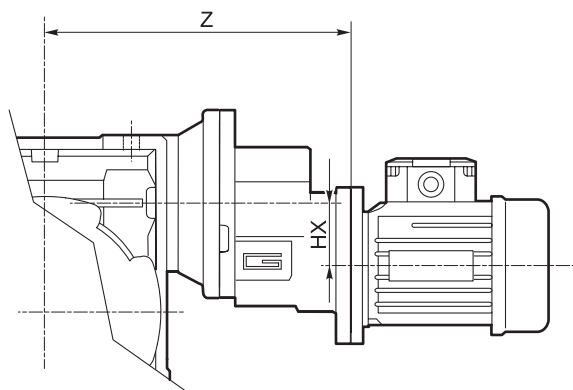
CM/CMP

CMIS 040 ..

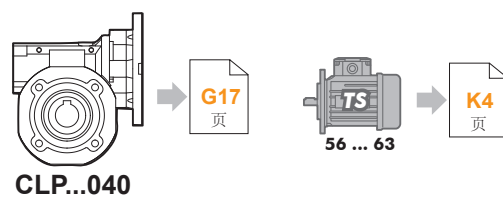


空心输出轴 / Hollow output shaft

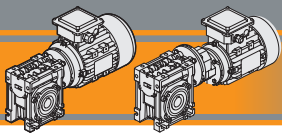
CMP ..



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

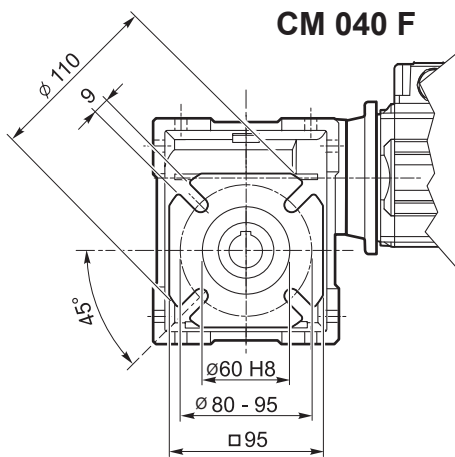


CLP...040

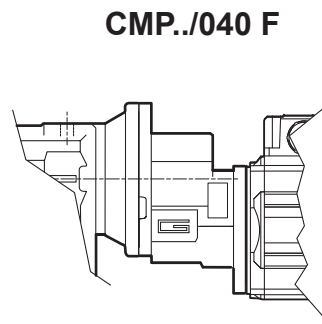


尺寸参数

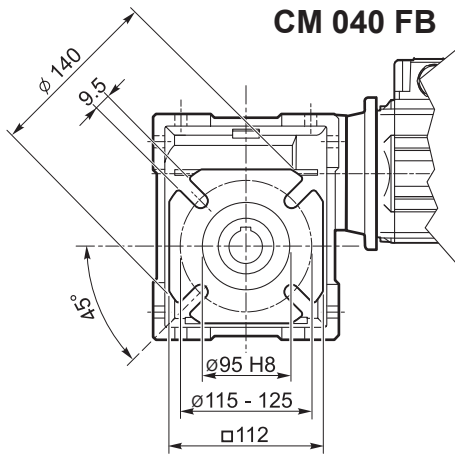
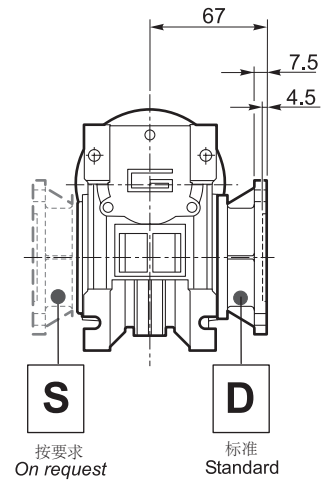
Dimensions



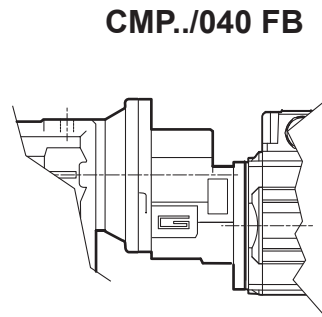
CM 040 F



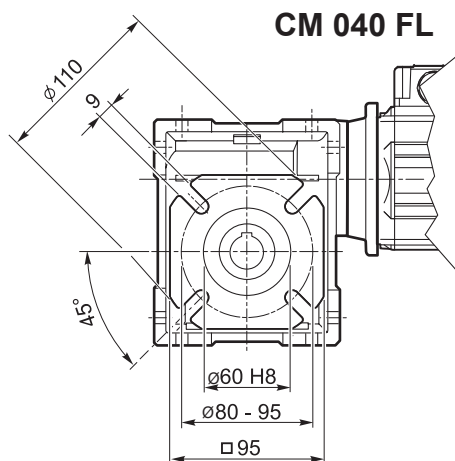
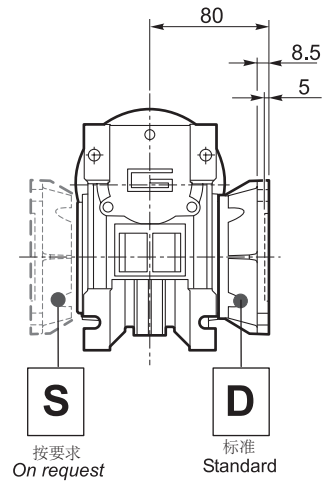
CMP./040 F



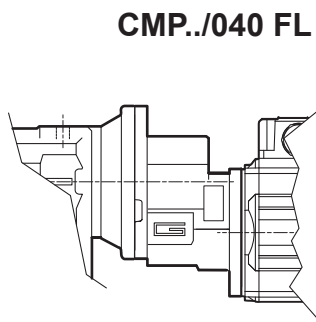
CM 040 FB



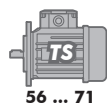
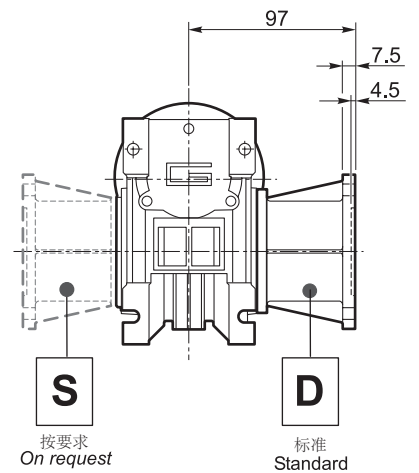
CMP./040 FB



CM 040 FL

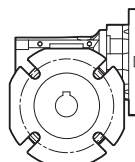


CMP./040 FL

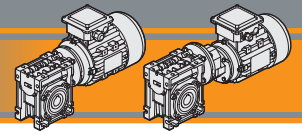


K4
页

CL040 F
CL040 FB
CL040 FL



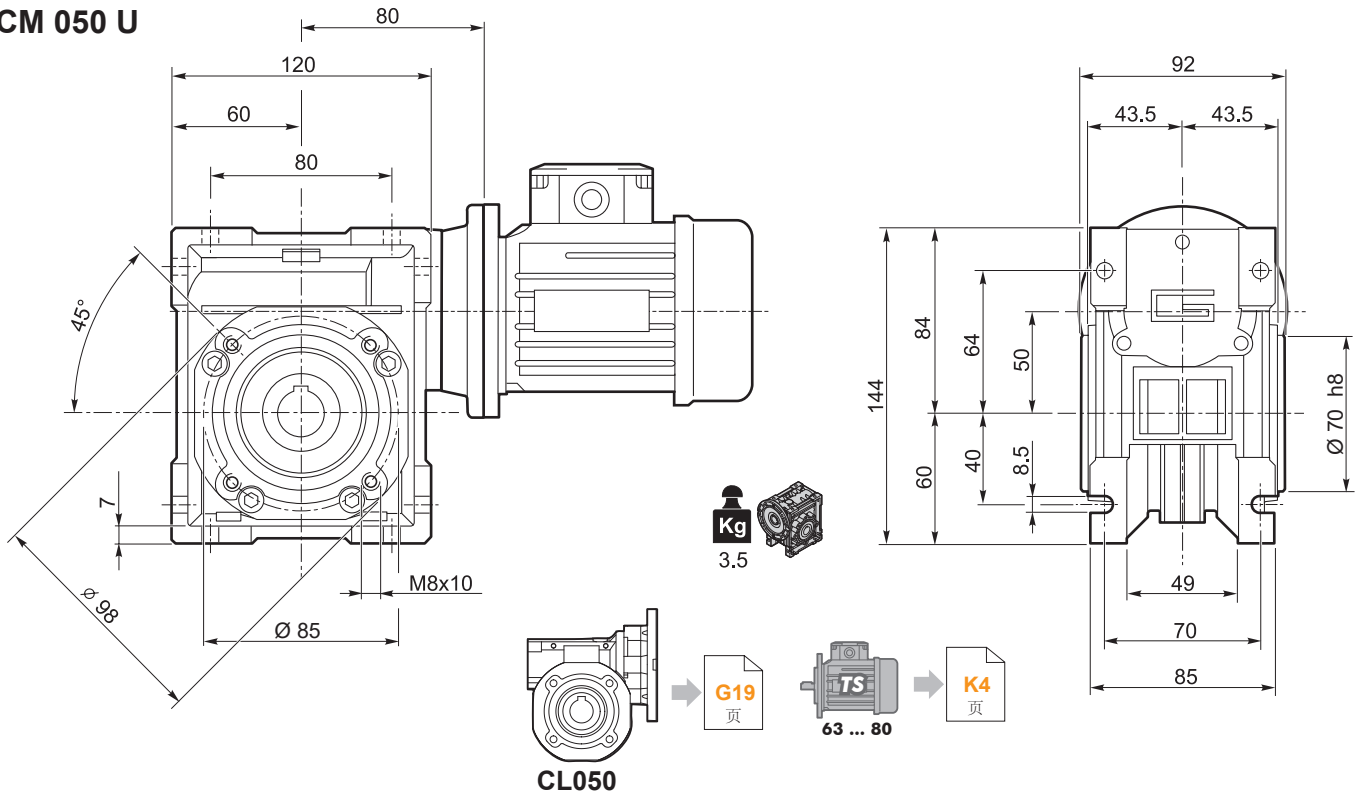
G18
页



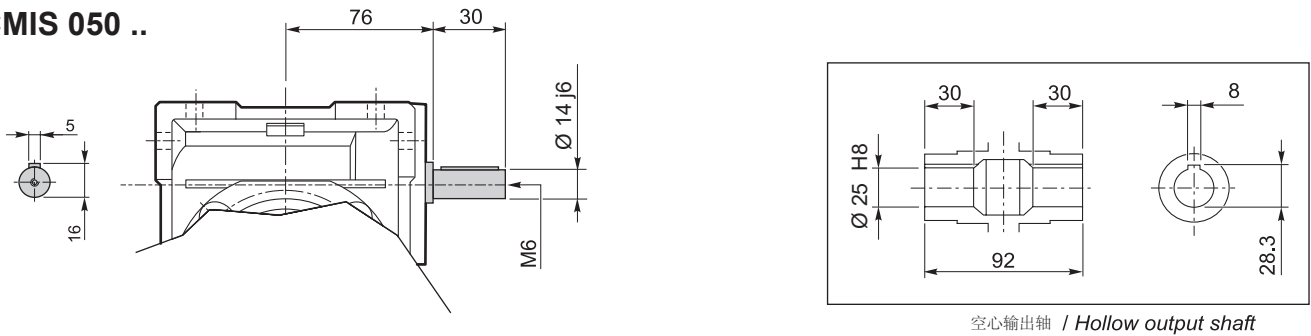
尺寸参数

Dimensions

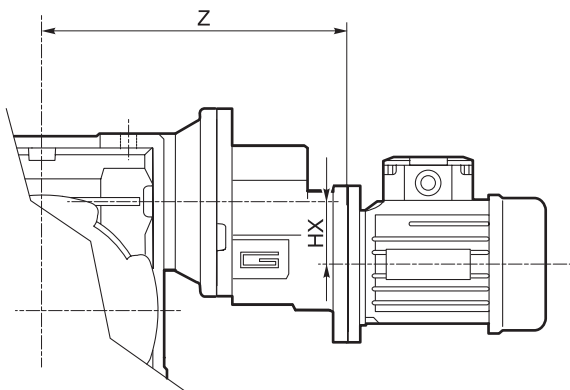
CM 050 U




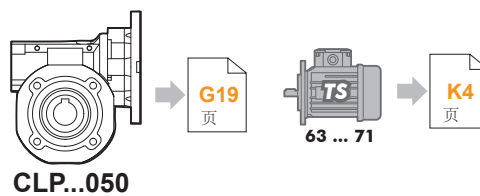
CMIS 050 ..

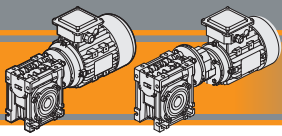


CMP ..



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

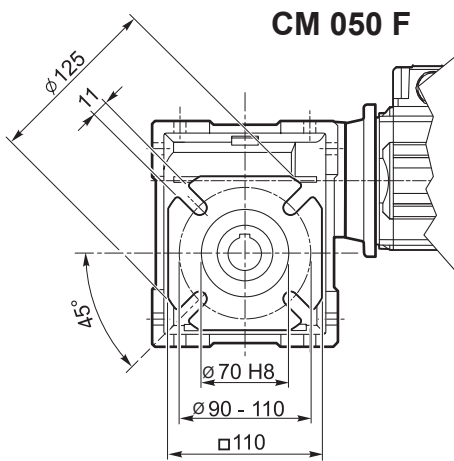




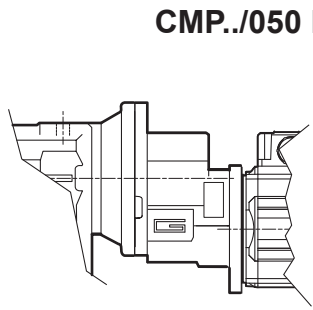
CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

尺寸参数

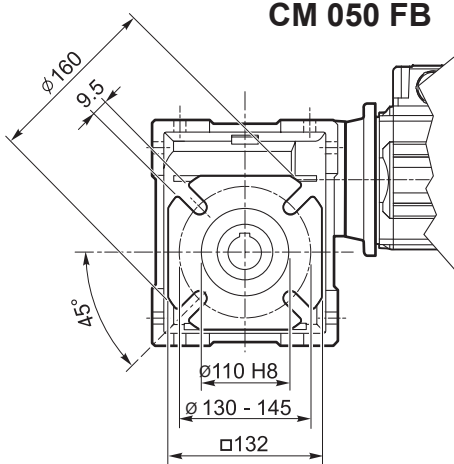
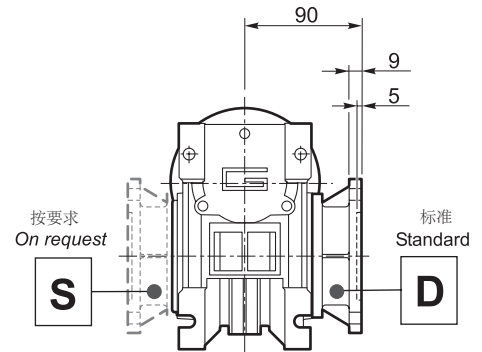
Dimensions



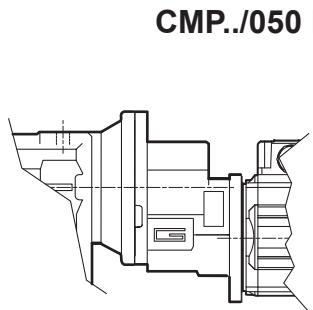
CM 050 F



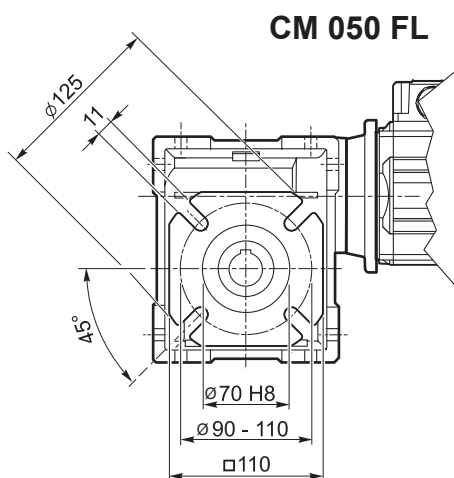
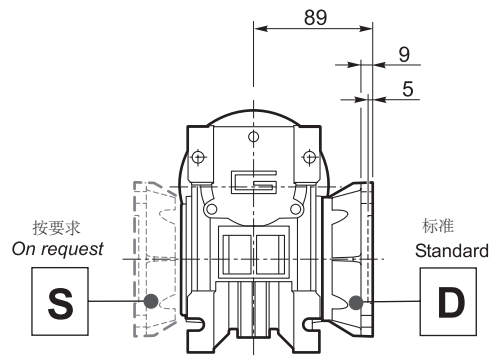
CMP./050 F



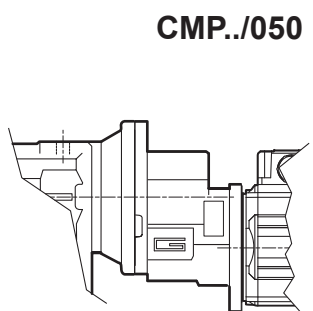
CM 050 FB



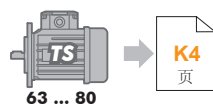
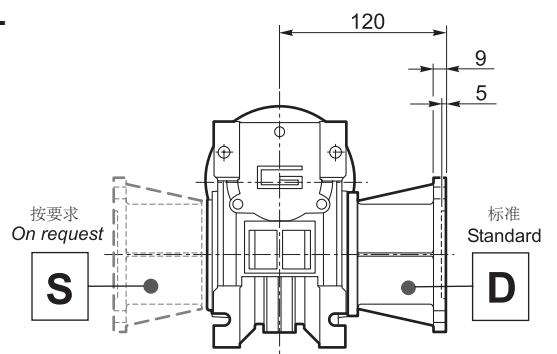
CMP./050 FB



CM 050 FL

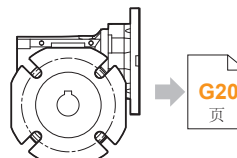


CMP./050 FL

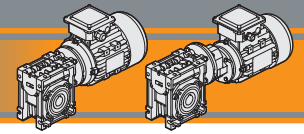


63 ... 80

CL050 F
CL050 FB
CL050 FL



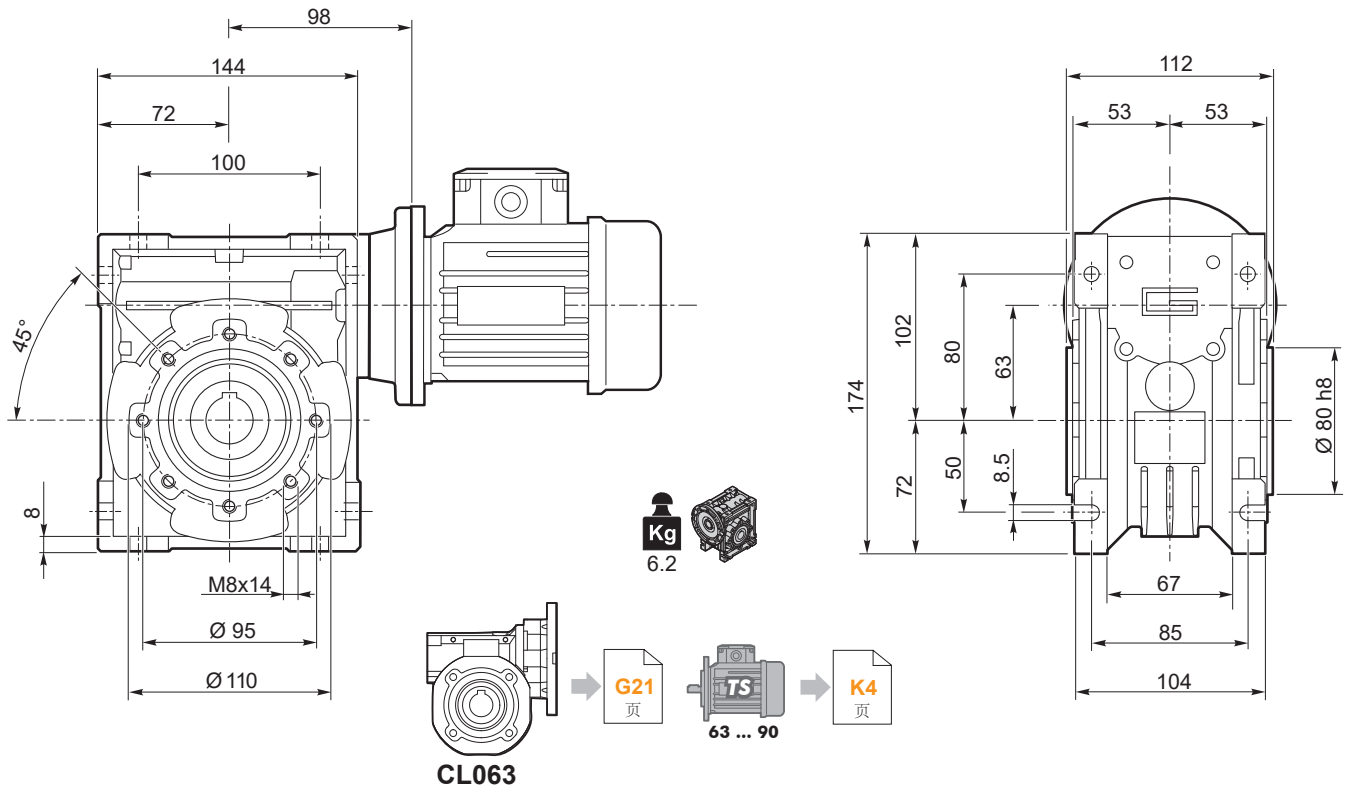
G20
页



尺寸参数

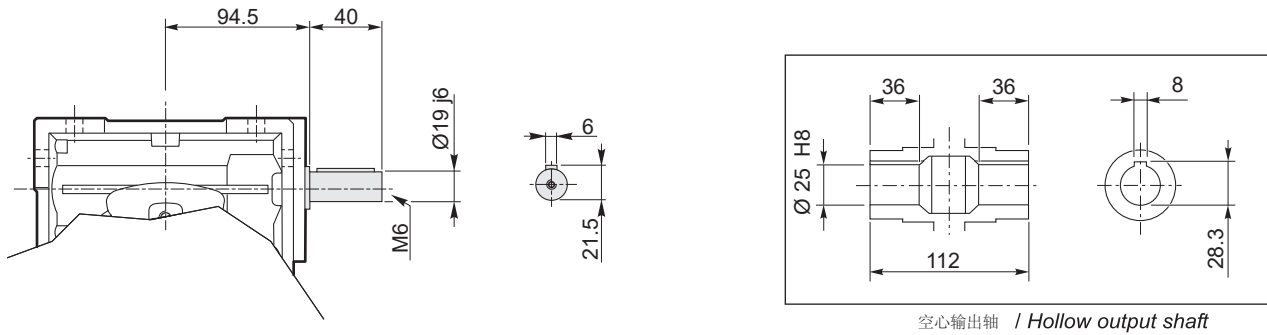
Dimensions

CM 063 U

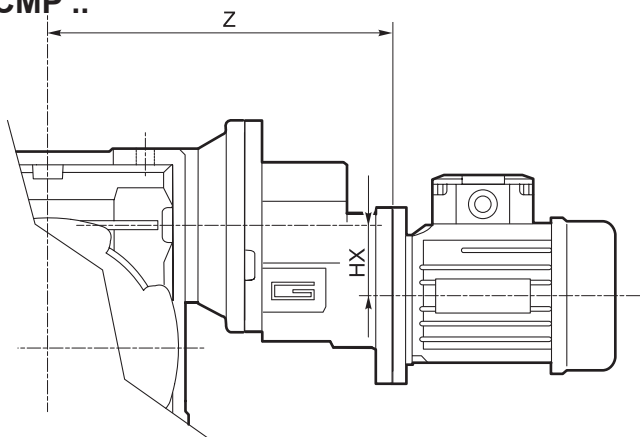


CM/CMP

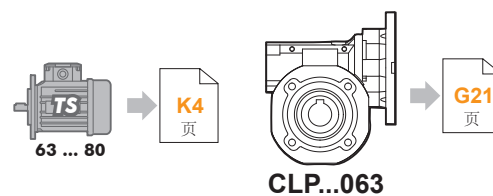
CMIS 063 ..

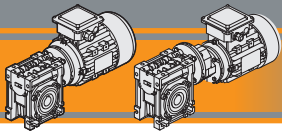


CMP ..



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

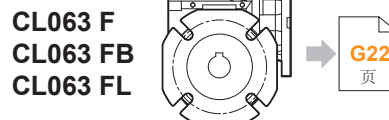
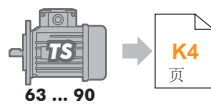
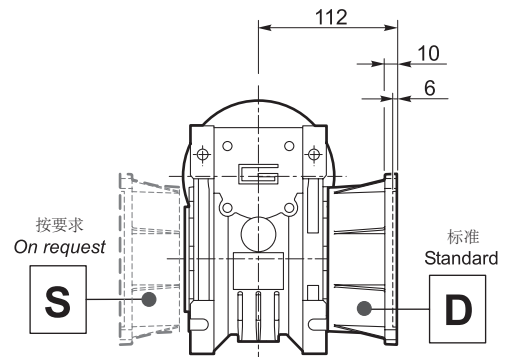
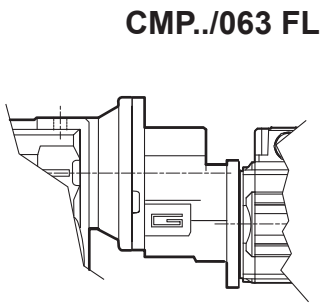
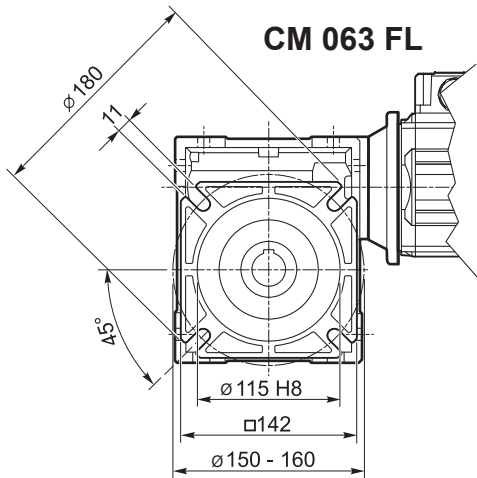
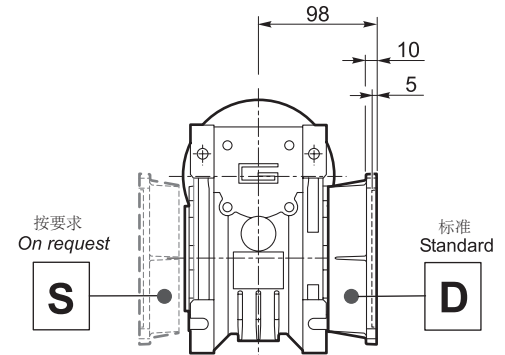
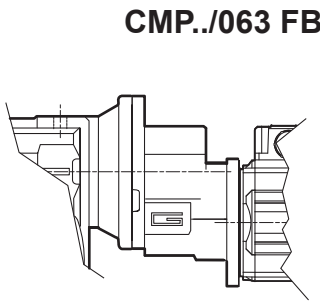
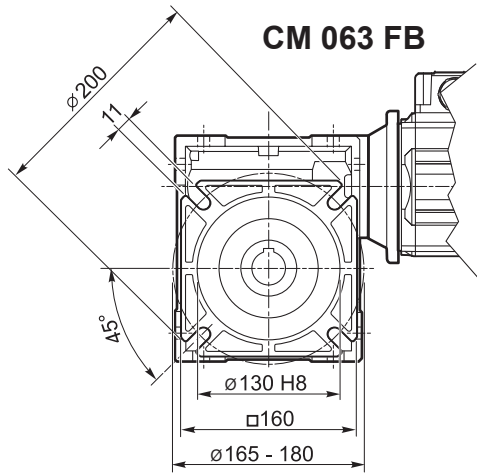
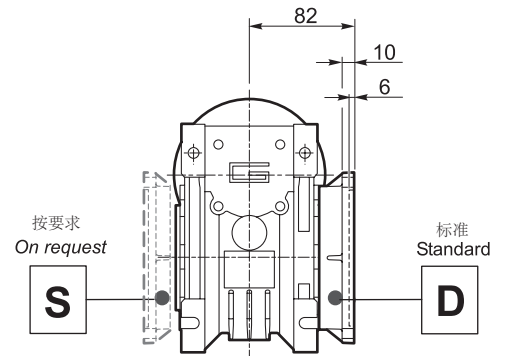
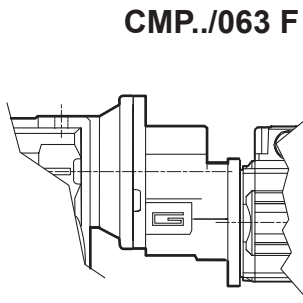
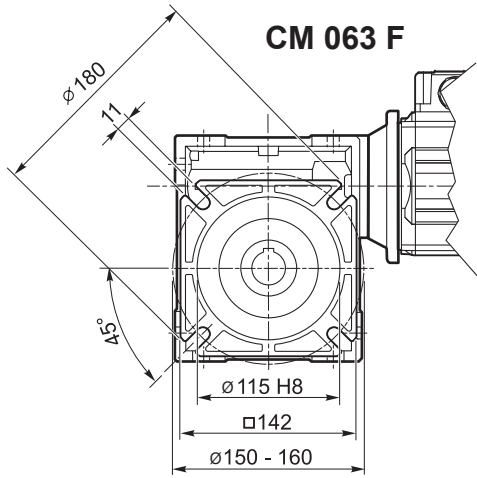


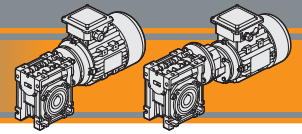


CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

尺寸参数

Dimensions

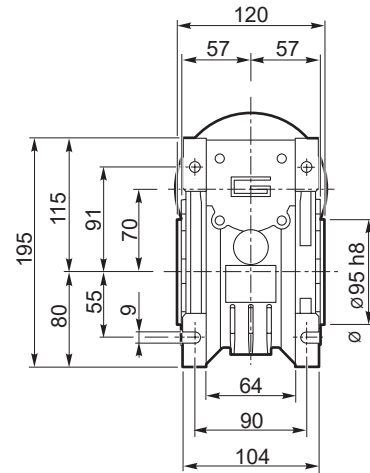
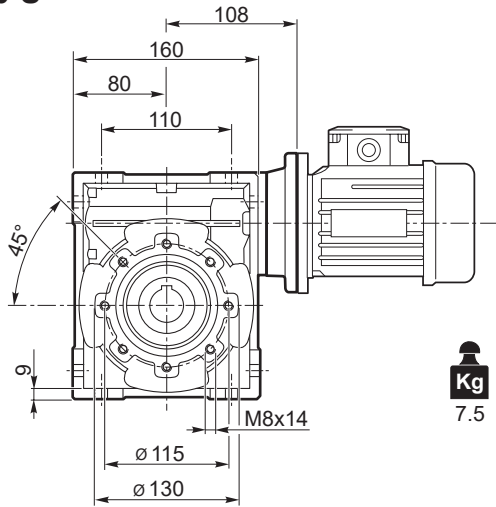




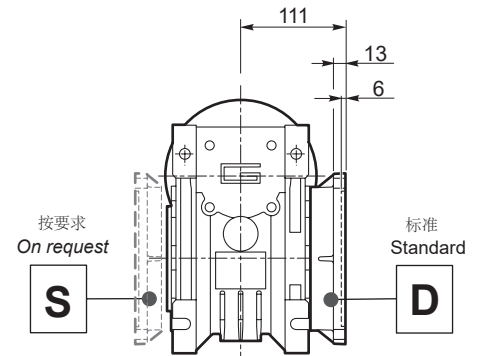
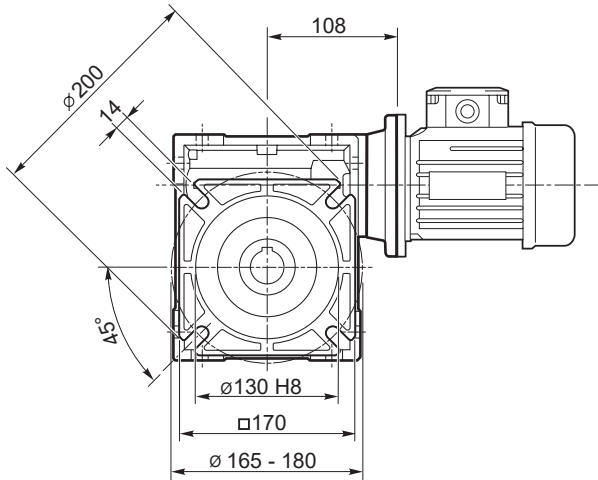
尺寸参数

Dimensions

CM 070 U

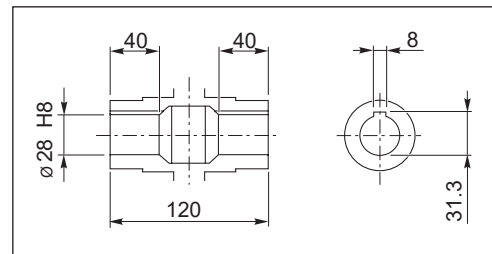
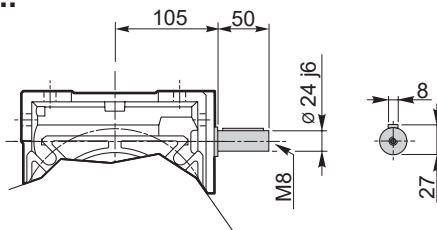


CM 070 F



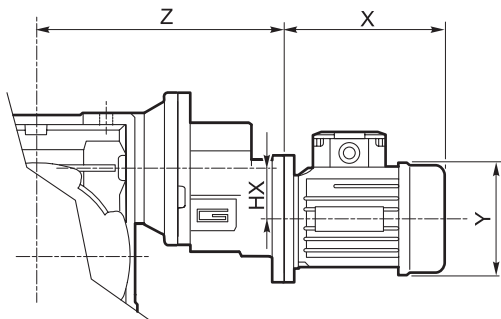
CM/CMP


CMIS 070 ..

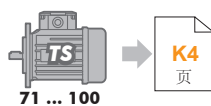


空心输出轴 / Hollow output shaft

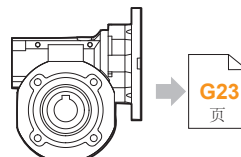
CMP ..

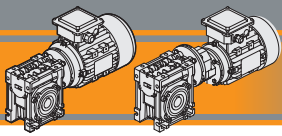


	HX	Z	Kg 
071/070	41	197	9
080/070	41	208	9.8
090/070	36.5	262	10.5



CL070
CL070 F



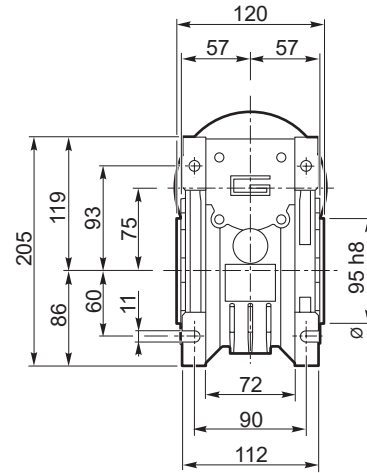
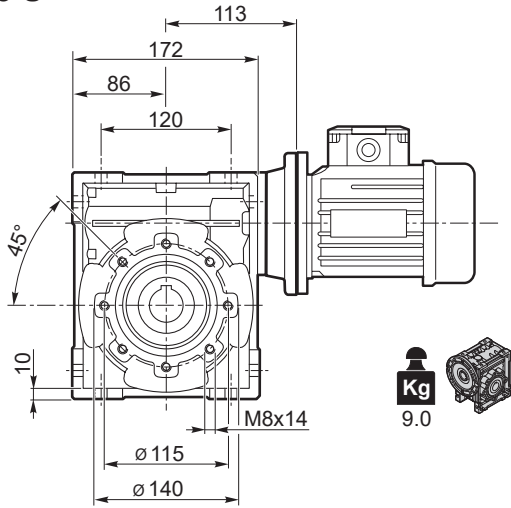


CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

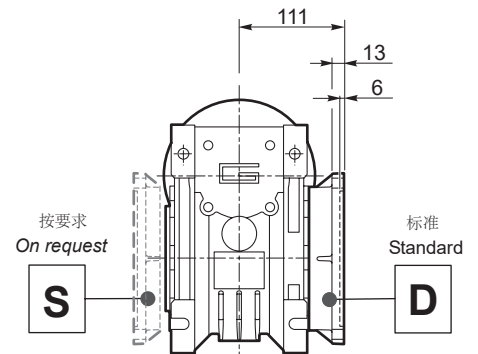
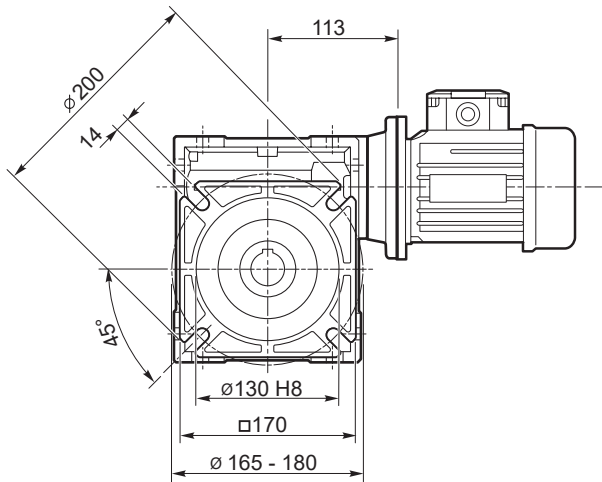
尺寸参数

Dimensions

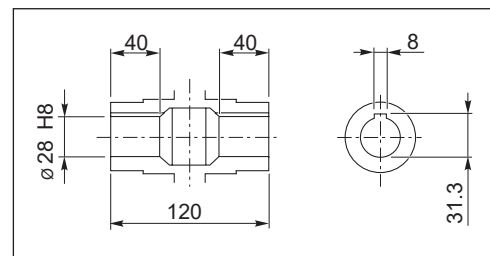
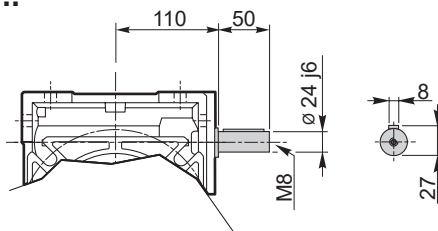
CM 075 U



CM 075 F

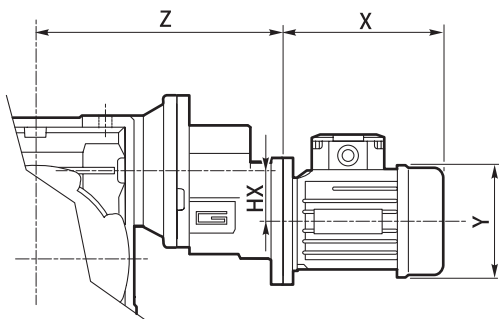



CMIS 075 ..

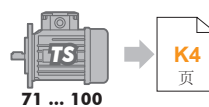


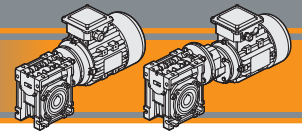
空心输出轴 / Hollow output shaft

CMP ..



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

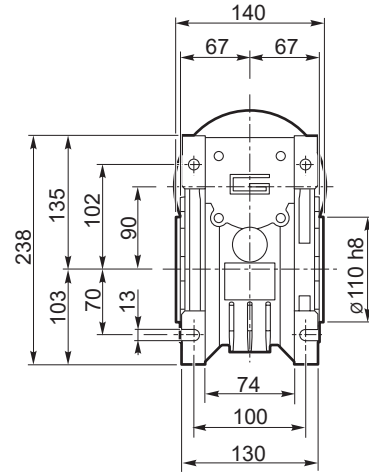
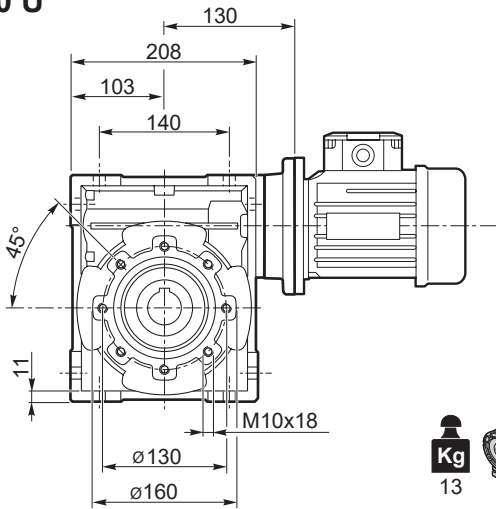




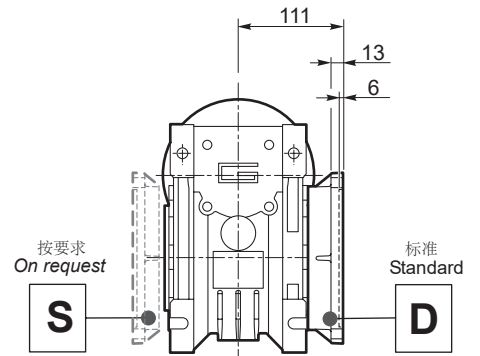
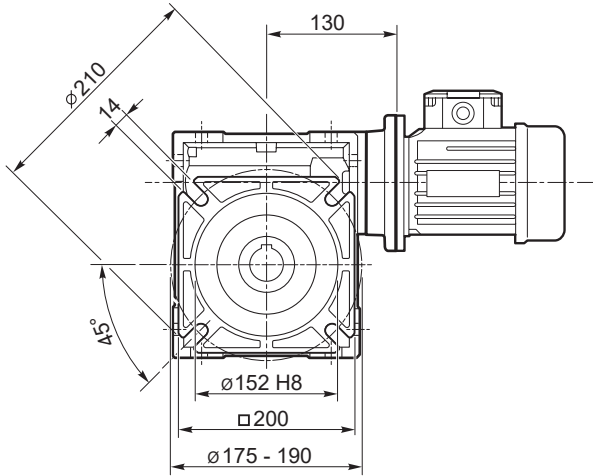
尺寸参数

Dimensions

CM 090 U

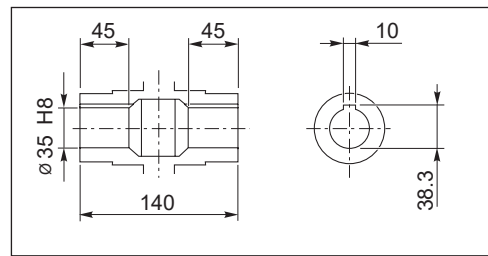
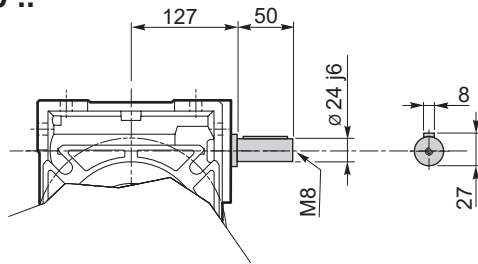


CM 090 F



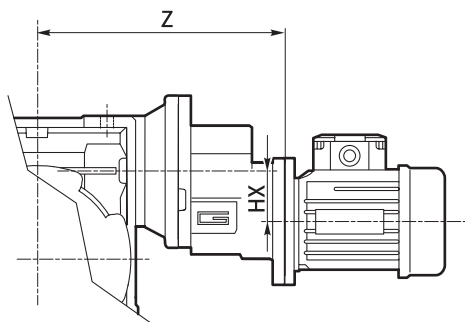
CM/CMP



CMIS 090 ..

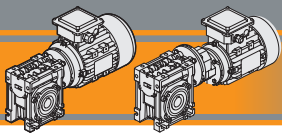


空心输出轴 / Hollow output shaft

CMP ..



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

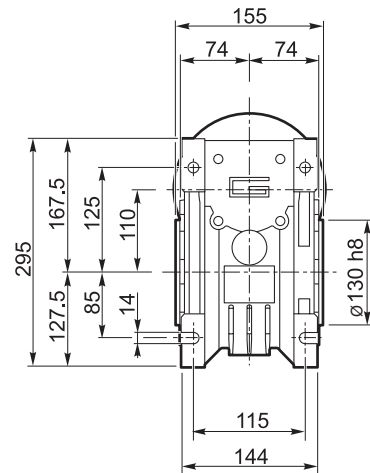
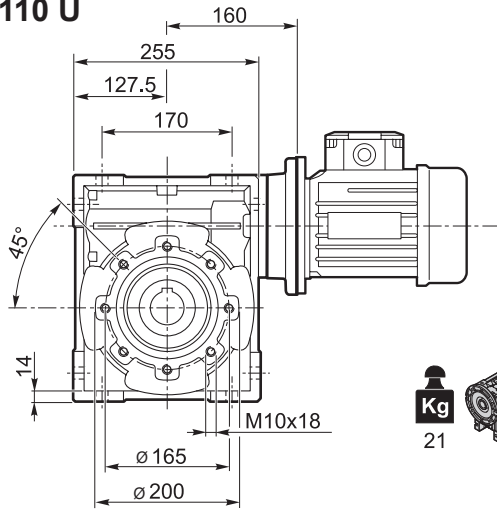


CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

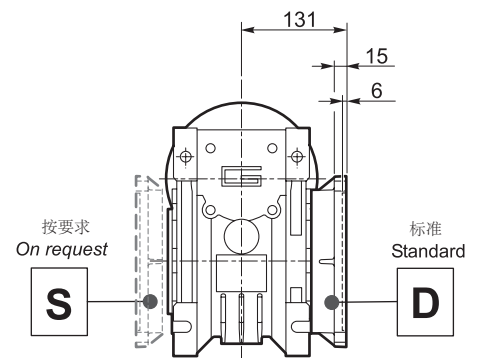
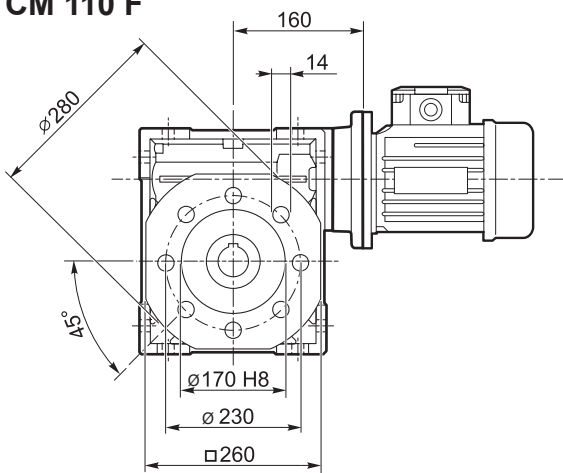
尺寸参数

Dimensions

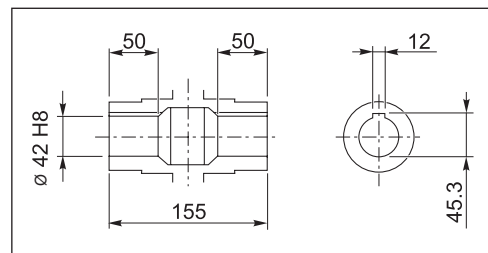
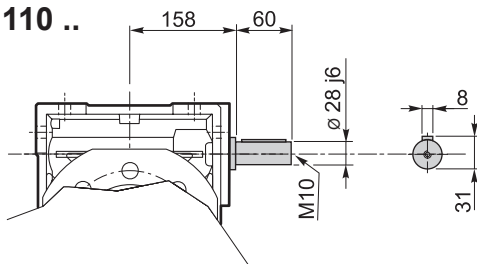
CM 110 U



CM 110 F

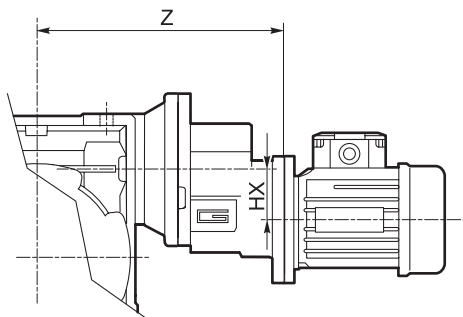


CMIS 110 ..

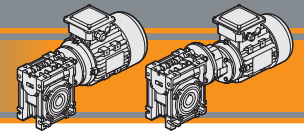


空心输出轴 / Hollow output shaft

CMP ..



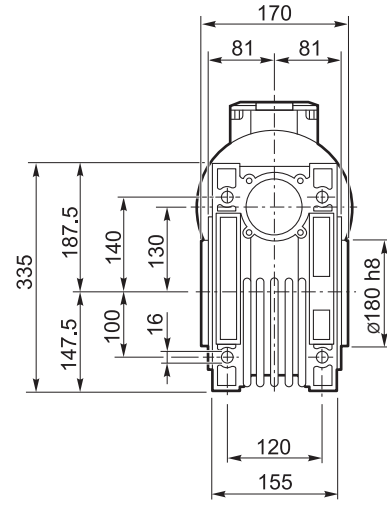
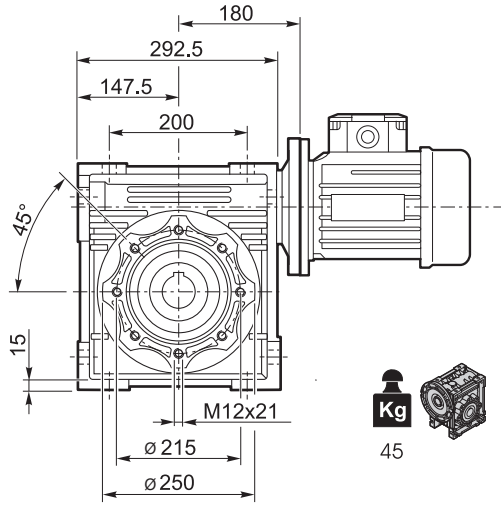
	HX	Z	Kg
080/110	41	260	23.8
090/110	36.5	314	24.5



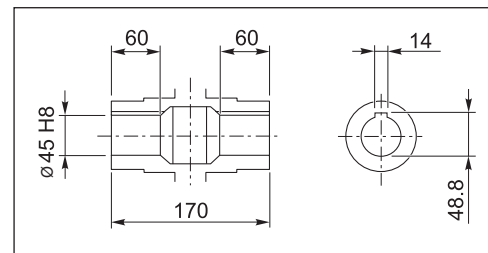
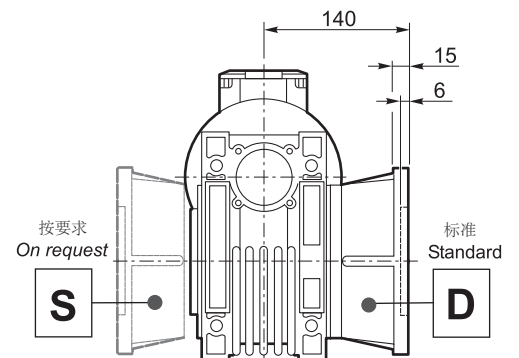
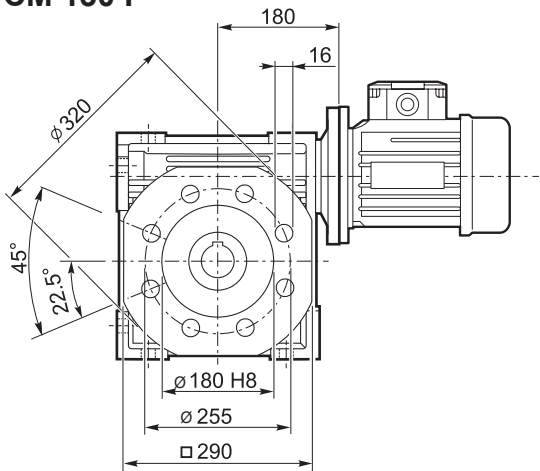
尺寸参数

Dimensions

CM 130 U

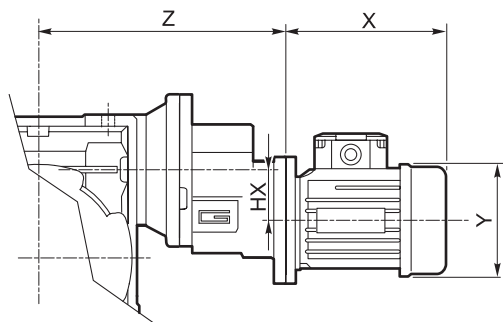


CM 130 F



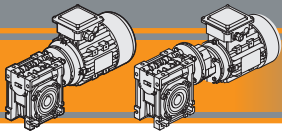
空心输出轴 / Hollow output shaft

CMP ..



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

CM/CMP



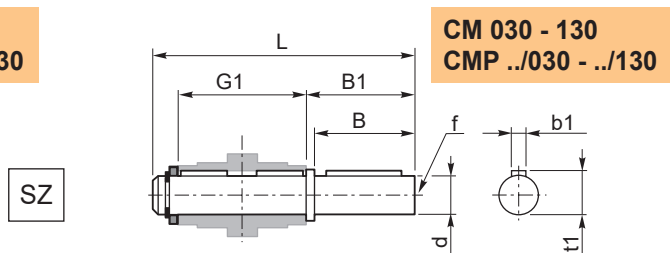
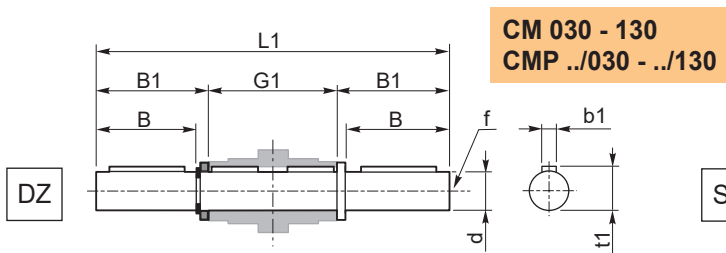
CM/CMP 蜗轮蜗杆减速电机 Wormgearmotors

附件

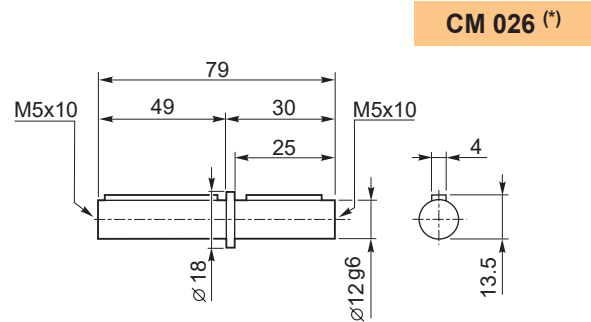
Accessories

单向和双向输出轴

Single and double output shaft



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

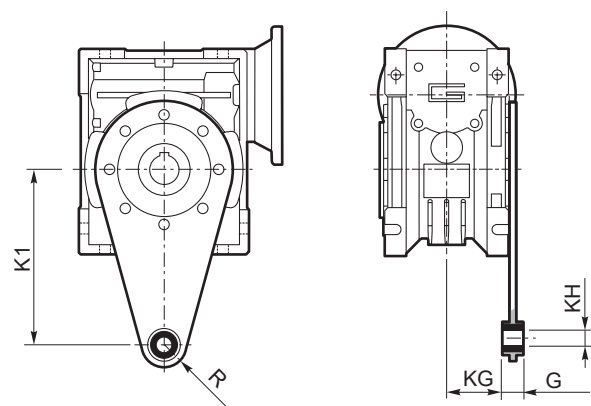


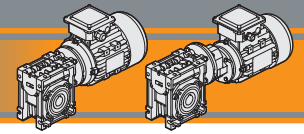
(*) 注释: 只适用于 Ø12 空心输出轴
Note: available for output hollow shaft Ø12 only

扭力臂

Torque arm

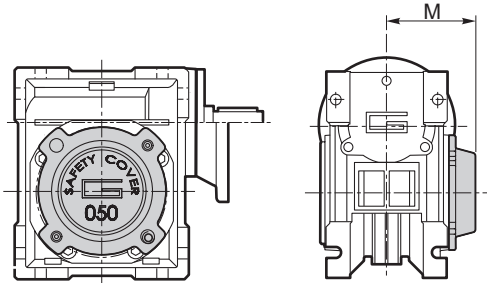
CM	CMP	K1	G	KG	KH	R
030	056/030	85	14	23	8	15
040	056/040 063/040	100	14	31	10	18
050	063/050 071/050	100	14	38	10	18
063	063/063 071/063 080/063	150	14	47.5	10	18
070	071/070 080/070 090/070	200	25	46.5	20	30
075	071/075 080/075 090/075	200	25	46.5	20	30
090	071/090 080/090 090/090	200	25	56.5	20	30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





SC - 防护罩 / Safety Cover

Safety Cover



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

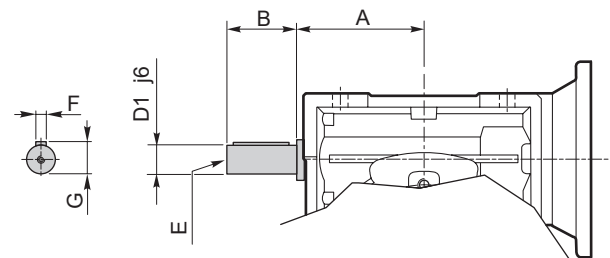
CM/CMP

可选项

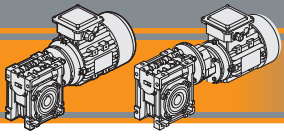
Options

VS - 加长输入轴 / Extended input shaft

CM	CMP	A	B	D ₁ j6	E	F	G
030	056/030	45	20	9	M4	3	10.2
040	056/040 063/040	53	23	11	M5	4	12.5
050	063/050 071/050	64	30	14	M6	5	16
063	063/063 071/063 080/063	75	40	19	M6	6	21.5
070	071/070 080/070 090/070	84	40	19	M6	6	21.5
075	071/075 080/075 090/075	90	50	24	M8	8	27
090	071/090 080/090 090/090	108	50	24	M8	8	27
110	080/110 090/110	135	60	28	M10	8	31
130	080/130 090/130	—	—	—	—	—	—



按要要求定制
Built on request



注释/Notes

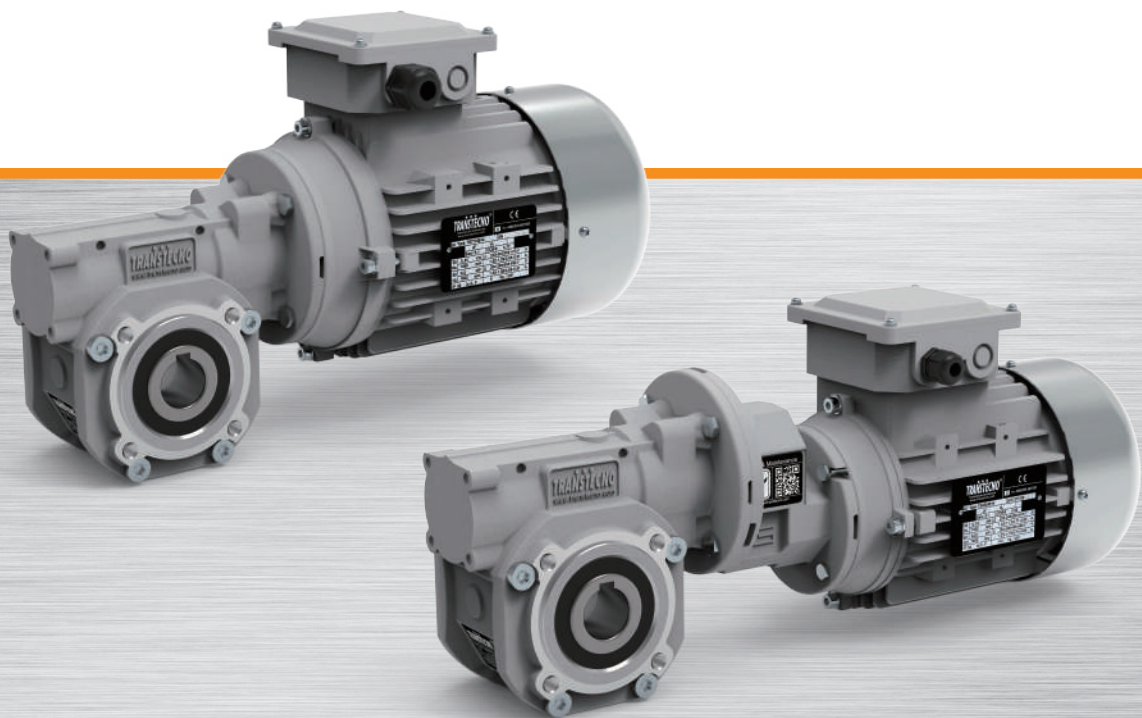
TRANSTECNO[®]
the modular gearmotor

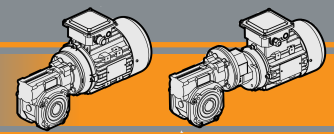
CL-CLP

CL-CLP



蜗轮蜗杆减速电机
Wormgearmotors

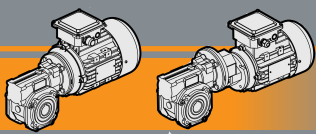




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效率	<i>Efficiency</i>	G6
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IEC电机适配法兰	<i>IEC Motor adapters</i>	G12
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www.transtecno.com

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CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

技术特征

Technical features

高度模块化是CL和CLP蜗轮蜗杆减速电机系列的设计特点，这得益于输入和输出套件的广泛选择。

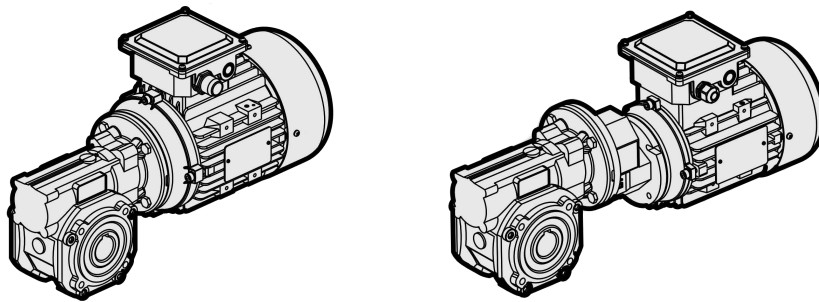
The high degree of modularity is a design feature of CL and CLP wormgearmotors range thanks to a wide selection of input and output kits.

CL和CLP系列的主要特点是：

Main features of CL and CLP range are:

- 026, 030, 040, 050, 063, 070 型号均使用压铸铝合金箱体；
- 前置级使用压铸铝合金箱体；

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



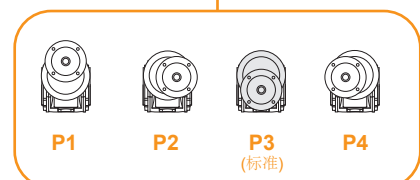
选型

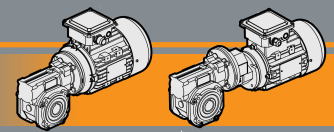
蜗轮蜗杆减速机 / WORMGEARBOXES

减速机 / GEARBOX									
CL	030	U	10	63	B14	SZDX	BRSX	90	VS
类型 Type	型号 Size	底座/输出法兰型号 Gearbox Version	速比 Ratio	IEC 	法兰型号 Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle	可选项 Options
CL CLIS 	026 030 040 050 063 070	U F...	Vedere tabella See tables	56.. — 112..	B5 B14	SZDX SZSX DZ	BRDX BRSX *	0° 90° 180° 270°	VS

前置蜗轮蜗杆减速机组合 / PRE-STAGE WORMGEARBOXES

减速机 / GEARBOX											
CLP	063/050	U	90	63	B14	SZDX	BRSX	90	P4	M1	VS
类型 Type	型号 Size	底座/输出法兰型号 Gearbox Version	速比 Ratio	IEC 	法兰型号 Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle	前置级 安装位置 Pre stage mounting position	安装位置 Mounting position	可选项 Options
CLP 	056/030 056/040 063/040 063/050 063/063 071/050 071/063 071/070 080/063 080/070 090/070	U F...	见表格 See tables	56.. — 90..	B5 B14	SZDX SZSX DZ	BRDX BRSX *	0° 90° 180° 270°	P1 P2 P3 (标准) P4	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M6 (B6) M5 (B7)	VS





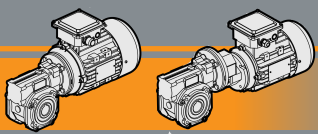
选型

减速机类型 Gearbox Version	输出轴 Output shaft	扭力臂 Torque arm *	角度 Angle
<p>U F...D F...S</p>	<p>SZDX SZSX DZ</p>	<p>BRDX BRSX</p>	<p>90° 90° 180° 0° 270° 270°</p>

* 注释：扭力臂将不组装。
NOTE: the torque arm will be supplied not assembled.

三相电机 / THREE PHASE MOTOR

TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS	 K1 页	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	<p>T1 (Std) T4 T2 T3</p>

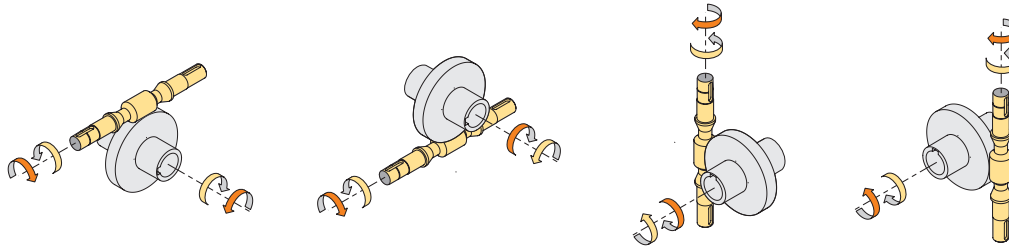


CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

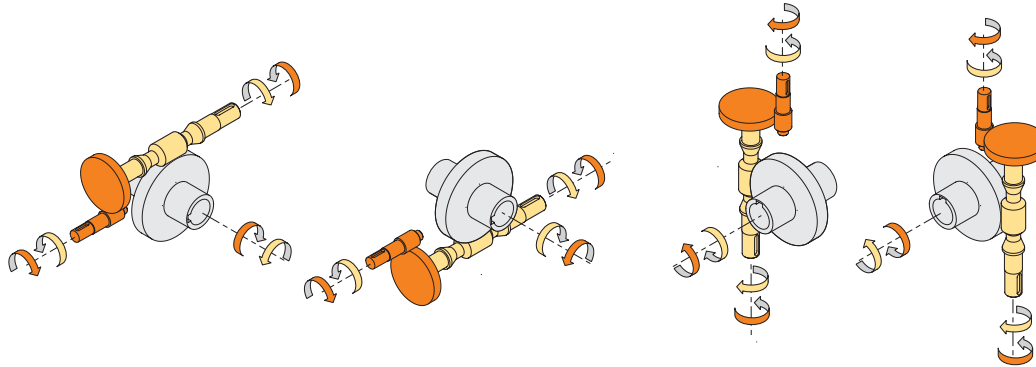
运转方向

Direction of rotation

CL




CLP



代号说明

Symbols

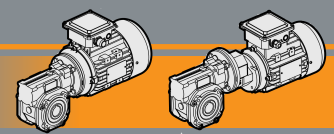
n_1	[min ⁻¹]	输入转速 / <i>Input speed</i>	sf	服务系数 / <i>Service factor</i>
n_2	[min ⁻¹]	输出转速 / <i>Output speed</i>	Rd	% 动态效率 / <i>Dynamic efficiency</i>
i		速比 / <i>Ratio</i>	Rs	% 静态效率 / <i>Static efficiency</i>
P_1	[kW]	输入功率 / <i>Input power</i>	R_2	[N] 输出端许用径向负荷 / <i>Permitted output radial load</i>
M_2	[Nm]	输出扭矩参照 P_1 / <i>Output torque referred to P_1</i>	A_2	[N] 输出端许用轴向负荷 / <i>Permitted output axial load</i>
P_{n1}	[kW]	额定输入功率 / <i>Nominal input power</i>	Z	蜗杆头数 / <i>Worm starts</i>
M_{n2}	[Nm]	额定输出扭矩参照 P_{n1} / <i>Nominal output torque referred to P_{n1}</i>	β	螺旋角 / <i>Helix angle</i>
 Kg	[kg]	减速机重量 / <i>Weight of the gearbox only</i>		

润滑油

Lubrication

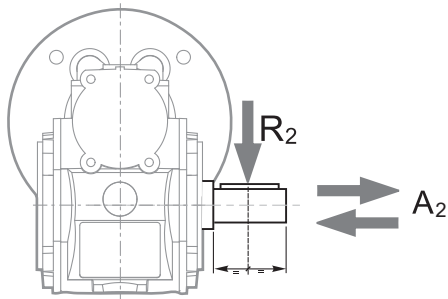
减速机使用长寿命人工合成润滑油（粘度320），因为这个原因可以在任意位置安装，并免维护。

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.



径向负荷

Radial loads

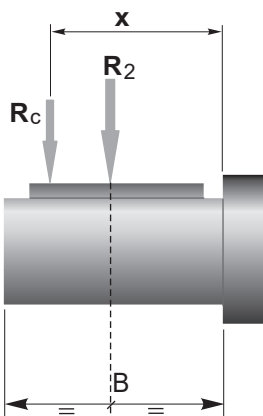


$$A_2 = R_2 \times 0.2$$

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	

当产生的径向负荷不是作用在传动轴伸出长度的中间位置，必须用以下公式来计算有效负荷：

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

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

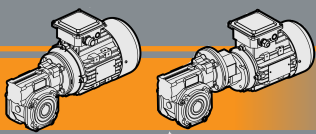
a, b = 图表中给出的值
a, b = values given in the table

$$R \leq R_c$$

齿面参数

Toothing data

	蜗杆参数 Worm wheel data	速比 / 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'



CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

效率

Efficiency

	n ₁ [min ⁻¹]	效率	速比 / 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





减速机的理论效率是在第一个运转周期之后

Theoretical efficiency of the gearbox after the first running period

技术参数

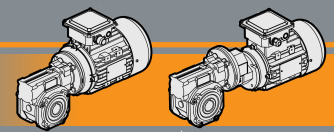
n₁ 1400 min⁻¹

Technical data

	n ₂ [min ⁻¹]	Mn ₂ [Nm]	Pn ₁ [kW]	i		n ₂ [min ⁻¹]	Mn ₂ [Nm]	Pn ₁ [kW]	i
CLIS026					CLIS050				
	280	13	0.44	5		280	75	2.5	5
	187	14	0.33	7.5		187	79	1.8	7.5
	140	14	0.25	10		140	82	1.4	10
	93	14	0.18	15		93	82	0.98	15
	70	14	0.14	20		70	72	0.67	20
	47	15	0.11	30		56	70	0.54	25
	35	14	0.08	40		47	88	0.60	30
	28	13	0.07	50		35	76	0.42	40
	23	12	0.06	60		28	72	0.34	50
						23	69	0.28	60
						18	60	0.20	80
						14	56	0.17	100
CLIS030					CLIS063				
	280	18	0.61	5		280	134	4.4	5
	187	20	0.46	7.5		187	144	3.2	7.5
	140	21	0.37	10		140	148	2.5	10
	93	21	0.26	15		93	154	1.8	15
	70	19	0.19	20		70	136	1.23	20
	56	20	0.16	25		56	135	1.0	25
	47	22	0.16	30		47	166	1.1	30
	35	20	0.12	40		35	142	0.74	40
	28	19	0.10	50		28	136	0.60	50
	23	17	0.08	60		23	126	0.49	60
	18	15	0.06	80		18	118	0.38	80
	14	14	0.05	100		14	116	0.33	100
CLIS040									
	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					

注释: Pn₁ 表示机械的输入功率, 由于温度等因素会有所减低。更多详情请联系我们的技术部。


Note:
Pn₁ 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.



技术参数







n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i
CLIS070				
	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

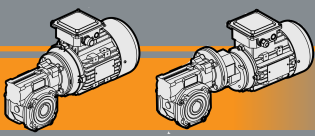
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.06 - IEC 56								0.09 - IEC 56							
TS5614	280	1.8	7.3	5	CL026			TS5624 (1400 min ⁻¹)	280	2.7	4.9	5	CL026		B14
	187	2.6	5.4	7.5	CL026				187	3.9	3.6	7.5	CL026		B14
	140	3.4	4.1	10	CL026				140	5.1	2.7	10	CL026		B14
	93	4.8	2.9	15	CL026				93	7.2	1.9	15	CL026		B14
	70	6.1	2.3	20	CL026				70	9.1	1.5	20	CL026		B14
	47	8.1	1.9	30	CL026				47	12	1.2	30	CL026		B14
	35	10	1.4	40	CL026				35	15	0.9	40	CL026		B14
	28	12	1.1	50	CL026										
	23	13	0.9	60	CL026										
	280	1.8	10.2	5	CL030				280	2.6	6.8	5	CL030		B5/B14
	187	2.6	7.7	7.5	CL030				187	3.9	5.1	7.5	CL030		B5/B14
	140	3.4	6.1	10	CL030				140	5.2	4.1	10	CL030		B5/B14
	93	4.9	4.3	15	CL030				93	7.3	2.9	15	CL030		B5/B14
	70	6.1	3.1	20	CL030				70	9.2	2.1	20	CL030		B5/B14
	56	7.4	2.7	25	CL030				56	11	1.8	25	CL030		B5/B14
	47	8.2	2.7	30	CL030				47	12	1.8	30	CL030		B5/B14
	35	10	2.0	40	CL030				35	15	1.3	40	CL030		B5/B14
	28	12	1.6	50	CL030				28	18	1.1	50	CL030		B5/B14
	23	14	1.3	60	CL030				23	20	0.8	60	CL030		B5/B14
	23	16	1.6	60		CLP056/030	B14		23	24	1.1	60		CLP056/030	B14
	19	19	1.4	75		CLP056/030	B14		19	29	0.9	75		CLP056/030	B14
	18	16	1.0	80	CL030		B5/B14		16	32	1.0	90		CLP056/030	B14
	16	21	1.6	90		CLP056/030	B14		12	38	0.8	120		CLP056/030	B14
	14	18	0.8	100	CL030		B5/B14								
	12	25	1.1	120		CLP056/030	B14		35	16	2.6	40	CL040		B5/B14
	9	29	0.9	150		CLP056/030	B14		28	18	2.1	50	CL040		B5/B14
									23	21	1.7	60	CL040		B5/B14
									23	25	2.3	60		CLP056/040	B14
	28	12	3.2	50	CL040		B5/B14		19	30	1.7	75		CLP056/040	B14
	23	14	2.5	60	CL040		B5/B14		18	26	1.3	80	CL040		B5/B14
	23	17	3.4	60		CLP056/040	B14		16	34	2.1	90		CLP056/040	B14
	19	20	2.6	75		CLP056/040	B14		14	28	1.1	100	CL040		B5/B14
	18	17	1.9	80	CL040		B5/B14		12	42	1.5	120		CLP056/040	B14
	16	23	3.1	90		CLP056/040	B14		9	48	1.2	150		CLP056/040	B14
	14	19	1.6	100	CL040		B5/B14		8	53	1.0	180		CLP056/040	B14
	12	28	2.2	120		CLP056/040	B14		5.8	62	0.8	240		CLP056/040	B14
	9	32	1.8	150		CLP056/040	B14								
	8	35	1.5	180		CLP056/040	B14								
	6	41	1.1	240		CLP056/040	B14								
	5	46	0.9	300		CLP056/040	B14								



电机 Motors	TS
	5614 5624
IEC	56 B5 / B14



CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i				
0.12 - IEC 63							0.18 - IEC 63								
TS6314 (1400 min ⁻¹)	280	4	5.1	5	CL030		B5-B14	TS6324 (1400 min ⁻¹)	280	5.4	7.6	5	CL040		B5/B14
	187	5	3.8	7.5	CL030		B5-B14		187	7.9	5.6	7.5	CL040		B5/B14
	140	7	3.1	10	CL030		B5-B14		140	10	4.4	10	CL040		B5/B14
	93	10	2.2	15	CL030		B5-B14		93	15	3.0	15	CL040		B5/B14
	70	12	1.5	20	CL030		B5-B14		70	19	2.1	20	CL040		B5/B14
	56	15	1.4	25	CL030		B5-B14		56	23	1.7	25	CL040		B5/B14
	47	16	1.3	30	CL030		B5-B14		47	26	1.9	30	CL040		B5/B14
	35	20	1.0	40	CL030		B5-B14		35	32	1.3	40	CL040		B5/B14
	28	24	0.8	50	CL030		B5-B14		28	37	1.1	50	CL040		B5/B14
									23	43	0.8	60	CL040		B5/B14
	280	4	11.4	5	CL040		B5-B14		23	51	1.1	60		CLP063/040	B14
	187	5	8.3	7.5	CL040		B5-B14		19	60	0.9	75		CLP063/040	B14
	140	7	6.5	10	CL040		B5-B14		16	68	1.0	90		CLP063/040	B14
	93	10	4.5	15	CL040		B5-B14								
	70	13	3.1	20	CL040		B5-B14		35	33	2.3	40	CL050		B5/B14
	56	15	2.5	25	CL040		B5-B14		28	39	1.9	50	CL050		B5/B14
	47	17	2.8	30	CL040		B5-B14		23	44	1.6	60	CL050		B5/B14
	35	21	2.0	40	CL040		B5-B14		23	51	2.0	60		CLP063/050	B14
	28	25	1.6	50	CL040		B5-B14		19	60	1.5	75		CLP063/050	B14
	23	28	1.3	60	CL040		B5-B14		18	53	1.1	80	CL050		B5/B14
	23	34	1.7	60		CLP063/040	B14		16	70	1.8	90		CLP063/050	B14
	19	40	1.3	75		CLP063/040	B14		14	60	0.9	100	CL050		B5/B14
	18	34	1.0	80	CL040		B5-B14		12	85	1.3	120		CLP063/050	B14
	16	45	1.6	90		CLP063/040	B14		9.3	99	1.0	150		CLP063/050	B14
	14	38	0.8	100	CL040		B5-B14		7.8	110	0.9	180		CLP063/050	B14
	12	56	1.1	120		CLP063/040	B14								
									23	46	2.7	60	CL063		B5
	35	22	3.5	40	CL050		B5-B14		23	53	3.6	60		CLP063/063	B14
	28	26	2.8	50	CL050		B5-B14		19	63	2.7	75		CLP063/063	B14
	23	29	2.3	60	CL050		B5-B14		18	56	2.1	80	CL063		B5
	23	34	3.0	60		CLP063/050	B14		16	69	3.4	90		CLP063/063	B14
	19	40	2.3	75		CLP063/050	B14		14	64	1.8	100	CL063		B5
	18	35	1.7	80	CL050		B5-B14		12	87	2.4	120		CLP063/063	B14
	16	47	2.7	90		CLP063/050	B14		9.3	103	1.9	150		CLP063/063	B14
	14	40	1.4	100	CL050		B5-B14		7.8	115	1.6	180		CLP063/063	B14
	12	57	1.9	120		CLP063/050	B14		5.8	136	1.1	240		CLP063/063	B14
	9.3	66	1.6	150		CLP063/050	B14		4.7	152	0.9	300		CLP063/063	B14
	7.8	74	1.3	180		CLP063/050	B14								
	5.8	85	1.0	240		CLP063/050	B14	0.25 - IEC 63							
								TS6334 (1400 min ⁻¹)	280	7.3	2.5	5	CL030		B5/B14
	14	43	2.7	100	CL063		B5		187	11	1.8	7.5	CL030		B5/B14
	9.3	69	2.8	150		CLP063/063	B14		140	14	1.5	10	CL030		B5/B14
	7.8	77	2.3	180		CLP063/063	B14		93	20	1.0	15	CL030		B5/B14
	5.8	90	1.7	240		CLP063/063	B14		280	7.5	5.5	5	CL040		B5/B14
	4.7	101	1.4	300		CLP063/063	B14		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
									28	51	0.8	50	CL040		B5/B14

0.18 - IEC 63

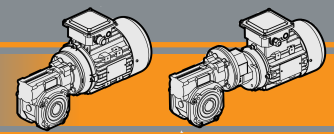
TS6324 (1400 min ⁻¹)	280	5.3	3.4	5	CL030		B5/B14
	187	7.8	2.6	7.5	CL030		B5/B14
	140	10	2.0	10	CL030		B5/B14
	93	15	1.4	15	CL030		B5/B14
	70	18	1.0	20	CL030		B5/B14
	56	22	0.9	25	CL030		B5/B14
	47	25	0.9	30	CL030		B5/B14

0.25 - IEC 63

TS6334 (1400 min ⁻¹)	280	7.3	2.5	5	CL030		B5/B14
	187	11	1.8	7.5	CL030		B5/B14
	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
	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
	28	51	0.8	50	CL040		B5/B14



	TS
电机 Motors	6314
	6324
	6334
IEC	63 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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0.25 - IEC 63

TS6334 (1400 min ⁻¹)	n ₂	M ₂	sf	i	CL050	CLP063/050	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

TS7114 (1400 min ⁻¹)	n ₂	M ₂	sf	i	CL070	CLP071/070	B5
	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 71

TS7124 (1400 min ⁻¹)	n ₂	M ₂	sf	i	CL040	CLP071/050	B5/B14
	280	11	3.7	5	CL040		B5/B14
	187	16	2.7	7.5	CL040		B5/B14
	140	21	2.1	10	CL040		B5/B14
	93	31	1.5	15	CL040		B5/B14
	70	39	1.0	20	CL040		B5/B14
	56	47	0.8	25	CL040		B5/B14
	47	53	0.9	30	CL040		B5/B14
	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
	28	86	2.2	50	CL070		B5
	23	98	1.8	60	CL070		B5
	23	110	2.6	60		CLP071/070	B14
	19	132	1.9	75		CLP071/070	B14
	18	121	1.3	80	CL070		B5
	16	147	2.3	90		CLP071/070	B14
	14	134	1.2	100	CL070		B5
	12	181	1.7	120		CLP071/070	B14
	9.3	211	1.3	150		CLP071/070	B14
	7.8	236	1.1	180		CLP071/070	B14

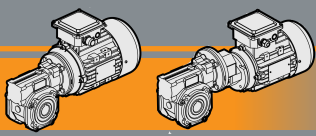
CL/CLP

0.25 - IEC 71

TS7114 (1400 min ⁻¹)	n ₂	M ₂	sf	i	CL040	CLP071/050	B5-B14
	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
	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		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



电机 Motors	TS	
	6334	7114 7124 7134
IEC	63 B5 / B14	71 B5 / B14



CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

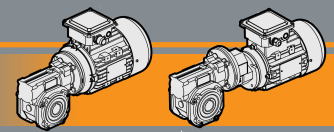
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			
0.55 - IEC 71							0.75 - IEC 71							
TS7134 (1400 min ⁻¹)	280	17	2.5	5	CL040	B5/B14	TS7144 (1400 min ⁻¹)	280	23	1.8	5	CL040	B5/B14	
	187	24	1.8	7.5	CL040	B5/B14		187	33	1.3	7.5	CL040	B5/B14	
	140	32	1.4	10	CL040	B5/B14		140	43	1.0	10	CL040	B5/B14	
	93	46	1.0	15	CL040	B5/B14								
	140	32	2.6	10	CL050	B5/B14		280	23	3.3	5	CL050	B5/B14	
	93	46	1.8	15	CL050	B5/B14		187	33	2.4	7.5	CL050	B5/B14	
	70	59	1.2	20	CL050	B5/B14		140	43	1.9	10	CL050	B5/B14	
	56	71	1.0	25	CL050	B5/B14		93	63	1.3	15	CL050	B5/B14	
	47	81	1.1	30	CL050	B5/B14		70	81	0.9	20	CL050	B5/B14	
	35	101	0.8	40	CL050	B5/B14		47	111	0.8	30	CL050	B5/B14	
	70	61	2.2	20	CL063	B5/B14		93	64	2.4	15	CL063	B5/B14	
	56	73	1.8	25	CL063	B5/B14		70	83	1.6	20	CL063	B5/B14	
	47	84	2.0	30	CL063	B5/B14		56	100	1.4	25	CL063	B5/B14	
	35	105	1.4	40	CL063	B5/B14		47	115	1.4	30	CL063	B5/B14	
	28	124	1.1	50	CL063	B5/B14		35	143	1.0	40	CL063	B5/B14	
	23	142	0.9	60	CL063	B5/B14		28	169	0.8	50	CL063	B5/B14	
	23	161	1.2	60		CLP071/063	B14	23	220	0.9	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		70	85	2.4	20	CL070	B5	
	28	128	1.5	50	CL070	B5		56	102	1.8	25	CL070	B5	
	23	146	1.2	60	CL070	B5		47	118	2.1	30	CL070	B5	
	23	163	1.7	60		CLP071/070	B14	35	149	1.4	40	CL070	B5	
	19	196	1.3	75		CLP071/070	B14	28	177	1.1	50	CL070	B5	
	18	180	0.9	80	CL070	B5		23	203	0.9	60	CL070	B5	
	16	218	1.6	90		CLP071/070	B14	23	223	1.3	60		CLP071/070	B14
	12	269	1.1	120		CLP071/070	B5	19	267	0.9	75		CLP071/070	B14
	9.3	314	0.9	150		CLP071/070	B14	16	298	1.1	90		CLP071/070	B14
0.55 - IEC 80							0.75 - IEC 80							
TS8014 (1400 min ⁻¹)	280	17	4.5	5	CL050	B5/B14	TS8024 (1400 min ⁻¹)	280	23	3.3	5	CL050	B5/B14	
	187	24	3.2	7.5	CL050	B5/B14		187	33	2.4	7.5	CL050	B5/B14	
	140	32	2.6	10	CL050	B5/B14		140	43	1.9	10	CL050	B5/B14	
	93	46	1.8	15	CL050	B5/B14		93	63	1.3	15	CL050	B5/B14	
	70	59	1.2	20	CL050	B5/B14		70	81	0.9	20	CL050	B5/B14	
	56	71	1.0	25	CL050	B5/B14		47	111	0.8	30	CL050	B5/B14	
	47	81	1.1	30	CL050	B5/B14								
	70	61	2.2	20	CL063	B5/B14		93	64	2.4	15	CL063	B5/B14	
	56	73	1.8	25	CL063	B5/B14		70	83	1.6	20	CL063	B5/B14	
	47	84	2.0	30	CL063	B5/B14		56	100	1.4	25	CL063	B5/B14	
	35	105	1.4	40	CL063	B5/B14		47	115	1.4	30	CL063	B5/B14	
	28	124	1.1	50	CL063	B5/B14		35	143	1.0	40	CL063	B5/B14	
	23	142	0.9	60	CL063	B5/B14		28	169	0.8	50	CL063	B5/B14	
	23	161	1.2	60		CLP080/063	B14	23	220	0.9	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		70	85	2.4	20	CL070	B5/B14	
	28	128	1.5	50	CL070	B5/B14		56	102	1.8	25	CL070	B5/B14	
	23	146	1.2	60	CL070	B5/B14		47	118	2.1	30	CL070	B5/B14	
	23	163	1.7	60		CLP080/070	B14	35	149	1.4	40	CL070	B5/B14	
	19	196	1.3	75		CLP080/070	B14	28	177	1.1	50	CL070	B5/B14	
	18	180	0.9	80	CL070	B5/B14		23	203	0.9	60	CL070	B5/B14	
	16	218	1.6	90		CLP080/070	B14	23	223	1.3	60		CLP080/070	B14
	12	269	1.1	120		CLP080/070	B14	19	267	0.9	75		CLP080/070	B14
								16	298	1.1	90		CLP080/070	B14



电机 Motors	TS	
	7134 7144	8014 8024
IEC	71 B5 / B14	80 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
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1.1 - IEC 80

TS8034 (1400 min ⁻¹)	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
	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	

1.5 - IEC 90

TS90L14 (1400 min ⁻¹)	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
	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

1.1 - IEC 90

TS90S4 (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	
	187	50	4.0	7.5	CL070	B5/B14
	140	65	3.3	10	CL070	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

2.2 - IEC 90

TS90L24 (1400 min ⁻¹)	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
	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

TS100L24 (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

TS112M4 (1400 min ⁻¹)	187	182	1.1	7.5	CL070	B5/B14
	140	237	0.9	10	CL070	B5/B14



电机 Motors	TS			
	8034	90S4 90L14 90L24	100L14 100L24	112M4
IEC	80 B5 / B14	90 B5 / B14	100 B14 / B5	112 B14 / B5

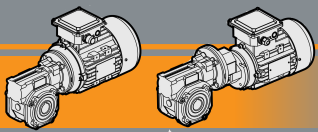
电机技术参数

Electrical technical data

请参见专用页面:

Please see the dedicated paragraph:





CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

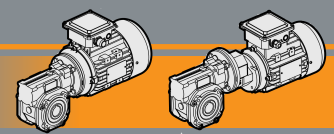
IEC电机适配表

IEC Motor adapters

	TS					
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24	100L14
CL026						
CL030						
CL040						
CL050						
CL063						
CL070						
CLP056/...						
CLP063/...						
CLP071/...						
CLP080/...						
CLP090/...						

备注：灰色部分指改型号有适合的电机输入。

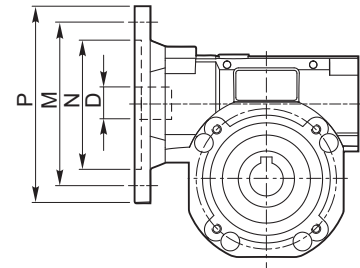
N.B. Grey areas indicate motor inputs available on each size of unit.



IEC电机适配表

IEC Motor adapters

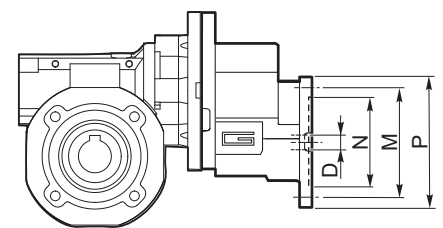
	IEC	N	M	P	D	i																	
						5	7.5	10	15	20	25	30	40	50	60	80	100						
CL026	56B14	50	65	80	9																		
CL030	63B5	95	115	140	11																		
	63B14	60	75	90																			
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	B									
	56B14	50	65	80																			
CL040	71B5	110	130	160	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	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	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												
	80B14	80	100	120																			
	71B5	110	130	160	14	BS	BS	BS	BS	BS	BS	BS	B	B	B								
	71B14	70	85	105																			
CL070	63B5	95	115	140	11									BS	BS	BS	B	B					
	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							



注释: Nema法兰可选
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 90 B5	95 130	115 165	140 200	24	B											

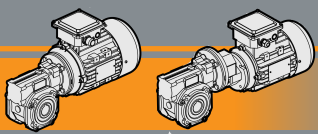


备注:

灰色部分指该型号有适合的电机输入。

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

B/BS = 金属轴套
B/BS = Metal shaft sleeve

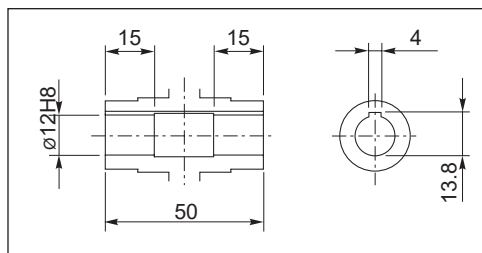
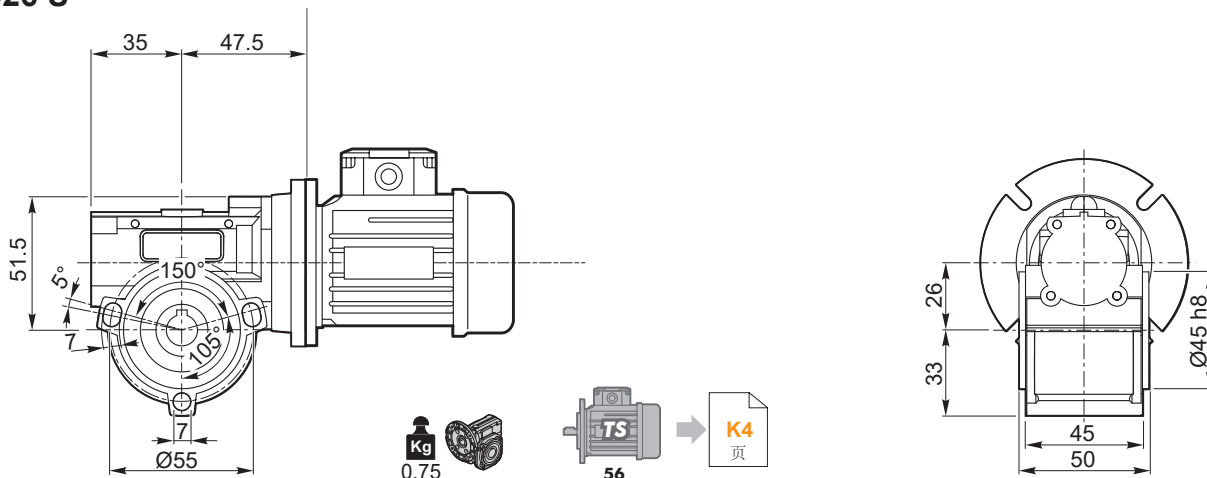


CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

尺寸参数

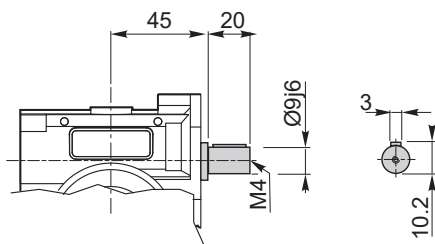
Dimensions

CL 026 U

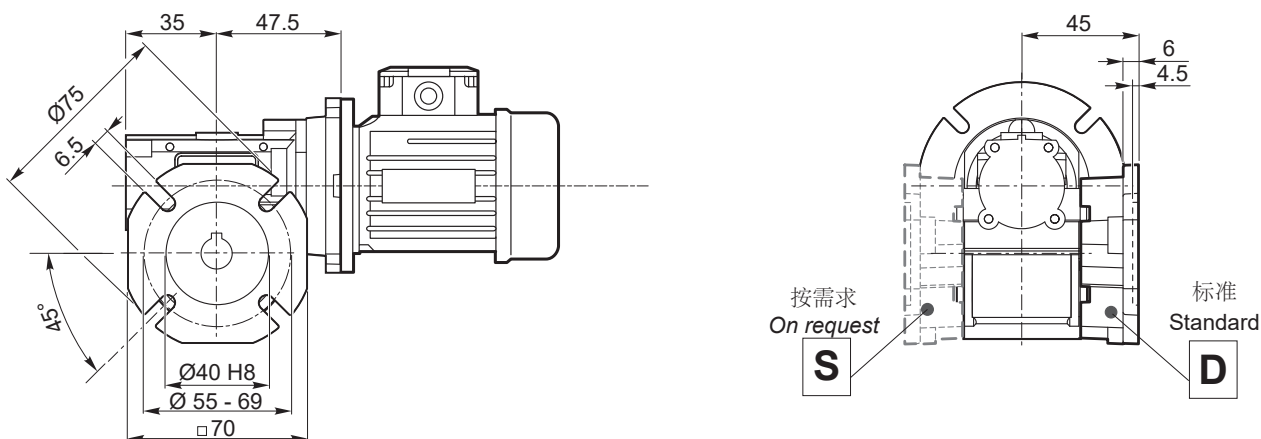


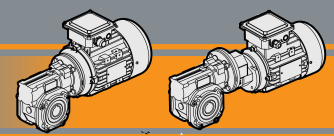
空心输出轴 / Hollow output shaft

CLIS 026 ..



CL 026 F

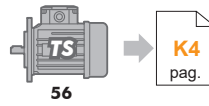
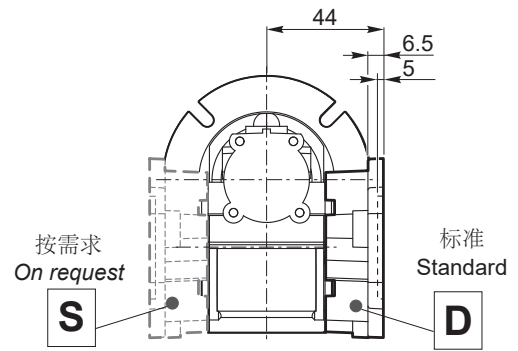
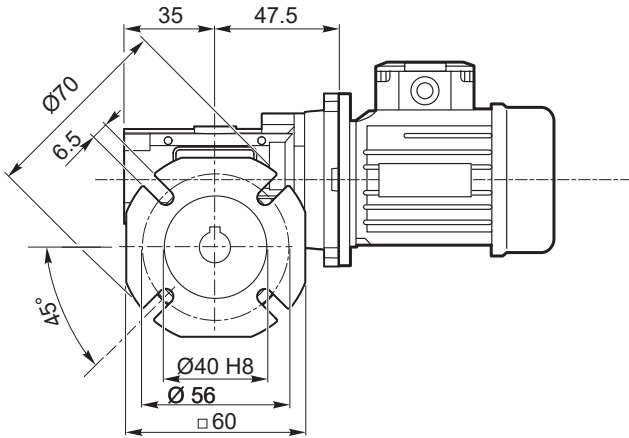




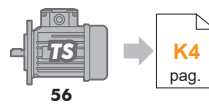
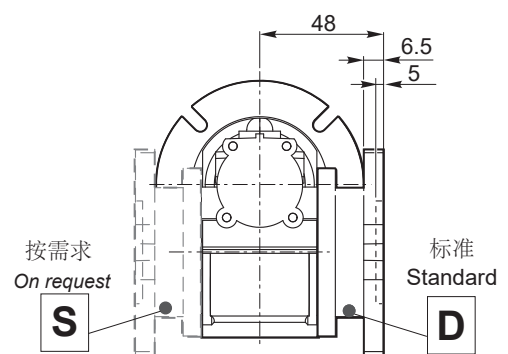
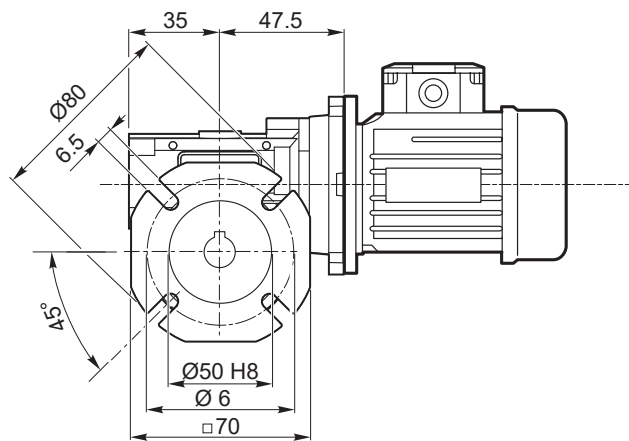
尺寸参数

Dimensions

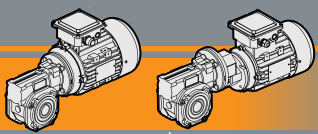
CL 026 F28



CL 026 F30



CL/CLP

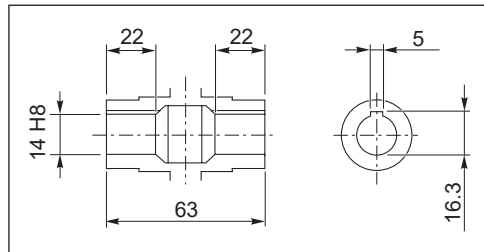
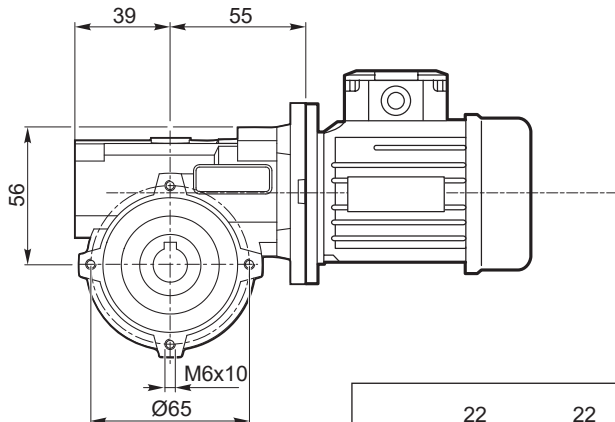


CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

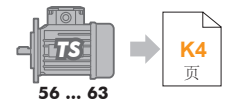
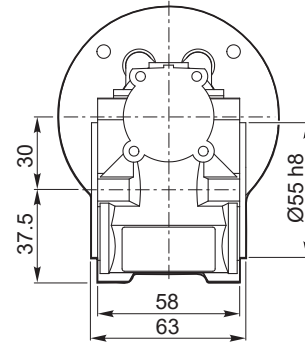
尺寸参数

Dimensions

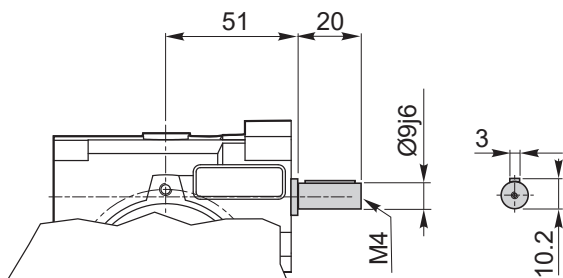
CL 030 U



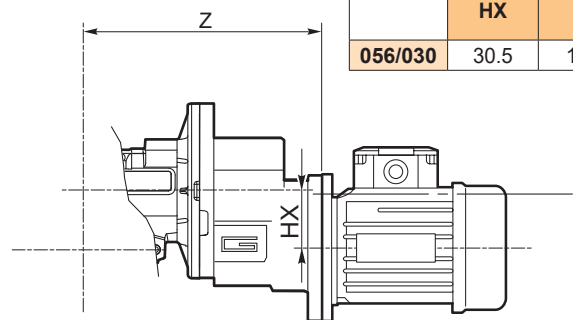
空心输出轴 / Hollow output shaft



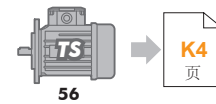
CLIS 030 ..



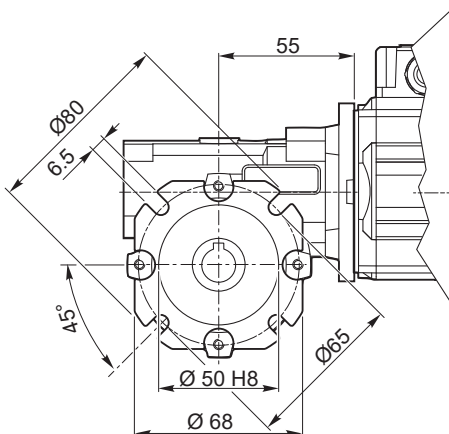
CLP 050/030... CLP 056/030...



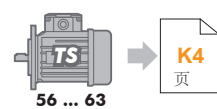
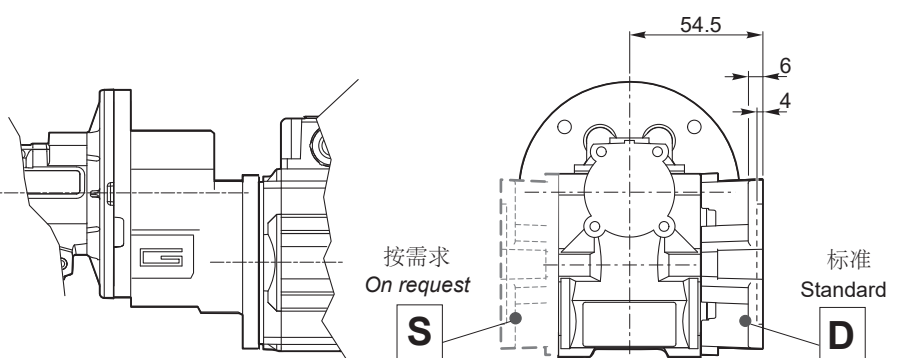
	HX	Z	Kg
056/030	30.5	124	2.0

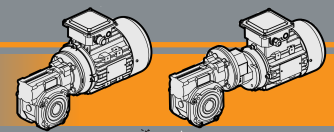


CL 030 F



CLP../030 F

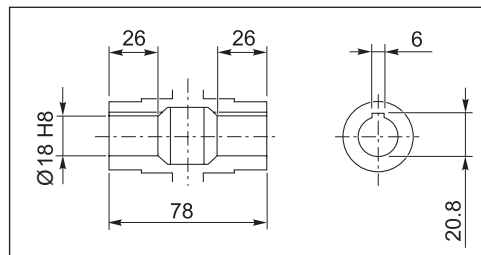
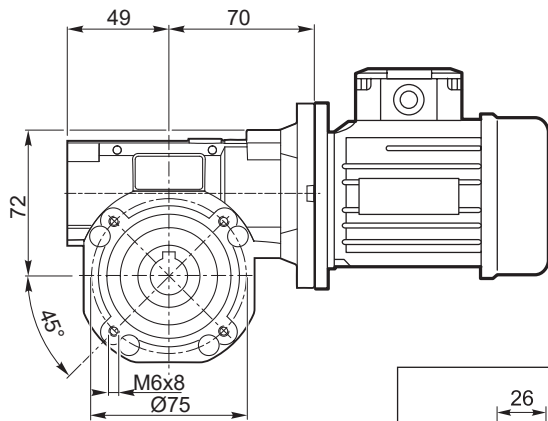




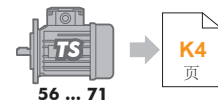
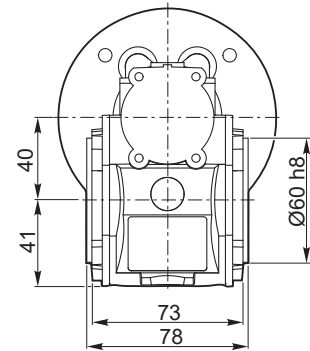
尺寸参数

Dimensions

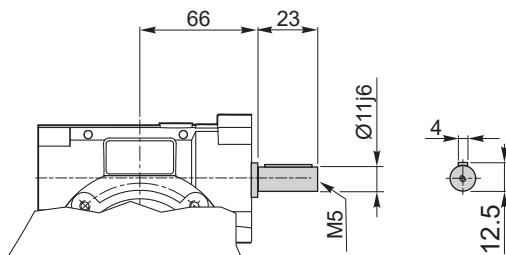
CL 040 U



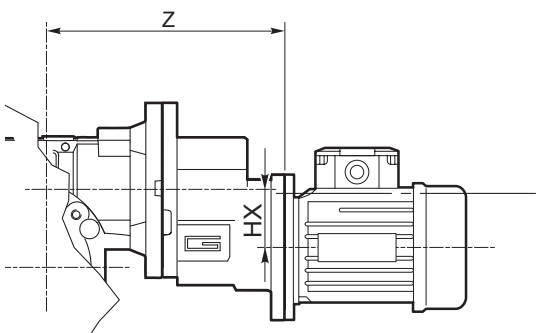
空心输出轴 / Hollow output shaft





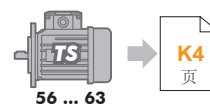
CLIS 040 ..

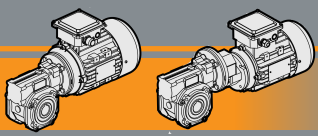


CLP .../040 ...U



	HX	Z	 
056/040	30.5	139	3.0
063/040	30.5	142	3.1



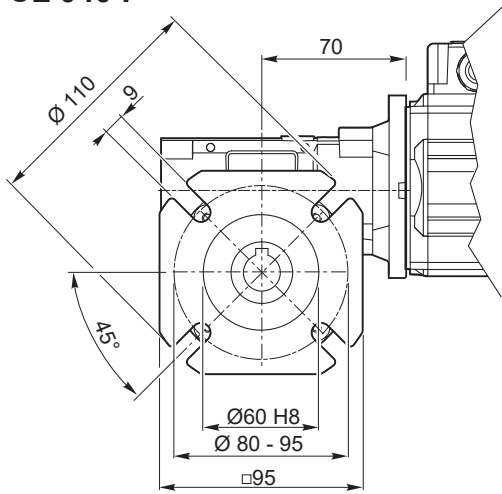


CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

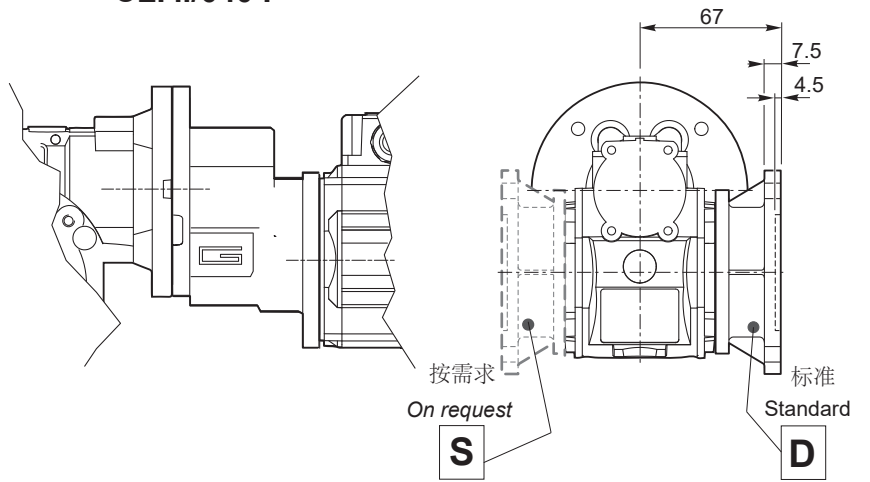
尺寸参数

Dimensions

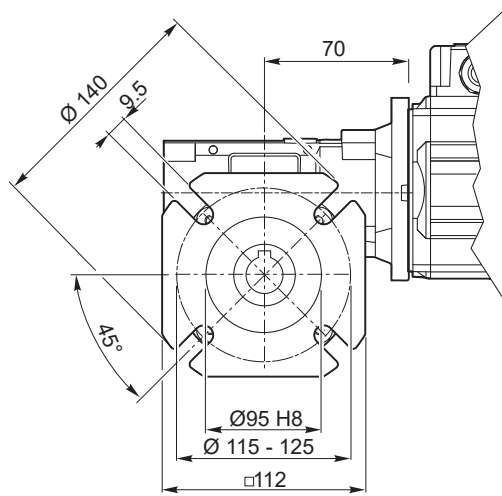
CL 040 F



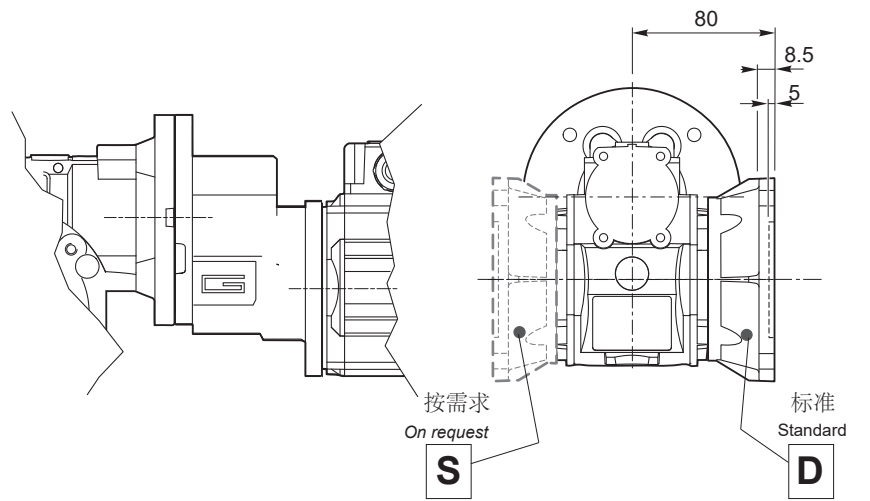
CLP../040 F



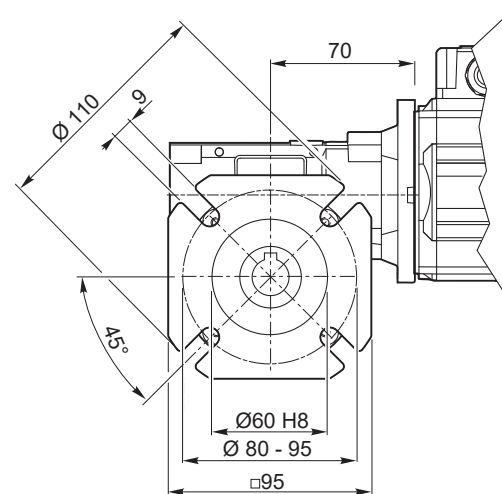
CL 040 FB



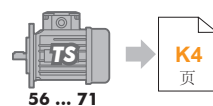
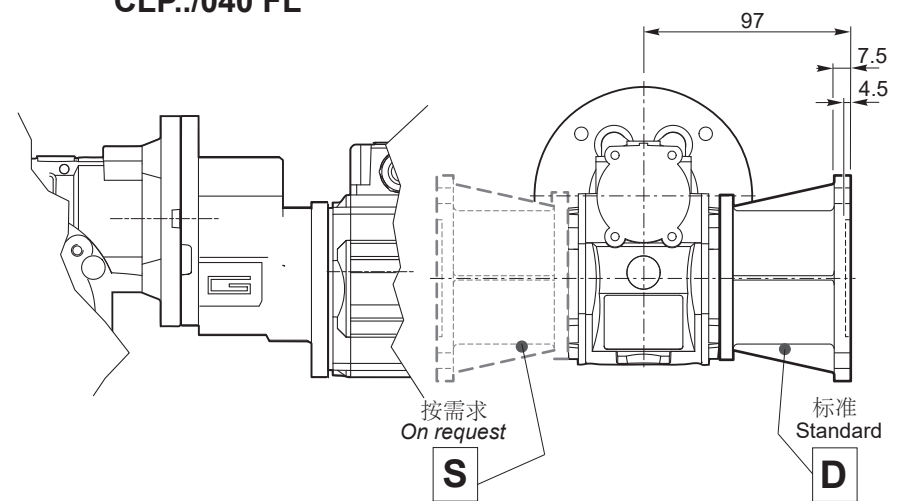
CLP../040 FB

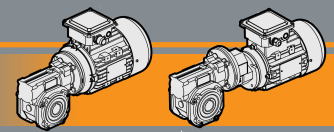


CL 040 FL



CLP../040 FL

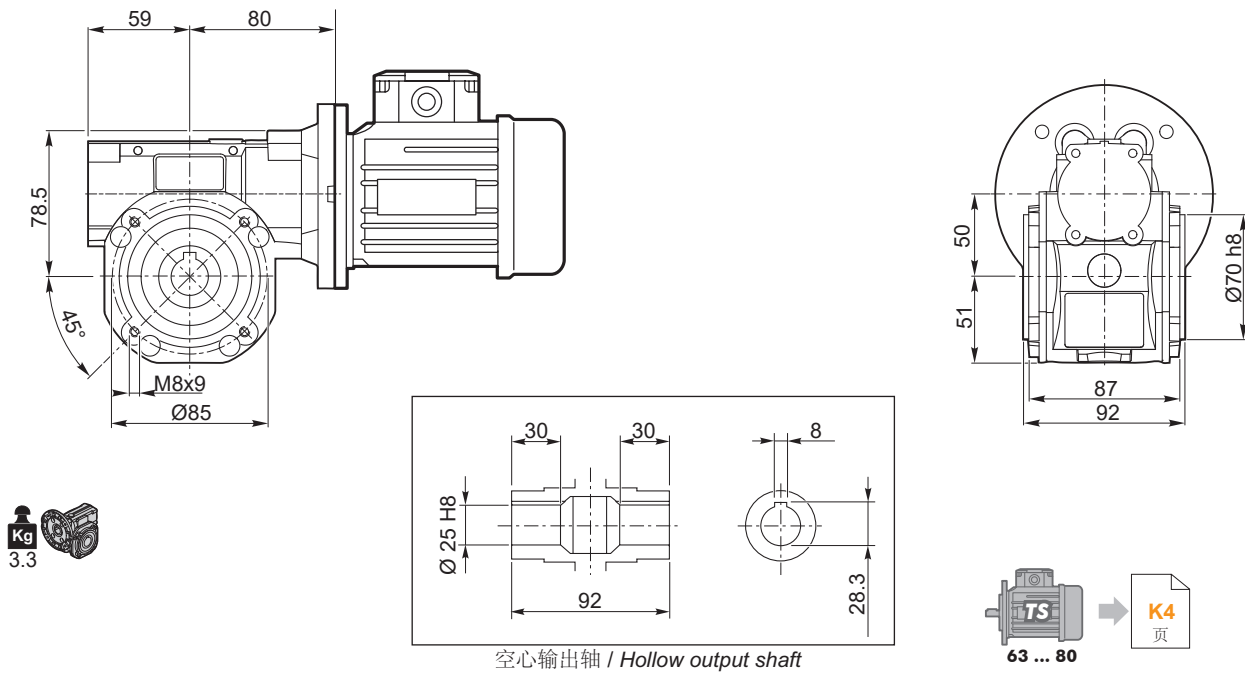




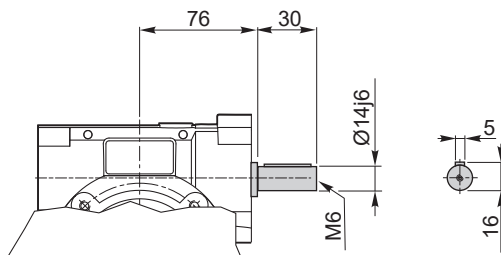
尺寸参数

Dimensions

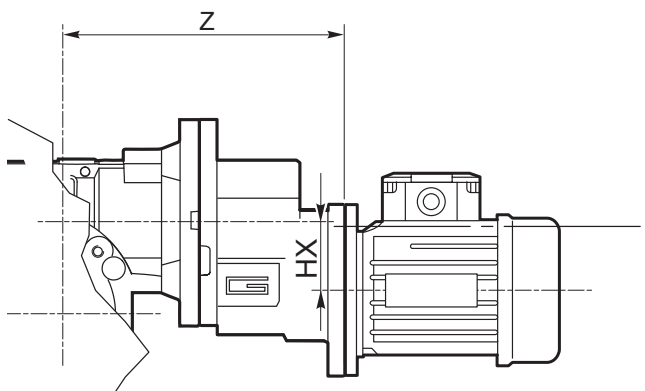
CL 050 U





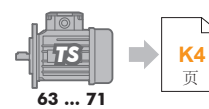
CLIS 050 ..



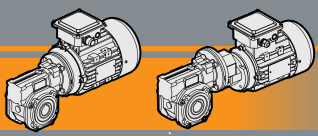
CLP .../050 ...U



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



CL/CLP

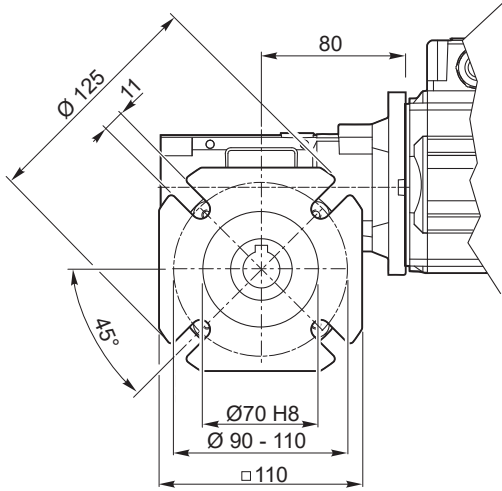


CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

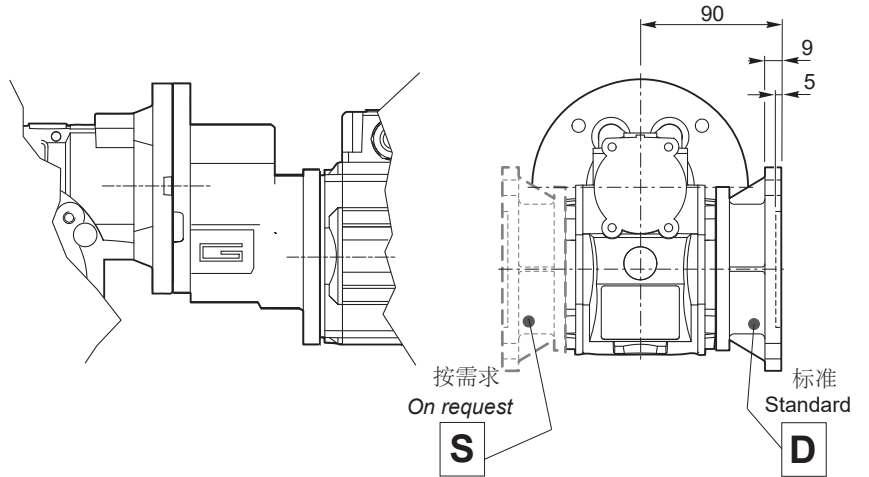
尺寸参数

Dimensions

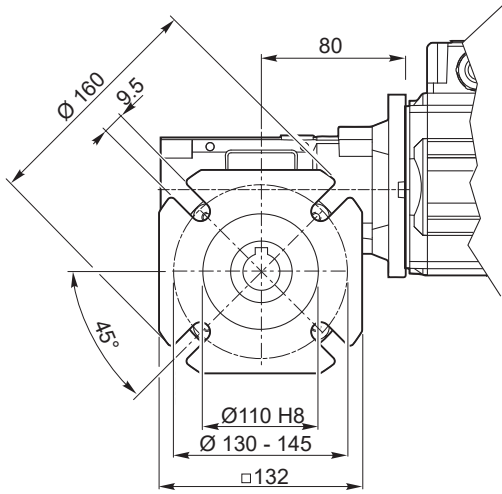
CL 050 F



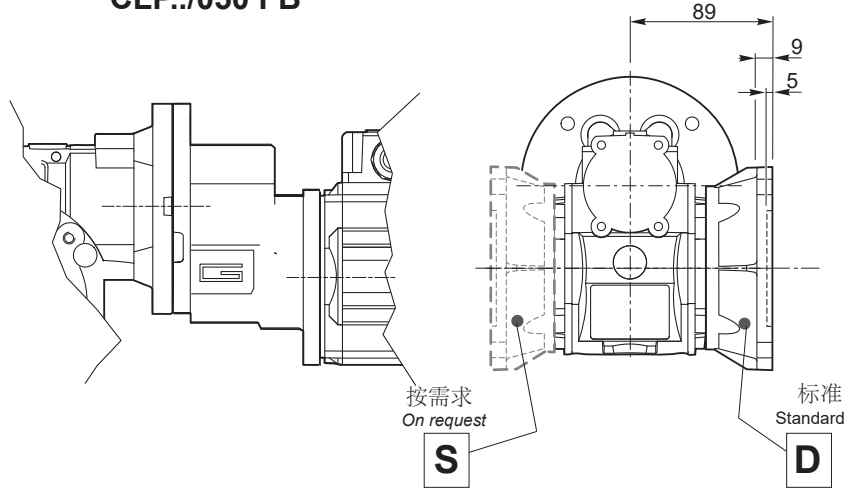
CLP../050 F



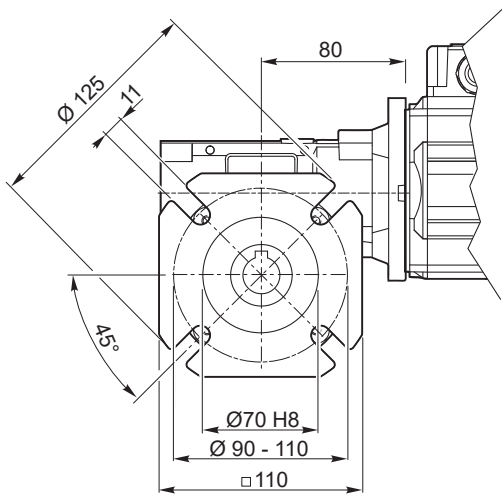
CL 050 FB



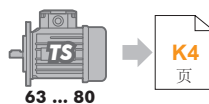
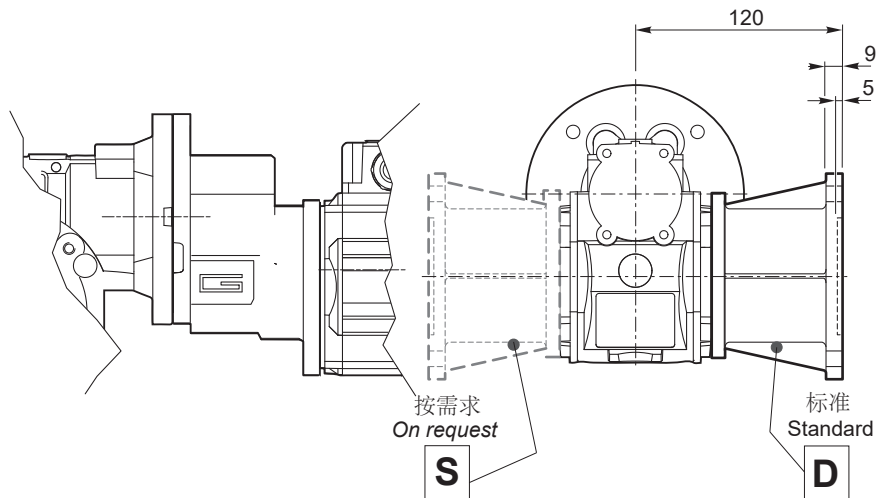
CLP../050 FB

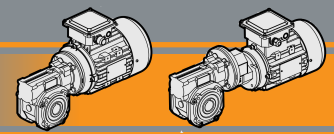


CL 050 FL



CLP../050 FL

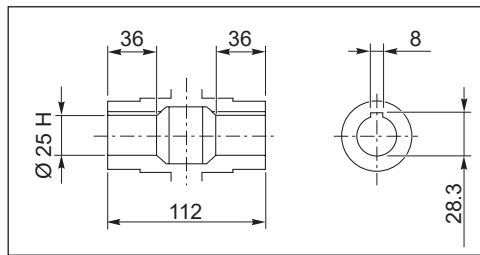
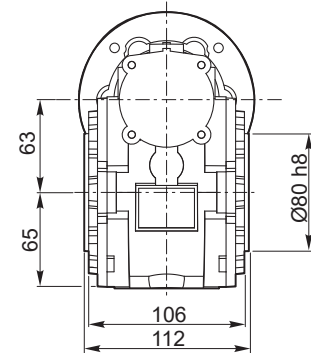
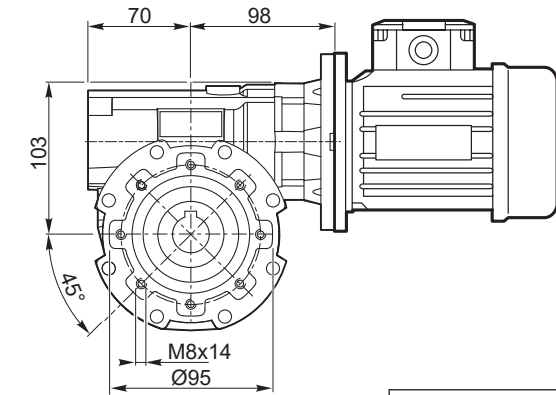




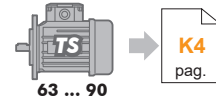
尺寸参数

Dimensions

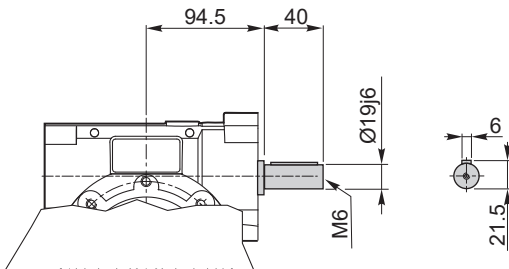
CL 063 U



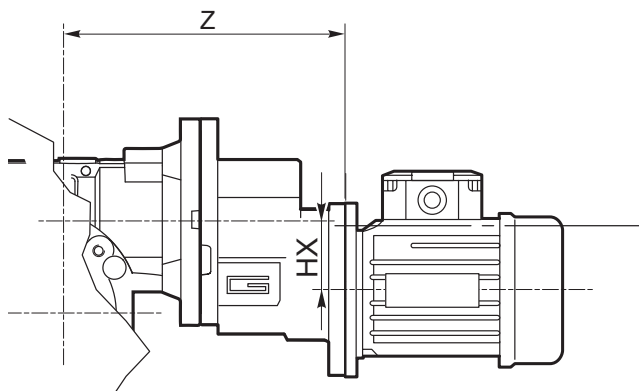
Albero lento cavo / Hollow output shaft





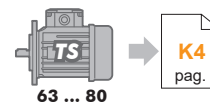
CLIS 063 ..

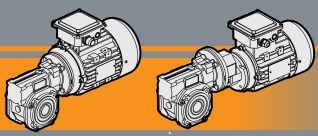


CLP .../063 ...U



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





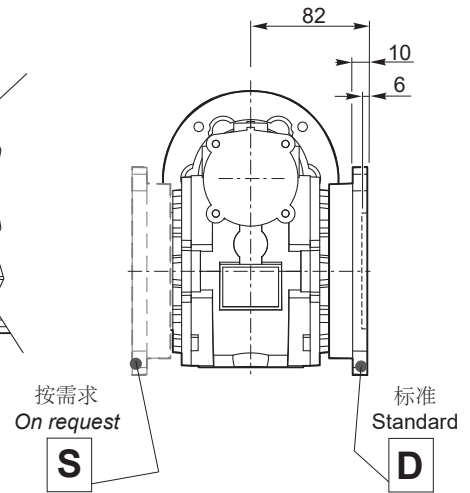
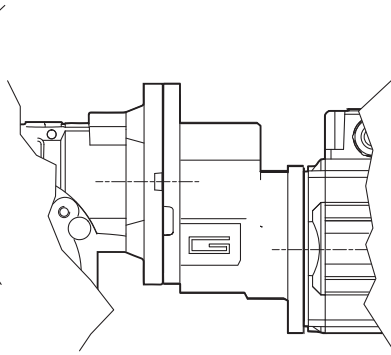
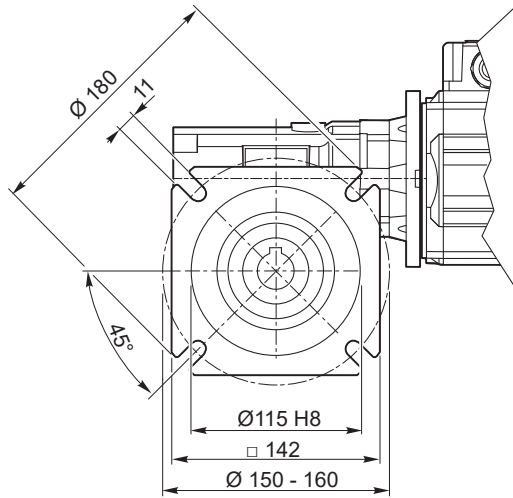
CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

尺寸参数

Dimensions

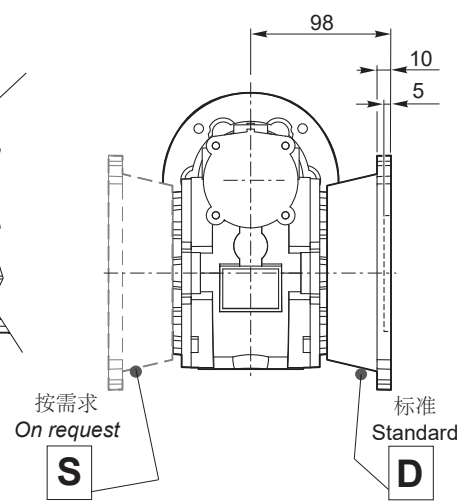
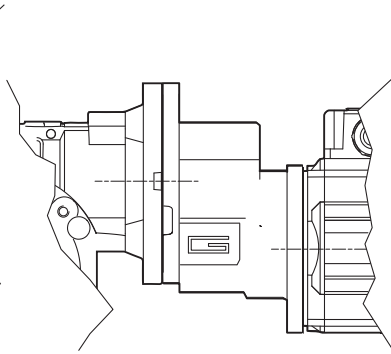
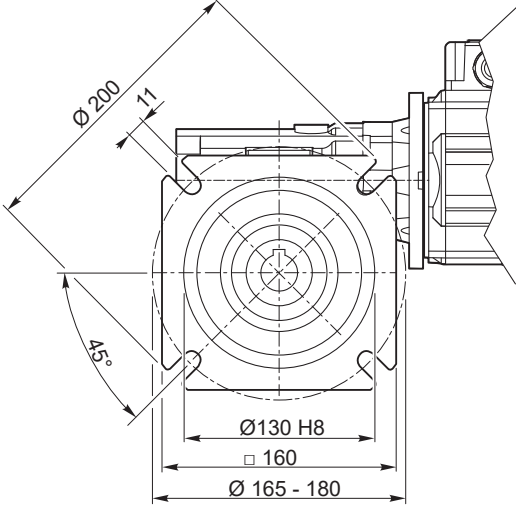
CL 063 F

CLP../063 F



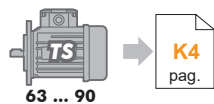
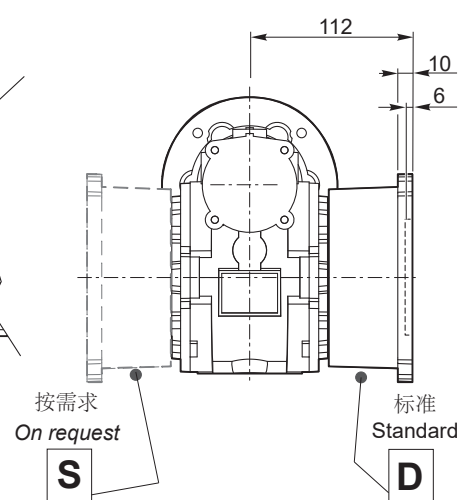
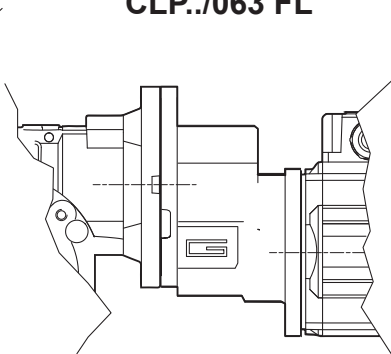
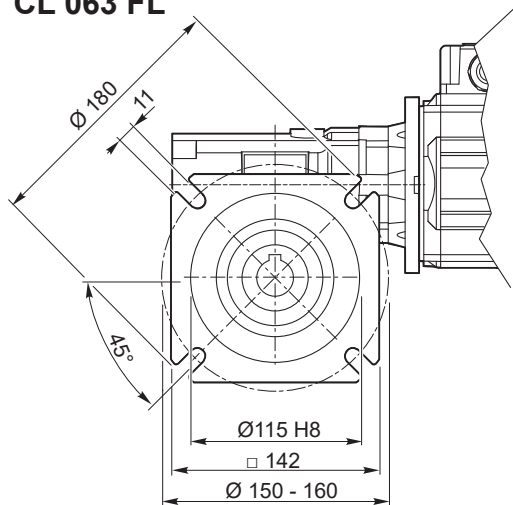
CL 063 FB

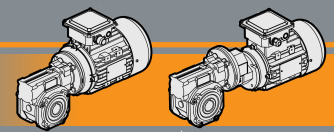
CLP../063 FB



CL 063 FL

CLP../063 FL

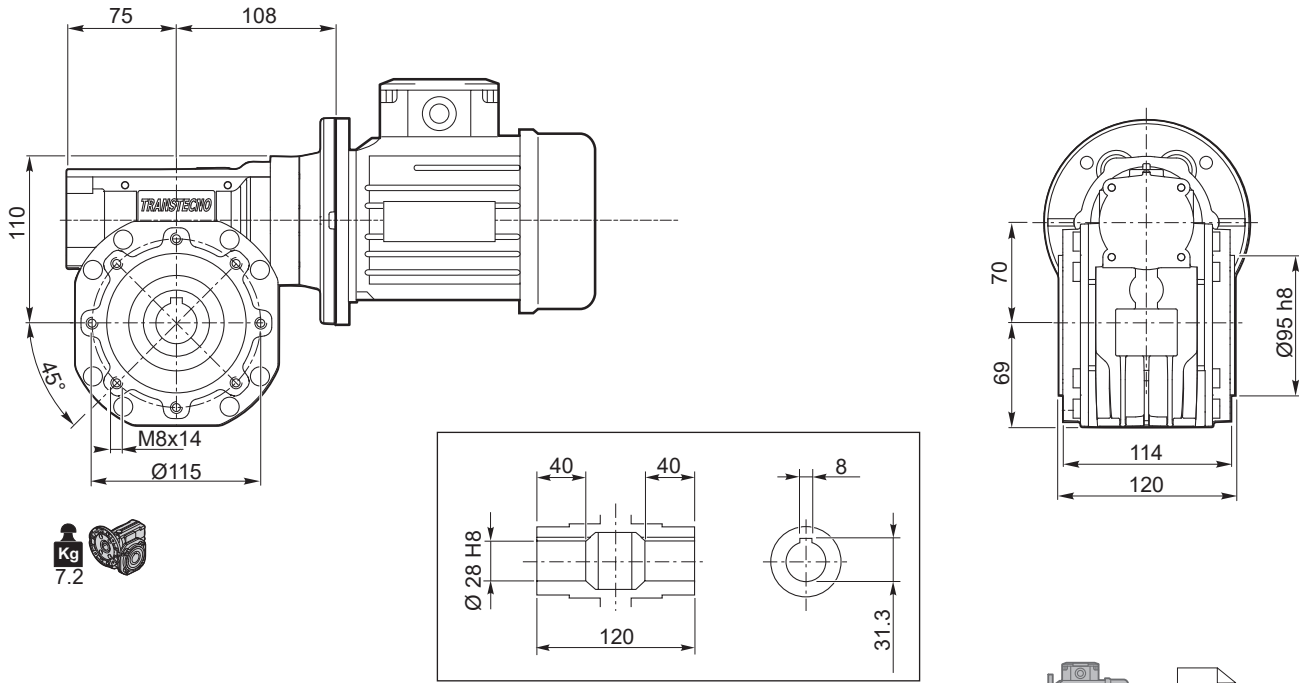




尺寸参数

Dimensions

CL 070 U



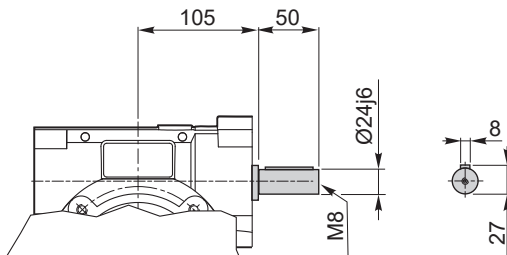
空心输出轴 / Hollow output shaft



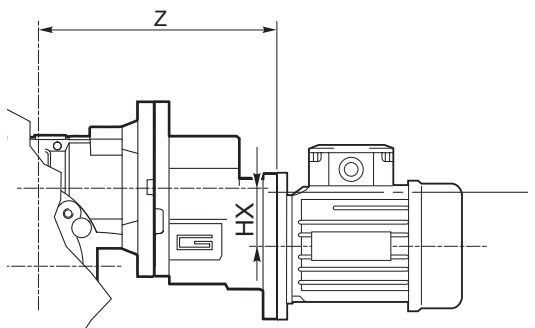
71 ... 100



K4
页

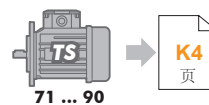
CLIS 070...



CLP .../070 ...U

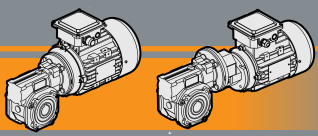


	HX	Z	 Kg 
071/070	41	197	8.7
080/070	41	208	9.5
090/070	36.5	262	10.2



71 ... 90

K4
页



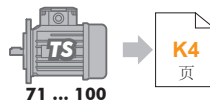
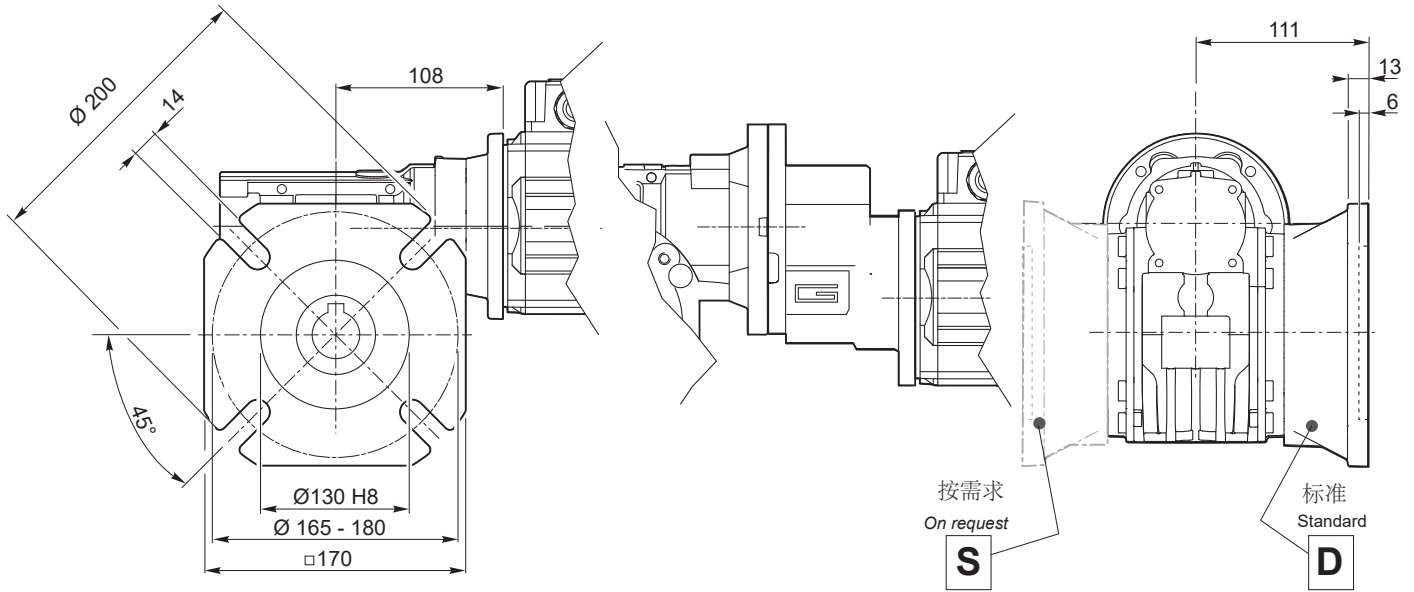
CL / CLP 蜗轮蜗杆减速电机 Wormgearmotors

尺寸参数

Dimensions

CL 070 F

CLP../070 F

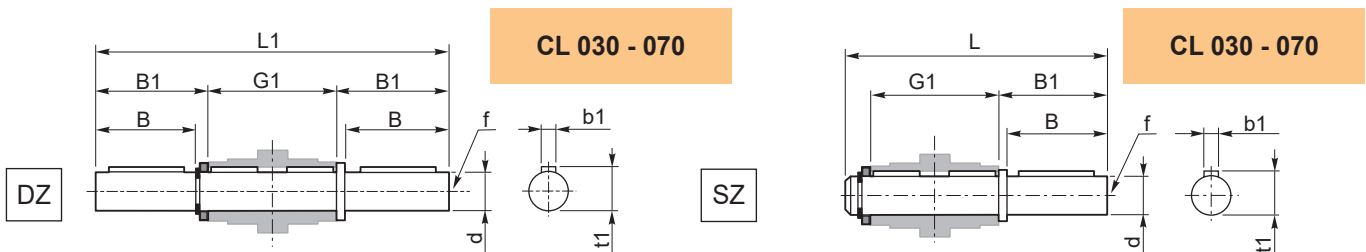


附件

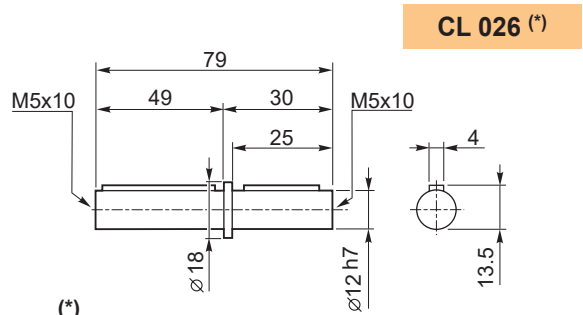
Accessories

单向和双向输出轴

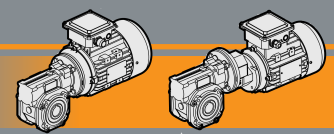
Single and double output shaft



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	056/040 063/040	18	40	43	78	128	164	M6	6	20.5
050	063/050 071/050	25	50	53.5	92	153	199	M10	8	28
063	063/063 071/063 080/063	25	50	53.5	112	173	219	M10	8	28
070	071/070 080/070 090/070	28	60	63.5	120	192	247	M10	8	31



(*) 注释: 只适用于空心输出轴 Ø12
Note: available for output hollow shaft Ø12 only



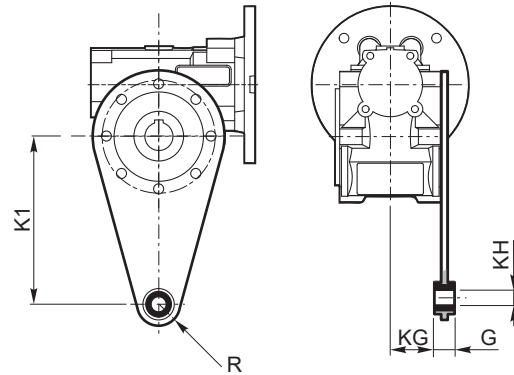
附件

Accessories

KIT - 扭力臂

KIT - Torque arm

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

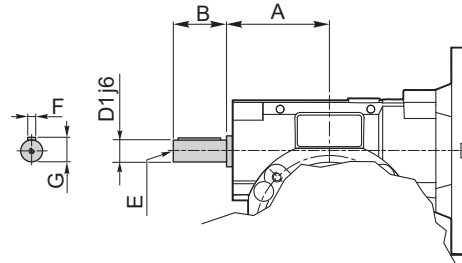


可选项

Options

VS - 加强输入轴 / Extended input shaft

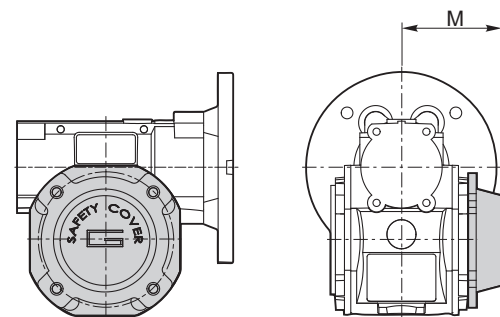
CL	CLP	A	B	D ₁ j6	E	F	G
030	056/030	45	20	9	M4	3	10.2
040	056/040 063/040	53	23	11	M5	4	12.5
050	063/050 071/050	64	30	14	M6	5	16
063	063/063 071/063 080/063	75	40	19	M6	6	21.5
070	071/070 080/070 090/070	84	40	19	M6	6	21.5



按客户要求定制
Built on request

SC - 防尘盖 / Safety Cover

CL	CLP	M
030	056/030	47
040	056/040 063/040	54.5
050	063/050 071/050	62.5
063	063/063 071/063 080/063	73
070	071/070 080/070 090/070	75



TRANSTECNO[®]
the modular gearmotor

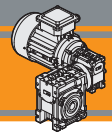
CMM

CMM



组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors



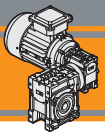


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CMM

组合式蜗轮蜗杆减速电机 Double reduction worm gearmotors

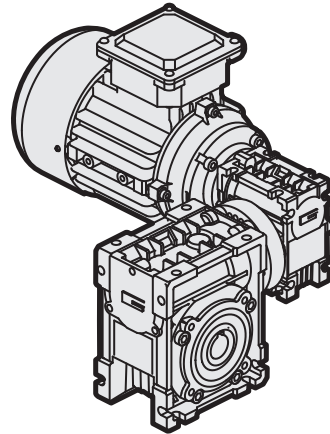
技术特征

Technical features

CMM系列组合式蜗轮蜗杆减速电机具有以下主要特征:

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

- 型号CM026, 030, 040, 050, 063, 070, 075, 090 和 110均使用压铸铝合金箱体, 型号CM130使用铸铁箱体;
- 型号CM090, 110 和 130 使用成对圆锥滚柱轴承;
- 使用长寿命人工合成润滑油。
- 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.

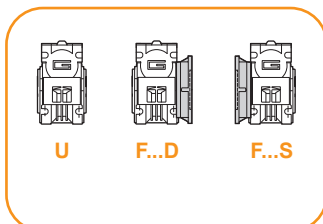


选型

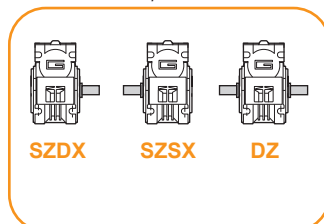
减速机 / GEARBOX

CMM	030/063	FD	20	71	B5	SZDX	BRSX	90	M1	US1	VS
类型 Type	型号 Size	输出法兰型式 Version	速比 Ratio	IEC 	法兰型号 Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle	安装位置 Mounting position	组合安装位置 Mounting execution	可选项 Options
CMM 	026/026 026/030 026/040 026/050 030/040 030/050 030/063 040/063 040/070 040/075 040/090 050/110 063/130	U F...	见表格 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

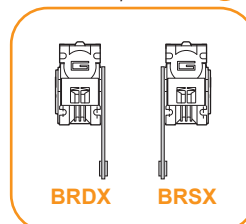
底座/输出法兰型号
Gearbox Version



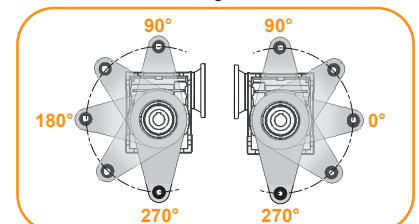
输出轴
Output shaft



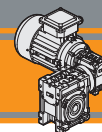
扭力臂
Torque arm *




角度
Angle



* 注意: 扭力臂将不组装, 单独提供。
NOTE: the torque arm will be supplied not assembled.

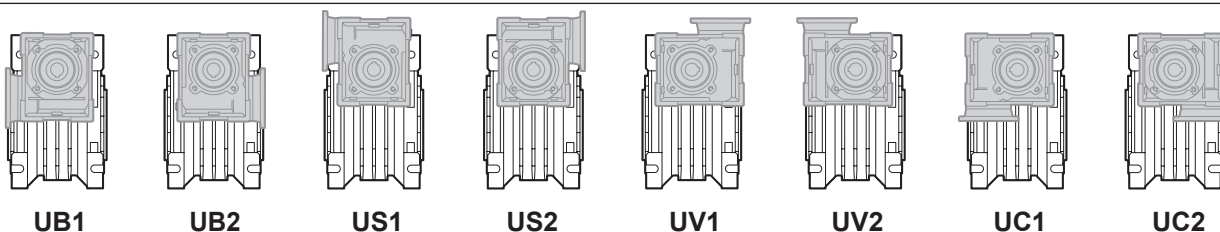


选型

三相电机 / THREE PHASE MOTOR									
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	相 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
TS	 页	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 (标准) T4 T2 T3


组合安装位置

Mounting executions



代号说明

Symbols

n_1 [min ⁻¹]	输入转速 / Input speed	M_2 [Nm]	输出扭矩参照 P_1 / Output torque referred to P_1
n_2 [min ⁻¹]	输出转速 / Output speed	sf	服务系数 / Service factor
i	速比 / Ratio	R_2 [N]	输出端许用径向负荷 / Permitted output radial load
P_1 [kW]	输入功率 / Input power	A_2 [N]	输出端许用轴向负荷 / Permitted output axial load
 [kg]	减速机重量 / Weight of the gearbox only		





CMM

组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors

组合速比

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

润滑油

Lubrication

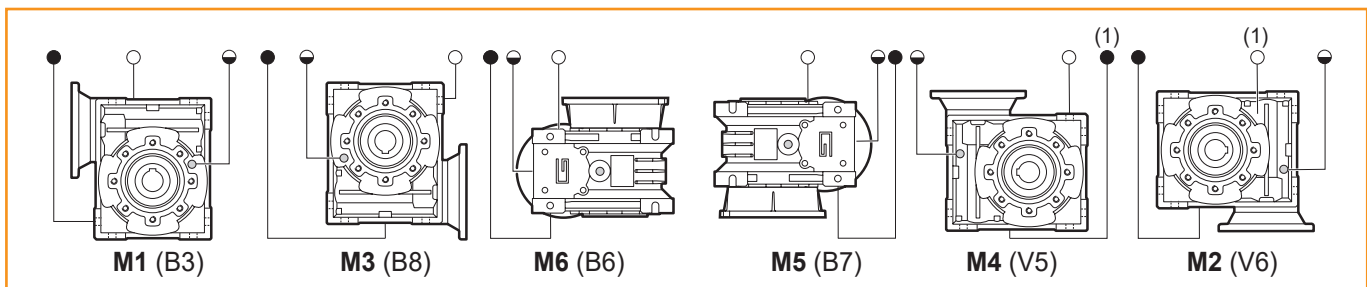
CM026, CM030, CM040, CM050, CM063, CM070, CM075, CM090, CM110型号均使用粘度320的长寿命人工合成润滑油, 可以在任意安装位置上使用, 所以, 这些型号可以在任意位置进行安装并免维护。只有CM130型号润滑油量需根据安装位置确定。

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

加油量 (升) / 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

终身润滑
Life lubrication

安装位置 / Mounting positions



(标准)

(1): 油塞位于背面 / Plug in backside position

- 透气加油孔 / Breather and filling plug
- 油镜 / Oil level plug
- 排油油塞 / Oil drain plug



技术参数

Technical data

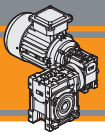
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i																		
0.06							0.06																						
TS5614 (1400 min ⁻¹)	9.3	33	0.8	150	CMM 026/026	B14	TS5614 (1400 min ⁻¹)	3.5	73	1.9	400	CMM 030/050	B5/B14																
	6.2	33	0.8	225				2.8	83	1.5	500			CMM 030/063	B5/B14														
	4.7	34	0.8	300				2.3	107	1.5	600					CMM 040/063	B5/B14												
	3.1	34	0.8	450				1.9	128	1.3	750							CMM 040/070	B5/B14										
	2.3	34	0.8	600				1.6	143	1.1	900									CMM 040/075	B5/B14								
	1.6	34	0.8	900				1.2	203	0.8	1200											CMM 040/090	B5/B14						
	1.2	34	0.8	1200				0.93	203	0.8	1500													CMM 040/090	B5/B14				
	0.9	34	0.8	1500				0.78	203	0.8	1800															CMM 040/090	B5/B14		
	0.8	34	0.8	1800				0.58	169	0.8	2400																	CMM 040/090	B5/B14
	0.6	28	0.8	2400				0.47	156	0.8	3000																		
	0.5	25	0.8	3000	2.8	86		2.7	500	CMM 040/090	B5/B14																		
	0.4	23	0.8	3600	2.3	111		2.8	600			CMM 040/090	B5/B14																
	9.3	34	1.1	150	1.9	133		2.3	750					CMM 040/090	B5/B14														
	6.2	48	0.8	225	1.6	148		2.1	900							CMM 040/090	B5/B14												
	4.7	50	0.8	300	1.2	183		1.7	1200									CMM 040/090	B5/B14										
	3.1	50	0.8	450	0.93	214		1.5	1500											CMM 040/090	B5/B14								
	2.3	50	0.8	600	0.78	243		1.3	1800													CMM 040/090	B5/B14						
	1.6	50	0.8	900	0.58	292		0.9	2400															CMM 040/090	B5/B14				
	1.2	50	0.8	1200	0.47	290		0.8	3000																	CMM 040/090	B5/B14		
	0.93	50	0.8	1500	2.8	86		2.7	500																			CMM 040/090	B5/B14
	0.78	50	0.8	1800	2.3	115		2.7	600	CMM 040/090	B5/B14																		
	0.58	43	0.8	2400	1.9	136		2.3	750			CMM 040/090	B5/B14																
	0.47	38	0.8	3000	1.6	155		2.0	900					CMM 040/090	B5/B14														
	0.39	34	0.8	3600	1.2	192		1.6	1200							CMM 040/090	B5/B14												
	9.3	35	2.5	150	0.93	221		1.4	1500									CMM 040/090	B5/B14										
	6.2	50	1.8	225	0.78	256		1.2	1800											CMM 040/090	B5/B14								
	4.7	58	1.5	300	0.58	308		0.8	2400													CMM 040/090	B5/B14						
	3.1	82	1.1	450	0.47	290		0.8	3000															CMM 040/090	B5/B14				
	2.3	104	0.9	600	1.17	172		2.6	1200																	CMM 040/090	B5/B14		
	1.6	113	0.8	900	0.93	221		2.0	1500																			CMM 040/090	B5/B14
1.2	113	0.8	1200	0.78	256	1.8	1800	CMM 040/090	B5/B14																				
0.93	113	0.8	1500	0.58	308	1.2	2400			CMM 040/090	B5/B14																		
0.78	113	0.8	1800	0.47	356	0.9	3000					CMM 040/090	B5/B14																
0.58	93	0.8	2400	0.93	221	2.5	1500							CMM 040/090	B5/B14														
0.47	85	0.8	3000	0.78	256	2.1	1800									CMM 040/090	B5/B14												
0.39	78	0.8	3600	0.58	313	1.5	2400											CMM 040/090	B5/B14										
9.3	37	4.4	150	0.47	356	1.1	3000													CMM 040/090	B5/B14								
6.2	52	3.1	225	0.58	330	2.5	2400															CMM 040/090	B5/B14						
4.7	59	2.7	300	0.47	385	1.8	3000																	CMM 040/090	B5/B14				
3.1	83	1.9	450	0.47	385	1.8	3000																			CMM 040/090	B5/B14		
2.3	105	1.5	600	0.47	385	1.8	3000	CMM 040/090	B5/B14																				
1.6	141	1.1	600	0.47	385	1.8	3000			CMM 040/090	B5/B14																		
1.2	174	0.9	900	0.47	385	1.8	3000					CMM 040/090	B5/B14																
0.93	203	0.8	1200	0.47	385	1.8	3000							CMM 040/090	B5/B14														
0.78	203	0.8	1500	0.47	385	1.8	3000									CMM 040/090	B5/B14												
0.58	169	0.8	1800	0.47	385	1.8	3000											CMM 040/090	B5/B14										
0.47	156	0.8	2400	0.47	385	1.8	3000													CMM 040/090	B5/B14								
0.39	141	0.8	3000	0.47	385	1.8	3000															CMM 040/090	B5/B14						
9.3	36	2.4	150	0.47	385	1.8	3000																	CMM 040/090	B5/B14				
7.0	46	1.6	200	0.47	385	1.8	3000																			CMM 040/090	B5/B14		
5.6	55	1.2	250	0.47	385	1.8	3000	CMM 040/090	B5/B14																				
4.7	59	1.5	300	0.47	385	1.8	3000			CMM 040/090	B5/B14																		
3.5	72	1.0	400	0.47	385	1.8	3000					CMM 040/090	B5/B14																
2.8	81	0.8	500	0.47	385	1.8	3000							CMM 040/090	B5/B14														
2.3	105	0.9	600	0.47	385	1.8	3000									CMM 040/090	B5/B14												
1.9	113	0.8	750	0.47	385	1.8	3000											CMM 040/090	B5/B14										
1.6	113	0.8	900	0.47	385	1.8	3000													CMM 040/090	B5/B14								
1.2	113	0.8	1200	0.47	385	1.8	3000															CMM 040/090	B5/B14						
0.93	113	0.8	1500	0.47	385	1.8	3000																	CMM 040/090	B5/B14				
0.78	113	0.8	1800	0.47	385	1.8	3000																			CMM 040/090	B5/B14		
0.58	93	0.8	2400	0.47	385	1.8	3000	CMM 040/090	B5/B14																				
0.47	85	0.8	3000	0.47	385	1.8	3000			CMM 040/090	B5/B14																		

请核查负载扭矩M₂不要超过灰色底色的扭矩值。
Please check that the output torque M₂ does not exceed the value in the grey areas.



电机 Motors	TS
	5614
IEC	56 B5/B14









CMM

组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors

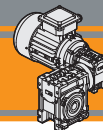
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.09 - IEC 56							0.12 - IEC 63						
TS5624 (1400 min ⁻¹)	9.3 6.2 4.7	53 74 87	1.6 1.2 1.0	150 225 300	CMM 026/040	B14 B14 B14	TS6314 (1400 min ⁻¹)	19 14 9.3	39 52 71	2.1 1.6 1.2	75 100 150	CMM 030/040	B5/B14 B5/B14 B5/B14
	9.3 6.2 4.7 3.1 2.3	55 78 89 125 158	2.9 2.1 1.8 1.3 1.0	150 225 300 450 600	CMM 026/050	B14 B14 B14 B14 B14		18.7 14.0 9.3 7.0 5.6 4.7 3.5	40 52 74 94 110 120 146	3.9 3.0 2.2 1.5 1.1 1.4 0.9	75 100 150 200 250 300 400	CMM 030/050	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14
	19 14 9.3 7.0 4.7	29 39 53 69 88	2.9 2.2 1.6 1.1 1.0	75 100 150 200 300	CMM 030/040	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14		7.0 5.6 4.7 3.5	92 108 124 149	2.8 2.1 2.5 1.8	200 250 300 400	CMM 030/063	B5/B14 B5/B14 B5/B14 B5/B14
	9.3 7.0 5.6 4.7 3.5 2.8 2.3	56 70 83 90 109 124 160	2.9 2.0 1.5 1.8 1.2 1.0 1.0	150 200 250 300 400 500 600	CMM 030/050	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14		2.8 2.3 1.9 1.6 7.0 5.6 4.7 3.5 2.8 2.3 1.9 1.6	172 221 265 296 92 108 124 149 172 221 273 309	1.3 1.4 1.2 1.0 2.8 2.1 2.5 1.8 1.3 1.3 1.1 1.0	500 600 750 900 200 250 300 400 500 600 750 900	CMM 040/063	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14
	5.6 4.7 3.5 2.8 2.3 1.9 1.6 1.2 0.9 0.8	81 93 111 129 166 199 222 274 320 365	2.8 3.3 2.3 1.8 1.9 1.6 1.4 1.1 1.0 0.9	250 300 400 500 600 750 900 1200 1500 1800	CMM 030/063	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14		3.5 2.8 2.3 1.9 1.6 3.5 2.8 2.3 1.9 1.6 2.8 2.3 1.9 1.6	149 172 230 273 309 149 172 230 273 309 383 442 513 273 309 383 442 513	2.6 2.0 2.0 1.7 1.5 2.6 2.0 2.0 1.7 1.5 1.2 1.0 0.9 2.0 1.8 1.4 1.2 1.1	400 500 600 750 900 1200 1500 1800 750 900 1200 1500 1800	CMM 040/070	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14
	2.8 2.3 1.9 1.6 1.2 0.9	129 172 204 232 287 320	1.8 1.8 1.5 1.3 1.1 1.0	500 600 750 900 1200 1500	CMM 040/063	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14		1.9 1.6 1.2 0.9 1.2 0.9 0.8	273 309 383 442 513 273 309 383 442 513	2.0 1.8 1.4 1.2 1.1	750 900 1200 1500 1800	CMM 040/075	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14
	2.8 2.3 1.9 1.6 1.2 0.9 0.8 0.6	129 172 204 232 259 332 385	2.6 2.6 2.2 2.0 1.8 1.4 1.2	500 600 750 900 1200 1500 1800	CMM 040/070	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14		1.6 1.2 0.9 0.8 0.6 0.5	325 402 464 538 661 769	2.7 1.9 1.5 1.2 1.2 0.9	900 1200 1500 1800 2400 3000	CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14 B5/B14
	1.2 0.9 0.8 0.6	287 332 385 470	1.9 1.6 1.4 1.0	1200 1500 1800 2400	CMM 040/075	B5/B14 B5/B14 B5/B14 B5/B14		0.8 0.6 0.5	566 719 855	2.2 2.0 1.5	1800 2400 3000	CMM 050/110	B5/B14 B5/B14 B5/B14
	1.2 0.9 0.8 0.6 0.5	302 348 404 496 577	2.5 2.0 1.6 1.6 1.2	1200 1500 1800 2400 3000	CMM 040/090	B5/B14 B5/B14 B5/B14 B5/B14 B5/B14							







电机 Motors	TS	
	5624	6314
IEC	56 B5 / B14	63 B5 / B14



技术参数

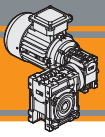
Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.18 - IEC 63							0.25 - IEC 63						
TS6324 (1400 min ⁻¹)	19	59	1.4	75	CMM	B5/B14	TS6334 (1400 min ⁻¹)	19	82	1.0	75	CMM	B5/B14
	14	77	1.1	100	030/040	B5/B14		19	83	1.9	75	CMM	B5/B14
	19	59	2.6	75	CMM	B5/B14		14	109	1.4	100	030/050	B5/B14
	14	78	2.0	100	030/050	B5/B14		9.3	155	1.0	150		B5/B14
	9.3	111	1.4	150		B5/B14		19	84	1.8	75	CMM	B5/B14
	7.0	140	1.0	200		B5/B14		14	110	1.4	100	030/063	B5/B14
	5.6	165	0.7	250		B5/B14		9.3	153	1.4	150		B5/B14
	4.7	179	0.9	300		B5/B14		7.0	192	1.4	200		B5/B14
	9.3	110	2.8	150	CMM	B5/B14		5.6	226	1.0	250		B5/B14
	7.0	138	1.9	200	030/063	B5/B14		4.7	258	1.2	300		B5/B14
	5.6	162	1.4	250		B5/B14		19	85	3.4	75	CMM	B5/B14
	4.7	186	1.7	300		B5/B14		14	110	2.6	100	040/063	B5/B14
	3.5	223	1.2	400		B5/B14		9.3	153	2.0	150		B5/B14
	2.8	258	0.9	500		B5/B14		7.0	192	1.4	200		B5/B14
	2.3	332	0.9	600		B5/B14		5.6	226	1.0	250		B5/B14
	9.3	110	2.8	150	CMM	B5/B14		4.7	258	1.2	300		B5/B14
	7.0	138	1.9	200	040/063	B5/B14		7.0	195	2.0	200	CMM	B5/B14
	5.6	162	1.4	250		B5/B14		5.6	233	1.5	250	040/070	B5/B14
	4.7	186	1.7	300		B5/B14		4.7	258	1.8	300		B5/B14
	3.5	223	1.2	400		B5/B14		3.5	309	1.2	400		B5/B14
	2.8	258	0.9	500		B5/B14		2.8	358	0.9	500		B5/B14
	2.3	345	0.9	600		B5/B14		2.3	479	0.9	600		B5/B14
	7.0	140	2.8	200	CMM	B5/B14		5.6	233	1.8	250	CMM	B5/B14
	5.6	168	2.0	250	040/070	B5/B14		4.7	258	2.1	300	040/075	B5/B14
	4.7	186	2.4	300		B5/B14		3.5	315	1.5	400		B5/B14
	3.5	223	1.7	400		B5/B14		2.8	358	1.1	500		B5/B14
	2.8	258	1.3	500		B5/B14		2.3	479	1.1	600		B5/B14
	2.3	345	1.3	600		B5/B14		1.9	568	1.0	750		B5/B14
	1.9	409	1.1	750		B5/B14		3.5	332	2.4	400	CMM	B5/B14
	1.6	464	1.0	900		B5/B14		2.8	387	1.8	500	040/090	B5/B14
	3.5	227	2.1	400	CMM	B5/B14		2.3	503	1.4	600		B5/B14
	2.8	258	1.6	500	040/075	B5/B14		1.9	596	1.2	750		B5/B14
	2.3	345	1.6	600		B5/B14		1.6	677	1.3	900		B5/B14
	1.9	409	1.3	750		B5/B14		1.2	838	0.9	1200		B5/B14
	1.6	464	1.2	900		B5/B14		2.8	420	3.0	500	CMM	B5/B14
	1.2	575	1.0	1200		B5/B14		2.3	517	2.6	600	050/110	B5/B14
	2.8	278	2.5	500	CMM	B5/B14		1.9	622	2.1	750		B5/B14
	2.3	362	2.0	600	040/090	B5/B14		1.6	707	2.3	900		B5/B14
	1.9	429	1.6	750		B5/B14		1.2	878	1.6	1200		B5/B14
	1.6	487	1.8	900		B5/B14		0.9	1031	1.3	1500		B5/B14
	1.2	603	1.3	1200		B5/B14		0.8	1179	1.1	1800		B5/B14
	0.9	696	1.0	1500		B5/B14		0.6	1498	1.0	2400		B5/B14
	0.8	808	1.2	1800		B5/B14		1.2	945	2.2	1200	CMM	B5
	1.2	632	2.2	1200	CMM	B5/B14		0.9	1114	1.9	1500	063/130	B5
	0.9	743	1.8	1500	050/110	B5/B14		0.8	1276	1.6	1800		B5
	0.8	849	1.5	1800		B5/B14		0.6	1624	1.1	2400		B5
	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							



电机 Motors	TS
	6324 6334
IEC	63 B5 / B14









CMM

组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors

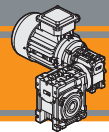
技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i		
0.25 - IEC 71							0.37 - IEC 71						
TS7114 (1400 min ⁻¹)	19	85	3.4	75	CMM	B5/B14	TS7124 (1400 min ⁻¹)	19	125	2.3	75	CMM	B5/B14
	14	110	2.6	100	040/063	B5/B14		14	163	1.8	100	040/063	B5/B14
	9.3	153	2.0	150		B5/B14		9.3	226	1.3	150		B5/B14
	7.0	192	1.4	200		B5/B14		7.0	284	0.9	200		B5/B14
	5.6	226	1.0	250		B5/B14						CMM	B5/B14
	4.7	258	1.2	300		B5/B14						040/070	B5/B14
					CMM	B5/B14		19	127	2.6	75		B5/B14
	7.0	195	2.0	200	040/070	B5/B14		14	165	2.0	100		B5/B14
	5.6	233	1.5	250		B5/B14		9.3	229	1.9	150		B5/B14
	4.7	258	1.8	300		B5/B14		7.0	288	1.4	200		B5/B14
	3.5	309	1.2	400		B5/B14		5.6	345	1.0	250		B5/B14
	2.8	358	0.9	500		B5/B14		4.7	382	1.2	300		B5/B14
	2.3	479	0.9	600		B5/B14						CMM	B5/B14
					CMM	B5/B14		9.3	232	2.0	150		B5/B14
	5.6	233	1.8	250	040/075	B5/B14		7.0	293	1.6	200		B5/B14
	4.7	258	2.1	300		B5/B14		5.6	345	1.2	250		B5/B14
	3.5	315	1.5	400		B5/B14		4.7	382	1.4	300		B5/B14
	2.8	358	1.1	500		B5/B14		3.5	466	1.0	400		B5/B14
	2.3	479	1.1	600		B5/B14						CMM	B5/B14
	1.9	568	1.0	750		B5/B14		7.0	305	2.0	200		B5/B14
					CMM	B5/B14		5.6	366	1.9	250		B5/B14
	3.5	332	2.4	400	040/090	B5/B14		4.7	401	2.0	300		B5/B14
	2.8	387	1.8	500		B5/B14		3.5	492	1.7	400		B5/B14
	2.3	503	1.4	600		B5/B14		2.8	572	1.2	500		B5/B14
	1.9	596	1.2	750		B5/B14		2.3	744	1.0	600		B5/B14
	1.6	677	1.3	900		B5/B14		1.9	882	0.8	750		B5/B14
	1.2	838	0.9	1200		B5/B14		1.6	1002	0.9	900		B5/B14
					CMM	B5/B14		5.6	386	3.3	250		B5/B14
	2.8	420	3.0	500	050/110	B5/B14		4.7	412	3.9	300		B5/B14
	2.3	517	2.6	600		B5/B14		3.5	523	2.8	400		B5/B14
	1.9	622	2.1	750		B5/B14		2.8	622	2.0	500		B5/B14
	1.6	707	2.3	900		B5/B14		2.3	766	1.7	600		B5/B14
	1.2	878	1.6	1200		B5/B14		1.9	921	1.4	750		B5/B14
	0.9	1031	1.3	1500		B5/B14		1.6	1047	1.5	900		B5/B14
	0.8	1179	1.1	1800		B5/B14		1.2	1299	1.1	1200		B5/B14
	0.6	1498	1.0	2400		B5/B14		0.9	1526	0.9	1500		B5/B14
					CMM	B5/B14		1.9	974	2.1	750		B5/B14
	1.2	945	2.2	1200	063/130	B5/B14		1.6	1124	1.8	900		B5/B14
	0.9	1114	1.9	1500		B5/B14		1.2	1399	1.5	1200		B5/B14
	0.8	1276	1.6	1800		B5/B14		0.9	1649	1.3	1500		B5/B14
	0.6	1624	1.1	2400		B5/B14		0.8	1889	1.1	1800		B5/B14



























电机 Motors	TS
	7114 7124
IEC	71 B5 / B14



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			
0.55 - IEC 71							0.75 - IEC 71							
TS7134 (1400 min ⁻¹)	19	186	1.5	75	CMM 040/063		TS7144 (1400 min ⁻¹)	18.7	254	1.1	75	CMM 040/063		
	14	243	1.2	100				14.0	331	0.9	100			
	9.3	336	0.9	150				18.7	257	1.3	75			
	19	189	1.7	75	CMM 040/070			14.0	335	1.0	100	CMM 040/070		
	14	246	1.4	100			9.3	464	0.9	150				
	9.3	340	1.3	150				18.7	257	1.3	75			
	7.0	429	0.9	200				14.0	335	1.0	100	CMM 040/075		
	19	189	1.7	75	CMM 040/075			9.3	471	1.0	150			
	14	246	1.4	100						18.7	257	1.3	75	
	9.3	345	1.4	150				14.0	335	1.0	100			
	7.0	435	1.1	200				9.3	483	1.0	150	CMM 040/090		
	4.7	567	1.0	300	CMM 040/090			7.0	619	1.0	200			
	9.3	355	1.4	150						5.6	741	1.0	250	
	7.0	454	1.4	200				4.7	812	1.0	300			
	5.6	544	1.3	250				9.3	496	1.8	150	CMM 050/110		
	4.7	596	1.4	300	CMM 050/110			7.0	644	1.8	200			
	3.5	731	1.1	400						5.6	783	1.7	250	
	7.0	472	2.5	200				4.7	835	1.9	300			
	5.6	574	2.3	250				3.5	1061	1.4	400			
	4.7	612	2.6	300				2.8	1261	1.0	500			
	3.5	778	1.9	400				2.3	1552	0.9	600			
	2.8	925	1.4	500				7.0	660	2.7	200	CMM 063/130		
	2.3	1138	1.2	600	CMM 063/130			5.6	803	2.0	250			
	1.9	1369	0.9	750						4.7	871	2.4	300	
	1.6	1556	1.0	900				3.5	1109	1.6	400			
	3.5	813	2.2	400				2.8	1342	1.2	500			
	2.8	984	1.6	500				2.3	1641	1.3	600			
	2.3	1203	1.7	600				1.9	1975	1.0	750			
	1.9	1449	1.4	750				1.6	2279	0.9	900			
	1.6	1671	1.2	900										
	1.2	2080	1.0	1200										

0.55 - IEC 80						
TS8014 (1400 min ⁻¹)	19	198	3.1	75	CMM 050/110	
	14	258	2.5	100		
	9.3	364	2.5	150		
	7.0	472	2.5	200		
	5.6	574	2.3	250		
	4.7	612	2.6	300		
	3.5	778	1.9	400		
	2.8	925	1.4	500		
	2.3	1138	1.2	600		
	1.9	1369	0.9	750		
	1.6	1556	1.0	900		
	3.5	813	2.2	400	CMM 063/130	
	2.8	984	1.6	500		
	2.3	1203	1.7	600		
	1.9	1449	1.4	750		
	1.6	1671	1.2	900		
	1.2	2080	1.0	1200		



电机 Motors	TS	
		7134 7144
IEC	71 B5 / B14	80 B5 / B14

CMM







CMM

组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors

技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i							
0.75 - IEC 80							1.1 - IEC 90											
TS8024 (1400 min ⁻¹)	19	270	2.3	75	CMM 050/110	B5/B14	TS90S4 (1400 min ⁻¹)	19	406	2.8	75	CMM 063/130	B5/B14					
	14	352	1.8	100				14	529	2.2	100							
	9.3	496	1.8	150				9.3	745	2.2	150							
	7.0	644	1.8	200				7.0	968	1.9	200							
	5.6	783	1.7	250				5.6	1178	1.4	250							
	4.7	835	1.9	300				4.7	1278	1.6	300							
	3.5	1061	1.4	400				3.5	1626	1.1	400							
	2.8	1261	1.0	500				2.8	1261	1.0	500							
	2.3	1552	0.9	600				2.3	2407	0.9	600							
	7.0	660	2.7	200				CMM 063/130	B5/B14	1.5 - IEC 90								
5.6	803	2.0	250	TS90L14 (1400 min ⁻¹)	19	554	2.0			75	CMM 063/130	B5/B14						
4.7	871	2.4	300		14	722	1.6			100								
3.5	1109	1.6	400		9.3	1016	1.6			150								
2.8	1342	1.2	500		7.0	1320	1.4			200								
2.3	1641	1.3	600		5.6	1606	1.0			250								
1.9	1975	1.0	750		4.7	1742	1.2			300								
1.6	2279	0.9	900		2.2 - IEC 90													
1.1 - IEC 80							TS90L24 (1400 min ⁻¹)											
TS8034 (1400 min ⁻¹)	19	397	1.6		75	CMM 050/110	B5/B14			19			812	1.4	75	CMM 063/130	B5/B14	
	14	517	1.3		100			14	1058	1.1			100					
	9.3	727	1.3	150	9.3			1491	1.1	150								
	7.0	944	1.3	200	7.0			1936	0.9	200								
	5.6	1148	1.1	250	2.2 - IEC 90													
	4.7	1225	1.3	300	CMM 063/130			B5/B14	TS90L24 (1400 min ⁻¹)									
	3.5	1556	0.9	400					TS90L24 (1400 min ⁻¹)	19	812	1.4	75	CMM 063/130	B5/B14			
	7.0	968	1.9	200						14	1058	1.1	100					
	5.6	1178	1.4	250						9.3	1491	1.1	150					
	4.7	1278	1.6	300						7.0	1936	0.9	200					
3.5	1626	1.1	400	2.2 - IEC 90														
2.3	2407	0.9	600	TS90L24 (1400 min ⁻¹)														



电机 Motors	TS	
	8024 8034	90S4 90L14 90L24
IEC	80 B5 / B14	90 B5 / B14

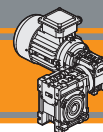
电机技术参数

Electrical technical data

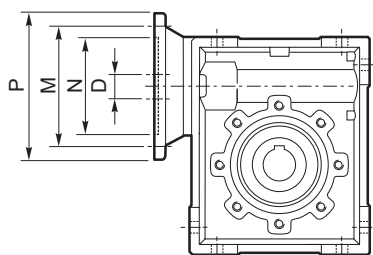
请参见专用页:

Please see the dedicated paragraph:





CMM	TS电机				
	5624	6314 6324 6334	7114 7124 7134 7144	8024 8034	90S4 90L14 90L24
026/...					
030/...					
040/...					
050/110					
063/130					

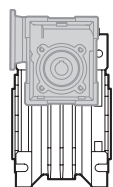


备注：灰色部分指改型号有适合的电机输入。

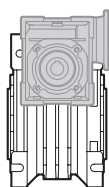
Grey areas indicate motor inputs available on each size of unit.

B/BS = 金属轴套

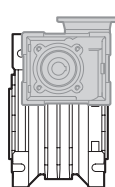
B/BS = Metal shaft sleeve



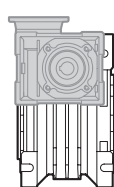
US1



US2

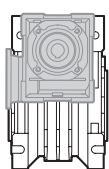


UV1

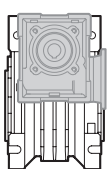


UV2

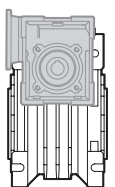
CMM	IEC	N	M	P	D	i ₁						
						10	15	20	30	40	50	60
026/026	56B14	50	65	80	9							



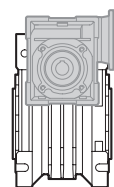
UB1



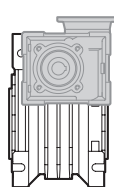
UB2



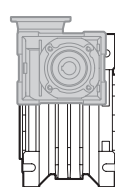
US1



US2

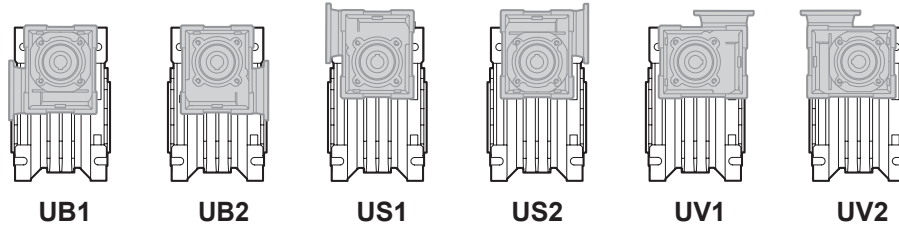
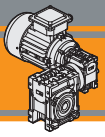


UV1



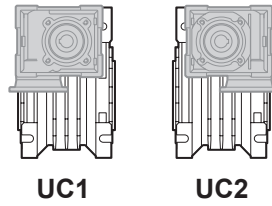
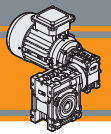
UV2

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							



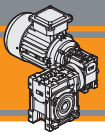
CMM	IEC	N	M	P	D	i ₁								
						7.5	10	15	20	25	30	40	50	60
030/040 030/050 030/063	63B5	95	115	140	11									
	63B14	60	75	90										
	56B5	80	100	120	9	B	B	B	B	B	B	B	B	
	56B14	50	65	80										
040/063 040/070 040/075 040/090	71B5 (*)	110	130	160	14									
	71B14	70	85	105										
	63B5	95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

(*) US1和US2的位置不适用于CMM 040/090。
Positions US1 and US2 not available for CMM 040/090.



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





CMM

组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors

尺寸参数

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	45	70	12	83	22	47.5	50	35	34	26	26	34	42	55	45	22.5	21
026/030	54	80	14	97	32	47.5	63	40	34	30	26	44	56	65	55	29	21
026/040	70	100	18	121.5	43	47.5	78	50	34	40	26	60	71	75	60	36.5	21
026/050	80	120	25	144	49	47.5	92	60	34	50	26	70	85	85	70	43.5	21

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

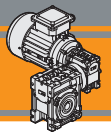
(*) 注释: 重量kg仅指减速机的重量

Note: The weight in kg is referred to only the 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	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

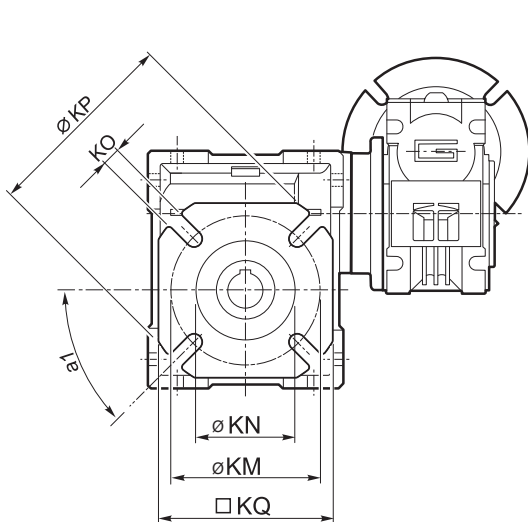
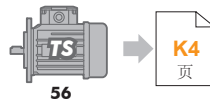
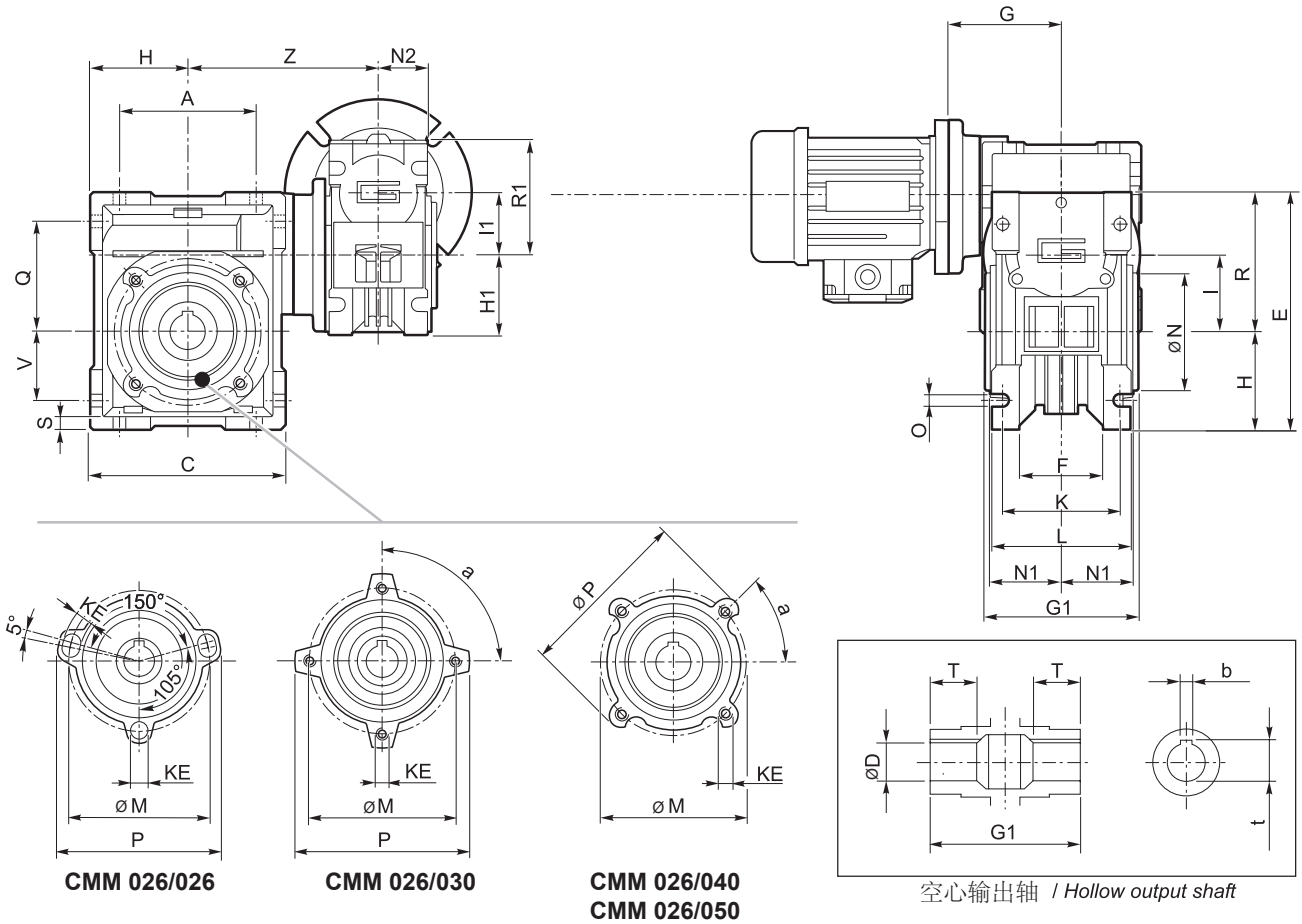
CMMIS						
	A	B	D1 _{j6}	E	F	M
026/026	45	20	9	M4	3	10.2
026/030						
026/040						
026/050						



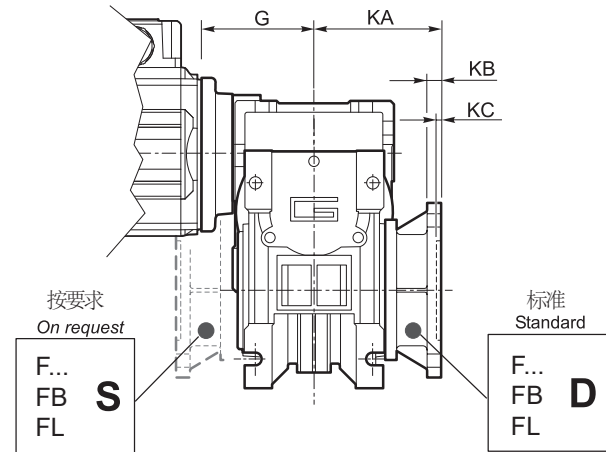
尺寸参数

Dimensions

CMM 026/... U



CMM026/026 F
CMM026/..F - FB - FL





CMM

组合式蜗轮蜗杆减速电机
Double reduction wormgearmotors

尺寸参数

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	

(*) 注释: 重量Kg仅指减速机的重量

Note: The weight in kg is referred to only the 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	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

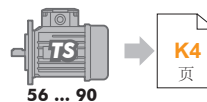
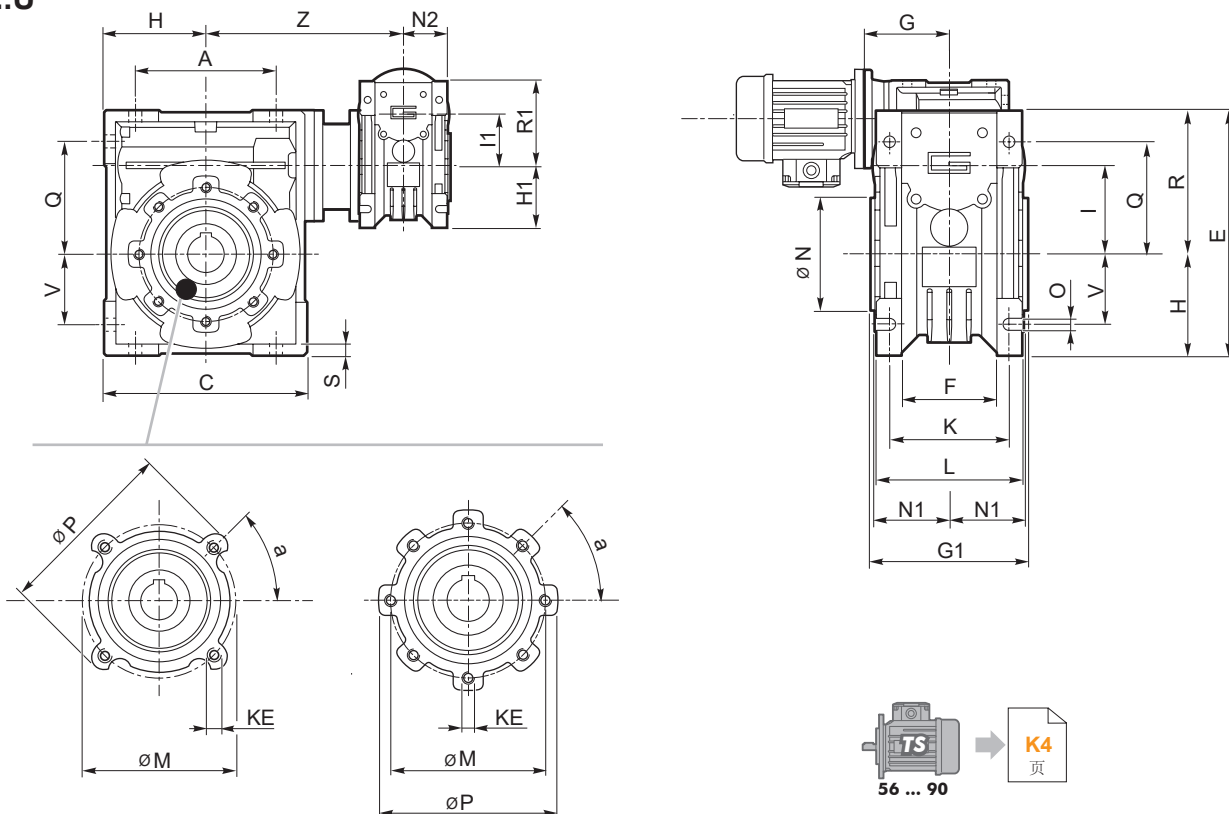
CMMIS						
	A	B	D1 _{j6}	E	F	M
030/040 030/050 030/063	51	20	9	M4	3	10.2
040/063 040/070 040/075 040/090	66	23	11	M5	4	12.5
050/110	76	30	14	M6	5	16
063/130	94.5	40	19	M6	6	21.5



尺寸参数

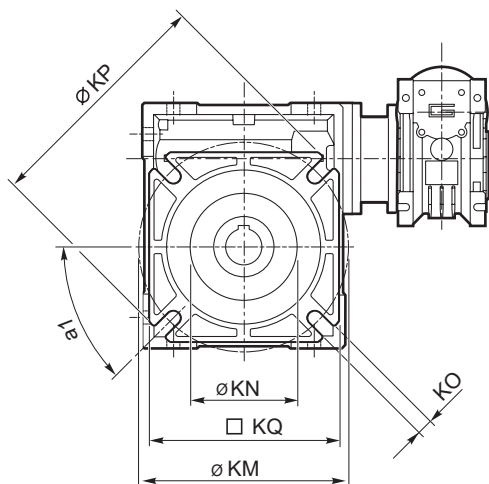
Dimensions

CMM..U



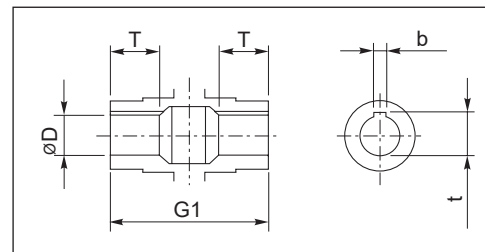
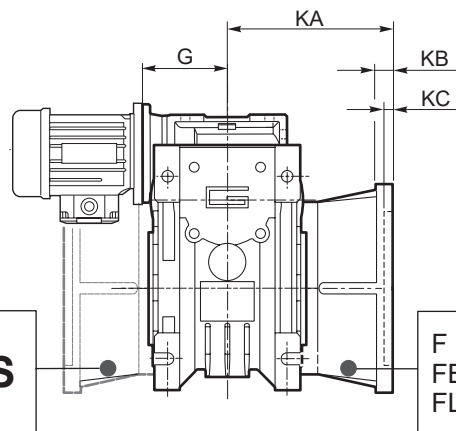
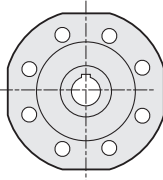
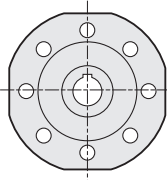
CMM 030/040
CMM 030/050

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



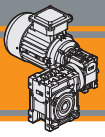
CMM..F (../030 - ../090)
CMM..FB (../040 - ../063)
CMM..FL (../040 - ../063)

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



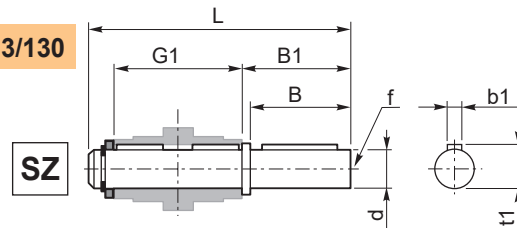
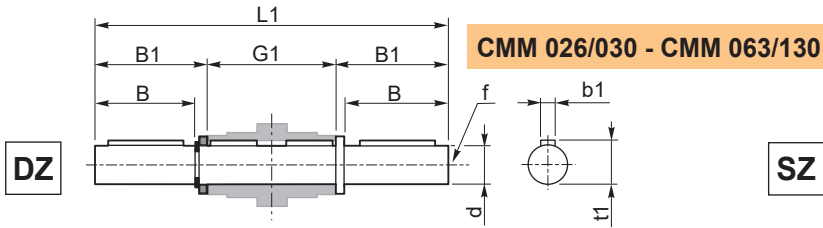
空心输出轴 / Hollow output shaft

CMM

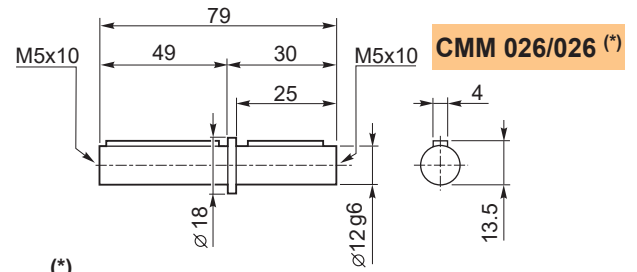


单向和双向输出轴

Single and double output shaft



CMM	d h7	B	B1	G1	L	L1	f	b1	t1
026/030	14	30	32.5	63	102	128	M6	5	16
026/040 030/040	18	40	43	78	128	164	M6	6	20.5
026/050 030/050	25	50	53.5	92	153	199	M10	8	28
030/063 040/063	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

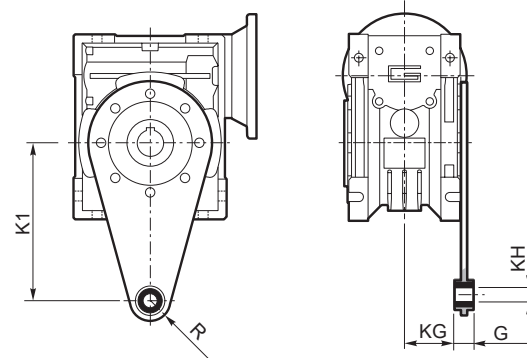


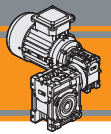
(*)
注释: 只适用于空心输出轴 Ø12
Note: available for output hollow shaft Ø12 only

扭力臂

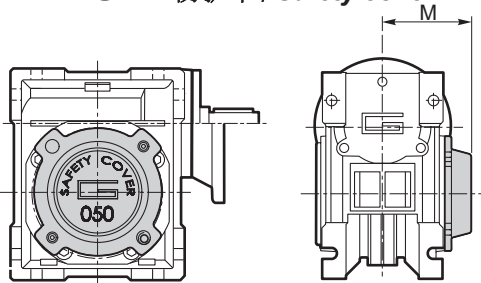
Torque arm

CMM	K1	G	KG	KH	R
026/030	85	14	23	8	15
026/040 030/040	100	14	31	10	18
026/050 030/050	100	14	38	10	18
030/063 040/063	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



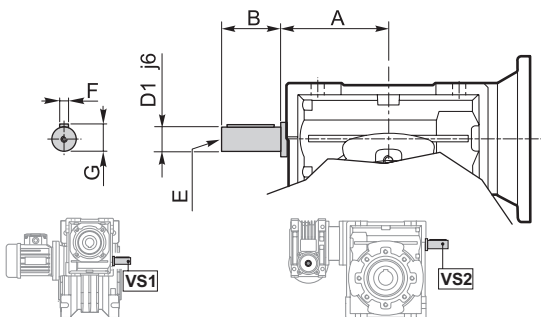


SC - 防护罩 / Safety cover



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

VS1 - VS2 - 加长输入轴 / Extended input shaft



CMM	VS1						VS2					
	A	B	D ₁ j ₆	E	F	G	A	B	D ₁ j ₆	E	F	G
026/030	—	—	—	—	—	—	45	20	9	M4	3	10.2
026/040	—	—	—	—	—	—	53	23	11	M5	4	12.5
026/050	—	—	—	—	—	—	64	30	14	M6	5	16
030/040	45	20	9	M4	3	10.2	53	23	11	M5	4	12.5
030/050	45	20	9	M4	3	10.2	64	30	14	M6	5	16
030/063	45	20	9	M4	3	10.2	75	40	19	M6	6	21.5
040/063	53	23	11	M5	4	12.5	75	40	19	M6	6	21.5
040/070	53	23	11	M5	4	12.5	84	40	19	M6	6	21.5
040/075	53	23	11	M5	4	12.5	90	50	24	M8	8	27
040/090	53	23	11	M5	4	12.5	108	50	24	M8	8	27
050/110	64	30	14	M6	5	16	135	60	28	M10	8	31
063/130	75	40	19	M6	6	21.5	—	—	—	—	—	—

按要求定制
Built on request



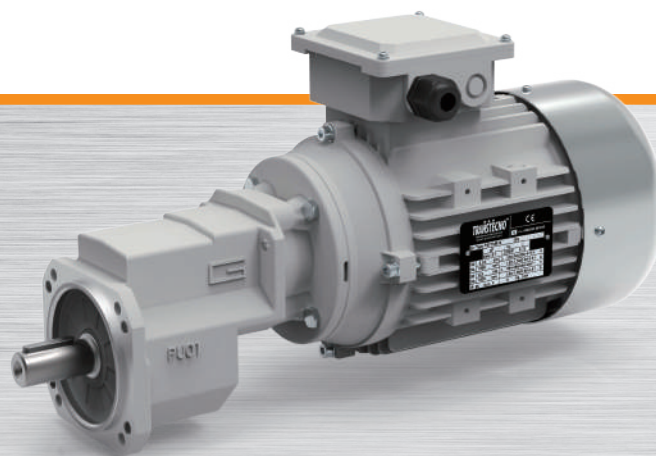
TRANSTECNO[®]
the modular gearmotor

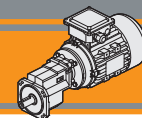
PU

PU



单级斜齿轮减速电机
Single stage helical gearmotors

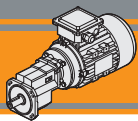




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IEC电机适配法兰	<i>IEC Motor adapters</i>	15
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PU

单级斜齿轮减速电机 Single stage helical gearmotors

技术特征

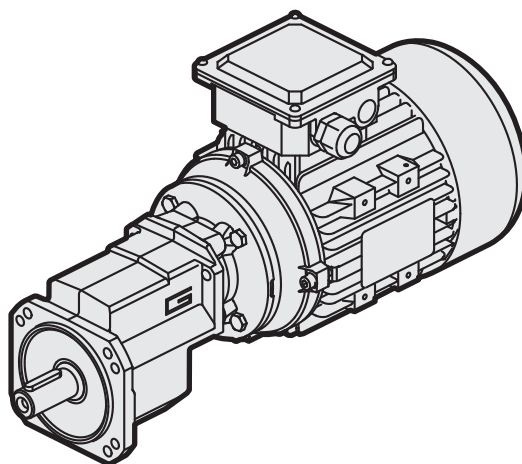
Technical features

PU系列单级斜齿轮减速电机具备以下技术特征:

PU single stage helical gearmotor range has the following main features:

- 使用压铸铝合金箱体和输入输出法兰;
- 使用磨削硬齿面斜齿轮;
- 使用长寿命合成润滑油。

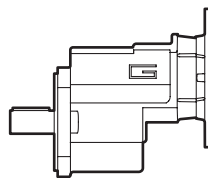
- Die-cast aluminium housings, input and output flanges;
- Ground-hardened helical gears;
- Permanent synthetic oil long-life lubrication.



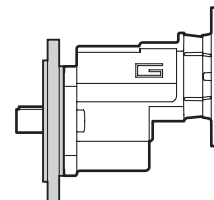
选型

减速机 / GEARBOX

PU	01	FT1	5.70	71	B5	O3
类型 Type	型号 Size	输出法兰形式 Version	速比 Ratio	IEC 	法兰型号 Version	输出轴 Output shaft diam.
PU 	01	U FT1 FT2 FT3	5.70 8.57	63 71 80	B5 B14	



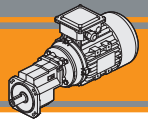
U



FT..

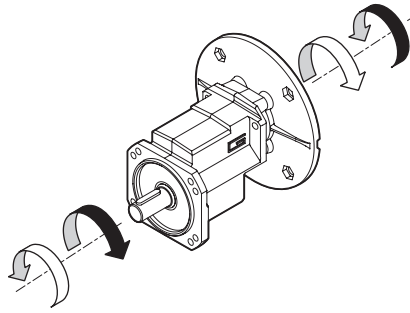
三相电机 / THREE PHASE MOTOR

TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	效率 Frequency	接线盒位置 Terminal box pos.
TS	 K1 页	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 (标准) T4 T2 T3



运转方向

Direction of rotation



润滑油

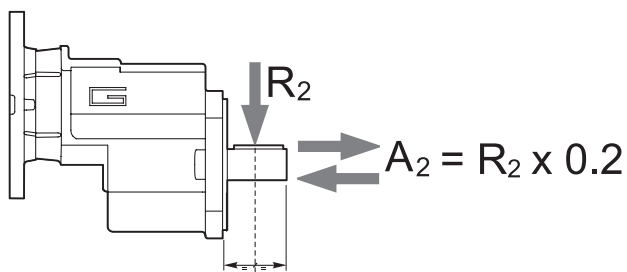
Lubrication

PU系列均使用长寿命合成润滑油，粘度为320度。

Permanent synthetic oil long-life lubrication (viscosity grade 320) makes it possible to use PU range in all mounting positions.

径向负荷

Radial loads

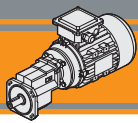


n ₂ [min ⁻¹]	R ₂ [N]
	PU 01
500	643
400	693
300	763
250	810
200	873
150	961
100	1100

代号说明

Symbols

n ₁	[min ⁻¹]	输入转速 / Input speed
n ₂	[min ⁻¹]	输出转速 / Output speed
i		速比 / Ratio
P ₁	[kW]	输入功率 / Input power
M ₂	[Nm]	输出扭矩参照P ₁ / Output torque referred to P ₁
sf		服务系数 / Service factor
R ₂	[N]	输出端许用径向负荷 / Permitted output radial load
A ₂	[N]	输出端许用轴向负荷 / Permitted output axial load
	[kg]	减速机重量 / Weight of the gearbox only




PU

单级斜齿轮减速电机 Single stage helical gearmotors


技术参数

Technical data

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

0.12

TS6314 (1400 min ⁻¹)	246 163	4.5 6.8	11.0 5.9	5.70 8.57	PU01
-------------------------------------	--------------------------	------------	-------------	--------------	-------------

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

0.55

TS7134	246	21	2.4	5.70	PU01
TS8014 (1400 min ⁻¹)	163	31	1.3	8.57	PU01

0.18

TS6324 (1400 min ⁻¹)	246 163	6.7 10	7.4 3.9	5.70 8.57	PU01 PU01
-------------------------------------	--------------------------	-----------	------------	--------------	----------------------------

0.75

TS7144	246	28	1.8	5.70	PU01
TS8024 (1400 min ⁻¹)	163	42	0.9	8.57	PU01

0.25

TS6334	246	9.4	5.3	5.70	PU01
TS7114 (1400 min ⁻¹)	163	14	2.8	8.57	PU01

1.1

TS8034 (1400 min ⁻¹)	246	41	1.2	5.70	PU01
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0.37

TS7124 (1400 min ⁻¹)	246 163	14 21	3.6 1.9	5.70 8.57	PU01 PU01
-------------------------------------	--------------------------	----------	------------	--------------	----------------------------



电机 Motors	TS		
	6314 6324 6334	7124 7134 7144	8014 8023 8034
IEC	63 B5 / B14	71 B5 / B14	80 B5 / B14

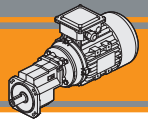
电机技术参数

Electrical technical data

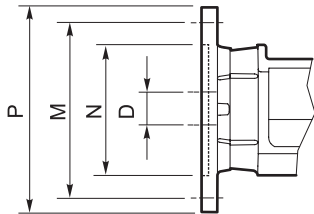
请参见专用页:

Please see the dedicated paragraph:





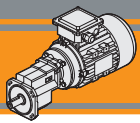
PU	TS电机		
	6314 6324 6334	7114 7124 7134 7144	8024 8034
01			



	IEC	N	M	P	D	i (速比 / 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 = 金属轴套

B/BS = Metal shaft sleeve



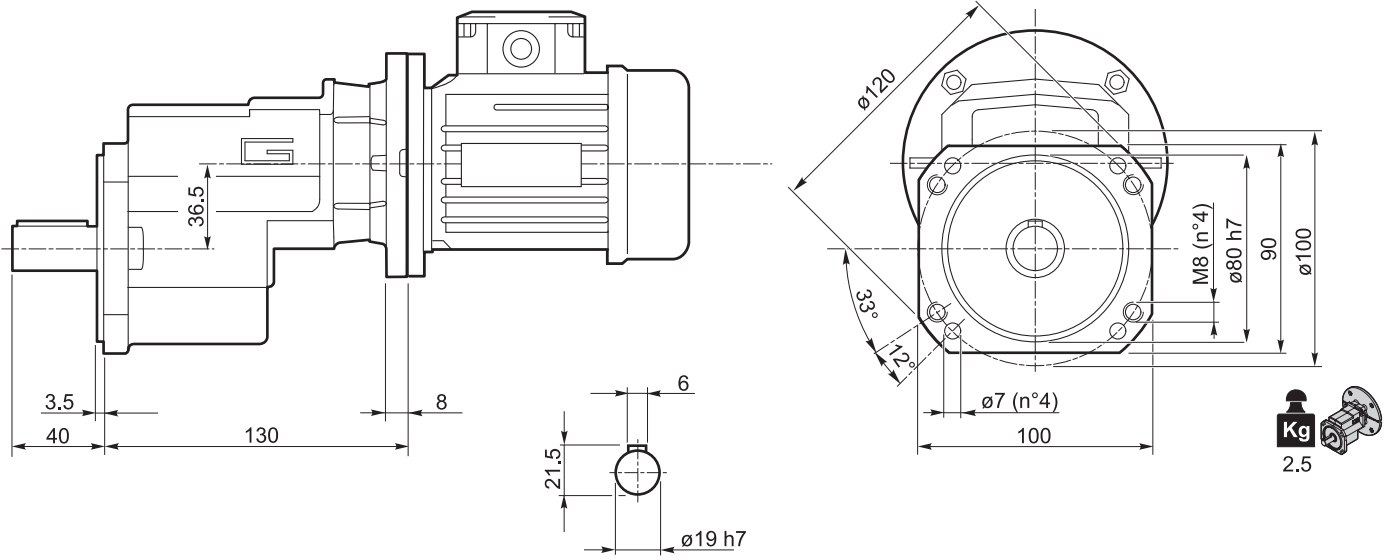
PU

单级斜齿轮减速电机
Single stage helical gearmotors

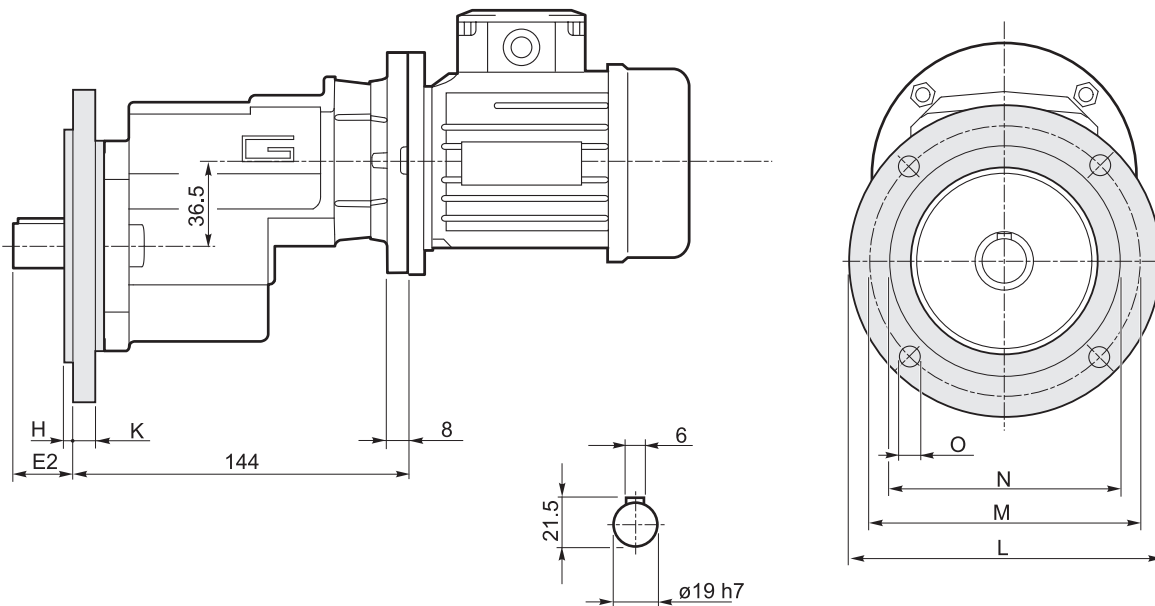
尺寸参数

Dimensions

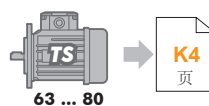
PU01 U



PU01 FT..



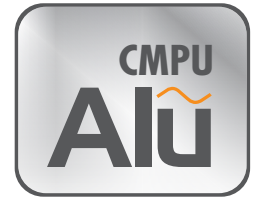
		型号 / Version							重量 / Weight [kg]
		E ₂	H	K	L	M	N f7	O	
PU01	FT1	26	3	10	140	115	95	M8	0.3
	FT2	26	3.5	10	160	130	110	9	0.4
	FT3	26	3.5	10	200	165	130	11	0.5



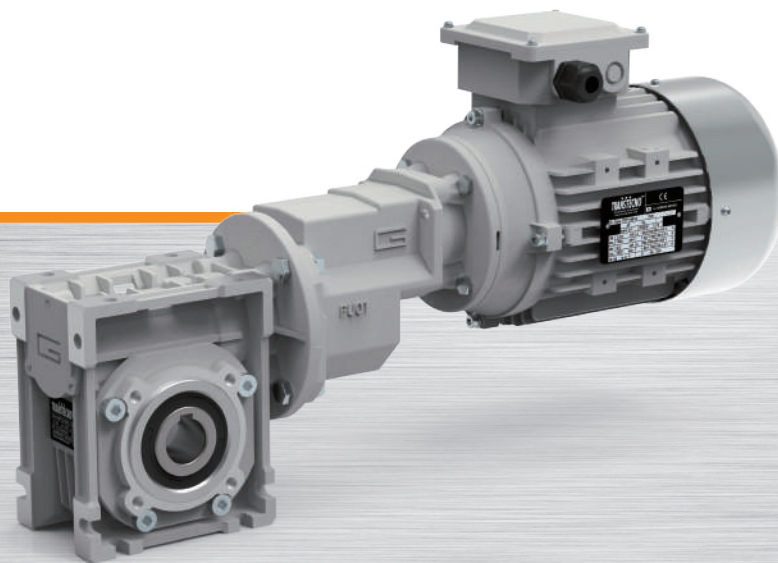
TRANSTECNO[®]
the modular gearmotor

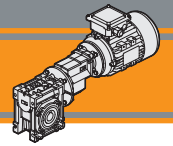
CMPU

CMPU



蜗轮蜗杆减速电机配PU前置级
PU pre-stage wormgearmotors

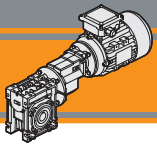




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CMPU 蜗轮蜗杆减速电机配PU前置级

PU Pre-stage wormgearmotors

技术特征

Technical features

CMPU系列减速电机具有高度模块化的设计特点，可以与输入输出组件任意组合。

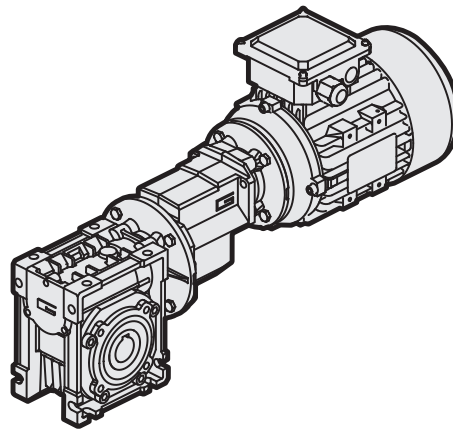
The high degree of modularity is a design feature of CMPU wormgearmotors range thanks to a wide selection of input and output kits.

CMPU系列的主要特征:

Main features of CMPU range are:

- 采用压铸铝合金箱体;
- 型号CM090使用成对圆锥滚柱轴承;
- 使用长寿命人工合成润滑油。

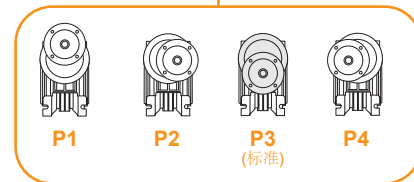
- Die cast aluminium housing
- Double taper roller bearing on size 090
- Permanent synthetic oil long life lubrication



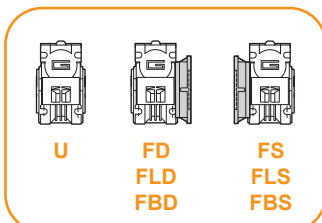
选型

前置蜗轮蜗杆减速机组 / PRE-STAGE WORMGEARBOX

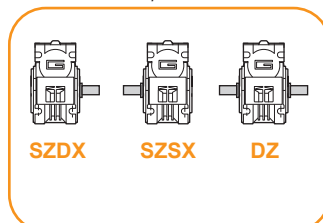
CMPU	01/050	U	57	71	B14	SZDX	BRSX	90	P4	M1	VS
类型 Type	型号 Size	输出法兰型式 Gearbox Version	速比 Ratio	IEC 	法兰型号 Version	输出轴 Output shaft	扭力臂 Torque arm	角度 Angle	前置级安装位置 Pre stage mounting position	安装位置 Mounting position	可选项 Options
	01/050 01/063 01/070 01/075 01/090	U FD FS FLD FLS FBD FBS	见表格 See tables	63 71 80	B5 B14	SZDX SZSX DZ	BRDX BRSX	0° 90° 180° 270°	P1 P2 P3 (标准) P4	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M6 (B6) M5 (B7)	VS



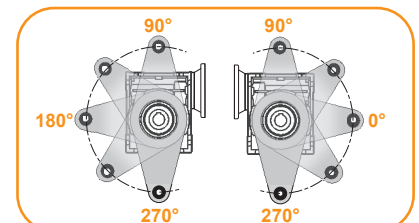
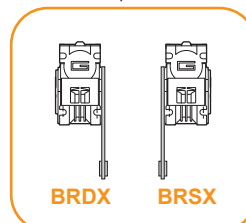
输出法兰型式
Gearbox Version



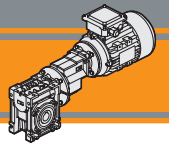
输出轴
Output shaft





扭力臂
Torque arm



* 注意: 扭力臂将不组装, 单独提供。
NOTE: the torque arm will be supplied not assembled.



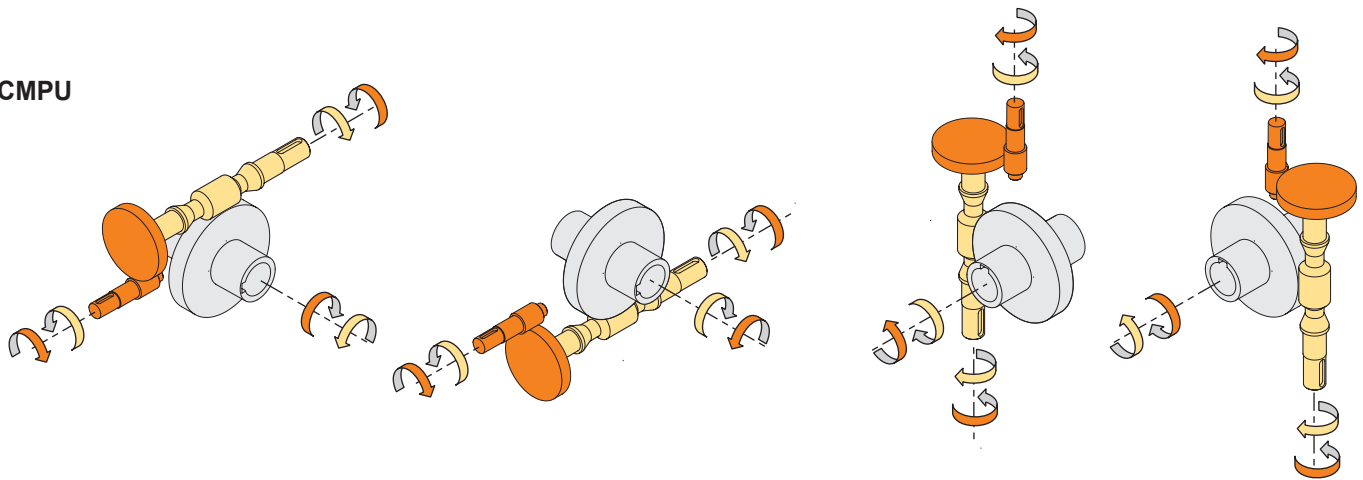
选型

三相电机 / THREE PHASE MOTOR									
TS	63	2	4	0.18 kW	B5	3 ph	230-400 V	50 Hz	T1
类型 Type	型号 Size	功率系数 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	效率 Frequency	接线盒位置 Terminal box pos.
TS		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	

运转方向


Direction of rotation

CMPU

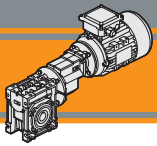


代号说明

Symbols

- n_1 [min⁻¹] 输入转速 / Input speed
- n_2 [min⁻¹] 输出转速 / Output speed
- i 速比 / Ratio
- P_1 [kW] 输入功率 / Input power
- M_2 [Nm] 输出扭矩参照 P_1 / Output torque referred to P_1
- sf 服务系数 / Service factor
- R_2 [N] 输出端许用径向负荷 / Permitted output radial load
- A_2 [N] 输出端许用轴向负荷 / Permitted output axial load
-  [kg] 减速机重量 / Weight of the gearbox only





润滑油

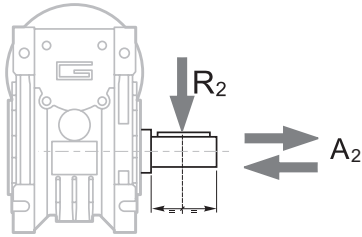
Lubrication

使用粘度320的长寿命人工合成润滑油，可以在任意安装位置上使用。因此，该系列可以在任意位置进行安装并免维护。

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.

径向负荷

Radial loads

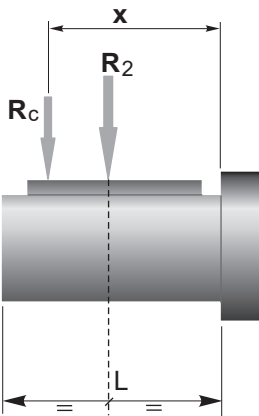


$A_2 = R_2 \times 0.2$

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

当产生的径向负荷不是作用在传动轴的中间位置，必须用以下公式来计算有效负荷：

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 = 图标中给出的值
a, b = values given in the table

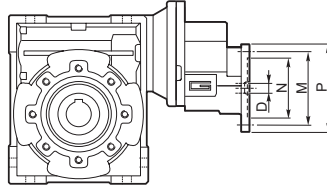
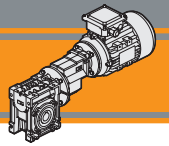
IEC电机适配法兰

IEC Motor adapters

CMPU01/...	TS		
	6314 6324 6334	7114 7124 7134 7144	8024 8034

备注：灰色部分指该型号有适合的电机输入。

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



CMPU	IEC	N	M	P	D	i (i ₁ x i ₂)									
						28.5 (5,7x5)	42.75 (5,7x7,5)	57 (5,7x10)	64.28 (8,57x7,5)	85.5 (5,7x15)	85.7 (8,57x10)	114 (5,7x20)	128.55 (8,57x15)	142.5 (5,7x25)	171 (5,7x30)
01/050	63B5	95	115	140	11	BS	BS	BS	BS	BS	BS	BS	BS	BS	BS
	63B14	60	75	90											
	71B5	110	130	160	14	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	
	63B14	60	75	90											
	71B5	110	130	160	14	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	
	63B14	60	75	90											
	71B5	110	130	160	14	-	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	
	63B14	60	75	90											
	71B5	110	130	160	14	-	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	
	63B14	60	75	90											
	71B5	110	130	160	14	-	B	B	B	B	B	B	B		
	71B14	70	85	105											
	80B5	130	165	200	19	-									
80B14	80	100	120												

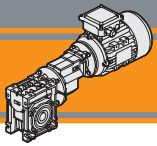
CMPU	IEC	N	M	P	D	i (i ₁ x i ₂)									
						228 (5,7x40)	257.1 (8,57x30)	285 (5,7x50)	342.8 (8,57x40)	428.5 (8,57x50)	456 (5,7x80)	514.2 (8,57x60)	570 (5,7x100)	685.6 (8,57x80)	857 (8,57x100)
01/050	63B5	95	115	140	11		BS								
	63B14	60	75	90											
	71B5	110	130	160	14		B								
	71B14	70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

备注：灰色部分指该型号有适合的电机输入。

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

B/BS = 金属轴套

B/BS = Metal shaft sleeve



CMPU 蜗轮蜗杆减速电机配PU前置级 PU Pre-stage wormgearmotors

技术参数

Technical data

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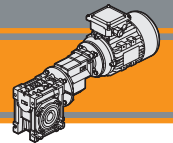
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i	
------------------------	--	------------------------	----	---	---

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	CMPU01/063
	5.4	120	1.4	257.10	
	6.5	108	2.1	214.25	
	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	
	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	

0.18					
TS6324 (1400 min ⁻¹)	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	
	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	CMPU01/063
	12	92	2.8	114.00	
	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	CMPU01/070
	6.5	168	2.0	214.25	
	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	
	2.5	267	1.8	570.00	
	2.0	363	1.5	685.60	
	1.6	402	1.2	857.00	





电机 Motors	TS
	6314 6324
IEC	63 B5 / B14



技术参数

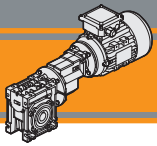
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		
0.25						0.37						
TS6334	49	38	4.1	28.50	CMPU01/050	TS7124	49	56	2.7	28.50	CMPU01/050	
TS7114	33	56	2.8	42.75		(1400 min ⁻¹)	33	84	1.9	42.75		
(1400 min ⁻¹)	25	72	2.1	57.00		25	107	1.4	57.00			
	22	85	1.8	64.28		22	126	1.2	64.28			
	16	103	1.6	85.50		16	152	1.1	85.50			
	16	109	1.4	85.70		16	161	1.0	85.70			
	12	130	1.1	114.00								
	11	155	1.0	128.55			25	109	2.6	57.00		CMPU01/063
	10	152	0.8	142.50			22	127	1.9	64.28		
	8	166	1.0	171.00			16	150	2.0	85.50		
	16	110	2.6	85.70	CMPU01/063	16	163	1.8	85.70			
	12	128	2.0	114.00		12	189	1.4	114.00			
	11	153	2.0	128.55		11	226	1.3	128.55			
	10	150	1.5	142.50		10	222	1.0	142.50			
	8	171	1.8	171.00		8	254	1.2	171.00			
	6.5	226	1.0	214.25		6.5	334	0.7	214.25			
	6.1	206	1.3	228.00		6.1	305	0.9	228.00			
	5.4	258	1.2	257.10								
	4.9	238	1.0	285.00		CMPU01/070	12	192	2.0	114.00		
	10	155	2.2	142.50			CMPU01/070	11	229	1.9	128.55	
	8	171	2.6	171.00	10			229	1.5	142.50		
	6.5	233	1.5	214.25	8			254	1.8	171.00		
	6.1	206	1.8	228.00	6.5			344	1.0	214.25		
	5.4	258	1.8	257.10	6.1			305	1.2	228.00		
	4.9	238	1.4	285.00	5.4			382	1.2	257.10		
	4.1	309	1.2	342.80	4.9			352	1.0	285.00		
	3.3	358	0.9	428.50								
	3.1	305	0.9	456.00	CMPU01/075			6.5	344	1.2	214.25	
	4.9	238	1.7	285.00		CMPU01/075		6.1	310	1.5	228.00	
	4.1	315	1.5	342.80			5.4	382	1.4	257.10		
	3.3	358	1.1	428.50			4.9	352	1.1	285.00		
	3.1	305	1.1	456.00			4.1	466	1.0	342.80		
	2.7	404	0.9	514.20								
	4.1	332	2.4	342.80			CMPU01/090	6.5	366	1.9	214.25	
	3.3	387	1.8	428.50				CMPU01/090	6.1	327	2.5	228.00
	3.1	335	1.6	456.00					5.4	401	2.4	257.10
	2.7	438	1.4	514.20					4.9	381	1.8	285.00
	2.5	372	1.3	570.00	4.1				492	1.7	342.80	
	2.0	504	1.1	685.60	3.3	572			1.2	428.50		
	1.6	559	0.9	857.00	3.1	496			1.1	456.00		
					2.7	649			1.0	514.20		
					2.5	550			0.9	570.00		

CMPU





电机 Motors	TS	
	6334	7114 7124
IEC	63 B5 / B14	71 B5 / B14



CMPU 蜗轮蜗杆减速电机配PU前置级 PU Pre-stage wormgearmotors

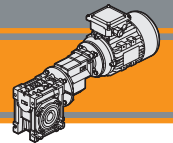
技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
0.55						0.75					
TS7134	49	84	1.8	28.50	CMPU01/050	TS7144	49	114	1.4	28.50	CMPU01/050
TS8014	33	124	1.3	42.75		TS8024	33	169	0.9	42.75	
(1400 min ⁻¹)	25	159	1.0	57.00		(1400 min ⁻¹)	49	116	1.8	28.50	
	49	85	2.4	28.50		33	171	1.7	42.75		
	33	126	2.3	42.75		25	220	1.3	57.00		
	25	161	1.8	57.00	CMPU01/063		22	258	0.9	64.28	CMPU01/063
	22	189	1.3	64.28			16	304	1.0	85.50	
	16	223	1.4	85.50			16	331	0.9	85.70	
	16	243	1.2	85.70	CMPU01/070		33	174	1.8	42.75	CMPU01/070
	12	281	0.9	114.00			25	223	1.9	57.00	
	11	336	0.9	128.55			22	261	0.9	64.28	
	22	191	1.3	64.28	CMPU01/070		16	309	1.4	85.50	CMPU01/070
	16	226	1.9	85.50			16	335	0.9	85.70	
	16	246	1.3	85.70			12	389	1.0	114.00	
	12	285	1.4	114.00	CMPU01/075		11	464	0.9	128.55	CMPU01/075
	11	340	1.3	128.55			8	514	0.9	171.00	
	10	341	1.0	142.50			22	261	0.9	64.28	
	8	377	1.2	171.00	CMPU01/075		16	313	1.7	85.50	CMPU01/075
	12	289	1.6	114.00			16	335	0.9	85.70	
	11	345	1.3	128.55			12	394	1.2	114.00	
	10	341	1.2	142.50	CMPU01/075		11	470	0.9	128.55	CMPU01/075
	8	377	1.5	171.00			10	464	0.9	142.50	
	6.5	512	0.8	214.25			8	514	1.1	171.00	
	6.1	461	1.0	228.00	CMPU01/090		16	322	2.7	85.50	CMPU01/090
	5.4	567	1.0	257.10			16	348	0.9	85.70	
	11	354	1.3	128.55			12	412	2.0	114.00	
	10	362	2.0	142.50	CMPU01/090		11	483	0.9	128.55	CMPU01/090
	8	396	2.4	171.00			10	493	1.4	142.50	
	6.5	544	1.3	214.25			8	540	1.7	171.00	
	6.1	486	1.7	228.00	CMPU01/090		6.5	741	1.0	214.25	CMPU01/090
	5.4	596	1.3	257.10			6.1	663	1.2	228.00	
	4.9	566	1.2	285.00			5.4	812	0.9	257.10	
	4.1	731	1.1	342.80	CMPU01/090		4.9	772	0.9	285.00	CMPU01/090




电机 Motors	TS	
	7134 7144	8014 8024
IEC	71 B5 / B14	80 B5 / B14



技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i	
1.1					
TS8034 (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	
	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	



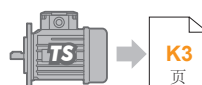
电机 Motors	TS
	8034
IEC	80 B5 / B14

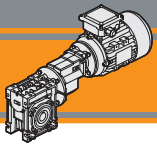
电机技术参数

请见专用页面:

Electrical technical data

Please see the dedicated paragraph:





CMPU 蜗轮蜗杆减速电机配PU前置级 PU Pre-stage wormgearmotors

尺寸参数

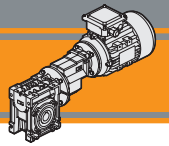
Dimensions

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

(*) 注释: 重量Kg仅指减速机的重量
Note: The weight in kg is referred to only the gearmotor

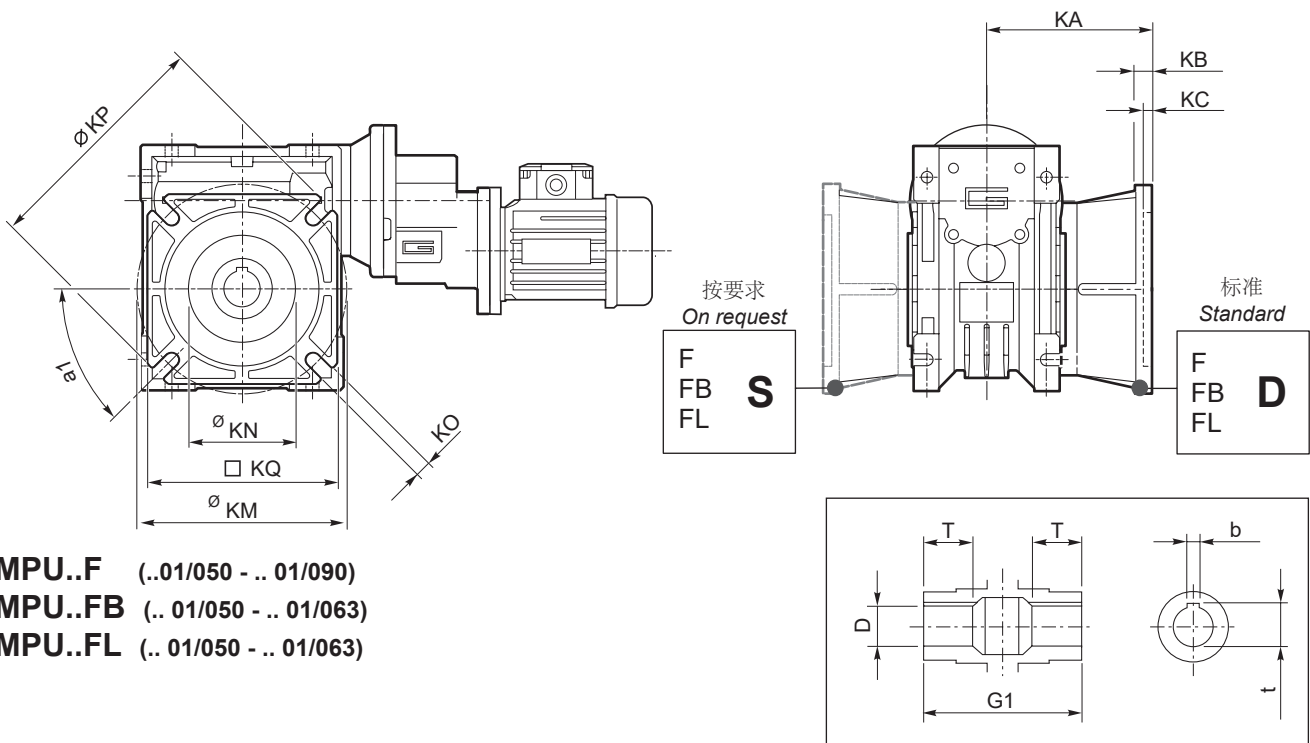
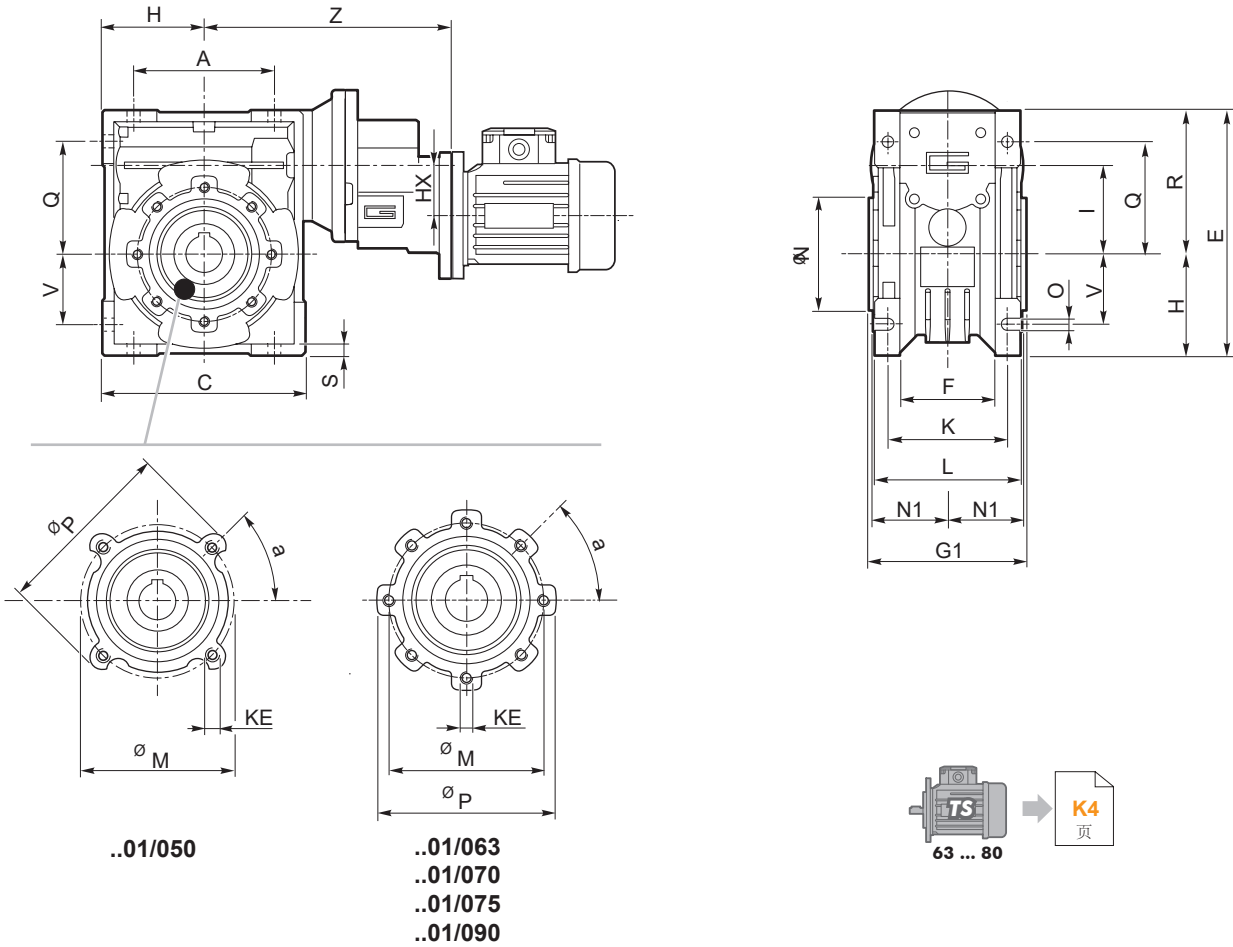
	CMPU..F								CMPU..FB								CMPU..FL							
	a1	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ	KA	KB	KC	KM	KN _{H8}	KO	KP	KA	KB	KC	KM	KN _{H8}	KO	KP	KQ
01/050	45°	90	9	5	90-110	70	11(n.4)	125	110	89	9	5	130-145	110	9.5(n.4)	160	120	9	5	90-110	70	11(n.4)	125	110
01/063	45°	82	10	6	150-160	115	11(n.4)	180	142	98	10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



尺寸参数

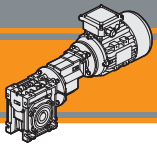
Dimensions

CMPU..U



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

CMPU

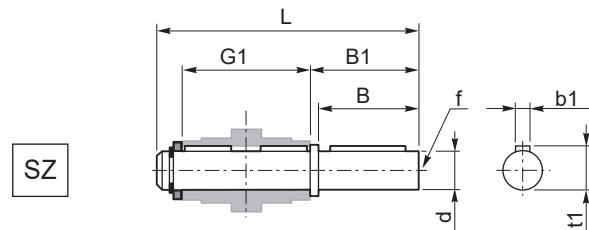
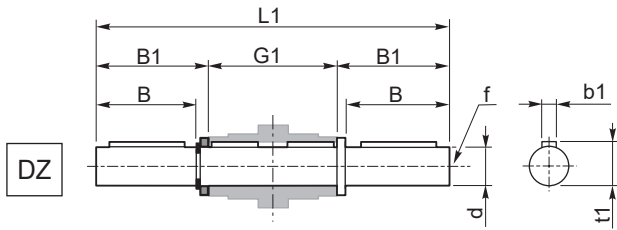


附件

Accessories

单向和双向输出轴

Single and double output shaft

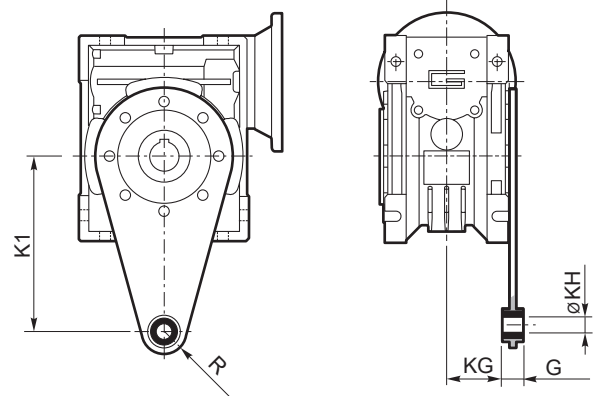


CMPU	d _{h7}	B	B1	G1	L	L1	f	b1	t1
01/050	25	50	53.5	92	153	199	M10	8	28
01/063	25	50	53.5	112	173	219	M10	8	28
01/070	28	60	63.5	120	192	247	M10	8	31
01/075	28	60	63.5	120	192	247	M10	8	31
01/090	35	80	84.5	140	234	309	M12	10	38

扭力臂

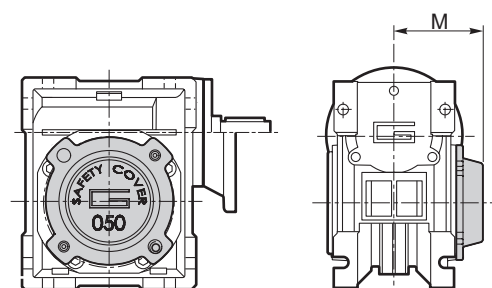
Torque arm

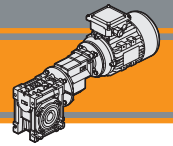
CMPU	K1	G	KG	KH	R
01/050	100	14	38	10	18
01/063	150	14	47.5	10	18
01/070	200	25	46.5	20	30
01/075	200	25	46.5	20	30
01/090	200	25	56.5	20	30



SC - 防护罩 / Safety Cover

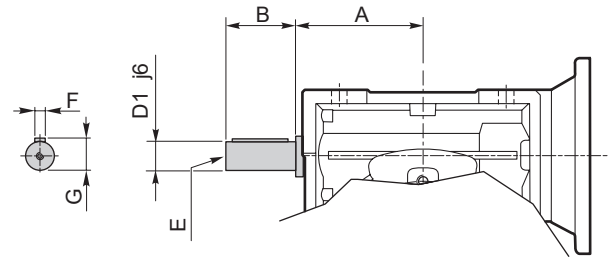
CMPU	M
01/050	62.5
01/063	73
01/070	75
01/075	79
01/090	94





VS - 加长输入轴 / 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



 按需求定制
Built on request

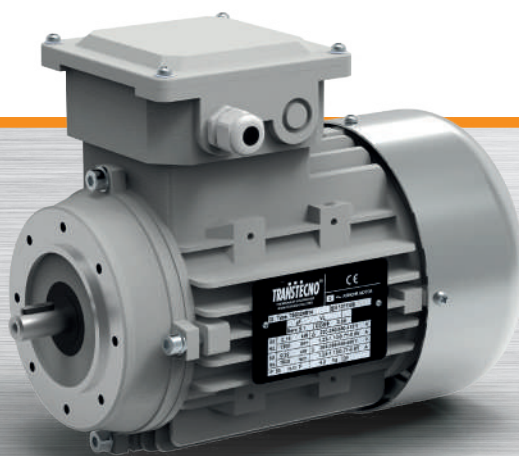
TRANSTECNO[®]
the modular gearmotor

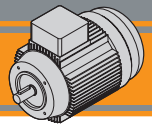
TS

TS



AC 交流异步电机
AC asynchronous electric motors

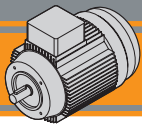




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型式	<i>Versions</i>	K2
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出线螺套尺寸	<i>Cable glands data</i>	K7
接线图	<i>Connection diagram</i>	K7
铭牌	<i>Nameplate</i>	K7

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TS AC交流电机

AC Electric motors

技术特征

Technical characteristics

所有TS系列电机均采用风扇冷却，并采用B5、B14型铝制外壳。

All TS series motors are fan cooled and made with an aluminium frame in version B5, B14.

TS系列包括230/400 Vac 50 Hz 和275/480 Vac 60 Hz 的三相4极电机，其功率范围从0.09 kw到2.2 kw。

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.

主要特征有：

Standard features are:

- F级绝缘等级
- IP55防护等级
- 适用环境温度：-20 °C ÷ +40 °C.

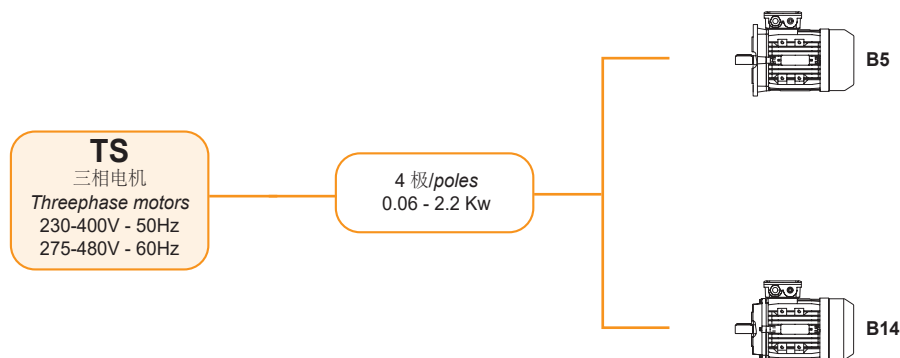
- Class F thermal insulation
- IP55 enclosure protection
- Ambient temperature: -20 °C ÷ +40 °C.

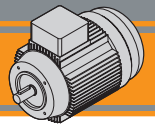
选型

三相电机 / THREE PHASE MOTOR								
TS	63	2	4	0.18	B5	3 ph	230-400 V	50 Hz
类型 Type	型号 Size	功率等级 Power coefficient	极 Poles	功率 Power	法兰型号 Version	相 Phases	电压 Voltage	频率 Frequency
TS 三相 threephase	见表格 see tables	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

法兰型号

Versions





代号和公式说明

Symbols and formulas

P_n	[kW]	额定功率	Rated power
I_n	[A]	额定电流 (400V)	Rated current (at 400V)
M_n	[Nm]	额定扭矩	Rated torque
n_n	[rpm]	额定转速	Rated speed
LR	[dB]	噪音等级	Noise Level
M_s / M_n		启动扭矩/额定扭矩	Ratio start torque / rated torque
M_k / M_n		最大扭矩/额定扭矩	Ratio max torque / rated torque
M_{sel} / M_n		堵转扭矩/额定扭矩	Ratio saddle torque / rated torque
I_s / I_n		启动电流 / 额定电流	Ratio start current / rated current
$\cos\phi$		额定扭矩负载下的功率因素	Power factor at rated torque load
η		额定扭矩负载下的效率	Efficiency at rated torque load
功率 Power	[HP]	功率 [kW] x 1.34 (about)	Power [kW] x 1.34 (about)
输出功率 P_n P_n output power	[kW]	吸收功率 x η	Absorbed power x η
吸收功率 Absorbed power	[kW]	$\frac{\sqrt{3} \times I \times PF}{1000}$ (单相) $\frac{\sqrt{3} \times I \times \sqrt{3} \times PF}{1000}$ (三相)	$\frac{\sqrt{3} \times I \times PF}{1000}$ (singlephase) $\frac{\sqrt{3} \times I \times \sqrt{3} \times PF}{1000}$ (threephase)
I_n (230 V)		I_n (400 V) x $\sqrt{3}$	I_n (400 V) x $\sqrt{3}$

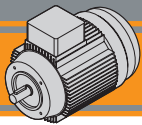
技术参数

Technical data

TS 三相电机 / TS Three phase motors

(230-400 V / 50 Hz - 1400 min⁻¹) 极 / poles 4

TS	P_n [kW]	M_n [Nm]	n_n [min ⁻¹]	I_n (400V) [A]	η %	$\cos\phi$	M_s/M_n	I_s/I_n	M_k/M_n	M_{sel}/M_n	LR [dB]	质量 Mass [Kg]	工作制 Duty
562-4	0.09	0.63	1360	0.45	52	0.59	2.3	4	2.4	2	50	3.2	S3 70%
631-4	0.12	0.84	1360	0.55	52	0.64	2.2	4	2.4	2	52	3.7	
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	



TS 系列三相电机尺寸

B5

TS Series three phase motor dimensions

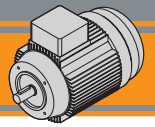
TS	轴 / Shaft					B5											
	D	E	DH	GA	F	P	M	N	S	T	AC	AD	AF	KK	L	LL	V
56	9	20	M3	10.2	3	120	100	80	7	3	117	100	88	1-M16x1.5	196	88	14
63	11	23	M4	12.5	4	140	115	95	10	3	130	108	94	1-M16x1.5	220	94	14
71 1/2 (3/4)	14	30	M5	16	5	160	130	110	10	3.5	147	115	94	1-M20x1.5	241 (255)	94	20
80	19	40	M6	21.5	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

TS 系列三相电机尺寸

B14

TS Series three phase motor dimensions

TS	轴 / 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



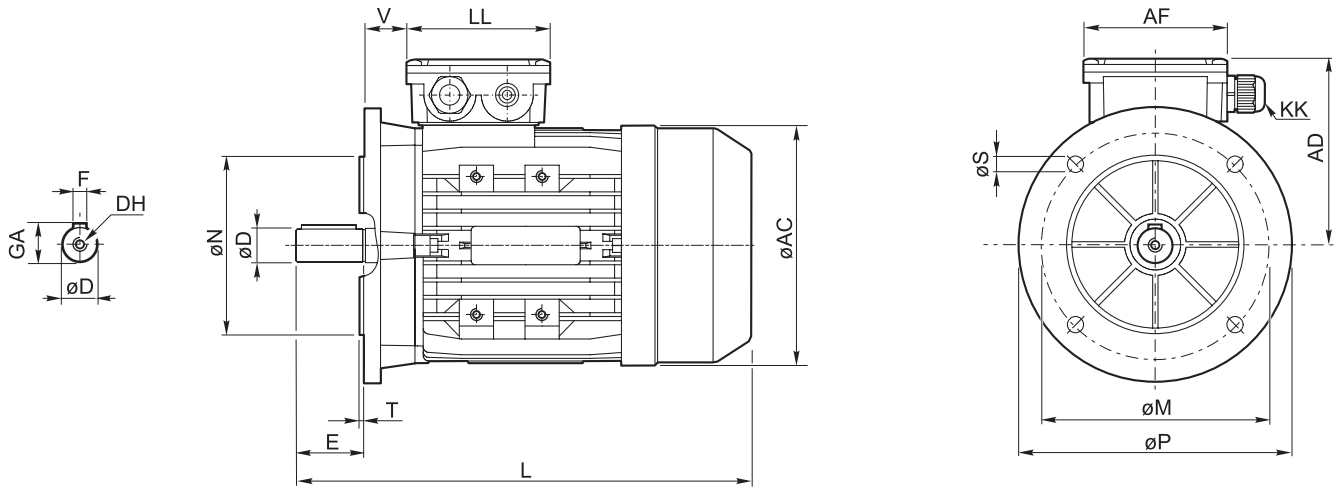
技术参数: 电机尺寸

Technical data: motor dimensions

TS 系列三相电机尺寸

B5

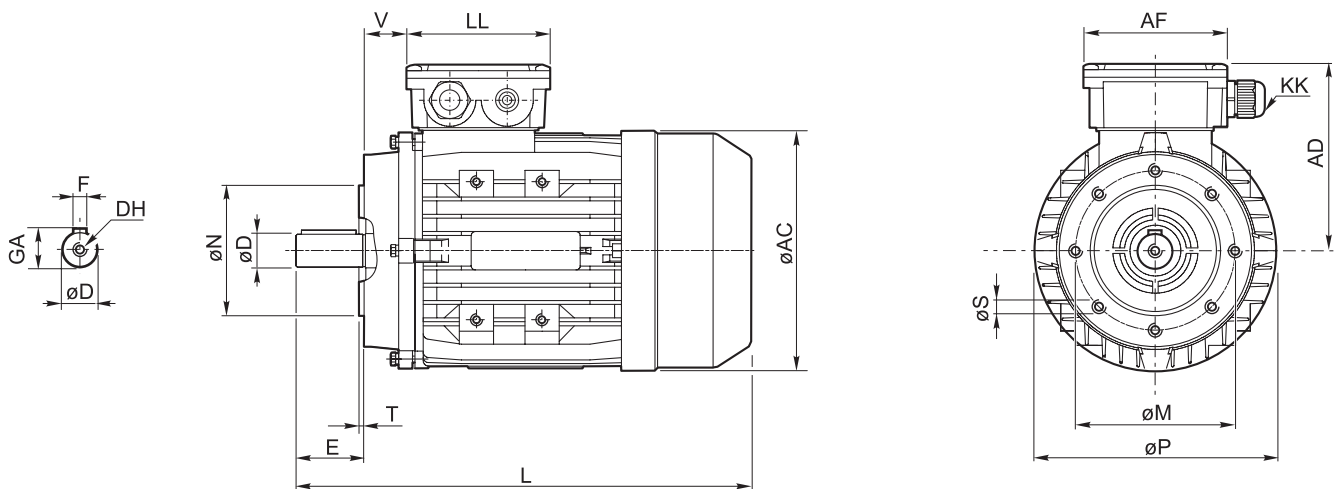
TS Series three phase motor dimensions

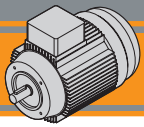


TS 系列三相电机尺寸

B14

TS Series three phase motor dimensions





IEC工作制

IEC duty cycles

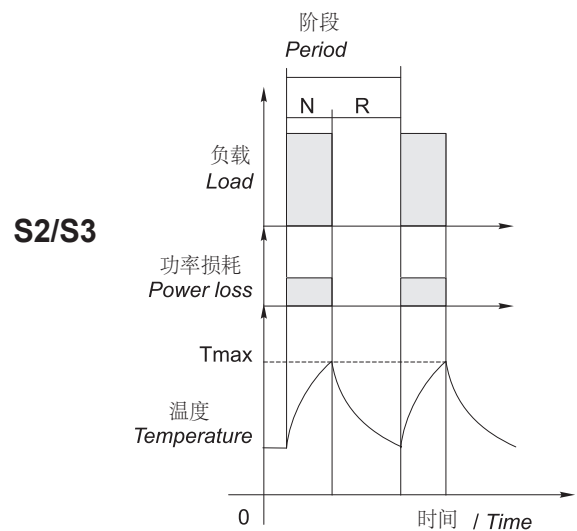
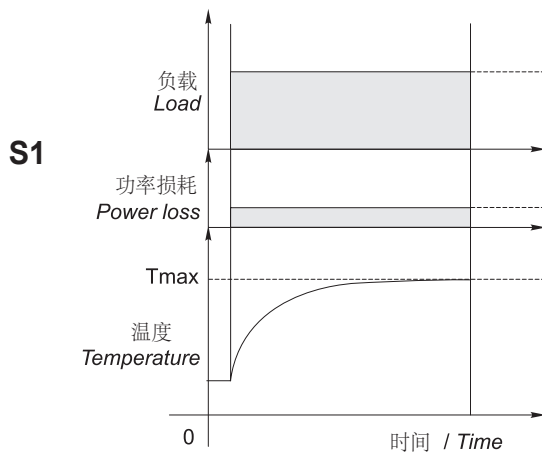
电机的占空比表示其使用和运行周期。

The duty cycle of a motor indicates its use and running cycle.

最常见的占空比图

Most common duty cycles diagram

N = 运行 / run
R = 休息 / rest



注释：同一台电机可在各工作制条件下运行，限制因素为内部温度不得超过电机绝缘等级规定的Tmax。

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.

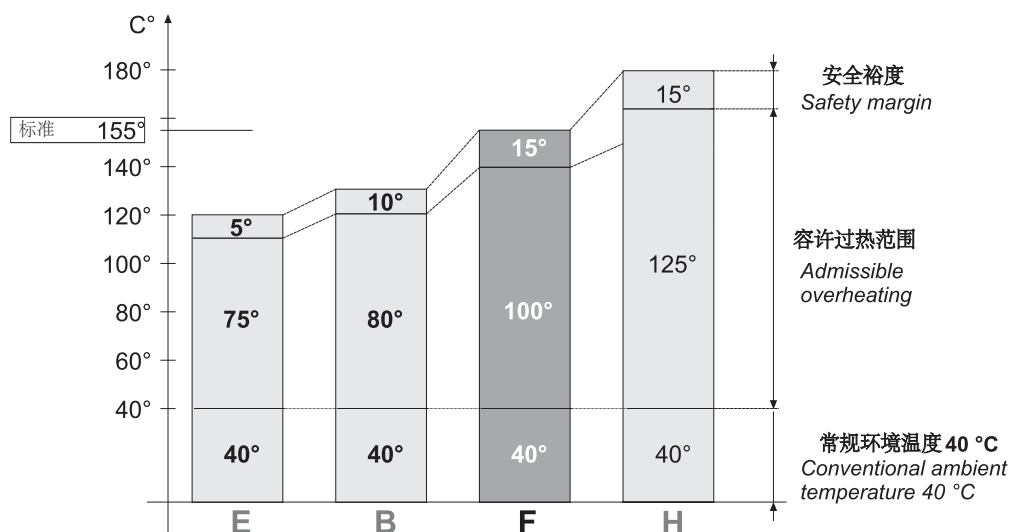
绝缘等级

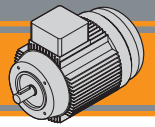
Insulation class

绝缘等级表示在电机（绕组）内部最热点测得的热防护等级。绝缘等级F。

Thermal insulation class indicates the level of thermal protection measured at the hottest point inside the motor (windings). Thermal insulation class F.

等级 Class	最大绕组温度 Max. windings temp.
E	120°C
B	130°C
F	155°C
H	180°C






TS系列 - 60 Hz 电源

Series TS - 60 Hz line power supply

60 Hz操作下的速度、扭矩和额定功率如下表所示:

Speed, torque and rated power in 60 Hz operation is shown in the following table:

	50 Hz	60 Hz
400 V	请见技术参数 / see technical data 	速度 speed $\approx +20\%$ 扭矩 torque $\approx -20\%$ 功率 power \approx 相同 the same
480 V	不允许 / not allowed	速度 speed $\approx +20\%$ 扭矩 torque \approx 相同 the same 功率 power $\approx +20\%$

出线螺套尺寸

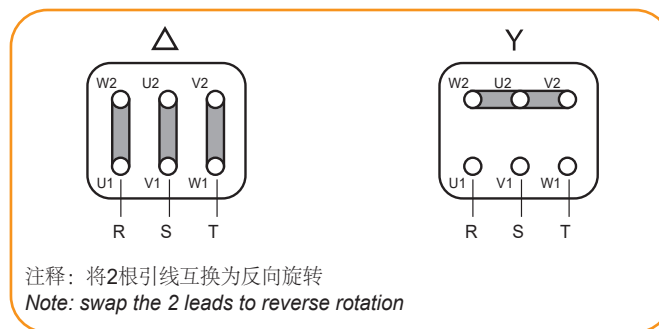
Cable glands data

TS	出线螺套 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

接线图



Connection diagram

TS - 230 V - 50 Hz (275 V 60Hz) / 400 V - 50 Hz (480 V 60Hz)



铭牌

Nameplate

 THE MODULAR GEAR MOTOR www.transtecnoc.com		 3 ASINCHR. MOTOR	
03 Type	μF		VL
	Serv. S 1	cos φ	
50 Hz.	kW	Δ 220 - 240/380 - 415 Y V	
	rpm	A	
60 Hz.	kW	Δ 264 - 288/456 - 498 Y V	
	rpm	A	
IP 55	Is.cl. F	Kg.OP	





附录
Appendix

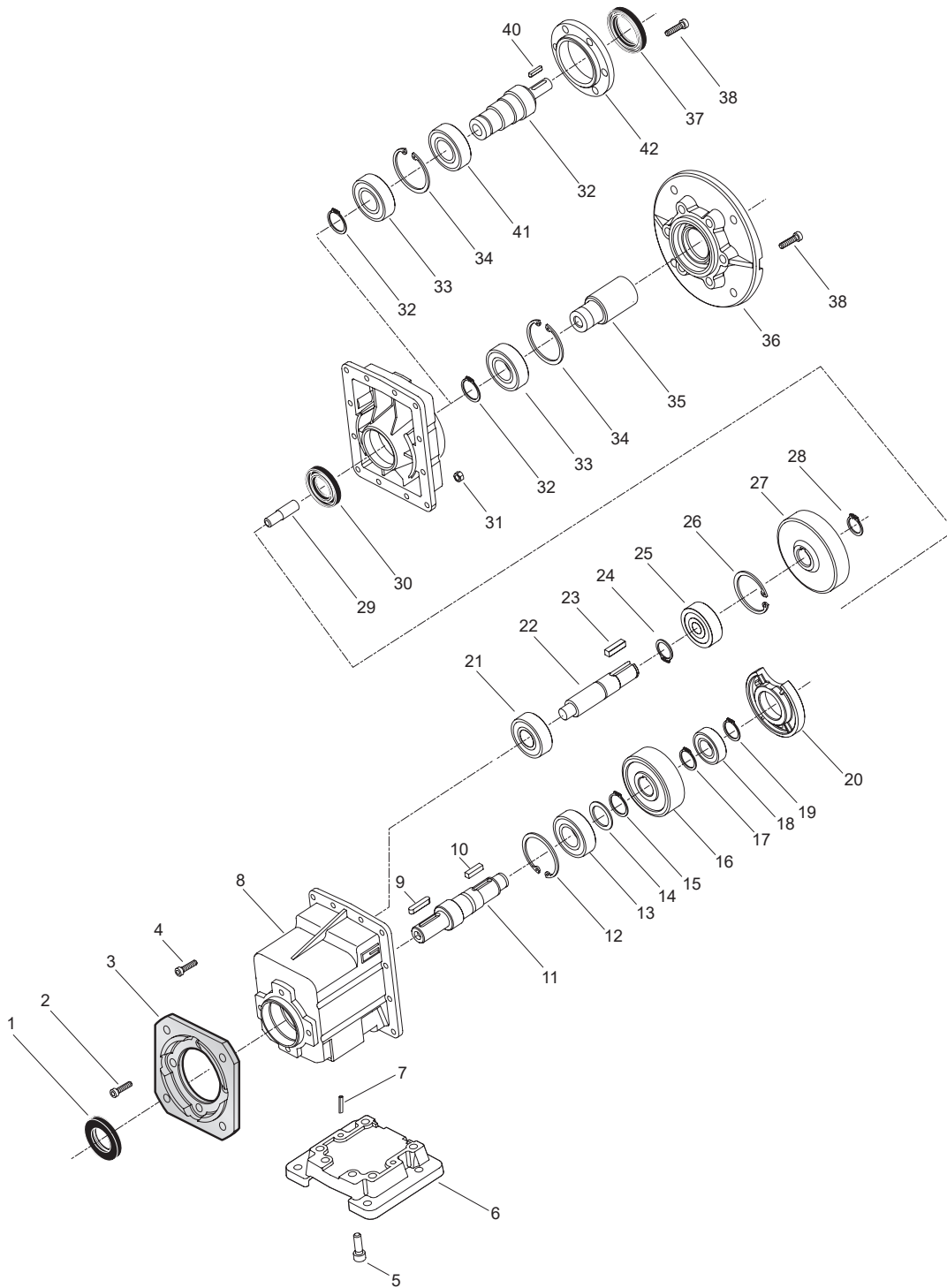


索引	<i>Index</i>	页码 <i>Page</i>
零部件清单	<i>Spare parts list</i>	
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CMG..3	<i>CMG..3</i>	L3
CMB..2	<i>CMB..2</i>	L4
CMB..3	<i>CMB..3</i>	L5
FT105	<i>FT105</i>	L6
FT146-FT176-FT196	<i>FT146-FT176-FT196</i>	L7
ATS..2	<i>ATS..2</i>	L8
ATS..3	<i>ATS..3</i>	L9
CM026..CM130	<i>CM026..CM130</i>	L10
CL026..CL070	<i>CL026..CL070</i>	L10
PU	<i>PU</i>	L11
金属轴套	<i>Metal shaft sleeves</i>	L11

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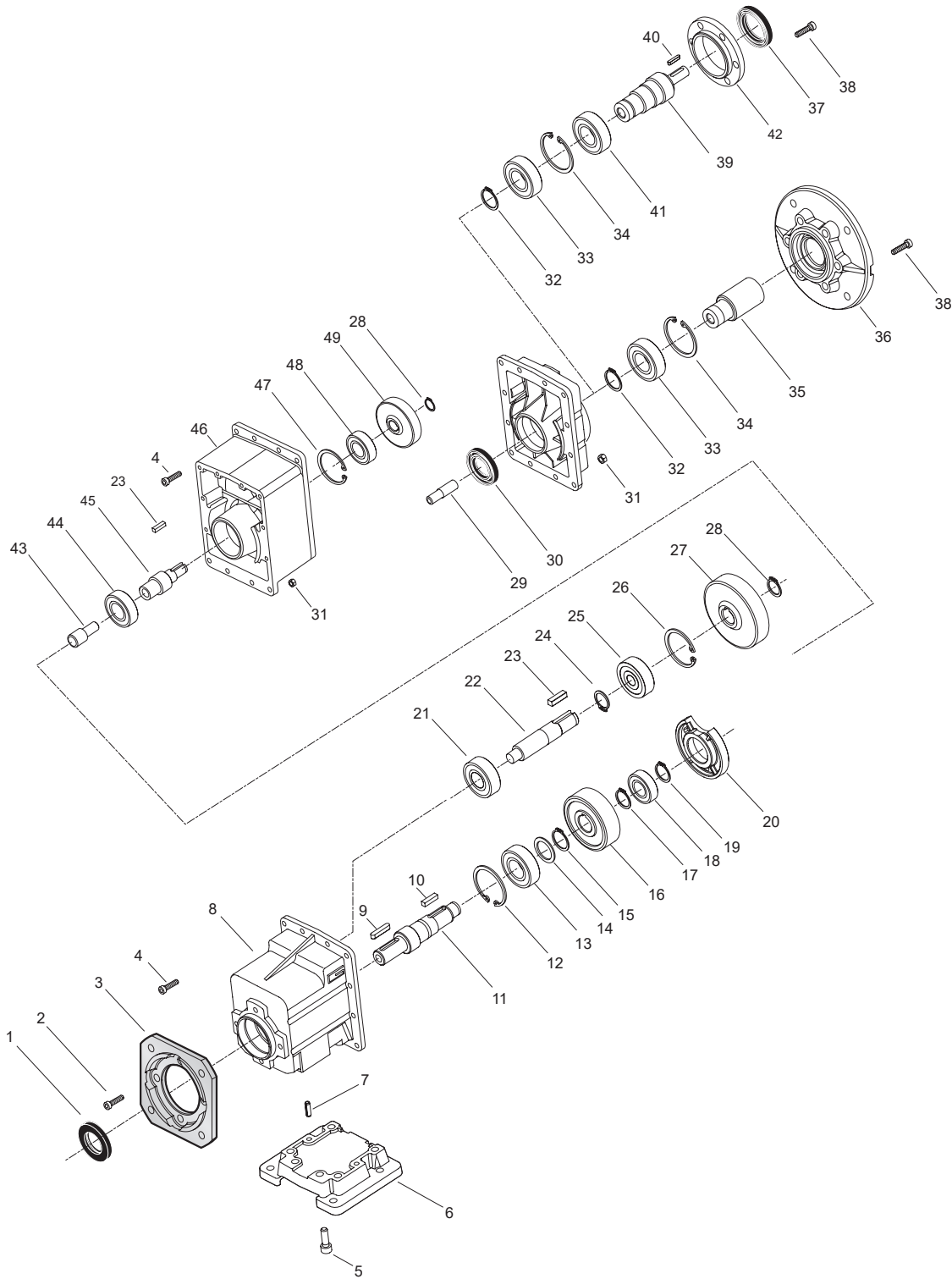
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CMG..2



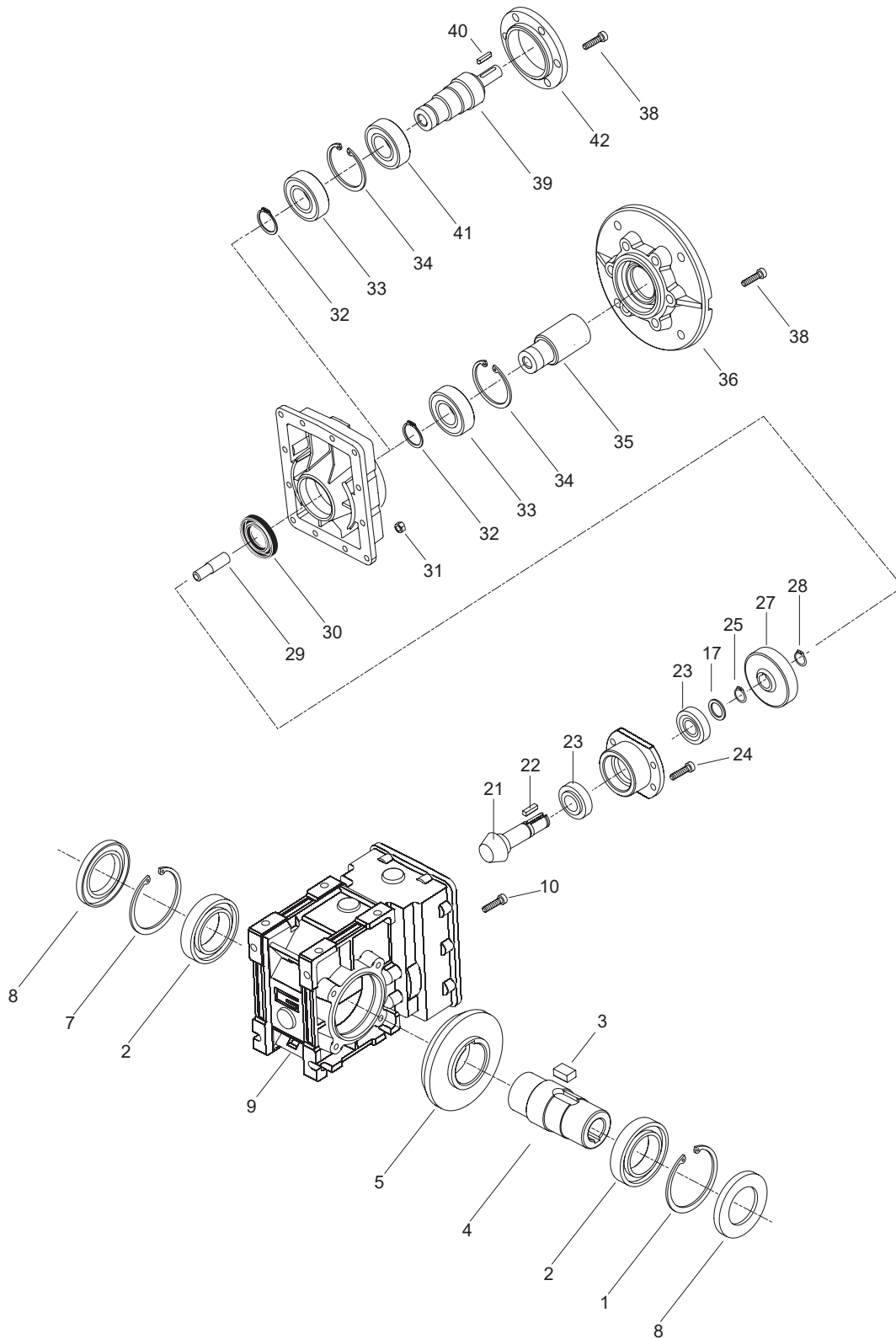
CMG	油封 / Oil seals		
	1	30	37
002	22/40/7	20/37/7	—
012	30/52/7	25/47/7	35/52/7
022	35/52/7	25/47/7	35/52/7
032	40/72/7	30/52/7	40/60/7
042	45/72/7	30/52/7	40/60/7

CMG..3



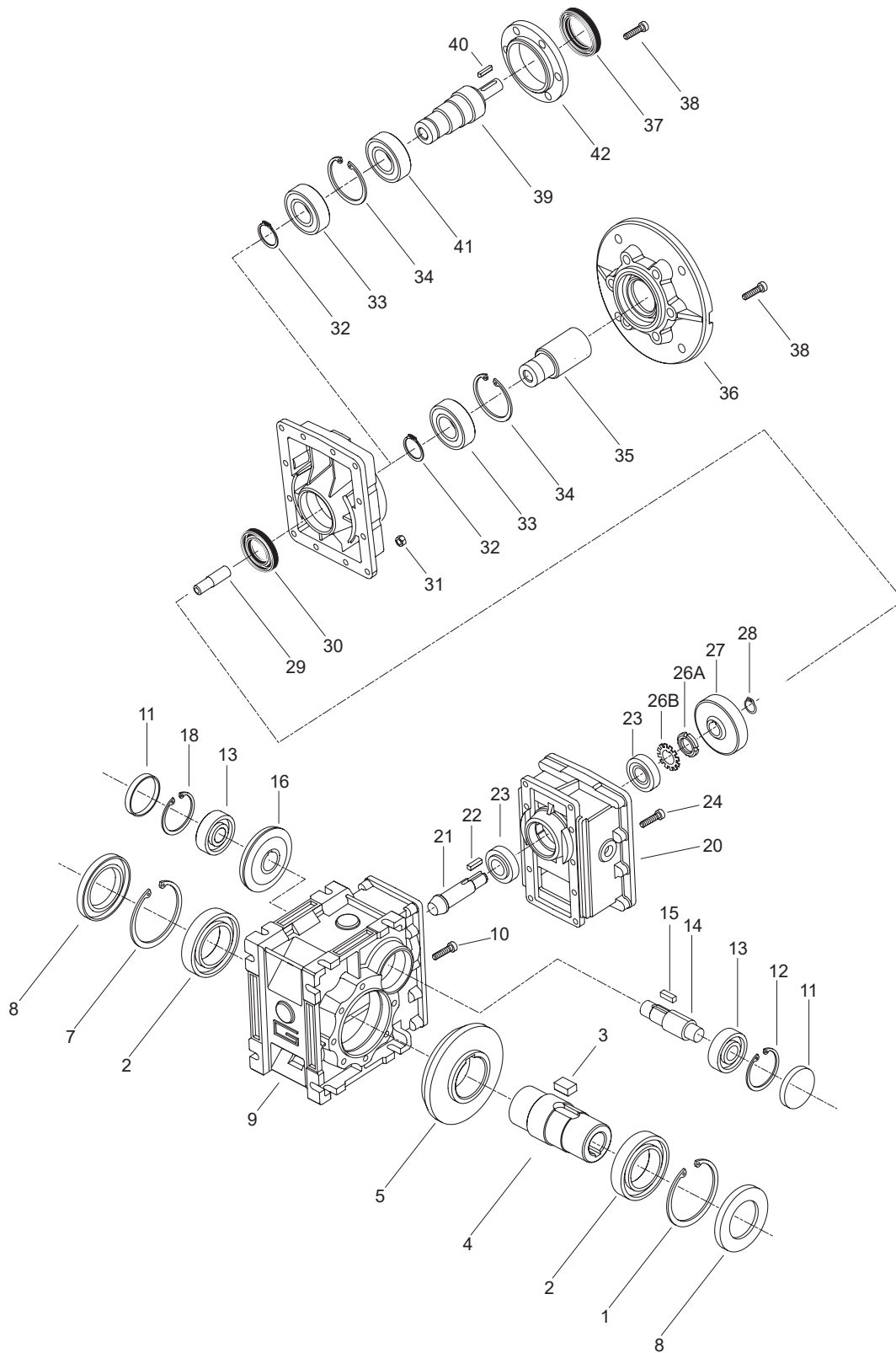
CMG	油封 / Oil seals		
	1	30	37
013	30/52/7	25/47/7	35/52/7
023	35/52/7	25/47/7	35/52/7
033	40/72/7	30/52/7	40/60/7
043	45/72/7	30/52/7	40/60/7

CMB ..2



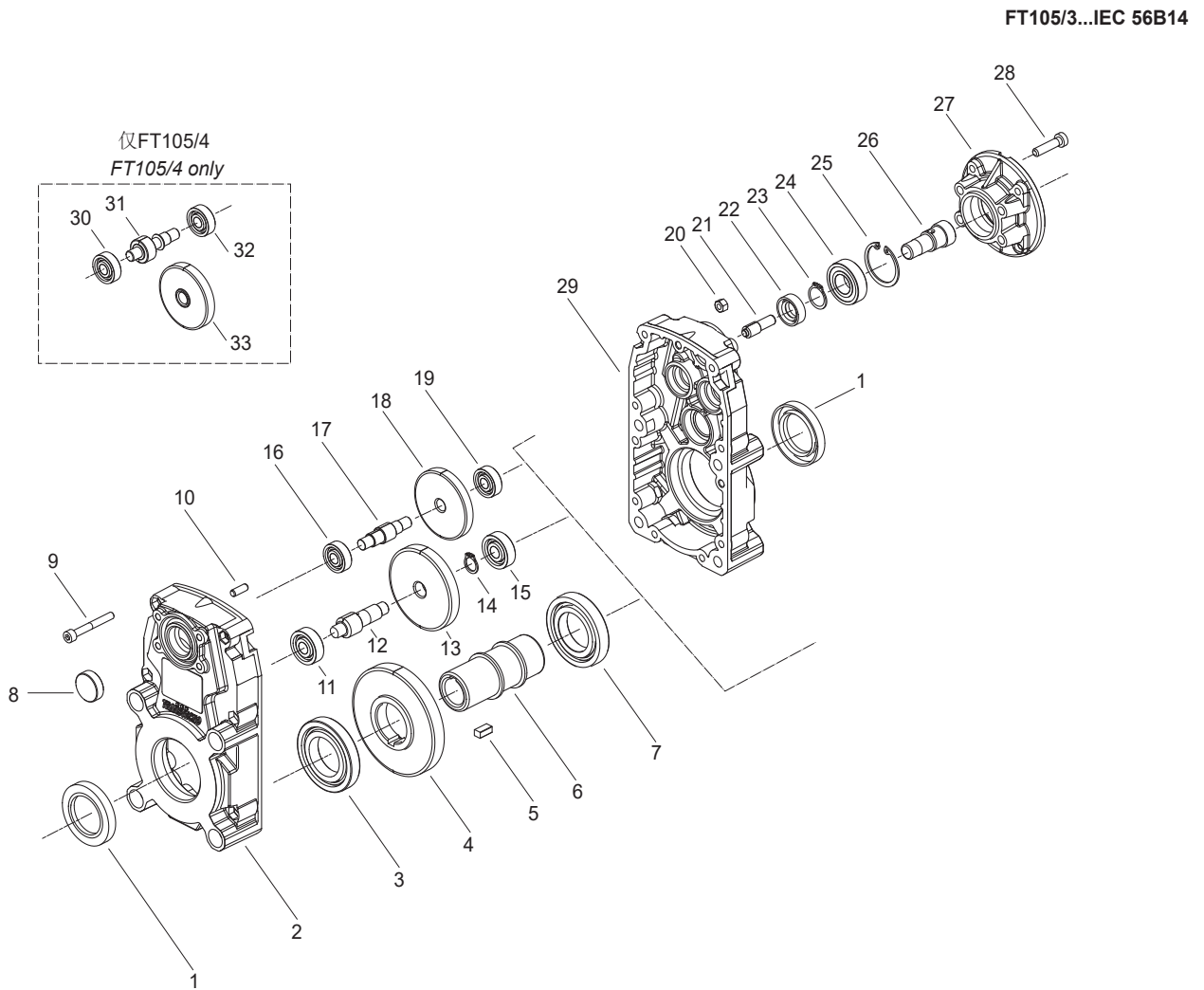
CMB	油封 / Oil seals	
	8	30
402	30/55/7	20/37/7
502	40/62/7	20/37/7

CMB ..3



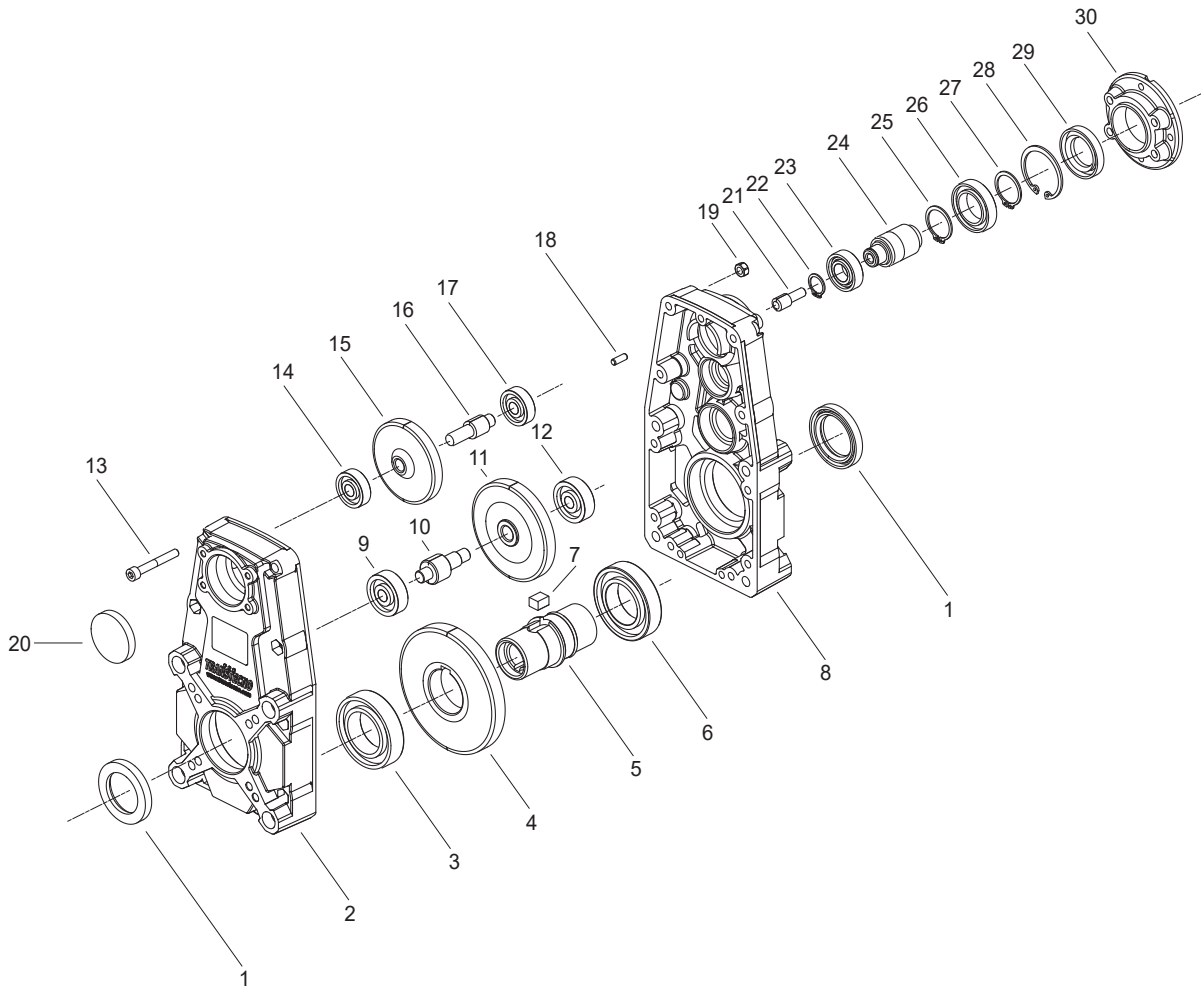
CMB	油封 / Oil seals			RCA
	8	30	37	11
633	45/75/8	25/47/7	35/52/7	47/7
903	55/90/10	30/52/7	40/60/7	52/7

FT105



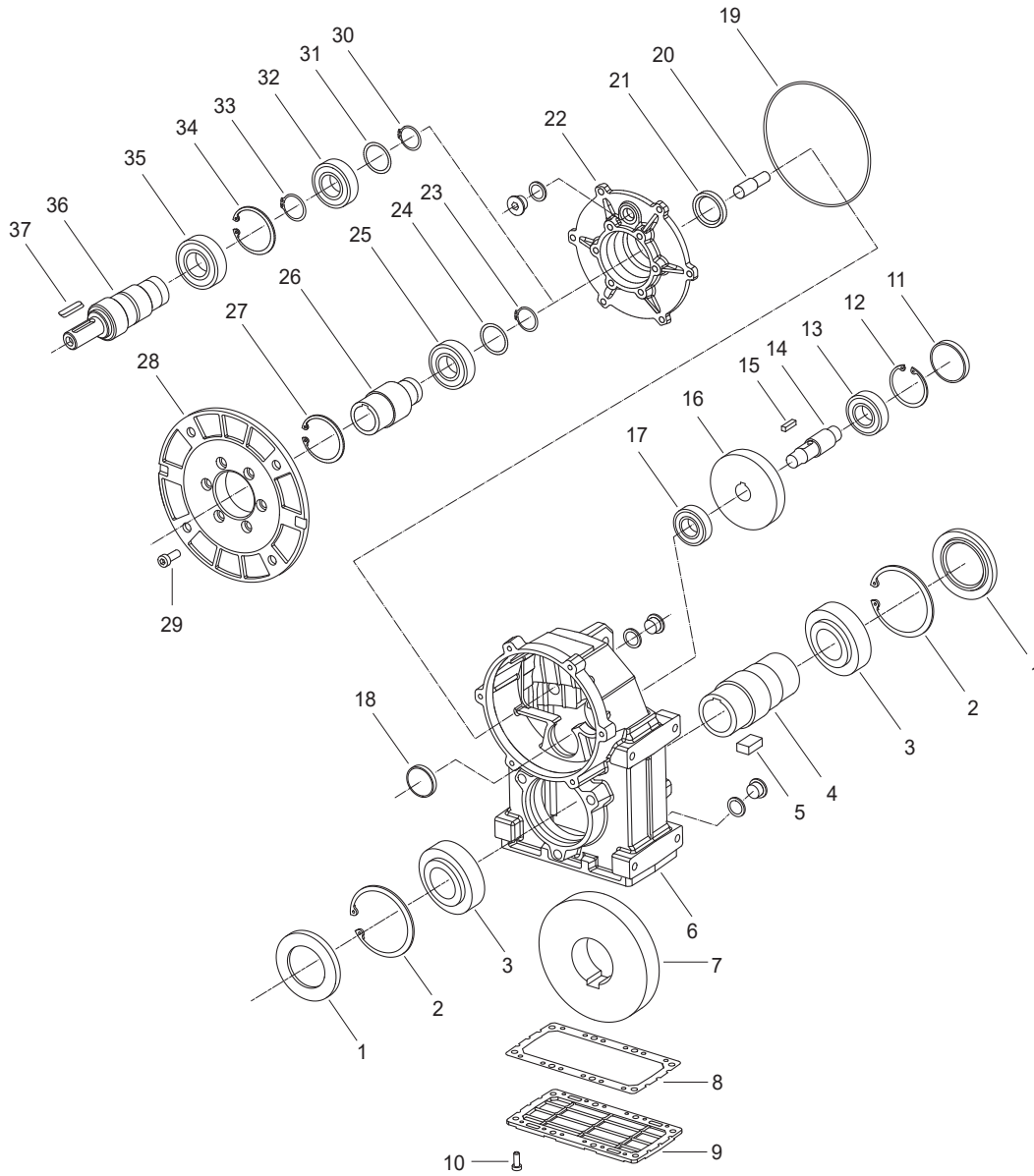
	油封 / Oil seals		RCA
	1	22	8
FT105	30/47/07	12/22/07	22x7

FT146 - FT176 - FT196



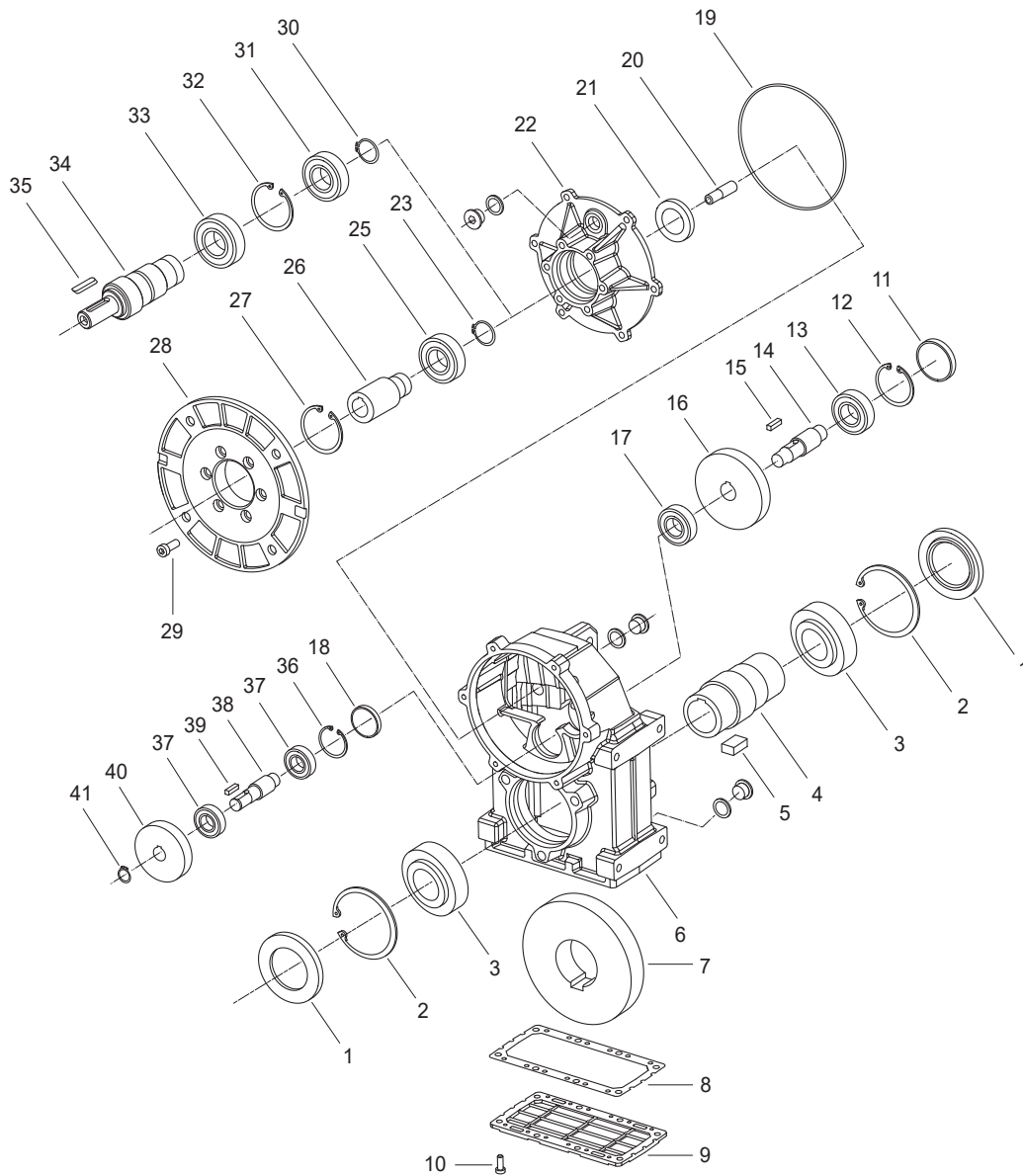
FT	油封 / Oil seals		RCA
	1	29	20
146	35/52/07	25/42/07	42x7
176	45/65/08	30/47/7	47x7
196	50/72/08	30/47/08	47x7

ATS ..2



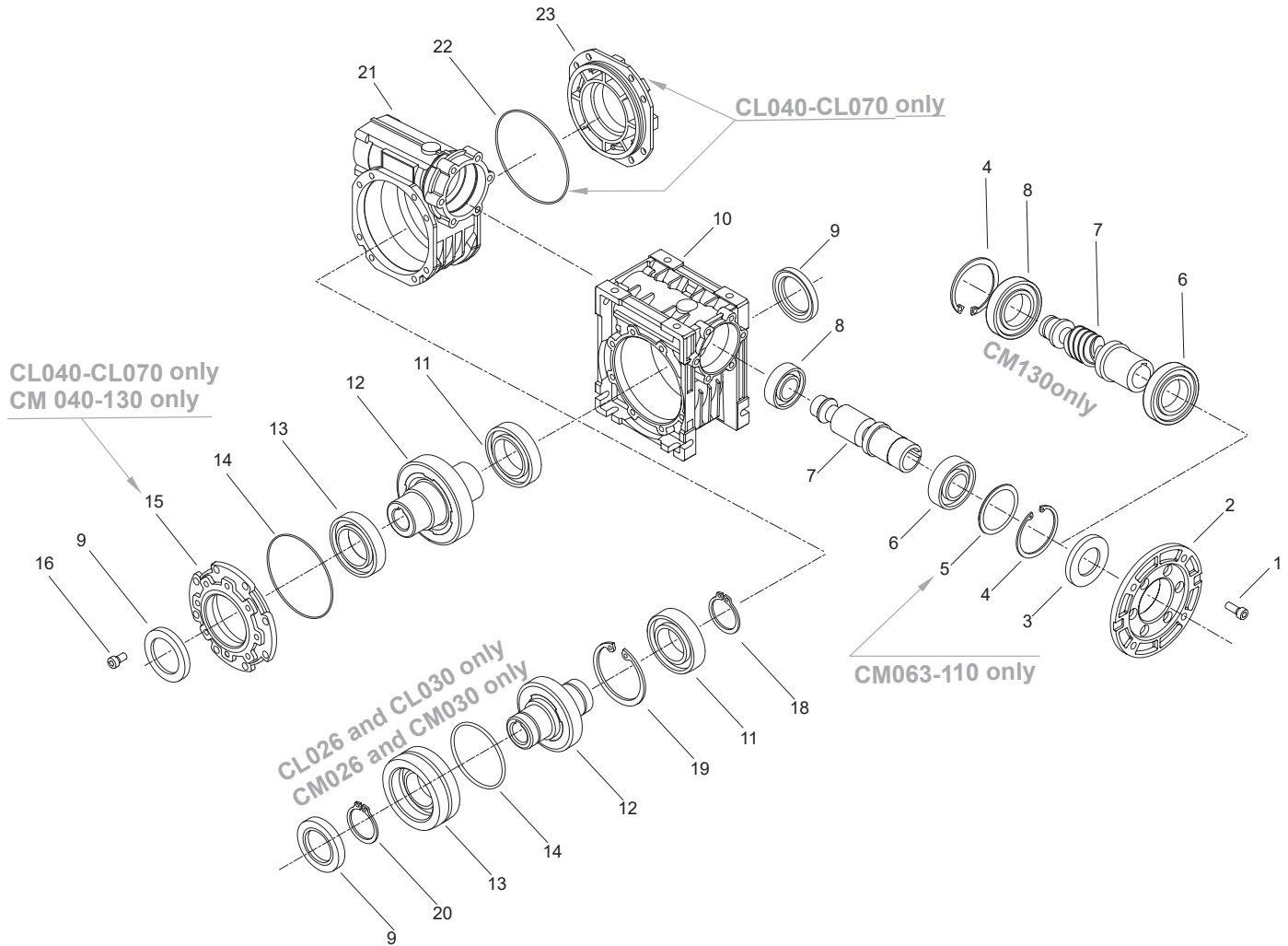
ATS	油封 / Oil seals		RCA
	1	21	11
902	50/80/8	30/42/7	47x7
912	60/95/8	30/42/7	47x7

ATS ..3



ATS	油封 / Oil seals		RCA
	1	21	11
903	50/80/8	25/47/7	47x7
913	60/95/8	25/47/7	47x7

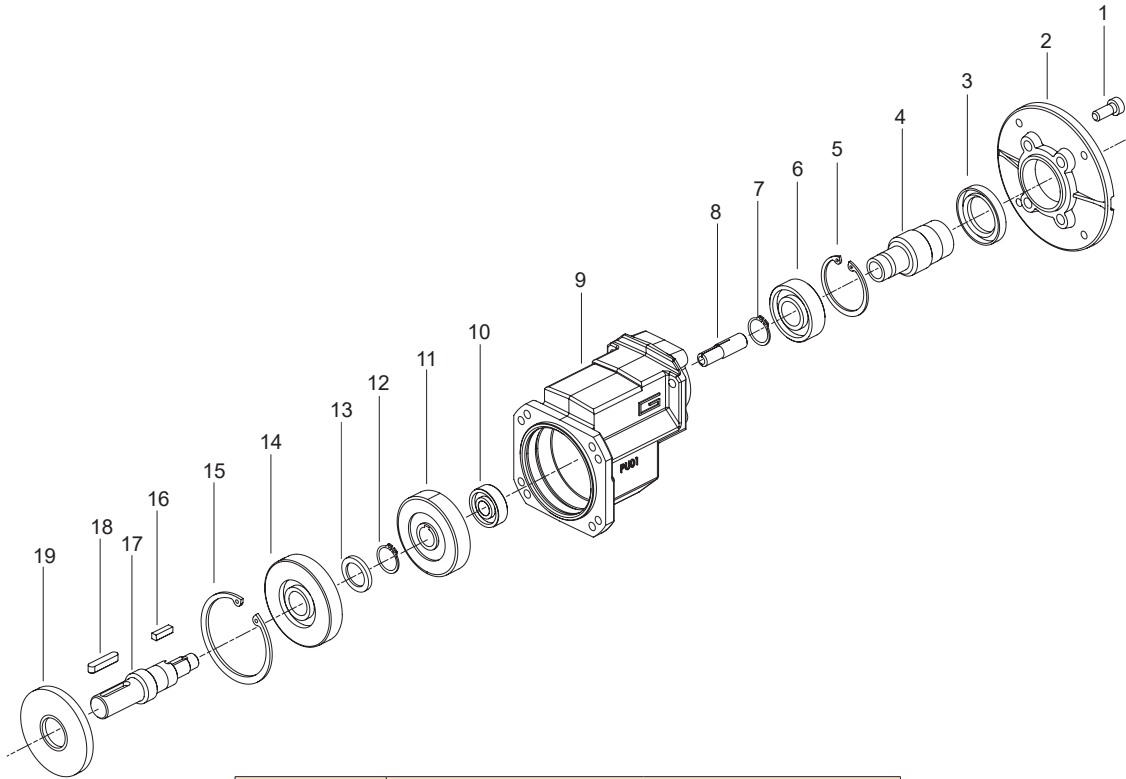
CM026..CM130 - CL026..CL070



CM	油封 / 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	油封 / 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

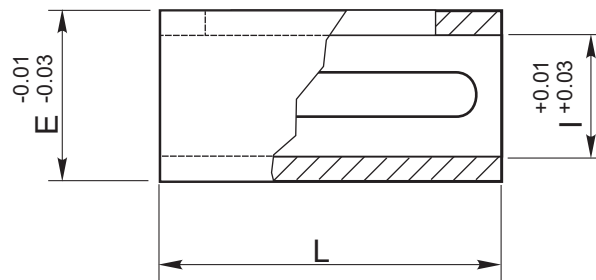
PU



PU	油封 / Oil seals	
	3	19
01	30/47/7	25/72/7

金属轴套

Metal shaft sleeves



类型 / Type	尺寸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

注释：金属轴套全部配有键。
Note: The metal shaft sleeves are supplied complete with keys.

注释 / Notes

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