



赛勒传动设备（杭州）有限公司

SLER Transmission Devices (Hangzhou) Co., Ltd.

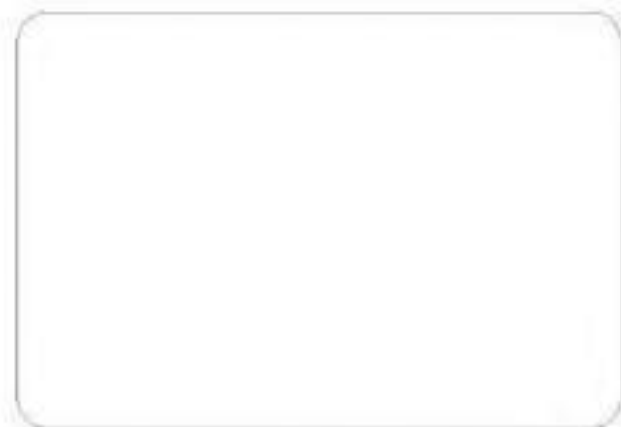
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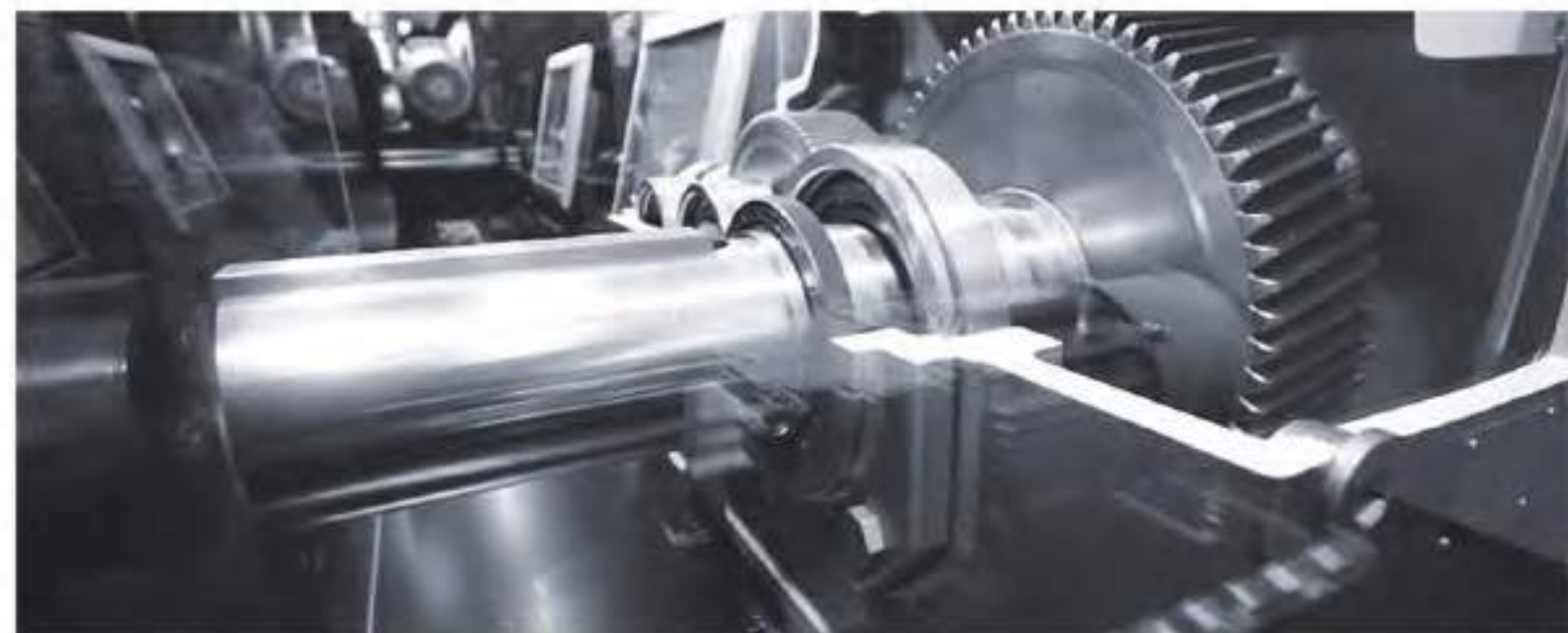
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赛勒传动设备（杭州）有限公司始创于2018年，用心做好每一台减速机，匠心铸造减速机配套用户百年企业。赛勒减速机、电机、变频器、控制系统等整体传动解决方案，服务全球用户。赛勒坚持“细节决定成败、从专业化、智能化”的发展规划，引进DEMAG加工中心、Gleason磨齿机、海克斯康三坐标等世界先进的加工设备和检测设备，致力于打造全球数字化智慧传动供应商。

SLER Transmission Devices (Hangzhou) Co., Ltd. was founded in 2018. It takes great care to make every reducer perfectly and aim to be a one-hundred-year enterprise in reducer user field. The Saile overall solution on reducer, electrical machine, frequency transformer and control system provides services for global users. The Saile company has been determined to the development planning of "details determine success or failure, specialization and intellectualization". Introduces DEMAG process centre, Gleason gear grinding machine, Haxkang three coordinate demention meter ect, some of world's advanced processing devices and testing equipments and devotes itself to become a global digitalized and intellectualized transmission device supplier.



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1. 产品图片 Product pictures



2. 产品说明 Product Introduction

赛勒系列齿轮减速机是具有国际先进水平的传动产品，包括BR系列斜齿轮减速机、BF系列平行轴—斜齿轮减速机、BK系列斜齿轮—伞齿轮减速机、BS系列斜齿轮—蜗轮蜗杆减速机、H系列平行轴标准齿轮箱、B系列直交轴标准齿轮箱。

赛勒系列产品遵循模块化、最优化设计理念，运用有限元分析技术，采用独特的低噪音齿轮齿形设计，确保设计的先进性；传动比分级精细，具备数百万种不同的组合，可满足用户各种不同需求；从选料到制造单元加工，实现产品的高精度、免维护。

我公司还备有双联型减速机（输入端加装一个斜齿轮减速机）、锁紧盘、花键空心轴、B14法兰等多种组合方式供客户选择，详情请向我公司咨询。

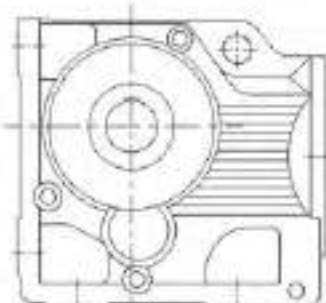
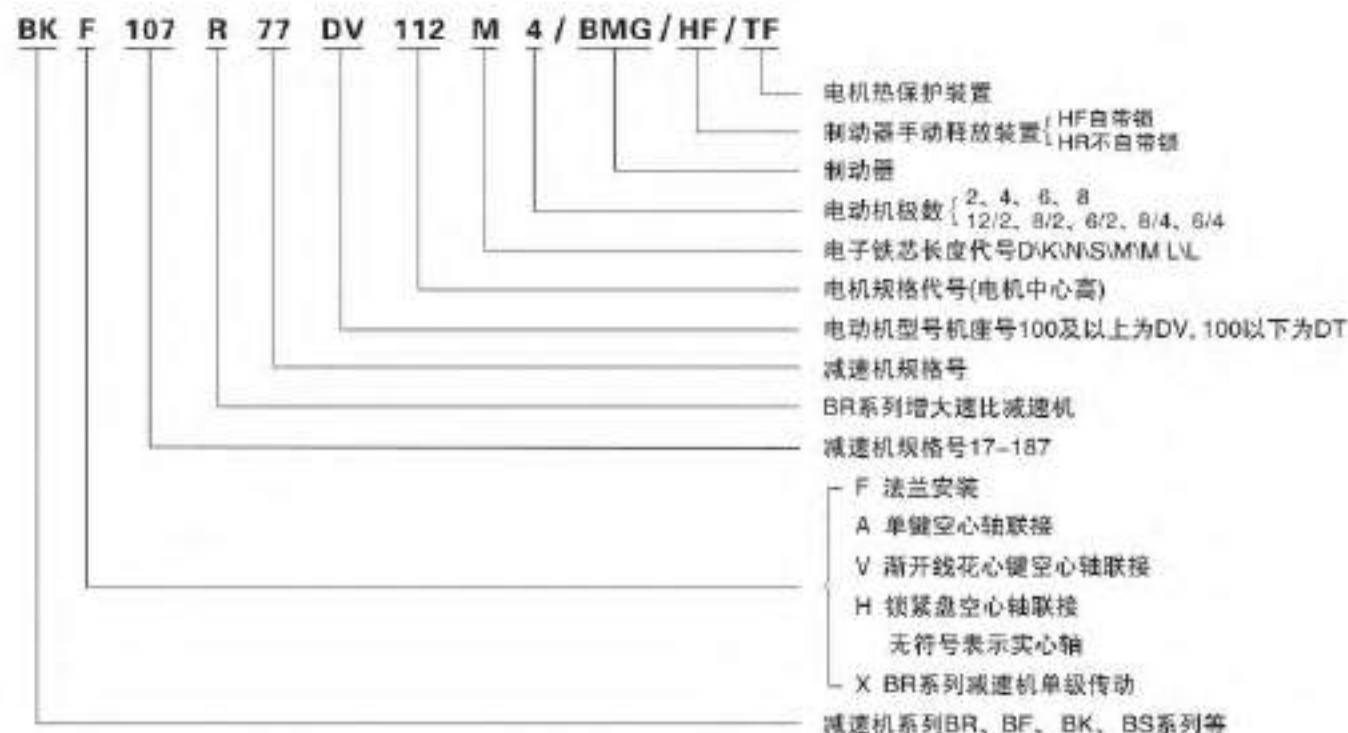
SAILE series gear Motor is drive products with international advanced level, including BR series Helical geared motor, BF series Parallel Shaft-Helical Geared Motor, BK series Helical-Bevel Geared Motor, BS series Helical-Worm Geared Motor, H series Helical Gear Units, B series Bevel-Helical Gear Units.

SAILE series products follow Motor the philosophy of modularization and optimization, adopt finite element analysis method and unique lower noise technology in designing gear, to insure advanced design. The classification of ratio is so accurate that.

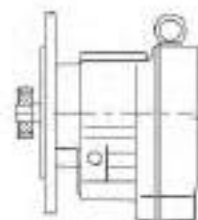
Our corporation also provides other product options such as combined geared motor, shrink disk, spline hollow shaft, B14 flange, please consult our company for further information.

3. 型号说明 Model notes

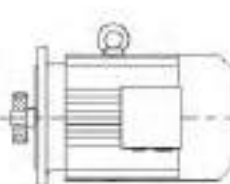
3.1 减速电机符号说明 3.1 Reducer Model Introduction



BK107



BR77



DV112M4/TF

3.2 减速电机和减速制动电机供货型号 3.2 Type of gear motor and gear motor with brake

BR、BF、BK、BS
减速电机 Gear motor

下表列出了可提供的斜齿轮(BR)、平行轴(BF)、斜齿轮-伞齿轮(BK)和斜齿轮-蜗轮蜗杆(BS)减速电机型号。

There are the types of Helical (BR), Parallel shaft-Helical (BF), Helical-Bevel (BK) and Helical-Worm (BS) geared motors, we supplied in the table.

型号 Model	减速电机 Gear motor			
	斜齿轮 (BR) Helical	平行轴 (BF) Parallel shaft	斜齿轮-伞齿轮 (BK) Helical bevel	斜齿轮-蜗轮蜗杆 (BS) Helical worm
底脚安装 Foot mounted	•	•	•	•
B5法兰安装 B5 flange mounted	•	•	•	•
底脚/B5法兰安装 Foot/B5 flange mounted	• 2)	•	• 3)	-
带键空心轴安装 Hollow shaft mounted	-	•	• 1)	• 1)
带锁紧盘空心轴安装 Hollow shaft with shrink disk	-	•	• 1)	• 1)
带花键空心轴安装 Spined hollow shaft mounted	-	•	• 1)	-
带锁紧盘空心轴安装+底脚安装 Hollow shaft with shrink disk+foot mounted	-	•	•	-
带键空心轴安装+底脚安装 Hollow shaft with Key+foot mounted	-	•	•	-
带花键空心轴安装+底脚安装 Spined hollow shaft mounted+foot mounted	-	•	•	-
带键空心轴安装+B5法兰安装 Hollow shaft with Key+B5 flange mounted	-	•	•	•
带锁紧盘空心轴安装+B5法兰安装 Hollow shaft with shrink disk+B5 flange mounted	-	•	•	•
带花键空心轴安装+B5法兰安装 Spined hollow shaft mounted+B5 flange mounted	-	•	•	-
带键空心轴安装+B14法兰安装 Hollow shaft with Key+B14 flange mounted	-	•	•	•
带锁紧盘空心轴安装+B14法兰安装 Hollow shaft with shrink disk+B14 flange mounted	-	•	•	•
带花键空心轴安装+B14法兰安装 Spined hollow shaft mounted+B14 flange mounted	-	•	•	-

• 适用于标准型号

- 不可用

1) 也可带力矩臂

2) 仅用于BR17-BR87

3) 仅用于BK127-BK157

• The normal type

- Can't use

1) You can use torque arm

2) Only used for BR12-BR87

3) Only used for BK127-BK157

多级减速电机 Multi-stage geared motor

通过多级减速器或多级减速电机,可获得特别低的输出转速。就是在输入端安装一个斜齿轮减速机或减速电机作为第二级齿轮箱。此时,要注意根据减速机最大许用的输出扭矩,限制电机功率。

You can achieve the particularly low output speed by using multi-stage geared motor. The method is mounting a helical gear unit as a second gear units on the input end. Notice that restrict the motor power according the maximum permitted output torque.

搅拌专用减速电机 BRM geared motor

BRM减速电机作为斜齿轮减速电机的特殊规格,它带有一个加长的轴承箱,专为搅拌应用场合设计的,它可应用于承受大的径向力和轴向力甚至弯矩的场合,其它数据和斜齿轮减速电机相一致。

BRM geared motors are a special type of helical geared motor with an expanded output bearing hub. They are specially designed for agitating applications and can be used in applications subject to high overhung and axial loads as well as flexural torque. The remaining data correspond with to the standard helical geared motors.

制动电机 Brake motors

根据需要可把机械制动与电机及减速电机合成一体提供。制动器是由带直流线圈的电磁盘式制动器，通过电磁力打开，弹簧力制动。它的制动原理意味着断电制动。满足了基本安全需要。制动器如果安装手动释放，可实现机械式释放。手动释放有手柄或平头螺丝两种形式，手柄可自动弹回，平头螺丝可锁在释放位置。制动器通过装在电机接线盒或电气柜的制动控制系统来驱动。

On request, Motors and geared motors can be supplied with an integrated mechanical brake. The brake is an electromagnetic disk brake with a DC coil which is released electrically and braked using spring force. The design principle means the brake is applied if the power fails. This means it complies with fundamental safety requirements. The brake can also be released mechanically if fitted with manual brake release. For this purpose, either a hand lever or a setscrew is supplied with the brake. The hand lever springs back automatically and the setscrew can be locked. The brake is activated by a brake control system which is in the wiring switch cabinet.

3.3 减速器及附件的名称

3.3 Unit designations for gear units and options

斜齿轮减速器 Helical gear units

BR..	底脚安装 Foot-mounted
BRF..	法兰安装 Flange-mounted
BR..F	底脚-法兰安装 Foot and flange-mounted
BRM..	带加长轴承座，法兰安装 Flange-mounted with the extended bearing housing
BRX..	单级底脚安装 Single-stage flange-mounted
BRXF..	单级法兰安装 Single-stage foot-mounted

平行轴减速器 Parallel shaft helical gear units

BF..	底脚安装 Foot mounted
BFA..B	底脚安装，空心轴 Flange mounted with hollow shaft
BFH..B	底脚安装，带锁紧盘空心轴 Foot mounted with hollow shaft and shrink disk
BFV..B	底脚安装，带花键空心轴 Foot mounted with hollow shaft and splined hollow shaft
BFF..	B5法兰安装 B5 flange mounted
BFAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
BFHF..	B5法兰安装，带锁紧盘空心轴 B5 flange mounted with hollow shaft and shrink disk
BFVF..	B5法兰安装，带花键空心轴 B5 flange mounted with splined hollow shaft disk
BFA..	空心轴安装 Hollow shaft mounted
BFH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk

BFV..	带花键空心轴安装 Splined hollow shaft mounted
BFAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
BFHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk
BFVZ..	B14法兰安装，带花键空心轴 B14 flange mounted with splined hollow shaft

斜齿轮-伞齿轮减速器 Helical-Bevel gear units

BK..	底脚安装 Foot mounted
BKA..B	底脚安装，空心轴 Foot mounted with hollow shaft
BKH..B	底脚安装，带锁紧盘空心轴 Foot mounted with hollow shaft and shrink disk
BKV..B	底脚安装，带花键空心轴 Foot mounted with hollow shaft and splined hollow shaft
BKF..	B5法兰安装 B5 flange mounted
BKAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
BKHF..	B5法兰安装，带锁紧盘空心轴 B5 flange mounted with hollow shaft and shrink disk
BKVF..	B5法兰安装，带花键空心轴 B5 flange mounted with splined hollow shaft disk
BKA..	空心轴安装 Hollow shaft mounted
BKH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
BKV..	带花键空心轴安装 Splined hollow shaft mounted
BKAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
BKHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk
BKVZ..	B14法兰安装，带花键空心轴 B14 flange mounted with splined hollow shaft

斜齿轮-蜗轮蜗杆减速器 Helical-Worm gear units

BS..	底脚安装 Foot mounted
BSF..	B5法兰安装 B5 flange mounted
BSAF..	B5法兰安装，空心轴 B5 flange mounted with hollow shaft
BSHF..	B5法兰安装，带锁紧盘空心轴 B5 flange mounted with hollow shaft and shrink disk
BSA..	空心轴安装 Hollow shaft mounted
BSH..	带锁紧盘空心轴安装 Hollow shaft with shrink disk
BSAZ..	B14法兰安装，空心轴 B14 flange mounted with hollow shaft
BSHZ..	B14法兰安装，带锁紧盘空心轴 B14 flange mounted with hollow shaft disk

3.4 交流电机及附件名称

3.4 The name of AC motors and its accessories

双速交流电机型号

Pole-Changing AC motors with soft start

SD...	双速电机底座安装 Pole-changing foot mounted
-------	--

电机选型

Motor options

BMG	制动器 Brake
../HF	手动释放 (锁在制动释放位置) ..with lock manual brake release
../HR	手动释放 (自动返回制动位置) ..with automatic manual brake disengaging
/RS	逆止器 Backstop
/TF	热敏电阻保护装置 (PTC热敏电阻) Thermistor sensor (PTC resistance)
/TH	恒温器保护装置 (双金属片开关) Thermostat (bimetallic switch)
/U	机身冷却 (无通风) Non-ventilated
/V	强制冷却风扇 3 × 380-415V _{ac} , 50HZ Forced cooling fan 3 × 380-415V _{ac} , 50HZ
/VS	强制冷却风扇 1 × 220-266V _{ac} , 50HZ Forced cooling fan 1 × 220-266V _{ac} , 50HZ
/VR	强制冷却风扇 1 × 24V _{ac} Forced cooling fan 1 × 24V _{ac}
/Z	高惯量飞轮风扇 Additional flywheel mass
/C	风扇保护罩 Protection cowl for the fan guard
-SRD	辊道电机 Roller motor

编码器附件

Encoder on AC motor options

/AV1Y	绝对值编码器, MSI和sin/cos信号, 24V _{dc} 电源 Absolute encoder with solid shaft. MSI and sin/cos signals and 24V _{dc} supply
/ES..T	扩展轴编码器, TTL (RS-422) 信号, 5V _{dc} 电源 Encoder with spread shaft. TTL (RS-422) Signals and 5V _{dc} supply
/ES..S	扩展轴编码器, sin/cos信号, 24V _{dc} 电源 Encoder with spread shaft. Sin/cos signals and 24V _{dc} supply
/ES..R	扩展轴编码器, TTL (RS-422) 信号, 24V _{dc} 电源 Encoder with spread shaft. TTL (RS-422) signals and 24V _{dc} supply
/ES..C	扩展轴编码器, HTL Encoder with spread shaft. HTL
/EV1T	实心轴编码器, TTL (RS-422) 信号, 5V _{dc} 电源 Encoder with spread shaft. TTL (RS-422) signals and 5V _{dc} supply
/EV1S	实心轴编码器, sin/cos信号, 24V _{dc} 电源 Encoder with spread shaft. sin/cos signals and 24V _{dc} supply
/EV1R	实心轴编码器, TTL (RS-422) 信号, 24V _{dc} 电源 Encoder with spread shaft. TTL (RS-422) signals and 24V _{dc} supply
/EV1C	实心轴编码器, HTL Encoder with spread shaft. HTL
/NV1..	接近开关, 带A通道, 24V _{dc} 电源 Proximity sensor with A track and 24V _{dc} supply
/NV2..	接近开关, 带A、B通道, 24V _{dc} 电源 Proximity sensor with A/B track and 24V _{dc} supply

4. 减速器选型

Selection of gear reducer

4.1 传动装置选型数据

4.1 Drive selection data

准确地确定所需传动装置, 下表所列的数据是必需的:

Certain data are essential to specify the components for your drive. These are.

传动装置选型数据 Drive selection data			
n_{min}	最小输出转速 Minimum output speed	[rpm]	
n_{max}	最大输出转速 Maximum output speed	[rpm]	
$P_{at n_{min}}$	最低输出转速下的输出功率 Output power at minimum output speed	[kW]	
$P_{at n_{max}}$	最高输出转速下的输出功率 Output power at maximum output speed	[kW]	
$M_{at n_{min}}$	最低输出转速下的输出扭矩 Output torque at minimum output speed	[Nm]	
$M_{at n_{max}}$	最高输出转速下的输出扭矩 Output torque at maximum output speed	[Nm]	
F_s	输出轴径向力。假设载荷作用在轴伸的中点, 如果不一致, 请确定径向力准确的作用点、作用角度和轴的旋转方向以便进行校核计算。 Overhung load on output shaft. Assumes force application is in the center of shaft end. If not, please specify the exact application point indicating the application angle and direction of rotation of the shaft for a check calculation	[N]	
F_a	输出轴轴向负载 (拉力和压力) Axial load (tension and compression) on output shaft	[N]	
J_{tot}	被驱动件的转动惯量 Mass moment of inertia to be driven	[10 ³ kgm ²]	
BR/F/K/S M1-M6	所需减速机类型和安装位置 Required gear unit type and mounting position (→ sec. Mounting positions, churning losses)	-	
IP..	外壳防护等级 Required protect rank	-	
S_{amb}	环境温度 Ambient temperature	[°C]	
H	海拔高度 Altitude	[M above sea level]	
$S_{...} \% cdf$	工作制和负载持续率 cdf; 也可给出精确的负载周期图 Operating mode and intermittency factor cdf; alternatively, exact load cycle can be specified.	-	
Z	启动频率; 也可给出精确的负载周期图 Starting frequency; alternatively, exact load cycle can be specified	[No. per h]	
f_{supply}	电源频率 Supply frequency	[Hz]	
$V_{...}$ V_{brake}	电机工作电压和制动器电压 Operating voltage of motor and brake	[V]	
M_b	所需制动力矩 Required braking torque	[Nm]	
对于变频器运行: 控制模式和设置范围 For inverter operation: Required control mode and setting range			

4.2 选型流程图

4.2 Project planning sequence

例
Example

带有位置要求驱动方案的流程图，所涉及的减速电机由变频器控制
The following flowchart displays a schematic view of the procedure for planning a project incorporating a positioning drive. The drive comprises a gear motor which is powered by an inverter.



图：选型应用流程图 Figure: Project planning process

4.3 减速机的效率

4.3 Efficiency of gear units

减速机的效率主要由齿轮啮合和轴承摩擦损失所决定的。
减速机运行初期的效率总是比正常运行时要低，尤其是斜齿轮蜗轮蜗杆和螺旋平面减速机更为明显。

The efficiency of the gear units is mainly determined by the gearing, mesh and bearing friction. Please note that the starting efficiency of a gear unit is always less than its efficiency at operating speed. This fact is especially obvious in helical-worm and right-angle geared motors.

BR, BF, BK减速机

BR, BF, BK gear units

斜齿轮、平行轴、斜齿轮-锥齿轮减速机的效率是根据减速级数确定，在94%(3级)~98%(1级)之间。

The efficiency of helical, parallel shaft and helical-bevel gear units varies according to the number of gear stages, between 94%(3-stage) and 98%(1-stage).

BS减速机

BS gear units

斜齿轮蜗杆减速机由于产生高损失的滑动摩擦，所以它们比BR、BF、BK减速机损失大、效率低，主要是由以下因素决定：

- 斜齿轮蜗杆级的传动比
- 输入转速
- 齿轮箱温度

SAILE设计的斜齿轮蜗杆减速机比单级的蜗轮蜗杆减速机的效率有明显的提高，对于很大速比的斜齿轮蜗杆蜗杆才有可能其效率 $\eta < 0.5$ 。

The gearing in helical-worm and gear units produces a high proportion of sliding friction. As a result, these gear units may have higher gearing losses than BR, BF or BK gear units, and thus be less efficient. The cause of factors are:

- Gear ratio of the helical-worm
- Input speed
- Gear unit temperature

SAILE gear units are designed as helical worm which makes them significantly more efficient than standard worm gear units. The efficiency may reach $\eta < 0.5$ if the helical-worm stage has a very high ratio step.

自锁条件

Self-locking condition

在斜齿轮-蜗轮蜗杆上加反向力矩会产生一个反向效率 $\eta' = 2 - 1/\eta$ ，其值明显小于正向效率 η ，如果正向效率 $\eta \leq 0.5$ ，那么斜齿轮蜗轮蜗杆减速机就会自锁。仅有少量大速比的斜齿轮蜗轮蜗杆减速机静态自锁。如果想利用自锁的制动效果特点请向我公司咨询。

Retrodriving torques on helical-worm gear units produce an efficiency of $\eta' = 2 - 1/\eta$, which is significantly less favorable than the forwards efficiency η . The helical-worm or Spiroplan gear unit is self-locking if the forwards efficiency $\eta \leq 0.5$. A few helical-worm gear units with the largest gear ratio are statically self-locking. Please contact company if you wish to make technical use of the braking effect of self-locking characteristics.

运行初始阶段

Running-inphase

由于新的斜齿轮蜗杆减速机齿面不够光滑、摩擦角较大，所以效率较正常运行时变小，这种影响在大传动比时变得更加明显。

The tooth flanks of new helical-worm and gear units are not yet completely smooth. For the friction angle is greater, the efficiency will be less than operation. This effect becomes more apparent in the greater ratio.

在最初试阶段，所给定的效率值应减去表中数值：

In The first beginning, the given efficiency number should minus as follows

	Helical-worm	速比的范围 i range
1start (单头蜗杆)	approx. 12%	approx. 50-280
2start (双头蜗杆)	approx. 6%	approx. 20-75
3start (三头蜗杆)	approx. 3%	approx. 20-90
4start (四头蜗杆)	-	-
5start (五头蜗杆)	approx. 3%	approx. 6-25
6start (六头蜗杆)	approx. 2%	approx. 7-25

经过连续24小时运行，斜齿蜗轮蜗杆满足以下条件可以达到给出的额定效率：

- 减速机经过充分的试运行
- 减速机达到正常运行温度值
- 加入推荐的润滑剂

减速机的额定负载范围内工作

The running-in phase normally lasts 24 hours. Helical-worm gear units achieve their listed rated efficiency values when:

- The gear unit has been run is completely
- The gear unit has reached normal operation temperature
- The recommended lubricant has been filled in

The gear unit is working within the rated load range

搅动损失

Churning losses

在某些安装位置，第一级小齿轮完全浸在油中，对于大机座号减速机和有较高输入转速的减速机，搅动损失会急剧上升，不能忽视，因此，当遇到此情况请向我公司咨询。

如果可能，对于BR、BK和BS系列减速机尽量使用M1安装位置以确保较小的搅动损失。

In certain gear unit mounting positions the first reduction stage is completely immersed in the lubricant. For large gear unit sizes and high circumferential velocities of the input stage, this gives rise to churning losses constituting a factor which cannot be ignored. Please contact company if you wish to use gear units of this type. If possible, use the mounting position M1 for BR, BK and BS gear units in order to keep the churning losses in low.

4.4 使用系数

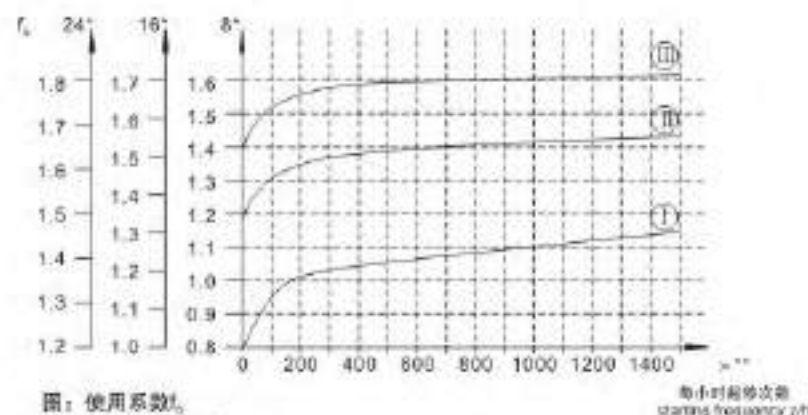
4.4 Service factor

决定使用系数的因素

Determining of the service factor

选用减速机要考虑一定的使用系数用 f_s 表示，使用系数 f_s 由每天的运行时间和起停频率所决定。根据惯量加速系数确定的三种负载类型也要考虑，可以从图3中读取驱动方案的使用系数，从图中确定的使用系数一定要小于或等于从选型表中给定的使用系数。

Gear unit selection needs to consider a certain factor which we use f_s to express. The service factor is determined by the daily operating time and the starting frequency. Three load classifications are also considered to depend on the mass acceleration factor. You can read the different service factor from the figure as follows. The service factor determined using this diagram must be small than or equal to the service factor as given in the selection tables.



图：使用系数
Fig: service factor f_s

*运行小时/天

**起停次数，包括所在的起停和制动过程，所括从低到高，从高到低变换过程。

Daily operating time in hours/day

Starting frequency Z: The cycles include all starting and and braking procedures as well as changes from low to high and high to low speed.

负载类型

Load classification

三种负载类型：

- 均匀载荷，允许的惯性加速系数 ≤ 0.2
- 中等冲击载荷，允许的惯性加速系数 ≤ 0.3
- 强冲击载荷，允许的惯性加速系数 ≤ 10

Three load classifications are differentiated:

- Uniform, approved mass acceleration factor ≤ 0.2
- Moderate shock load, approved mass acceleration factor ≤ 3
- Severe shock load, approved mass acceleration factor ≤ 10

惯性加速系数

Mass acceleration factor

惯性加速系数的计算方式：

The mass acceleration factor is calculated as follows:

$$\text{惯性加速系数} = \frac{\text{所有的外部转动惯量}}{\text{电动机的转动}}$$

$$\text{Mass acceleration factor} = \frac{\text{All external mass moments of inertia}}{\text{Mass moment of inertia on the motor end}}$$

所有的外部转动惯量是指被驱动装置加上减速机相对于电机转速的转动惯量，

折算公式如下： $J_s = J + \left(\frac{n}{n_m}\right)^2 J_m$

"All external mass moments of inertia" are the mass moments of inertia of the driven machine and the gear unit, scaled down to the motor speed. The calculation for scaling down to the motor speed performed using the following formula: $J_s = J + \left(\frac{n}{n_m}\right)^2 J_m$

J_s =相对于电机轴的外部转动惯量

J_s =Reduced mass moment of inertia on the motor shaft

J =相对于减速机输出轴的外部转动惯量

J =Mass moment of inertia referenced to the output speed of the gear unit

N =减速机的输出转速

N =Output speed of the gear unit

N_m =电机转速

N_m =Motor speed

电机的转动惯量是指电机转动惯量，若配有制动器和高惯量飞轮（Z风扇）则要相应增加所配部件的转动惯量。

惯性加速系数大于10，要求传动部件高平稳性及大的径向负载时使用系数 f_s 就大于1.8，此类情况请向我公司咨询。

"Mass moment of inertia on the motor" if it equips the brake and the flywheel fan (Z fan), the components' mass moment of inertia or large overhung loads. Please contact company in this case.

使用系数 f_s

确定最大持续运行扭矩 M_{max} 和由此推导出的使用系统 $f_s = M_{max}/M_n$ 是不标准的，并且不同的制造商之间有很大不同。

使用系数 $f_s=1$ 是，驱动设备在疲劳强度范围内能提供相当高的工作安全性和可靠性（除斜齿轮蜗轮蜗杆减速机的蜗轮之外）。在一定条件下，使用系数不必和其它减速机制造商所给出的进行比较。若有疑问，请和我公司联系索取针对特殊驱动设备详细资料。

Service factor: f_s

The method for determining the maximum approved continuous torque M_{max} and then deriving the service factor $f_s = M_{max}/M_n$ is not defined in a standard and varies greatly from manufacturer to manufacturer. With their service factor $f_s=1$, drives afford an extremely high level of safety and reliability in the fatigue strength range (exception: wearing of the worm wheel in helical-Worm gear units). Under a certain circumstances, the service factor may not be comparable to the information given details for your specific drive. If there is any questions, please contact company to get the special drive equipments' document in detail.

举例

Example

惯性加速系数2.5(II类载荷), 运行时间14小时/天(按16小时/天查图)和300次起停/小时, 使用系数在图中为 $f_s=1.51$ 。根据选型表所选择的减速机 f_s 值应 ≥ 1.51 。
Mass acceleration factor 2.5(load classification II), 14 hours/day operating time(check the figure at 16h/d) and 300 cycles/hour produce a service factor $f_s=1.51$ as shown in Fig.2. According to the selection table, the selected motor must have an f_s Value of 1.15 or greater.

斜齿轮蜗杆减速机

Helical-worm gear units

在斜齿轮蜗杆减速机中, 除了已有图3中的使用系数 f_s 外还有两个使用系数 f_{at} 、 f_{ad} 要考虑

- f_{at} =环境温度使用系统
- f_{ad} =负载持续系数

Two further service factors have to be taken into account with helical-worm gear units in addition to the selection factor f_s shown in Fig.2. These are:

- f_{at} =Service factor from the ambient temperature
- f_{ad} =Service factor from the cyclic duration factor

附加的使用系数 f_{at} 、 f_{ad} 可通过图确定, 确定 f_{at} 时用和确定 f_s 同样的方法考虑负载类型。

Additional service factors f_{at} and f_{ad} can be determined by diagrams as Fig.4. For the f_{at} factor, we can define it just in the same way as f_s .

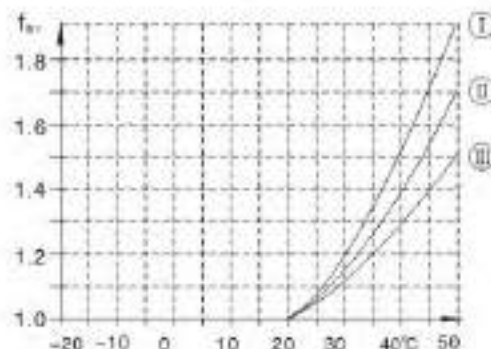
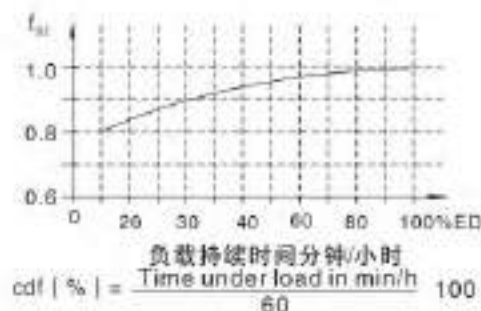


图: 附加使用系数 f_{at} 和 f_{ad}

Additional service factors f_{at} and f_{ad}



确定 f_{ad} 时, 环境温度低于 -20°C 请向我公司咨询。

Please contact company case of temperatures below -20°C ($-f_{at}$).

斜齿轮蜗杆减速机总的使用系数 f_{tot} 按下式计算

The total service factor for helical-worm gear units is calculated as follows: $F_{tot} = f_s \cdot f_{at} \cdot f_{ad}$

举例

Example

若前一个例子使用系统 $f_s=1.51$ 的减速机是斜齿轮蜗杆减速机,

If the geared motor with the service factor $f_s=1.51$ in the previous example is a helical-worm geared motor.

环境温度 $t_a=40^\circ\text{C}$ $\rightarrow f_{at}=1.38$ (负载类型 II)

Ambient temperature $t_a=40^\circ\text{C}$ $\rightarrow f_{at}=1.38$ (read off at load classification II)

负载工作时间 40 分钟/小时 $\text{cdf}=66.7\%$ $\rightarrow f_{ad}=0.95$

Time under load = 40 min/h $\rightarrow \text{cdf}=66.7\%$ $\rightarrow f_{ad}=0.95$

The total service factor is $F_{tot}=1.51 \cdot 1.38 \cdot 0.95=1.98$

根据选型表, 所选的斜齿轮蜗杆减速机 f_s 则应 ≥ 1.98 。

According to the selection tables, the selected helical-worm geared motor must have a f_s value of 1.98 or greater.

4.5 径向和轴向负载

4.5 Overhung and axial loads

径向负载

Determining overhung load

确定径向负载时, 要考虑安装在轴端传动部件的影响, 传动部件系数 f_t 列于下表:

When determining the overhung load, the type of transmission element mounted on the shaft end must be considered. The transmission element factors f_t are listed as follows:

传动部件 Transmission element	传动部件系数 f_t Transmission element factor f_t	备注 Comments
齿轮 Gears	1.15	< 17齿 < 17teeth
链轮 Chain sprockets	1.40	< 13齿 < 13teeth
链轮 Chain sprockets	1.25	< 20齿 < 20teeth
窄V型带 Narrow V-belt pulleys	1.75	预应力影响 Pre-tensioning influence
宽平皮带 Flat belt pulleys	2.50	预应力影响 Pre-tensioning influence
齿型皮带 Toothed belt pulleys	2.5	预应力影响 Pre-tensioning influence

作用在电机或减速机轴上的径向力按下式计算:

The overhung load exerted on the motor or gear shaft is calculated as follows:

$$F_R = \frac{M_n \cdot 2000}{d_t} \cdot f_t$$

F_R 径向载荷(N)

M_n 力矩(N·m)

d_t 节圆直径(mm)

f_t 传动部件系数

F_R Overhung load in N

M_n Torque in N·m

d_t Mean diameter of the mounted transmission element in mm

f_t Transmission element factor

许用的径向载荷

Permitted overhung load

根据耐磨轴承额定寿命 L_{10h} 来确定许用径向载荷。

对于特殊的运行条件, 许用径向载荷根据所要求的修正寿命 L_{10h} 来确定。

对于地脚安装实心轴输出的减速机许用径向载荷列于减速机选型表中。对于其他安装形式可向我公司联系。

According the rate service life L_{10h} of the anti-friction bearings to define the permitted overhung loads. For the special operating conditions, the permitted overhung loads can be determined by the modified service life L_{10h} .

The permitted overhung loads F_{Rn} for the output shafts of foot-mounted gear units with a solid shaft are listed in the selection tables for geared motors. Please contact company in case of other types.

选型表中的径向力数值按照力作用于轴伸的中点(斜齿轮-伞齿轮减速机按照A端输出轴考虑)。径向力作用角度 α 和旋转方向已经按最不利的条件给予考虑。

The data refer to the radial force acting midway on the shaft end (with right-angle gear units on the A-side output). Worst case conditions have been assumed for the force application angle α and the direction of rotation.

对于BK和BS系列减速机，M1安装位置前面与安装固定面连接时，许用径向载荷只是选型表中 F_{r0} 数值的50%。

对于BK167和BK187减速机在安装位置M1-M4时；若安装与其安装位置示例有所区别情况下，其许用径向载荷最大只为选型表中 F_{r0} 的50%。

地脚/法兰安装斜齿轮减速机 (BR..F)：当通过法兰安装传递力矩时，许用径向载荷最大为选型表中 F_{r0} 的50%。

Only 50% of the F_{r0} Value specified in the selection tables permitted in mounting position M1 with wall attachment on the front face for BK and BS gear units.

Helical-bevel geared motors BK167 and BK187 in mounting positions M1 to M4: If the mounting position is different the position we offered (M1-M4), the overhung load F_{r0} lasted in the selection tables.

Foot and flange-mounted helical geared motors (BR..F): A maximum of 50% of the overhung load F_{r0} specified in the selection tables in the case of torque transmission via the flange mounting, when the torque transmission via the flange mounting the overhung load F_{r0} will only be 50% compared with the F_{r0} lasted the selection tables.

更高的许用径向载荷

Higher approved overhung loads

对于BR、BF和BK系列减速机，安装重载轴承可提高许用径向载荷。另外，精确考虑旋转方向和力作用角 α ，也可提高许用径向载荷，在此情况下，请和我公司联系。

It possible to achieve a higher overhung load by exactly considering the force application angle α and the direction of rotation. In addition, bigger output shaft loads are permitted if heavy duty bearings are installed, especially with BR, BF and BK gear units. Please contact company in this case.

所受力的定义

Definition of force application

所受力根据下图来定义

Force application is defined according to the following diagram:

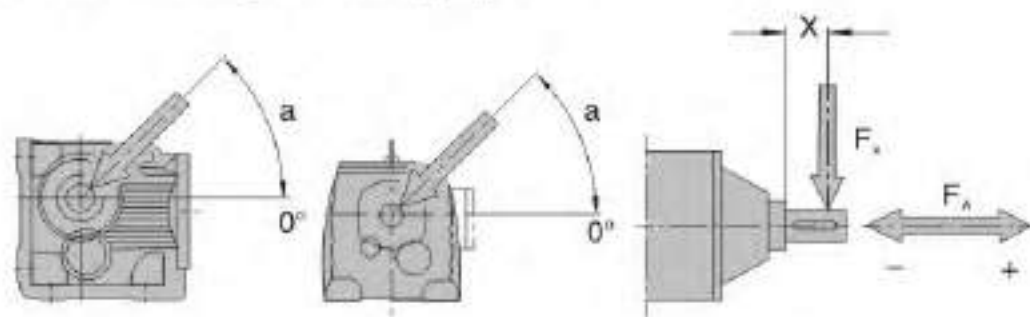


图: 受力定义
Fig: Defined of force application

F_{r0} = 在X点的许用径向载荷 (N)

F_{a0} = 许用轴向载荷 (N)

F_{rx} = Approved overhung load at point X [N]

F_{ax} = Approved axial load [N]

许用轴向载荷

Approved axial loads

如果没有径向载荷，那么轴向载荷 F_A (+表示拉力，-表示压紧力) 依据表中径向负荷的50%给定是允许的，这适用于：
If there is no overhung load, then an axial load F_A (tension or compression) amount to 50% of the overhung load given in the selection tables is approved. This applies to the following geared motors:

- 斜齿轮减速机 (BR..137到167除外)
- 平行轴斜齿轮减速机与斜齿轮-伞齿轮 (实心轴) 减速机 (BF97.. 除外)
- 实心轴斜齿轮蜗轮蜗杆减速机

- Helical geared motors except for BR.. to BR.. 167..
- Parallel shaft and helical-bevel geared motors with solid shaft except for BF97..
- Helical-worm geared motors with solid shaft

对于其它类型的减速机请与公司咨询，以防过大的轴向载荷或轴向及径向的合成力。

Please contact company for all other types of gear units and in the event of significantly greater axial loads or combinations of overhung load and axial load.

偏离中心点的径向力

Overhung load conversion for off-center force application

对于受力点不在轴端中点的允许径向载荷要根据下面的公式计算。 F_{r0} 和 F_{rx} 中的较小值是在X点允许数值，所计算的数值应用于 M_{max} 。

The approved overhung loads given in the selection tables must be calculated using the following formulae in the event of force application not in the center of the shaft end. The smaller of the two value F_{r0} (according to bearing service life) and F_{rx} (according to shaft strength) is the approved value for the overhung load at point x. Note that the calculation apply to M_{max} .

根据轴承寿命 F_{r0}

F_{rx} acc.to bearing service life

$$F_{rx} = F_{r0} \cdot \frac{a}{b+x} \text{ [N]}$$

根据输出轴强度 F_{rx}

F_{rx} from the shaft strength

$$F_{rx} = \frac{c}{l+x} \text{ [N]}$$

F_{r0} = 对于底脚安装齿轮箱的允许径向载荷 (选型表中所列值) 单位: N

Approved overhung load ($x=1/2$) for foot-mounted gear units according to the selection tables in [N]

X = 从轴肩到受力点的距离

Distance from the shaft shoulder to the force application point in [mm]

a, b, f = 对于径向负荷转化的齿轮箱常量

Gear unit constants for overhung load conversion [mm]

c = 对于径向负荷转化的齿轮箱常量

Gear unit constant for overhung load conversion [Nmm]

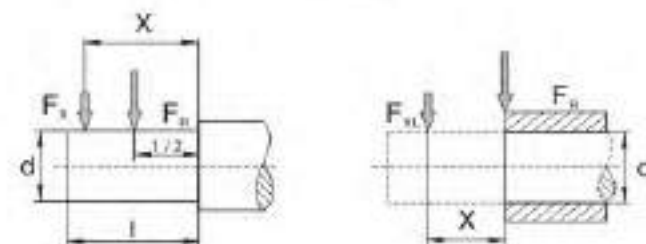


图: 偏离中心点的径向力 F_r
Fig: Overhung load F_r for off-center force application

据径向负载/转化所得的/减速机常量
Gear unit constants for overhung load conversion

减速机常量 Gear unit type	a [mm]	b [mm]	c [Nmm]	f [mm]	d [mm]	l [mm]
BR17	88.5	68.5	6.527×10^4	17	20	40
BR27	106.5	81.5	1.56×10^5	11.8	25	50
BR37	118	93	1.24×10^5	0	25	50
BR47	137	107	2.44×10^5	15	20	60
BR57	147.5	112.5	3.77×10^5	18	35	70
BR67	168.5	133.5	2.51×10^5	0	35	70
BR77	173.7	133.7	3.97×10^5	0	40	80
BR87	216.7	166.7	8.47×10^5	0	50	100
BR97	255.5	195.5	1.19×10^6	0	60	120
BR107	285.5	215.5	2.06×10^6	0	70	140
BR137	343.5	258.5	6.14×10^6	30	90	170
BR147	402	297	8.65×10^6	33	110	210
BR167	450	345	1.26×10^7	0	120	210
BRX57	43.5	23.5	1.51×10^5	34.2	20	40
BRX67	52.5	27.5	2.42×10^5	39.7	25	50
BRX77	60.5	30.5	1.95×10^5	0	30	60
BRX87	73.5	33.5	7.69×10^5	48.9	40	80
BRX97	86.5	36.5	1.43×10^6	53.9	50	100
BRX107	102.5	42.5	2.47×10^6	62.3	60	120
BF37	123.5	98.5	1.07×10^5	0	25	50
BF47	153.5	123.5	1.78×10^5	0	30	60
BF57	170.7	135.7	5.49×10^5	32	35	70
BF67	181.3	141.3	4.12×10^5	0	40	80
BF77	215.8	165.8	7.87×10^5	0	50	100
BF87	263	203	1.19×10^6	0	60	120
BF97	350	280	2.09×10^6	0	70	140
BF107	373.5	288.5	4.23×10^6	0	90	170
BF127	442.5	337.5	9.49×10^6	0	110	210
BF157	512	407	1.05×10^7	0	120	210
BK37	123.5	98.5	1.41×10^5	0	25	50
BK47	153.5	123.5	1.78×10^5	0	30	60
BK57	168.7	134.7	6.8×10^5	31	35	70
BK67	181.3	141.3	4.12×10^5	0	40	80
BK77	215.8	165.8	7.69×10^5	0	50	100
BK87	252	192	1.64×10^6	0	60	120
BK97	319	249	2.8×10^6	0	70	140
BK107	373.5	288.5	5.53×10^6	0	90	170
BK127	443.5	338.5	8.31×10^6	0	110	210
BK157	509	404	1.18×10^7	0	120	210
BK167	621.5	496.5	1.88×10^7	0	160	250
BK187	720.5	560.5	3.04×10^7	0	190	320
BS37	118.5	98.5	6.0×10^4	0	20	40
BS47	130	105	1.33×10^5	0	25	50
BS57	150	120	2.14×10^5	0	30	60
BS67	184	149	3.04×10^5	0	35	70
BS77	224	179	5.26×10^5	0	45	90
BS87	281.5	221.5	1.68×10^6	0	60	120
BS97	326.3	256.3	2.54×10^6	0	70	140

对于没有列出的类型的值需要给定。
Values for types not listed are available on request.

4.6 BRM减速机

选型

当选用带加长轴承箱的BRM系列减速机时,要考虑较高的径向和轴向负载,请按照下列步骤计算选型

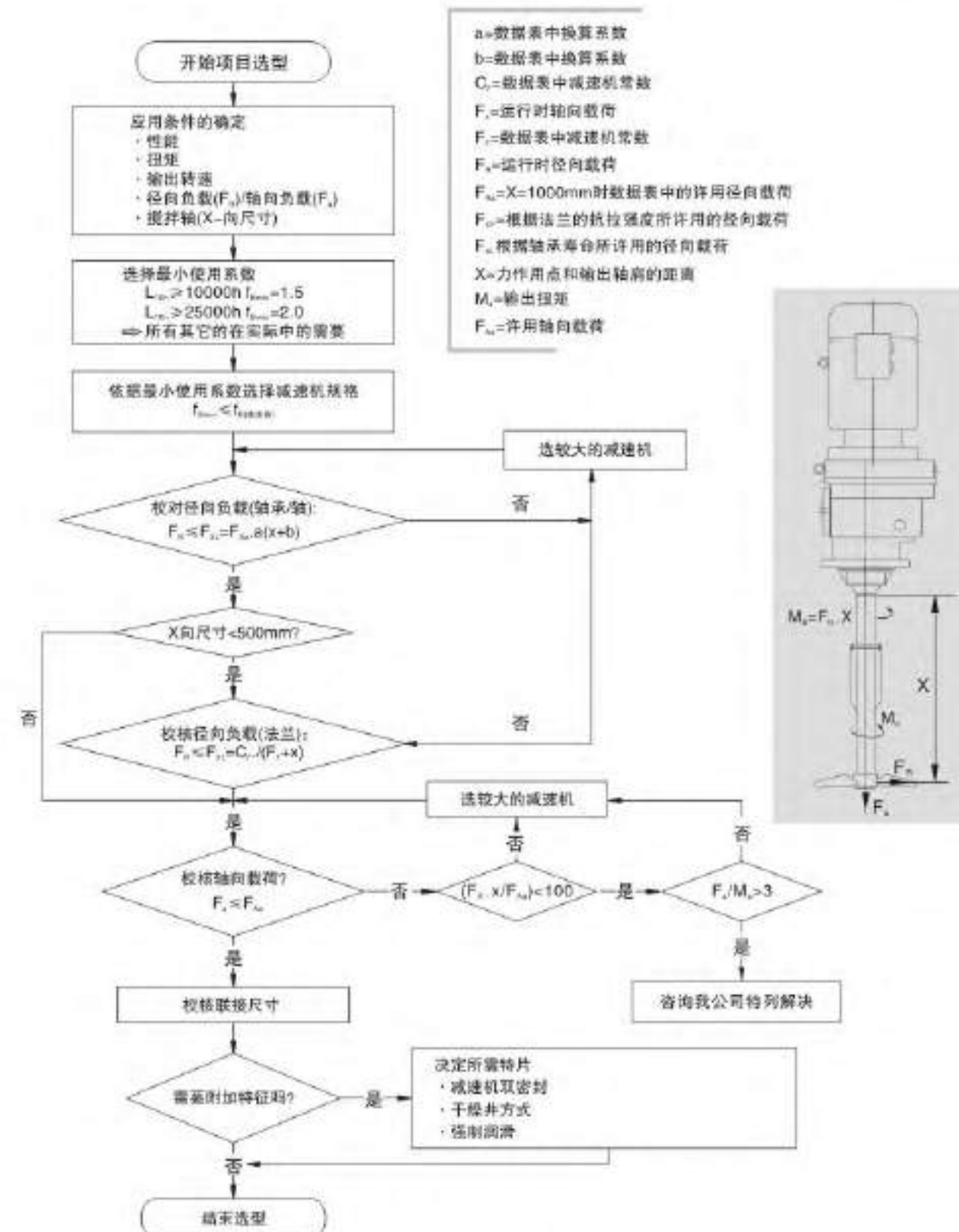
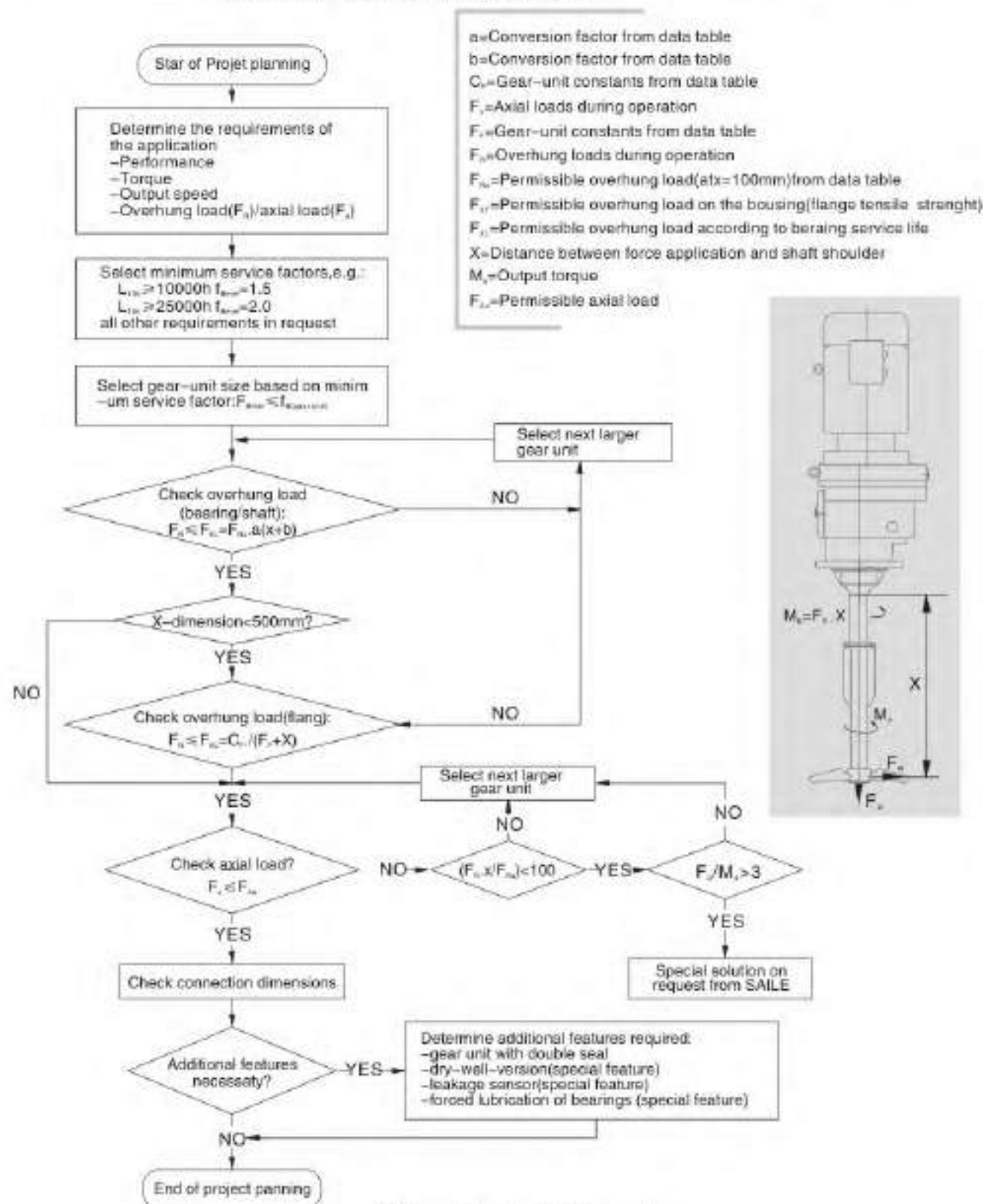


图: BRM选型流程图

4.6 BRM gear reducer

Project planning

You must take account of the higher overhung and axial loads when planning projects with BRM helical geared motors with extended bearing housing. Please adhere to the following project planning project planning procedure:



BRM Project planning for RM gear units

允许径向和轴向负载

Permitted overhung loads and axial forces

根据不同的使用系数 f_{brm} 和正常轴承寿命 L_{10000h} 所确定的许用径向负载 F_{brm} 和轴向负载 F_{brm}

The permitted overhung loads F_{brm} and axial loads F_{brm} are specified for various service factors f_{brm} and normal bearing service life L_{10000h}

$f_{brm} = 1.5$
 $L_{10000h} = 100000h$

减速机型号 Gear unit size	Na[rpm]	<16	16-25	26-40	41-60	61-100	101-250	161-250	251-400
BRM57	F_{brm} [N]	400	400	400	400	400	405	410	415
	F_{brm} [N]	18800	1500	11500	9700	7100	5650	4450	3800
BRM67	F_{brm} [N]	575	575	575	580	575	585	590	600
	F_{brm} [N]	19000	18900	15300	11900	9210	7470	5870	5050
BRM77	F_{brm} [N]	1200	1200	1200	1200	1200	1210	1210	1220
	F_{brm} [N]	22000	22000	19400	15100	11400	9220	7200	6710
BRM87	F_{brm} [N]	1970	1970	1970	1970	1980	1990	2000	2010
	F_{brm} [N]	30000	30000	23600	18000	14300	11000	8940	8030
BRM97	F_{brm} [N]	2980	2980	2980	2990	3010	3050	3060	3080
	F_{brm} [N]	40000	36100	27300	20300	15900	12600	9640	7810
BRM107	F_{brm} [N]	4230	4230	4230	4230	4230	4230	3580	3830
	F_{brm} [N]	48000	41000	30300	23000	18000	13100	9550	9030
BRM137	F_{brm} [N]	8710	8710	8710	8710	7220	5060	3980	6750
	F_{brm} [N]	70000	70000	70000	57600	46900	44000	35600	32400
BRM147	F_{brm} [N]	11100	11100	11100	11100	11100	10600	8640	10800
	F_{brm} [N]	70000	70000	69700	58400	45600	38000	32800	30800
BRM167	F_{brm} [N]	14600	14600	14600	14600	14600	14700	-	-
	F_{brm} [N]	70000	70000	70000	60300	45300	36900	-	-

$f_{brm} = 2.0$
 $L_{10000h} = 250000h$

减速机型号 Gear unit size	Na[rpm]	<16	16-25	26-40	41-60	61-100	101-250	161-250	251-400
BRM57	F_{brm} [N]	410	410	410	410	410	415	415	420
	F_{brm} [N]	12100	9600	7350	6050	4300	3350	2600	2200
BRM67	F_{brm} [N]	590	590	590	595	590	595	600	605
	F_{brm} [N]	15800	12000	9580	7330	5580	4460	3460	2930
BRM77	F_{brm} [N]	1210	1210	1210	1210	1210	1220	1220	1220
	F_{brm} [N]	20000	15400	11900	9070	6670	5280	4010	3700
BRM87	F_{brm} [N]	2000	2000	2000	2000	2000	1720	1690	1710
	F_{brm} [N]	24600	19200	14300	10600	8190	6100	5490	4860
BRM97	F_{brm} [N]	3040	3040	3040	3050	3070	3080	2540	2430
	F_{brm} [N]	28400	22000	16200	11600	8850	6840	5830	4760
BRM107	F_{brm} [N]	4330	4330	4330	4330	4330	3350	2810	2990
	F_{brm} [N]	32300	24800	17800	13000	9780	8170	5950	5620
BRM137	F_{brm} [N]	8850	8850	8850	8830	5660	4020	3200	5240
	F_{brm} [N]	70000	59900	48000	37900	33800	31700	25600	23300
BRM147	F_{brm} [N]	11400	11400	11400	11400	11400	8320	6850	8440
	F_{brm} [N]	70000	60600	45900	39900	33500	27900	24100	22600
BRM167	F_{brm} [N]	15100	15100	15100	15100	15100	13100	-	-
	F_{brm} [N]	70000	63500	51600	37800	26800	23600	-	-

换算系数和减速器常数

Conversion factors and gear unit constants

下表是对于BRM减速机在力作用点 $X \neq 1000\text{mm}$ 时计算径向载荷 F_r 所需的换算系数和减速器常数
The following conversion factors and gear unit constants apply to calculating the permitted overhung load F_r at point $X \neq 1000\text{mm}$ for BRM gear motors.

减速机型号 Gear unit size	a	b	$c_1 (l_1=1.5)$	$C_2 (l_2=2.0)$	F_r
BRM57	1047	47	1220600	1260400	277
BRM67	1047	47	2047600	2100000	297.5
BRM77	1050	50	2512800	2574700	340.5
BRM87	1056.5	56.5	4917800	5029000	414
BRM97	1061	61	10911600	11124100	481
BRM107	1069	69	15367000	15652000	554.5
BRM137	1088	88	25291700	25993600	650
BRM147	1091	91	30038700	31173900	756
BRM167	1089.5	89.5	42096100	43654300	869

BRM减速机的附加重量

Additional weights of BRM gear units

减速机型号 Gear unit size	在带有最小法兰尺寸RF减速机重量基础上的附加重量 Additional weight in addition to RF, related to the smallest RF flange $\Delta m[\text{kg}]$
BRM57	12.0
BRM67	15.8
BRM77	25.0
BRM87	29.7
BRM97	51.3
BRM107	88.0
BRM137	111.1
BRM147	167.4
BRM167	195.4

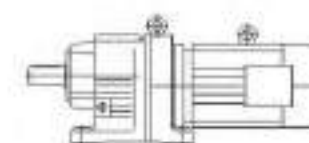
5. BR 斜齿轮减速机 BR Helical Geared motors

5.1 设计方案

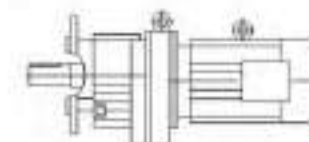
5.1 Versions of geared motors

斜齿轮减速机有以下设计方案:

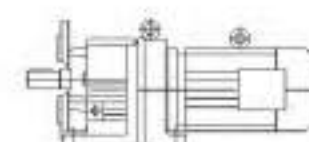
The following types of helical-bevel motor can be supplied:



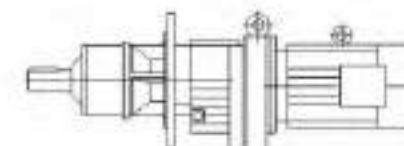
BR.D.,
底脚安装斜齿轮减速机
Foot-mounted helical geared motor



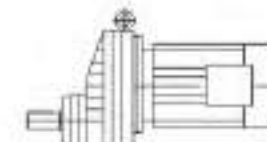
BRF.D.,
法兰安装斜齿轮减速机
Flange-mounted helical geared motor



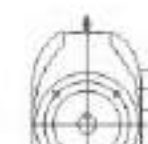
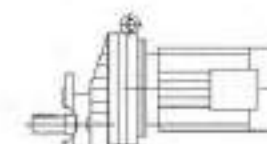
BR.F.D.,
底脚法兰安装斜齿轮减速机(仅限于BR17-BR87)
Foot and flange-mounted helical geared motor



BRM.D.,
法兰安装带长轴承箱的斜齿轮减速机
Flange-mounted helical geared motor with extended bearing housing



BRX.D.,
底脚安装单级斜齿轮减速机
Single-stage foot-mounted helical geared motor



BRXF.D.,
法兰安装单级斜齿轮减速机
Single-stage flange-mounted helical geared motor

5.2 可行的组合方式 5.2 Type of Combination

以下是斜齿轮减速机与交流（带制动）电机的组合列表。表中给出了每种组合的速比范围：
The following types of helical-bevel motor can be supplied:

减速机型号 Gear unit size	级 Stages	D63/D71	D80	D90	D100	D112	D132S	D132M
BRX/RXF57	1	1.65-5.50	1.30-4.35	1.30-3.79	1.30-2.64 3.14	1.30-2.64	1.30-2.04	1.30-2.04
BRX/RXF67	1	2.04-6.07	1.81-5.18	1.40-4.53	1.40-3.77	1.40-3.20	1.40-2.54	1.40-2.54
BRX/RXF77	1	2.70-8.00	2.13-6.41	1.42-5.83	1.42-4.73	1.42-4.04	1.42-3.25	1.42-3.25
BRX/RXF87	1		3.09-8.65	2.15-7.63	1.60-6.45	1.60-5.56	1.39-4.50	1.39-4.50
BRX/RXF97	1		4.04-8.23	2.92-8.23	2.24-8.23	2.24-7.16	1.42-5.79	1.42-5.79
BRX/RXF107	1				2.64-6.63	2.64-6.63	1.71-6.63	1.71-6.63
BR/RF17	2	3.83-25.23	3.83-19.71					
BR/RF17	3	24.07-81.64	24.07-81.64	3.37-8.16				
BR/RF27	2	3.37-28.37	3.37-22.32	10.13-19.35	3.37-6.59 10.13-15.63			
BR/RF27	3	24.47-135.09	24.47-105.49	24.47-48.17 61.30-90.98	24.47-32.47 39.25 61.30 74.11			
BR/RF37	2	3.41-28.32	3.41-22.27	3.41-19.31	3.41-15.60			
BR/RF37	3	24.42-134.82	24.42-105.28	24.42-48.08 61.18-90.77	24.42-32.40 39.17 61.18 73.96			
BR/RF47	2	4.85-7.76 10.15-33.79	3.83-26.74	3.83-23.26	3.83-16.22 19.27	3.83-16.22	3.83-6.00 8.01-12.54	3.83-6.00 8.01-12.54
BR/RF47	3	29.88-176.88	23.59-139.99	23.59-121.87	23.59-47.75 56.73 76.23-84.90 100.86	23.59-47.75		23.59-36.93
BR/RF57	2	6.41-9.06 11.88-28.31	5.05-26.31	4.39-26.31	4.39-21.93	4.39-18.60	4.39-7.87 9.35-14.77	4.39-7.87 9.35-14.77
BR/RF57	3	30.18-186.89	26.97-147.92	26.97-128.77	26.97-48.23 57.29 80.55-89.71 105.58	26.97-48.23 80.55-89.71	26.97-37.36	26.97-37.36
BR/RF67	2	6.27-7.79 12.70-28.13	4.93-7.79 10.00-28.13	4.93-28.13	4.29-23.44	4.29-19.89	4.29-15.79	4.29-15.79
BR/RF67	3	32.27-199.81	28.83-158-14	28.83-137.67	28.83-51.56 61.26-95.91 113.94	28.83-51.56 89.75-95.91	28.83-39.88 89.75-74.17	28.83-39.88 69.75-74.17
BR/RF77	2	8.59 15.60-23.37	6.79-8.59 12.33-23.37	5.31-23.37	5.31-23.37	5.31-23.37	5.31-18.80	5.31-18.80
BR/RF77	3	36.83-195.24	29.00-166.59	25.23-145-67	25.23-121.42	25.23-102.98	25.23-45.81 65.77-81.89	25.23-45.81 65.77-81.89
BR/RF87	2		19.10-34.40	7.13-9.14 13.33-34.40	5.30-34.40	5.30-34.40	5.30-27.84	5.30-27.84
BR/RF87	3		41.74-245.54	27.88-216.54	27.88-181.77	27.88-165.34	27.88-63.68 81.92-124.97	27.88-63.68 81.92-124.97
BR/RF97	2		22.37-32.05	9.29 16.17-32.05	7.12-9.26 12.39-32.05	7.12-9.29 12.39-32.05	4.50-32.05	4.50-32.05
BR/RF97	3		53.21-65.21 103.44-289.74	37.13-256.71	27.58-216.28	27.58-160.78	27.58-150.78	27.58-150.78
BR/RF107	2				15.65-30.77	5.82-7.88 10.13-30.77	5.82-7.88 10.13-30.77	5.82-7.88 10.13-30.77
BR/RF107	3					40.37-251.15	29.49-203.16	29.49-203.16
BR/RF137	2				40.137-251.15		7.59 12.83-29.57	7.59 12.83-29.57
BR/RF137	3						32.91-222.60	32.91-222.60

续表 Continued

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180	D200	D225	D250M
BRX/RXF77	1	1.42-2.43	1.42-2.43					
BRX/RXF87	1	1.39-3.48	1.39-3.48	1.39-3.48	1.39-2.76			
BRX/RXF97	1	1.42-4.52	1.42-4.52	1.42-4.52	1.42-3.64	1.42-29.2		
BRX/RXF107	1	1.44-5.19	1.44-5.19	1.44-5.19	1.44-4.20	1.44-3.38	1.44-3.38	
BR/RF77	2	5.31-7.74 9.64-14.05	5.31-7.74 9.64-14.05					
BR/RF77	3	25.23-33.47	25.23-33.47					
BR/RF87	2	5.30-21.51	5.30-21.51	5.30-21.51	5.30-17.08			
BR/RF87	3	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-47.58 81.92-93.38	27.88-36.84			
BR/RF97	2	4.50-25.03	4.50-25.03	4.50-25.03	4.50-20.14	4.50-16.17		
BR/RF97	3	27.58-59.92 72.17-116.48	27.58-59.92 72.17-116.48	27.58-59.92 72.17-116.48	27.58-47.58 72.17-82.48	27.58-37.13 72.17		
BR/RF107	2	4.92-30.77	4.92-30.77	4.92-30.77	4.92-24.90	4.92-20.07	4.92-20.07	
BR/RF107	3	29.49-158.68	29.49-158.68	29.49-158.68	29.49-65.60 78.57-127.88	29.49-52.68 78.57-102.53	29.49-62.68 78.57-102.53	
BR/RF137	2	6.38-7.59 10.79-29.57	6.38-7.59 10.79-29.57	6.38-7.59 10.79-29.57	5.15-29.57	5.15-24.12	5.15-24.12	5.15-19.04
BR/RF137	3	27.83-174.40	27.83-174.40	27.83-174.40	27.83-141.12	27.83-65.20 88.70-113.72	27.83-65.20 88.70-113.72	27.83-50.86 88.70
BR/RF147	2	7.25 11.99-20.44	7.25 11.99-20.44	7.25 11.99-20.44	5.89-7.25 9.74-20.44	5.06-20.44	5.06-20.44	5.06-20.44
BR/RF147	3	29.95-163.31	29.95-163.31	29.95-163.31	24.19-146.91	24.19-119.86	24.19-119.86	24.19-52.87 72.09-94.60
BR/RF167	2		14.48-48.00	14.48-48.00	11.99-37.74	10.24-30.71	10.24-30.71	10.24-24.57
BR/RF167	3		34.41-229.71	34.41-229.71	27.96-186.93	23.71-153.07	23.71-153.07	23.71-58.65 82.91-121.81

减速机型号 Gear unit size	级 Stages	D280	D315	D315M-A/B				
BR/RF147	2	5.00-20.44						
BR/RF147	3	24.19-52.87 72.09-94.60						
BR/RF167	2	10.24-24.57	10.24-19.03	10.24-14.48				
BR/RF167	3	23.71-58.65 82.91-121.81	23.71-44.87 82.91-93.19	23.71-34.41				

5.3 速比与最大扭矩 5.3 Ratio and max torque

BRX57-107 $n_1=1400$ 1/min

BRX57 70Nm				
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
5.50	255	39	3060	AD ₁
5.07	276	36	3030	
4.35	322	68	2640	
3.79	369	69	2480	
3.55	394	65	2420	
3.14	446	67	2320	
2.91	481	69	2170	
2.64	530	69	1810	AD ₂
2.37	591	69	1500	
2.04	686	69	1070	
1.92	729	69	890	
1.65	848	69	430	
1.48	946	68	112	
1.30	1075	63	132	

BRX87 400Nm				
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
8.65	162	139	7890	AD ₁
7.63	183	149	7490	
7.20	194	140	7380	
6.45	217	192	6850	AD ₂
5.56	252	225	6320	
5.07	276	250	5980	
4.50	311	290	5500	AD ₃
3.78	370	305	5030	
3.48	402	405	2730	
3.09	453	405	1950	AD ₄
2.76	507	405	1200	
2.48	565	405	470	
2.14	651	385	42	
1.93	725	355	185	
1.60	875	315	74	
1.39	1005	290	74	

BRX67 135Nm				
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
6.07	231	43	4010	AD ₁
5.18	270	75	3580	
4.53	309	82	3350	
4.36	326	80	3300	
3.77	371	87	3090	
3.20	438	100	2800	
2.89	484	106	2640	AD ₂
2.54	551	118	2000	
2.40	583	123	1530	
2.04	688	134	230	
1.86	753	126	225	
1.61	870	114	245	
1.40	1000	104	205	

BRX97 600Nm				
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
8.23	170	225	9560	AD ₁
7.16	196	260	8950	
6.56	213	300	8500	
5.79	242	420	7630	AD ₂
4.91	285	395	7220	
4.52	310	595	6180	AD ₃
4.04	384	595	5380	
3.64	385	595	4530	
3.30	434	595	3730	
2.92	479	595	2810	
2.64	530	595	1980	
2.24	625	595	495	
1.96	714	570	19	AD ₄
1.64	854	505	51	
1.42	986	455	132	

BRX77 215Nm				
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
8.00	175	57	6330	AD ₁
7.47	187	53	6200	
6.41	218	103	5600	
5.63	249	110	5300	
5.35	262	103	5240	
4.73	296	123	4900	AD ₂
4.04	347	143	4500	
3.70	378	153	4290	
3.25	431	182	3200	AD ₃
3.08	455	193	2560	
2.70	519	215	1110	
2.43	576	215	510	
2.13	657	200	435	
1.88	745	167	335	
1.67	838	173	315	
1.42	986	155	315	

BRX107 830Nm				
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
6.63	211	460	9700	AD ₁
5.61	250	455	9080	
5.19	270	695	7850	AD ₂
4.65	301	695	7450	
4.20	333	830	6420	
3.81	387	830	5550	
3.36	414	830	4490	
3.07	456	830	3600	AD ₃
2.64	580	830	2210	
2.30	609	830	950	
1.95	718	765	800	
1.71	819	705	525	
1.44	972	645	360	

BR17-37 $n_1=1400$ 1/min

BR17 85Nm			
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]
3-stage			
81.64	17	85	1890
70.39	20	85	1890
65.61	21	85	1890
57.35	24	85	1890
53.76	26	85	1890
47.44	30	85	1890
44.18	32	85	1890
38.61	36	85	1890
36.20	39	85	1890
31.94	44	85	1870
28.32	49	85	1790
24.07	58	85	1650
2-stage			
25.23	56	85	1690
23.15	60	85	1620
19.70	71	85	1500
16.99	82	85	1400
15.84	88	85	1350
13.84	101	85	1270
12.98	108	85	1230
11.45	122	81	1180
10.15	138	77	1140
8.63	162	72	1090
7.55	185	56	1040
7.04	199	55	1010
6.15	228	54	950
5.76	243	53	930
5.09	275	51	890
4.51	310	48	870
3.83	368	45	830

BR27 130Nm			
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]
3-stage			
135.09	10	130	4230
123.91	11	130	4230
105.49	13	130	4230
90.96	15	130	4230
84.78	17	130	4230
AD ₁			
74.11	19	130	4230
69.47	20	130	4180
61.30	23	130	3980
55.87	25	130	3840
48.17	29	130	3630
44.90	31	130	3530
39.25	36	130	3350
36.79	38	130	3260
32.47	43	130	3100
28.78	49	130	2950
24.47	57	130	2770
AD ₂			
2-stage			
28.37	49	130	2940
26.09	54	130	2840
22.32	63	130	2660
19.35	72	130	2510
18.08	77	130	2440
15.63	90	130	2290
13.28	105	130	240
11.86	118	129	1990
10.13	138	122	1890
9.41	149	122	900
8.16	172	116	870
7.83	183	112	900
6.99	212	106	880
5.60	250	99	880
5.00	280	95	860
4.27	328	87	920
4.00	350	85	910
3.37	415	79	900

BR37 200Nm			
i	n_1 [1/min]	M_{max} [Nm]	F_{ax} [N]
3-stage			
134.82	10	200	4950
123.66	11	200	4950
105.28	13	200	4950
90.77	15	200	4950
84.61	17	200	4950
73.96	19	200	4950
69.33	20	200	4950
61.18	23	200	4950
55.78	25	200	4950
AD ₁			
48.08	29	200	4950
44.81	31	200	4950
39.17	36	200	4760
36.72	38	200	4540
32.40	43	200	4120
28.73	49	200	3740
24.43	57	200	3240
AD ₂			
2-stage			
28.32	49	200	3690
26.03	54	185	3860
22.27	63	200	2970
19.31	73	200	2570
18.05	78	200	2390
15.60	90	200	2010
13.25	106	190	1880
11.83	118	183	1810
10.11	138	170	1820
9.47	148	167	1760
7.97	176	156	1720
6.87	210	144	1000
5.67	247	142	761
5.06	277	135	790
4.32	324	126	820
4.05	346	122	850
3.41	411	112	900

BR47-67 $n_e=1400$ 1/min

BR47				300Nm
i	n_e [1/min]	M_{max} [Nm]	F_{Kz} [N]	AD
3-stage				
176.88	7.9	300	5420	AD ₁
182.94	8.6	300	5420	
139.89	10	300	5420	
121.87	11	300	5420	
114.17	12	300	5420	
100.86	14	300	5420	
93.66	15	300	5420	
84.90	16	300	5420	
76.23	18	300	5420	
68.54	20	300	5420	
64.21	22	300	5420	
56.73	25	300	5420	
52.89	27	300	5420	
47.75	29	300	5150	
42.87	33	300	4930	
38.93	38	300	4630	
34.73	40	300	4520	
29.88	47	300	4240	
26.70	52	300	4050	
23.59	59	300	3640	
2-stage				
33.79	41	240	4690	AD ₁
31.13	45	220	4610	
26.74	52	300	4050	
23.28	60	300	3820	
21.81	64	300	3710	
19.27	73	295	3530	
17.89	78	290	3390	
16.22	86	275	3350	
14.56	96	265	3230	
12.54	112	250	3080	
11.79	119	245	3020	
10.15	138	230	2890	
9.07	154	220	2780	
8.01	175	205	2690	
7.76	180	163	2720	
6.96	201	159	2620	
6.00	233	156	2740	
5.64	248	155	2410	
4.85	289	150	2280	
4.34	323	146	2190	
3.83	366	144	2090	AD ₁

BR57				450Nm
i	n_e [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
3-stage				
188.89	7.5	450	7110	AD ₁
172.17	8.1	450	7110	
147.92	9.5	450	7110	
128.77	11	450	7110	
120.63	12	450	7110	
106.58	13	450	7110	
98.99	14	450	7110	
89.71	16	450	7110	
80.55	17	450	7110	
69.23	20	450	7110	
64.85	22	450	6980	
57.29	24	450	6630	
53.22	26	450	6430	
48.23	29	450	6170	
43.30	32	450	5900	
37.30	38	450	5530	
35.07	40	450	5390	
30.18	46	450	5050	
26.97	52	450	4800	
2-stage				
26.31	53	450	4750	AD ₁
24.89	56	450	4640	
21.93	64	450	4370	
18.60	75	450	4050	
16.79	83	450	3860	
14.77	95	435	3690	
13.95	100	430	3610	AD ₂
11.88	118	405	3430	
10.79	130	390	3330	
9.35	150	370	3180	
8.06	155	375	2010	
7.97	176	355	2020	
7.53	186	350	1950	
6.41	218	335	1770	
5.82	241	320	1820	
5.05	277	305	1730	
4.39	319	280	1900	

BR67				600Nm
i	n_n [1/min]	M_{max} [Nm]	F_{n3} [N]	AD
3-stage				
199.81	7.0	600	7170	AD ₁
184.07	7.6	600	7170	
158.14	8.9	600	7170	
138.87	10	600	7170	
128.97	11	600	7170	
113.94	12	600	7170	
105.83	13	600	7170	
95.91	15	600	7170	
86.11	16	600	7170	
74.17	19	600	7170	
69.75	20	600	7170	
61.26	23	600	7170	
56.89	25	600	7170	
51.56	27	600	7170	
46.29	30	600	7170	
39.88	35	580	7410	
37.50	37	570	7530	
32.27	43	540	7850	
28.83	49	520	8050	
2-stage				
28.13	50	540	7850	AD ₁
26.72	52	540	7850	
23.44	60	560	7640	
19.89	70	600	7170	AD ₁
17.95	78	590	7290	
15.79	89	560	7130	
14.91	94	550	6980	
12.70	110	520	6650	
11.54	121	500	6500	
10.00	140	470	6220	
8.70	161	440	5960	
7.79	180	380	5830	
7.36	190	370	5790	
6.27	223	330	5590	
5.70	246	310	5450	
4.93	284	290	5210	
4.29	326	270	5000	

BR77-97 $n_e=1400$ 1/min

BR77				820Nm
i	n_e [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
3-stage				
195.24	7.2	820	9920	AD ₁
186.59	8.4	820	9920	
145.67	9.6	820	9920	
138.99	10	820	9920	
121.42	12	820	9920	
102.99	14	820	9920	
92.97	15	820	9920	
81.80	17	820	9920	
77.24	18	820	9920	
65.77	21	820	9920	
57.68	24	820	9920	
52.07	27	820	9920	
45.81	31	820	9920	
43.26	32	820	9920	
36.83	38	820	9920	
33.47	42	820	9920	
29.00	48	820	9920	
25.23	55	780	10100	
2-stage				
23.37	60	820	8870	AD ₁
21.43	65	820	8250	
18.80	74	780	7980	
17.82	79	780	7620	
15.60	90	740	7390	
14.06	100	720	7050	
12.33	114	690	6740	
10.88	129	660	6490	
9.64	145	630	6300	
8.59	163	630	4100	AD ₂
7.74	181	610	3940	
6.79	206	580	3850	
5.89	234	540	3990	
5.31	264	510	3990	

BR87				1550Nm
i	n_e [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
3-stage				
246.54	5.7	1550	16900	AD ₁
216.54	6.5	1550	16900	
205.71	6.8	1550	16900	
181.77	7.7	1550	16900	
155.34	9.0	1550	16900	
142.41	9.8	1550	16900	
124.97	11	1550	16900	
118.43	12	1550	16900	
103.65	14	1550	16900	
93.38	15	1550	16900	
81.92	17	1550	16900	
72.57	19	1550	16900	
63.68	22	1550	15800	
60.35	23	1550	15200	
52.82	27	1550	13500	
47.58	29	1550	16900	
41.74	34	1550	16800	AD ₁
36.84	38	1550	16800	
32.66	43	1550	16000	
27.88	50	1550	15100	
2-stage				
34.40	41	1550	9480	AD ₁
31.40	45	1550	7820	
27.80	50	1550	15000	AD ₁
23.40	60	1550	13900	
21.51	65	1550	13600	
19.10	73	1440	13000	
17.08	82	1390	12600	
15.35	91	1340	12100	
13.33	105	1280	11600	
11.93	117	1230	11200	
9.90	141	1180	10400	
9.14	153	1210	10500	AD ₁
8.22	170	1160	10200	
7.13	196	1070	9780	
6.39	218	1020	9450	
5.30	254	910	8860	

BR97				3000Nm
i	n_e [1/min]	M_{max} [Nm]	F_{ax} [N]	AD
3-stage				
289.74	4.8	3000	19600	AD ₁
255.71	5.5	3000	19600	
241.25	5.8	3000	19600	
216.28	6.5	3000	19600	
186.30	7.5	3000	19600	
170.02	8.2	3000	19600	
150.78	9.3	3000	19600	
126.75	11	3000	19600	
116.48	12	3000	19600	
103.44	14	3000	19600	
92.48	15	3000	19600	
83.15	17	3000	19600	
72.17	19	3000	19600	
65.21	21	3000	19600	
59.92	23	3000	19600	
53.21	26	3000	19600	
47.58	29	3000	19600	AD ₁
42.78	33	3000	19600	
37.13	38	3000	18600	
33.25	42	2890	17900	
27.58	51	2670	16900	
2-stage				
32.05	44	2560	10600	AD ₁
27.19	51	2560	8380	
25.03	56	2830	15900	AD ₁
22.37	63	2720	15300	
20.14	70	2610	14800	
18.24	77	2500	14400	
16.17	87	2400	13800	
14.62	96	2300	13400	
12.39	113	2190	12700	
10.83	129	2090	12100	
9.29	151	2030	12200	
8.39	167	2030	11700	
7.12	197	2000	10900	
6.21	225	1890	10500	
5.20	269	1780	9850	AD ₁
4.50	311	1630	9500	

BR107-147 $n_n=1400$ 1/min

BR107				4300Nm
i	n _i [1/min]	M _{max,i} [Nm]	F _{in,i} [N]	AD
3-stage				
251.15	5.6	4300	29500	AD ₁
229.95	6.1	4300	29500	
203.16	6.9	4300	29500	
172.34	8.1	4300	29500	
158.68	8.8	4300	29500	
141.83	9.9	4300	29500	
127.68	10	4300	29500	
115.63	12	4300	29500	
102.53	14	4300	29500	
92.70	15	4300	29500	
78.57	18	4300	29500	AD ₂
72.88	19	4300	29500	
65.60	21	4300	29200	
59.41	24	4300	29000	
52.68	27	4300	26600	
47.63	29	4300	25500	AD ₃
40.37	35	4300	23800	
35.26	40	4300	22400	
29.49	47	4300	20700	
2-stage				
30.77	45	4300	21100	AD ₄
27.58	51	4300	20100	
24.90	56	4300	19200	
22.62	62	4300	18300	
20.07	70	4300	17300	
18.21	77	4300	16600	
15.65	89	4300	15400	
13.66	102	4300	14400	AD ₅
11.59	121	4300	13300	
10.13	138	4300	12400	
8.56	164	4300	11300	
7.86	178	2970	13800	
6.66	210	2970	12800	
5.82	241	2970	12100	
4.92	285	2900	11300	

BR137				8000Nm
i	n_n [1/min]	M_{max} [Nm]	F_{in} [N]	AD
3-stage				
222.80	6.3	8000	53400	AD ₁
188.45	7.4	8000	53400	
174.40	8.0	8000	53400	
156.31	9.0	8000	53400	
141.12	9.9	8000	53400	
128.18	11	8000	53400	
113.72	12	8000	53400	
103.20	14	8000	53400	
88.70	16	8000	53400	
80.91	17	8000	53400	
73.49	19	8000	53400	AD ₂
65.20	21	8000	53400	
59.17	24	8000	53400	
50.86	28	8000	53400	AD ₃
44.39	32	8000	53400	
37.65	37	8000	53400	
32.91	43	8000	53400	
27.83	50	7680	54100	
2-stage				
29.57	47	7780	53900	AD ₄
24.12	58	8000	49400	
22.00	64	8000	47100	AD ₅
19.04	74	8000	43500	
16.80	83	8000	40600	
14.51	96	8000	37300	
12.83	109	8000	34700	
10.79	130	8000	31100	
8.71	161	7840	27600	
7.59	184	5110	39000	
6.38	219	5110	35900	
5.15	272	4600	34500	

BR147				13000Nm
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	AD
3-stage				
163.31	8.6	13000	62700	AD ₁
146.91	9.5	13000	62700	
119.86	12	13000	62700	
109.31	13	13000	62700	
94.60	15	13000	62700	
83.47	17	13000	62700	
72.09	19	13000	62700	AD ₂
66.99	21	13000	62700	
61.09	23	13000	62700	
52.87	26	13000	62700	
46.65	30	13000	62700	
40.29	35	13000	62700	AD ₃
35.64	39	13000	62700	AD ₄
29.95	47	13000	62700	
24.19	58	11900	64700	
2-stage				
20.44	68	12000	64600	AD ₅
18.04	78	10500	67000	
15.65	90	13000	62700	
13.91	101	12600	63400	
11.99	117	13000	60400	
9.74	144	13000	54400	
8.26	169	13000	49900	
7.25	193	8670	58400	
5.89	238	8670	53200	
5.00	280	8670	49300	

 BR167, BR27/37R17 $n_n=1400$ 1/min

BR167				18000Nm
i	n_c [1/min]	M_{max} [Nm]	F_{in} [N]	AD
3-stage				
229.71	6.1	18000	120000	AD
186.93	7.5	18000	120000	
153.07	9.1	18000	120000	
139.98	10	18000	120000	
121.81	11	18000	120000	
107.49	13	18000	120000	
93.19	15	18000	120000	
82.91	17	18000	120000	
73.70	19	18000	120000	
67.40	21	18000	120000	AD
58.85	24	18000	120000	
51.76	27	18000	120000	
44.87	31	18000	120000	AD
39.92	35	18000	120000	
34.41	41	18000	120000	
27.96	50	18000	120000	AD
23.71	58	18000	116500	
2-stage				
46.00	30	7000	120000	AD
37.74	37	9000	120000	AD
30.71	46	10000	120000	
24.57	57	14000	120000	AD
21.85	64	13000	120000	
19.03	74	16000	111400	
16.98	82	15000	108900	
14.48	97	18000	93800	
11.99	117	17000	88700	
10.24	137	17000	82500	

BR27R17 130Nm				
i	n_n [1/min]	M_{max} [Nm]	F_{in} [N]	
8612	0.16	130	4230	AD ₁
7425	0.19	130	4230	
6921	0.20	130	4230	
6050	0.23	130	4230	
5217	0.27	130	4230	
4661	0.30	130	4230	
4073	0.34	130	4230	
3516	0.40	130	4230	
3180	0.44	130	4230	
2763	0.51	130	4230	
2414	0.58	130	4230	AD ₂
2110	0.66	130	4230	
1862	0.75	130	4230	
1822	0.77	130	4230	
1625	0.86	130	4230	
1580	0.89	130	4230	
1464	0.96	130	4230	
1434	0.98	130	4230	
1270	1.1	130	4230	
1254	1.1	130	4230	AD ₃
1101	1.3	130	4230	
1100	1.3	130	4230	
972	1.4	130	4230	
962	1.5	130	4230	
848	1.7	130	4230	
840	1.7	130	4230	
743	1.9	130	4230	
741	1.9	130	4230	
654	2.1	130	4230	AD ₄
649	2.2	130	4230	
567	2.5	130	4230	
566	2.5	130	4230	
509	2.8	130	4230	
499	2.8	130	4230	
440	3.2	130	4230	
432	3.2	130	4230	
387	3.6	130	4230	
381	3.7	130	4230	AD ₅
339	4.1	130	4230	
329	4.3	130	4230	
296	4.7	130	4230	
290	4.8	130	4230	
259	5.4	130	4230	
256	5.5	130	4230	
229	6.1	130	4230	
227	6.2	130	4230	
203	6.9	130	4230	AD ₆
200	7.0	130	4230	
179	7.8	130	4230	
177	7.9	130	4230	
166	8.4	130	4230	
156	9.0	130	4230	
150	9.3	130	4230	
141	9.9	130	4230	
135	10	130	4230	
124	11	130	4230	AD ₇
118	12	130	4230	
110	13	130	4230	
104	13	130	4230	
94	15	130	4230	
90	16	130	4230	

BR37R17			200Nm
i	n _n [1/min]	M _{max} [Nm]	F _z [N]
8594	0.16	200	4950
7411	0.19	200	4950
6907	0.20	200	4950
6038	0.23	200	4950
5208	0.27	200	4950
4654	0.30	200	4950
4065	0.34	200	4950
3658	0.38	200	4950
3154	0.44	200	4950
2757	0.51	200	4950
2409	0.58	200	4950
2106	0.66	200	4950
1856	0.75	200	4950
1818	0.77	200	4950
1622	0.86	200	4950
1576	0.89	200	4950
1431	0.98	200	4950
1359	1.0	200	4950
1267	1.1	200	4950
1251	1.1	200	4950
1099	1.3	200	4950
1098	1.3	200	4950
970	1.4	200	4950
960	1.5	200	4950
847	1.7	200	4950
839	1.7	200	4950
741	1.9	200	4950
740	1.9	200	4950
653	2.1	200	4950
647	2.2	200	4950
577	2.4	200	4950
566	2.5	200	4950
508	2.8	200	4950
498	2.8	200	4950
439	3.2	200	4950
431	3.2	200	4950
387	3.6	200	4950
378	3.7	200	4950
338	4.1	200	4950
328	4.3	200	4950
296	4.7	200	4950
289	4.8	200	4950
265	5.3	200	4950
259	5.4	200	4950
228	6.1	200	4950
226	6.2	200	4950
202	6.9	200	4950
199	7.0	200	4950
179	7.8	200	4950
172	8.1	200	4950
156	9.0	200	4950
150	9.3	200	4950
135	10	200	4950
130	11	200	4950
127	11	200	4950
124	11	200	4950
110	13	200	4950
104	13	200	4950
94	15	200	4950
90	16	200	4950

BR47/57/67R37 $n_n=1400$ 1/min

BR47R37 300 Nm				BR57R37 450 Nm				BR67R37 600 Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_n [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_n [1/min]	M_{max} [Nm]	F_{ax} [N]
13598	0.10	300	5420	14369	0.10	450	7110	15361	0.09	600	7170
12472	0.11	300	5420	12095	0.12	450	7110	12931	0.11	600	7170
10619	0.13	300	5420	10860	0.13	450	7110	11996	0.12	600	7170
9155	0.15	300	5420	9446	0.15	450	7110	10097	0.14	600	7170
8534	0.16	300	5420	8480	0.17	450	7110	9066	0.15	600	7170
7460	0.19	300	5420	7312	0.19	450	7110	7816	0.18	600	7170
6993	0.20	300	5420	6521	0.21	450	7110	6732	0.21	600	7170
6171	0.23	300	5420	5585	0.25	450	7110	5970	0.23	600	7170
5624	0.25	300	5420	4928	0.28	450	7110	5268	0.27	600	7170
4849	0.29	300	5420	4378	0.32	450	7110	4680	0.30	600	7170
4520	0.31	300	5420	3873	0.36	450	7110	4136	0.34	600	7170
3951	0.35	300	5420	3344	0.42	450	7110	3566	0.39	600	7170
3704	0.38	300	5420	2957	0.47	450	7110	3125	0.45	600	7170
3268	0.43	300	5420	2907	0.48	450	7110	2745	0.51	600	7170
2898	0.48	300	5420	2567	0.55	450	7110	2682	0.52	600	7170
2856	0.49	300	5420	2508	0.56	450	7110	2460	0.57	600	7170
2625	0.53	300	5420	2309	0.61	450	7110	2403	0.58	600	7170
2598	0.54	300	5420	2244	0.62	450	7110	2136	0.66	600	7170
2463	0.57	300	5420	1991	0.70	450	7110	2094	0.67	600	7170
2383	0.59	300	5420	1967	0.71	450	7110	1852	0.76	600	7170
2246	0.62	300	5420	1768	0.79	450	7110	1805	0.78	600	7170
2029	0.69	300	5420	1732	0.81	450	7110	1652	0.85	600	7170
1948	0.72	300	5420	1555	0.90	450	7110	1629	0.86	600	7170
1821	0.77	300	5420	1520	0.92	450	7110	1471	0.95	600	7170
1749	0.80	300	5420	1399	1.0	450	7110	1432	0.98	600	7170
1630	0.86	300	5420	1342	1.0	450	7110	1379	1.0	600	7170
1573	0.89	300	5420	1189	1.2	450	7110	1259	1.1	600	7170
1425	0.98	300	5420	1164	1.2	450	7110	1109	1.3	600	7170
1336	1.0	300	5420	1034	1.4	450	7110	1106	1.3	600	7170
1193	1.2	300	5420	1027	1.4	450	7110	956	1.5	600	7170
1179	1.2	300	5420	894	1.6	450	7110	891	1.6	600	7170
1074	1.3	300	5420	805	1.7	450	7110	836	1.7	600	7170
1020	1.4	300	5420	782	1.8	450	7110	750	1.9	600	7170
955	1.5	300	5420	683	2.0	450	7110	730	1.9	600	7170
927	1.5	300	5420	678	2.1	450	7110	646	2.2	600	7170
963	1.6	300	5420	604	2.3	450	7110	644	2.2	600	7170
904	1.7	300	5420	603	2.3	450	7110	574	2.4	600	7170
755	1.9	300	5420	537	2.6	450	7110	571	2.5	600	7170
708	2.0	300	5420	534	2.6	450	7110	495	2.8	600	7170
673	2.1	300	5420	471	3.0	450	7110	486	2.9	600	7170
624	2.2	300	5420	454	3.1	450	7110	443	3.2	600	7170
572	2.4	300	5420	410	3.4	450	7110	438	3.2	600	7170
554	2.5	300	5420	359	3.9	450	7110	388	3.6	600	7170
546	2.6	300	5420	357	3.9	450	7110	384	3.6	600	7170
510	2.7	300	5420	324	4.3	450	7110	359	3.9	600	7170
502	2.8	300	5420	319	4.4	450	7110	344	4.1	600	7170
471	3.0	300	5420	290	4.8	450	7110	310	4.5	600	7170
436	3.2	300	5420	273	5.1	450	7110	294	4.8	600	7170
429	3.3	300	5420	262	5.3	450	7110	284	5.3	600	7170
408	3.4	300	5420	246	5.7	450	7110	261	5.4	600	7170
372	3.8	300	5420	241	5.8	450	7110	235	6.0	600	7170
348	4.0	300	5420	220	6.4	450	7110	234	6.0	600	7170
344	4.1	300	5420	215	6.5	450	7110	201	7.0	600	7170
301	4.7	300	5420	188	7.4	450	7110	200	7.0	600	7170
255	5.5	300	5420	187	7.5	450	7110	181	7.7	600	7170
226	6.1	300	5420	164	8.5	450	7110	176	8.0	600	7170
195	7.2	300	5420	159	8.8	450	7110	189	8.8	600	7170
182	7.7	300	5420	146	9.6	450	7110	158	8.9	600	7170
154	9.1	300	5420	142	9.9	450	7110				
129	11	300	5420	134	10	450	7110				
109	13	300	5420								
98	14	300	5420								

BR77R37,R87/97R57 $n_n=1400$ 1/min

BR77R37 820 Nm				BR87R57 1550 Nm				BR97R57 3000 Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_n [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_n [1/min]	M_{max} [Nm]	F_{ax} [N]
16370	0.09	820	9920	17452	0.08	1550	16900	21769	0.06	3000	19800
15015	0.09	820	9920	15310	0.09	1550	16900	19332	0.07	3000	19800
13885	0.10	820	9920	13813	0.10	1550	16900	17230	0.08	3000	19800
12783	0.11	820	9920	12025	0.12	1550	16900	14999	0.09	3000	19800
11021	0.13	820	9920	10549	0.13	1550	16900	13320	0.11	3000	19800
9788	0.14	820	9920	9244	0.15	1550	16900	11156	0.13	3000	19800
8714	0.16	820	9920	8109	0.17	1550	16900	10030	0.14	3000	19800
7817	0.18	820	9920	7038	0.20	1550	16900	8706	0.16	3000	19800
6770	0.21	820	9920	6174	0.23	1550	16900	7692	0.18	3000	19800
5838	0.24	820	9920	5449	0.26	1550	16900	6708	0.21	3000	19800
5184	0.27	820	9920	4831	0.29	1550	16900	5931	0.24	3000	19800
4470	0.31	820	9920	4206	0.33	1550	16900	5161	0.27	3000	19800
3999	0.35	820	9920	4020	0.35	1550	16900	4678	0.30	3000	19800
3488	0.40	820	9920	3744	0.37	1550	16900	4559	0.31	3000	19800
3151	0.44	820	9920	3703	0.38	1550	16900	4309	0.32	3000	19800
3053	0.46	820	9920	3233	0.43	1550	16900	4004	0.35	3000	19800
2890	0.48	820	9920	3182	0.44	1550	16900	3702	0.38	3000	19800
2671	0.52	820	9920	2873	0.49	1550	16900	3481	0.40	3000	19800
2460	0.57	820	9920	2770	0.51	1550	16900	3065	0.46	3000	19800
2345	0.60	820	9920	2595	0.54	1550	16900	3019	0.46	3000	19800
2121	0.66	820	9920	2518	0.56	1550	16900	2722	0.51	3000	19800
2070	0.68	820	9920	2209	0.63	1550	16900	2668	0.52	3000	19800
1977	0.71	820	9920	2129	0.66	1550	16900	2311	0.61	3000	19800
1822	0.77	820	9920	1961	0.71	1550	16900	2245	0.62	3000	19800
1728	0.81	820	9920	1930	0.73	1550	16900	2078	0.67	3000	19800
1620	0.86	820	9920	1737	0.81	1550	16900	2016	0.69	3000	19800
1580	0.89	820	9920	1733	0.81	1550	16900	1823	0.77	3000	19800
1430	0.98	820	9920	1524	0.92	1550	16900	1733	0.81	3000	19800
1394	1.0	820	9920	1489	0.94	1550	16900	1623	0.86	3000	19800
1303	1.1	820	9920	1395	1.0	1550	16900	1583	0.88	3000	19800
1218	1.1	820	9920	1303	1.1	1550	16900	1434	0.98	3000	19800
1124	1.2	820	9920	1232	1.1	1550	16900	1396	1.0	3000	19800
1084	1.3	820	9920	1145	1.2	1550	16900	1228	1.1	3000	19800
1047	1.3	820	9920	1143	1.2	1550	16900	1207	1.2	3000	19800
940	1.5	820	9920	1037	1.4	1550	16900	1084	1.3	3000	19800
915	1.5	820	9920	1008	1.4	1550	16900	1069	1.3	3000	19800
858	1.6	820	9920	994	1.4	1550	16900	938	1.5	3000	19800
821	1.7	820	9920	931	1.5	1550	16900	934	1.5	3000	19800
757	1.8	820	9920	885	1.6	1550	16900	878	1.6	3000	19800
731	1.9	820	9920	881	1.6	1550	16900	824	1.7	3000	19800
671	2.1	820	9920	802	1.7	1550	16900	755	1.9	3000	19800
646	2.2	820	9920	776	1.8	1550	16900	737	1.9	3000	19800
571	2.5	820	9920	754	1.9	1550	16900	632	2.2	3000	19800

BR107/137/147R77 $n_g=1400$ 1/min

BR107R77 4300Nm				BR137R77 8000Nm				BR147R77 13000Nm			
i	n_g [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_g [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_g [1/min]	M_{max} [Nm]	F_{ax} [N]
20018	0.07	4300	29500	22203	0.06	8000	53400	23401	0.06	13000	62700
17080	0.08	4300	29500	18945	0.07	8000	53400	21342	0.07	13000	62700
14936	0.09	4300	29500	16566	0.08	8000	53400	18210	0.08	13000	62700
12829	0.11	4300	29500	14777	0.09	8000	53400	15923	0.09	13000	62700
11256	0.12	4300	29500	12921	0.11	8000	53400	14075	0.10	13000	62700
9547	0.15	4300	29500	11712	0.12	8000	53400	12344	0.11	13000	62700
8618	0.16	4300	29500	10573	0.13	8000	53400	11143	0.13	13000	62700
7583	0.18	4300	29500	8784	0.16	8000	53400	9743	0.14	13000	62700
6743	0.21	4300	29500	7479	0.19	8000	53400	8443	0.17	13000	62700
5914	0.24	4300	29500	6559	0.21	8000	53400	7307	0.19	13000	62700
5168	0.27	4300	29500	5834	0.24	8000	53400	6447	0.22	13000	62700
4435	0.32	4300	29500	5116	0.27	8000	53400	5568	0.25	13000	62700
3918	0.36	4300	29500	4709	0.30	8000	53400	4926	0.28	13000	62700
3896	0.36	4300	29500	4464	0.31	8000	53400	4325	0.32	13000	62700
3432	0.41	4300	29500	4017	0.35	8000	53400	3754	0.37	13000	62700
3343	0.42	4300	29500	3928	0.36	8000	53400	3302	0.42	13000	62700
3039	0.46	4300	29500	3514	0.40	8000	53400	2898	0.48	13000	62700
3034	0.46	4300	29500	3454	0.41	8000	53400	2555	0.55	13000	62700
2688	0.52	4300	29500	3338	0.42	8000	53400	2211	0.63	13000	62700
2653	0.53	4300	29500	2993	0.47	8000	53400	1951	0.72	13000	62700
2339	0.60	4300	29500	2929	0.48	8000	53400	1705	0.82	13000	62700
2280	0.61	4300	29500	2658	0.53	8000	53400	1536	0.91	13000	62700
2067	0.69	4300	29500	2484	0.56	8000	53400	1329	1.1	13000	62700
1987	0.70	4300	29500	2412	0.58	8000	53400	1166	1.2	13000	62700
1827	0.77	4300	29500	2242	0.62	8000	53400	1029	1.4	13000	62700
1693	0.83	4300	29500	2073	0.68	8000	53400	889	1.6	13000	62700
1599	0.88	4300	29500	1863	0.75	8000	53400	784	1.8	13000	62700
1550	0.90	4300	29500	1839	0.76	8000	53400	695	2.0	13000	62700
1407	1.0	4300	29500	1598	0.88	8000	53400	619	2.3	13000	62700
1400	1.0	4300	29500	1596	0.88	8000	53400	558	2.5	13000	62700
1226	1.1	4300	29500	1397	1.0	8000	53400	489	2.9	13000	62700
1209	1.2	4300	29500	1391	1.0	8000	53400	415	3.4	13000	62700
1104	1.3	4300	29500	1256	1.1	8000	53400				
1055	1.3	4300	29500	1226	1.1	8000	53400				
939	1.5	4300	29500	1105	1.3	8000	53400				
919	1.5	4300	29500	1090	1.3	8000	53400				
822	1.7	4300	29500	1043	1.3	8000	53400				
815	1.7	4300	29500	951	1.5	8000	53400				
717	2.0	4300	29500	888	1.6	8000	53400				
626	2.2	4300	29500	831	1.7	8000	53400				
614	2.3	4300	29500	730	1.9	8000	53400				
544	2.6	4300	29500	699	2.0	8000	53400				
528	2.7	4300	29500	629	2.2	8000	53400				
492	2.8	4300	29500	609	2.3	8000	53400				
469	3.0	4300	29500	584	2.5	8000	53400				
426	3.3	4300	29500	560	2.5	8000	53400				
417	3.4	4300	29500	517	2.7	8000	53400				
377	3.7	4300	29500	490	2.9	8000	53400				
369	3.8	4300	29500	453	3.1	8000	53400				
325	4.3	4300	29500	428	3.3	8000	53400				
323	4.3	4300	29500	381	3.7	8000	53400				
285	4.9	4300	29500	376	3.7	8000	53400				
284	4.9	4300	29500	339	4.1	8000	53400				
256	5.5	4300	29500	323	4.3	8000	53400				
253	5.5	4300	29500	297	4.7	8000	53400				
220	6.4	4300	29500	291	4.8	8000	53400				
214	6.5	4300	29500	255	5.5	8000	53400				
193	7.3	4300	29500	223	6.3	8000	53400				
187	7.5	4300	29500	197	7.1	8000	53400				
172	8.1	4300	29500	175	8.0	8000	53400				

BR147R87, BR167R97, BR167R107 $n_g=1400$ 1/min

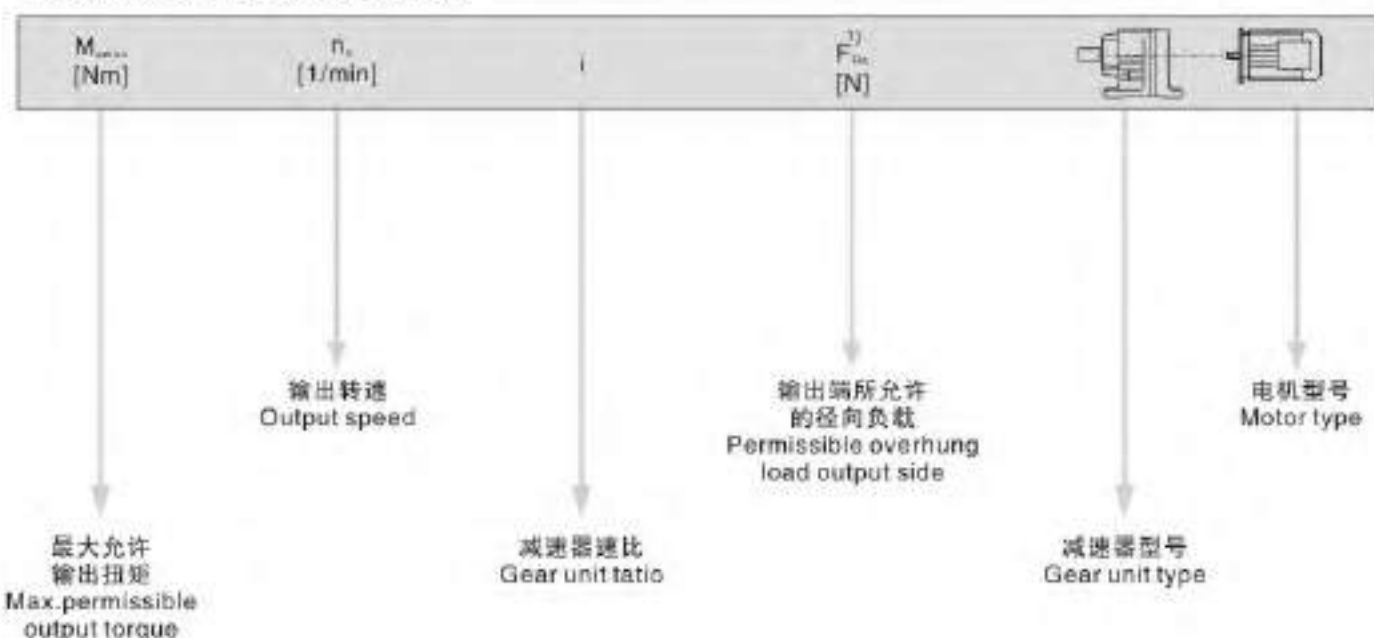
BR147R87 13000Nm				BR167R97 18000Nm				BR167R107 18000Nm			
i	n_g [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_g [1/min]	M_{max} [Nm]	F_{ax} [N]	i	n_g [1/min]	M_{max} [Nm]	F_{ax} [N]
533	2.6	13000	62700	27001	0.05	18000	120000	3637	0.38	18000	120000
462	3.0	13000	62700	22482	0.06	18000	120000	3330	0.42	18000	120000
428	3.3	13000	62700	20002	0.07	18000	120000	2757	0.51	18000	120000
368	3.8	13000	62700	17361	0.08	18000	120000	2436	0.57	18000	120000
326	4.3	13000	62700	15446	0.09	18000	120000	2298	0.61	18000	120000
280	5.0	13000	62700	14051	0.10	18000	120000	2066	0.68	18000	120000
247	5.7	13000	62700	11812	0.12	18000	120000	1849	0.76	18000	120000
214	6.5	13000	62700	10509	0.13	18000	120000	1674	0.84	18000	120000
189	7.4	13000	62700	9631	0.15	18000	120000	1485	0.94	18000	120000
159	8.8	13000	62700	7749	0.18	18000	120000	1342	1.0	18000	120000
				6894	0.20	18000	120000	1229	1.1	18000	120000
				6077	0.23	18000	120000	1111	1.3	18000	120000
				5407	0.26	18000	120000	950	1.5	18000	120000
				4650	0.30	18000	120000	860	1.6	18000	120000
				4129	0.34	18000	120000	763	1.8	18000	120000
				3692	0.38	18000	120000	690	2.0	18000	120000
				3099	0.45	18000	120000	585	2.4	18000	120000
				2657	0.53	18000	120000	511	2.7	18000	120000
				2333	0.60	18000	120000	446	3.1	18000	120000
				2085	0.67	18000	120000	399	3.5	18000	120000
				1877	0.75	18000	120000	361	3.9	18000	120000
				1670	0.84	18000	120000	349	4.0	18000	120000
				1438	0.97	18000	120000	328	4.3	18000	120000
				1279	1.1	18000	120000	295	4.7	18000	120000
				1123	1.2	18000	120000	291	4.8	18000	120000
				999	1.4	18000	120000	270	5.2	18000	120000
				861	1.6	18000	120000	264	5.3	18000	120000
				760	1.8	18000	120000	229	6.1	18000	120000
				656	2.1	18000	120000	227	6.2	18000	120000
				579	2.4	18000	120000	200	7.0	18000	120000
				503	2.8	18000	120000	196	7.1	18000	120000
				432	3.2	18000	120000	169	8.3	18000	120000
				376	3.7	18000	120000	168	8.3	18000	120000
				335	4.2	18000	120000				
				303	4.6	18000	120000				
				279	5.0	18000	120000				

5.4 选型表注释 5.4 Selection table

选型表的结构
Selection table for geared motors



对于特殊低输出转速
For particularly low output speeds



图例 Cutline
※ 也可用于EEXe电机。 ※ EEXe motor is optional.
1) 实心轴底脚安装减速机的径向负载
1) Overhung load specified for foot-mounted gear unit with solid shaft

注意: Notice:
对于特殊低输出转速驱动(多级减速电机), 电机功率必须与减速机的最大允许输出扭矩相对应。
In drives for particularly low output speeds (multi-stage geared motor), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_n [1/min]	输出扭矩 Output torque M_n [N·m]	传动比 Ratio i	径向负载 Permitted overhung load $F_{\text{out}}^{(1)}$ [N]	使用系数 Service factor f_s	型号 Model
0.12kW					
0.06	14300	21342	58600	0.90	BR 147 R77 D63S4
0.08	12000	18210	64500	1.10	BRF 147 R77 D63S4
0.09	10300	15923	67300	1.25	
0.10	9440	14075	68600	1.40	
0.11	7830	12344	70700	1.70	
0.12	6780	11143	71500	1.90	
0.14	6020	9743	72200	2.2	BR 147 R77 D63S4
0.16	4960	8443	73000	2.6	BRF 147 R77 D63S4
0.19	4290	7307	73400	3.0	
0.21	3780	6447	73700	3.4	
0.25	3270	5568	73900	4.0	
0.11	8390	12921	82300	0.90	
0.12	7240	11712	84900	1.10	
0.13	6430	10573	86400	1.25	
0.16	5160	8784	88200	1.55	BR 137 R77 D63S4
0.18	4270	7479	89200	1.85	BRF 137 R77 D63S4
0.21	4080	6559	89500	1.95	
0.24	3330	5834	80100	2.4	
0.27	3160	5116	80200	2.6	
0.18	4500	7583	28300	0.90	
0.20	3850	6743	31700	1.10	
0.23	3680	5914	32500	1.20	BR 107 R77 D63S4
0.27	2950	5168	35100	1.45	BRF 107 R77 D63S4
0.31	2600	4435	36000	1.65	
0.35	2310	3896	36400	1.85	
0.45	1880	3039	36900	2.3	
0.35	2670	3918	35900	1.60	
0.41	2240	3343	36500	1.90	
0.45	2030	3034	36700	2.1	BR 107 R77 D63S4
0.52	1750	2653	37000	2.5	BRF 107 R77 D63S4
0.61	1500	2280	37200	2.9	
0.67	1300	2067	37400	3.3	
0.30	2930	4859	21300	1.00	BR 97 R57 D63S4
0.34	2500	4004	24100	1.20	BRF 97 R57 D63S4
0.40	2200	3481	26500	1.35	
0.29	3240	4678	3870	0.90	
0.32	2970	4309	21000	1.00	
0.37	2510	3702	24000	1.20	
0.46	2010	3019	26400	1.50	BR 97 R57 D63S4
0.52	1750	2658	27300	1.70	BRF 97 R57 D63S4
0.61	1440	2245	27700	2.1	
0.68	1280	2016	27900	2.3	
0.80	1180	1733	28100	2.6	
0.45	2020	3065	26300	1.50	
0.51	1790	2722	27100	1.65	
0.60	1510	2311	27800	2.0	
0.68	1380	2078	27800	2.2	BR 97 R57 D63S4
0.76	1170	1823	28100	2.5	BRF 97 R57 D63S4
0.87	1020	1683	28200	3.0	
0.99	860	1396	28300	3.5	
1.1	740	1228	28400	4.1	
0.48	1740	2873	15500	0.90	BR 87 R57 D63S4
0.70	1260	1961	18700	1.25	BRF 87 R57 D63S4
0.50	1850	2770	10700	0.85	
0.53	1730	2595	16000	0.90	
0.65	1390	2129	18000	1.10	BR 87 R57 D63S4
0.72	1240	1930	18800	1.25	BRF 87 R57 D63S4
0.80	1100	1733	19400	1.40	
0.79	1090	1737	19500	1.40	
0.91	960	1524	20000	1.60	
1.1	775	1303	20000	2.0	
1.2	680	1143	20000	2.3	BR 87 R57 D63S4
1.6	555	885	20000	2.8	BRF 87 R57 D63S4
1.8	485	775	20000	3.2	
2.0	430	685	20000	3.6	
2.3	345	599	20000	4.5	
0.97	950	1430	8220	0.85	
1.1	900	1303	9080	0.90	
1.2	770	1124	10400	1.05	BR 77 R37 D63S4
1.3	715	1047	10800	1.15	BRF 77 R37 D63S4
1.5	615	915	11500	1.35	
0.99	940	1394	8660	0.85	
1.1	785	1218	10200	1.05	
1.3	710	1084	10800	1.15	
1.5	635	940	11400	1.30	BR 77 R37 D63S4
1.7	505	821	12000	1.60	BRF 77 R37 D63S4
1.9	460	731	12300	1.80	
2.1	440	646	12300	1.85	
2.7	365	520	12600	2.3	
3.1	310	451	12800	2.6	BR 77 R37 D63S4
3.3	290	422	12800	2.8	BRF 77 R37 D63S4
3.8	245	365	12900	3.3	
1.4	655	956	5950	0.90	
1.6	605	891	7480	1.00	
1.9	490	730	8670	1.20	BR 67 R37 D63S4
2.1	425	644	9150	1.40	BRF 67 R37 D63S4
2.4	375	571	9490	1.60	
2.8	315	486	9820	1.90	
1.6	565	836	7980	1.00	
1.8	475	750	8790	1.25	
2.1	420	648	9190	1.40	BR 67 R37 D63S4
2.4	380	574	9450	1.55	BRF 67 R37 D63S4
2.8	330	495	9740	1.80	
3.2	275	438	9990	2.2	
1.8	525	782	5710	0.85	
2.0	440	678	7160	1.05	
2.3	385	604	7330	1.15	
2.6	360	537	7460	1.25	BR 67 R37 D63S4
2.9	315	471	7590	1.45	BRF 67 R37 D63S4
3.9	235	357	7790	1.95	
4.3	205	319	7840	2.2	
9.8	245	358	7760	1.80	
4.3	225	324	7810	2.0	
4.8	196	290	7860	2.3	BR 67 R37 D63S4
5.3	177	262	7890	2.5	BRF 67 R37 D63S4
5.6	164	246	7910	2.8	
6.3	144	220	7940	3.1	
2.4	375	572	2500	0.80	
2.7	330	510	5140	0.90	BR 47 R37 D63S4
3.2	275	436	5540	1.10	BRF 47 R37 D63S4
3.4	255	408	5630	1.15	
4.0	210	344	5810	1.40	
2.8	355	502	3780	0.85	
3.2	300	429	5430	1.00	
3.7	255	372	5640	1.15	
4.0	240	348	5710	1.25	BR 47 R37 D63S4
4.6	205	301	5840	1.50	BRF 47 R37 D63S4
5.4	169	255	5850	1.75	
6.1	150	228	6000	2.0	
7.1	125	195	6050	2.4	
4.1	220	338	4700	0.90	
4.7	205	296	4910	1.00	
5.3	178	259	5220	1.15	BR 37 R17 D63S4
6.1	155	228	5420	1.30	BRF 37 R17 D63S4
6.9	134	199	5600	1.50	
8.0	117	172	5720	1.70	
4.2	230	328	4550	0.90	
4.8	197	289	4990	1.00	
5.2	184	265	5130	1.10	BR 37 R17 D63S4
6.1	161	225	5470	1.35	BRF 37 R17 D63S4
6.8	138	202	5570	1.45	
7.7	120	179	5700	1.65	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许过载 Permitted overhung load F_{a1} [N]	使用系数 Service factor f_s	型号 Model
0.12kW					
6.0	152	229	4130	0.85	BR BRF 27 R17 D63S4
6.9	132	200	4220	1.00	
7.8	116	177	4290	1.10	
8.3	111	166	4310	1.15	
6.1	151	227	4100	0.85	BR BRF 27 R17 D63S4
6.8	138	203	4200	0.95	
7.7	121	179	4260	1.10	
8.8	102	156	4350	1.25	
4.6	250	195.24	12900	3.3	BR BRF 77 D63M6
5.4	210	166.59	13000	3.9	
6.2	186	145.67	13000	4.4	
4.5	255	199.81	10100	2.4	BR BRF 67 D63M6
4.9	235	184.07	10100	2.8	
5.7	200	158.14	10300	3.0	
6.6	175	137.67	10300	3.4	
7.6	164	128.97	10400	3.7	BR BRF 67 D63S4
7.9	145	113.94	10400	4.1	
6.9	166	199.81	10300	3.6	
7.5	153	184.07	10400	3.9	BR BRF 57 D63S4
4.8	240	166.89	7780	1.90	
5.2	220	172.17	7820	2.0	
6.1	188	147.92	7870	2.4	
7.0	164	128.77	7910	2.7	BR BRF 57 D63M6
7.5	154	120.63	7920	2.9	
8.4	136	106.58	7950	3.3	
9.1	126	98.99	7960	3.6	
7.4	155	166.89	7920	2.9	BR BRF 57 D63S4
8.0	143	172.17	7940	3.2	
9.3	123	147.92	7980	3.7	
11	107	128.77	7980	4.2	
5.1	225	176.88	5760	1.35	BR BRF 47 D63M6
5.5	210	162.94	5830	1.45	
6.4	178	138.89	5920	1.70	
7.4	155	121.87	5980	1.95	
7.8	147	176.88	6000	2.0	BR BRF 47 D63S4
8.5	135	162.94	6030	2.2	
9.6	116	138.99	6070	2.6	
11	101	121.87	6100	3.0	
12	95	114.17	6110	3.2	
14	84	100.86	6120	3.6	
15	78	93.66	6130	3.9	
8.7	172	134.82	5270	1.18	BR BRF 37 D63M6
7.3	157	123.66	5410	1.25	
8.6	134	105.28	5600	1.50	
9.9	116	90.77	5730	1.75	
11	108	84.61	5770	1.85	
12	94	73.96	5850	2.1	
10	112	134.82	5750	1.80	BR BRF 37 D63S4
11	103	123.66	5800	1.95	
13	87	105.28	5880	2.3	
15	75	90.77	5930	2.7	
18	70	84.61	5950	2.8	
19	61	73.96	5980	3.3	
7.3	158	123.91	4090	0.80	BR BRF 27 D63M6
8.5	134	105.49	4210	0.95	
9.9	118	90.96	4300	1.10	
11	108	84.78	4330	1.20	
12	94	74.11	4370	1.40	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model					
0.12kW										
10	112	135.09	4310	1.15	BR BRF	27	D63S4 D63S4			
11	103	123.91	4340	1.25						
13	88	105.49	4390	1.50						
15	76	90.98	4430	1.70						
18	70	84.78	4440	1.85						
19	62	74.11	4480	2.1						
20	58	69.47	4470	2.2						
23	51	61.30	4400	2.5						
25	46	55.87	4280	2.8						
29	40	48.17	4090	3.2						
31	37	44.90	4000	3.5						
11	104	81.64	300	0.80	BR BRF	17	D63M6 D63M6			
13	90	70.39	1470	0.95						
14	84	66.61	1880	1.00						
16	73	57.35	2430	1.15						
17	68	53.76	2500	1.25						
19	60	47.44	2500	1.40						
17	68	81.64	2500	1.25	BR BRF	17	D63S4 D63S4			
20	58	70.39	2500	1.45						
21	55	66.61	2500	1.55						
24	48	57.35	2500	1.80						
26	45	53.76	2500	1.90						
29	39	47.44	2500	2.2						
31	37	44.18	2500	2.3						
36	32	38.61	2430	2.7						
38	30	36.20	2390	2.8						
43	27	31.94	2310	3.2						
49	24	26.32	2230	3.6						
57	20	24.07	2130	4.2						
55	21	25.23	2180	4.1	BR BRF	17	D63S4 D63S4			
60	19	23.15	2110	4.4						
70	16	19.71	2010	5.2						
81	14	16.99	1920	6.0						
87	13	15.84	1880	6.4						
100	12	13.84	1810	7.4						
108	11	12.98	1770	7.9						
121	9.5	11.45	1710	8.5						
136	8.4	10.15	1640	9.2						
160	7.2	8.63	1580	10						
183	6.3	7.55	1490	8.9						
198	5.8	7.04	1460	9.5						
224	5.1	6.15	1400	11	BRX BRXF	67	D63S4 D63S4			
239	4.8	5.76	1370	11						
271	4.2	5.08	1320	12						
308	3.7	4.51	1270	13						
360	3.2	3.83	1200	14						
227	5.0	8.07	4270	8.8	BRX BRXF	67	D63S4 D63S4			
267	4.3	5.18	4050	17						
305	3.8	4.53	3870	22						
321	3.6	4.30	3810	22						
251	4.8	5.50	3380	8.5	BRX BRXF	57	D63S4 D63S4			
272	4.2	5.07	3270	8.8						
317	3.6	4.36	3120	19						
364	3.1	3.78	2980	22						
389	2.9	3.55	2910	24						
440	2.6	3.14	2800	25						
474	2.4	2.91	2730	28						
523	2.2	2.64	2640	31						
582	2.0	2.37	2550	35						
678	1.7	2.04	2430	41						
719	1.6	1.92	2380	43						
835	1.4	1.66	2260	49						
0.18kW										
0.09	15500	14075	43800	0.85				BR BRF	147R77	D63M4 D63M4
0.11	12900	12344	62800	1.00						
0.12	11600	11143	65300	1.10						
0.14	10200	9743	67500	1.25						

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许过载 Permitted overhung load F_{a1} [N]	使用系数 Service factor f_s	型号 Model
0.18kW					
0.16	8590	8443	89600	1.50	BR BRF 147 R77 D63M4
0.18	7430	7307	70300	1.75	
0.20	6560	6447	71700	2.0	
0.24	5660	5568	72500	2.3	
0.27	5120	4928	72900	2.5	
0.31	4430	4325	73300	2.9	
0.35	3900	3754	73600	3.3	
0.40	3380	3362	73800	3.8	
0.15	8930	8784	49900	0.90	BR BRF 137 R77 D63M4
0.18	7490	7479	54400	1.05	
0.20	6880	6559	55600	1.15	
0.23	5840	5834	57300	1.35	BR BRF 137 R77 D63M4
0.26	5370	5118	57900	1.50	
0.30	4540	4464	58900	1.75	
0.34	4000	3928	59500	2.0	
0.28	5260	4769	58100	1.50	BR BRF 137 R77 D63M4
0.33	4450	4618	59000	1.80	
0.38	3850	3514	59500	2.1	
0.40	3840	3338	59800	2.2	
0.45	3160	2929	60200	2.5	
0.30	4510	4435	28300	0.95	BR BRF 107 R77 D63M4
0.34	3890	3896	31100	1.10	
0.43	3190	3039	34300	1.38	
0.34	4380	3918	29000	1.00	BR BRF 107 R77 D63M4
0.39	3700	3343	32400	1.15	
0.44	3360	3034	33700	1.30	
0.50	2910	2653	35200	1.50	
0.58	2500	2280	36200	1.70	
0.64	2200	2067	36500	1.85	
0.66	2050	1987	36700	2.1	BR BRF 107 R77 D63M4
0.72	1840	1827	36900	2.3	
0.83	1580	1599	37200	2.7	
0.94	1410	1400	37300	3.1	
1.1	1210	1226	37400	3.6	
0.49	2920	2668	21500	1.05	BR BRF 97 R57 D63M4
0.59	2420	2245	24500	1.25	
0.66	2160	2015	25700	1.40	
0.76	1920	1733	26700	1.55	
0.81	1790	1623	27200	1.70	
0.92	1570	1434	27600	1.90	
1.1	1360	1207	27900	2.3	
1.2	1160	1084	28100	2.8	
1.4	990	934	28200	3.0	
1.5	920	878	28300	3.2	
1.8	786	755	28400	3.8	
0.49	2880	2722	20400	1.00	BR BRF 97 R57 D63M4
0.57	2520	2311	24000	1.20	
0.64	2270	2078	25200	1.30	
0.76	1850	1733	10800	0.85	BR BRF 87 R57 D63M4
0.89	1660	1488	16200	0.95	
0.95	1540	1395	17000	1.00	
1.1	1360	1232	18200	1.15	
1.1	1250	1145	18700	1.25	
1.3	1120	1037	19300	1.40	
1.4	1060	931	19800	1.55	
1.6	850	802	20000	1.85	
0.76	1850	1737	11200	0.85	BR BRF 87 R57 D63M4
0.87	1620	1524	16400	0.95	
1.0	1350	1303	18200	1.15	
1.2	1180	1143	19100	1.30	
1.5	940	885	20000	1.65	
1.7	830	776	20000	1.90	
1.5	950	858	8100	0.85	BR BRF 77 R37 D63M4
1.7	830	757	9800	1.00	
2.0	735	671	10700	1.10	
2.3	620	571	11400	1.38	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.18kW					
4.3	395	199.81	9370	1.50	BR 67 D63L6 BRF 67 D63L6
4.7	365	184.07	9560	1.65	
5.6	310	158.14	9830	1.90	
6.0	270	137.67	10000	2.2	
6.8	255	128.97	10100	2.3	
7.6	225	113.94	10200	2.7	
8.2	210	105.83	10200	2.9	
9.1	190	95.91	10300	3.2	
10	170	86.11	10300	3.5	
12	147	74.17	10400	4.1	
12	138	69.75	10400	4.3	
6.6	260	119.81	10100	2.3	BR 67 D63M4 BRF 67 D63M4
7.2	240	104.07	10100	2.5	
8.4	205	158.14	10200	2.9	
9.6	179	137.67	10300	3.3	
10	168	128.97	10300	3.6	
12	148	113.94	10400	4.0	
12	138	105.83	10400	4.3	
4.7	370	186.89	7420	1.20	BR 57 D63L6 BRF 57 D63L6
5.1	340	172.17	7510	1.30	
5.9	290	147.92	7650	1.55	
6.8	255	128.77	7740	1.75	
7.2	240	120.63	7780	1.90	
7.1	245	186.89	7770	1.85	
7.7	225	172.17	7810	2.0	BR 57 D63M4 BRF 57 D63M4
8.9	193	147.92	7870	2.3	
10	168	128.77	7900	2.7	
11	157	120.83	7920	2.9	
12	139	106.58	7940	3.2	
13	129	98.99	7950	3.5	
15	117	89.71	7970	3.8	
7.5	230	178.88	5740	1.30	BR 47 D63M4 BRF 47 D63M4
8.1	210	162.94	5810	1.40	
9.4	182	139.99	5910	1.65	
11	159	121.87	5980	1.90	
12	149	114.17	6060	2.0	
13	131	108.88	6040	2.3	
14	122	93.68	6060	2.5	
16	111	84.90	6080	2.7	
17	98	76.23	6100	3.0	
7.0	245	123.66	3060	0.80	BR 37 D63L6 BRF 37 D63L6
8.3	210	105.28	4840	0.95	
9.6	179	90.77	5190	1.10	
10	167	84.61	5310	1.20	
9.8	178	134.82	5230	1.15	BR 37 D63M4 BRF 37 D63M4
11	161	123.66	5370	1.25	
13	137	105.28	5580	1.45	
15	118	90.77	5710	1.70	
16	110	84.61	5760	1.80	
18	96	73.96	5840	2.1	
19	90	69.33	5870	2.2	
22	80	61.18	5920	2.5	
24	73	55.76	5940	2.8	
27	63	48.08	5960	3.2	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.18kW					
11	161	123.91	4070	0.80	BR 27 D63M4 BRF 27 D63M4
13	137	105.49	4200	0.95	
15	118	90.98	4280	1.10	
16	110	84.78	4320	1.20	
18	97	74.11	4370	1.35	
19	91	69.47	4380	1.45	
22	80	61.30	4320	1.65	
24	73	55.87	4210	1.80	
27	63	48.17	4040	2.1	
29	59	44.90	3980	2.2	
34	51	39.25	3810	2.5	
36	48	36.79	3740	2.7	
41	42	32.47	3810	3.1	
46	38	28.78	3480	3.5	
54	32	24.47	3310	4.1	
4.7	37	28.37	3470	3.5	BR 27 D63M4 BRF 27 D63M4
5.1	34	26.05	3380	3.8	
5.9	29	22.32	3220	4.5	
6.8	25	19.35	3090	5.2	
7.3	24	18.08	3020	5.5	
8.4	20	15.63	2890	6.4	
9.9	17	13.28	2750	7.5	
18	106	81.64	1046	0.80	BR 17 D63M4 BRF 17 D63M4
19	92	70.39	1330	0.95	
20	85	65.81	1740	1.00	
23	75	57.35	2350	1.15	
25	70	53.76	2500	1.20	
28	62	47.44	2450	1.40	
30	58	44.18	2410	1.50	
34	50	38.81	2340	1.70	
36	47	36.20	2300	1.80	
41	42	31.84	2240	2.0	
47	37	28.32	2170	2.3	
55	31	24.07	2080	2.7	
34	50	25.23	2330	1.70	BR 17 D63L6 BRF 17 D63L6
38	48	23.15	2290	1.85	
44	39	19.71	2200	2.2	
52	33	25.23	2110	2.6	
57	30	23.15	2060	2.8	BR 17 D63M4 BRF 17 D63M4
67	26	19.71	1870	3.3	
78	22	16.99	1890	3.8	
83	21	15.84	1860	4.1	
95	18	13.84	1790	4.7	
102	17	12.88	1760	5.0	
115	15	11.45	1690	5.4	
130	13	10.15	1640	5.8	
153	11	8.83	1560	6.4	
176	9.8	7.55	1480	6.7	
186	9.2	7.04	1450	6.0	
215	8.0	6.15	1390	6.8	
229	7.5	5.76	1370	7.1	
259	6.8	5.09	1320	7.7	
293	5.9	4.51	1270	8.1	
344	5.0	3.83	1210	9.0	
268	6.4	10.15	1310	12	BR 17 D63S2 BRF 17 D63S2
315	5.5	8.83	1250	13	
360	4.8	7.55	1190	12	
387	4.4	7.04	1160	13	
442	3.9	6.15	1120	14	
472	3.6	5.76	1090	15	
535	3.2	5.09	1050	16	
603	2.8	4.51	1010	17	
710	2.4	3.83	960	19	
143	12	8.07	4940	3.8	BRX 67 D63L6 BRXF 67 D63L6
168	10	5.18	4690	7.3	
192	8.9	4.53	4490	9.2	
202	8.5	4.30	4410	9.4	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model		
0.18kW							
218	7.9	8.07	4310	5.4	BRX BRXF	67	D63M4 D63M4
255	6.7	5.18	4090	11			
282	5.9	4.53	3820	14			
307	5.6	4.30	3850	14			
350	4.9	3.77	3690	18			
413	4.2	3.20	3500	24			
457	3.8	2.89	3380	28			
519	3.3	2.54	3240	36			
550	3.1	2.40	3180	40			
646	2.7	2.04	3020	50			
158	11	5.50	3880	3.6	BRX BRXF	57	D63L6 D63L6
172	10	5.07	3780	3.8			
200	8.8	4.35	3600	7.9			
230	7.5	3.79	3440	9.2			
240	7.2	5.50	3400	5.4	BRX BRXF	57	D63M4 D63M4
261	6.6	5.07	3310	5.4			
303	5.7	4.35	3150	12			
348	4.9	3.79	3010	14			
372	4.6	3.55	2950	15			
421	4.1	3.14	2830	16			
453	3.8	2.91	2760	18			
500	3.4	2.64	2670	20			
557	3.1	2.37	2580	22			
647	2.7	2.04	2460	26			
688	2.5	1.92	2410	28			
799	2.2	1.85	2290	31			
0.25kW							
0.13	15000	9743	50700	0.85	BR BRF	147	R77 D63L4 R77 D63L4
0.15	12700	8443	63200	1.00			
0.18	11000	7307	66300	1.20			
0.20	9700	6447	68200	1.35			
0.23	8380	5568	69900	1.55			
0.26	7520	4826	70800	1.75			
0.30	6540	4325	71800	2.0			
0.35	5730	3754	72400	2.3			
0.39	4990	3302	73000	2.6			
0.45	4360	2898	73300	3.0			
0.22	8680	5834	51000	0.90	BR BRF	137	R77 D63L4 R77 D63L4
0.25	7660	5116	53700	1.00			
0.29	6720	4464	55900	1.20			
0.33	5910	3928	57200	1.35			
0.28	7600	4709	54200	1.06	BR BRF	137	R77 D63L4 R77 D63L4
0.32	6440	4019	56300	1.25			
0.37	5590	3514	57600	1.45			
0.39	5290	3338	58000	1.50			
0.44	4810	2929	58900	1.75			
0.49	4090	2658	59400	1.95			
0.54	3710	2412	59800	2.2	BR BRF	137	R77 D63L4 R77 D63L4
0.63	3190	2073	60200	2.5			
0.71	2760	1839	60500	2.9			
0.83	2130	1397	60900	3.8			
1.1	1850	1228	61000	4.3			
0.43	4670	3039	27300	0.90	BR BRF	107	R77 D63L4 R77 D63L4
0.43	4660	3034	26600	0.90			
0.65	3030	1987	34800	1.40	BR BRF	107	R77 D63L4 R77 D63L4
0.71	2740	1827	35700	1.55			
0.81	2370	1599	36300	1.80			
0.93	2100	1400	36700	2.0			
1.1	1810	1226	37000	2.4			
1.4	1410	938	37300	3.0			
1.8	1220	822	37400	3.5			
0.84	3180	2018	12400	0.85	BR BRF	97	R57 D63L4 R57 D63L4
0.75	2780	1733	22500	1.10			
0.80	2590	1623	23600	1.15			
0.80	2590	1623	23600	1.15			

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N · m]	传动 比 Ratio i	允许 负载 Permitted overload load F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
0.71	2870	1823	21800	1.05	BR 97 R57 D63L
0.82	2490	1583	24100	1.20	
0.93	2100	1386	25700	1.40	
1.1	1880	1228	26800	1.60	
1.2	1700	1089	27400	1.75	
1.4	1480	938	27700	2.0	
1.6	1260	824	27900	2.4	
1.8	1130	737	28100	2.7	
2.1	970	632	28300	3.1	
1.1	1810	1145	13800	0.85	BR 87 R57 D63L
1.2	1690	1037	15300	0.95	
1.4	1460	931	17800	1.05	
1.6	1250	802	18700	1.25	
1.1	1750	1143	15400	0.90	BR 87 R57 D63L
1.5	1380	885	18000	1.10	
1.7	1210	778	18900	1.30	
1.9	1070	685	19600	1.45	
2.2	900	599	20000	1.70	
2.5	795	525	20000	1.95	
2.8	695	456	20000	2.2	
4.9	405	268	20000	3.8	
2.3	900	571	9110	0.90	BR 77 R37 D63L
2.3	900	580	9110	0.90	BR 77 R37 D63L
2.7	775	488	10300	1.05	
3.0	690	436	11000	1.20	
3.5	590	373	11600	1.40	
4.0	520	327	12000	1.60	
4.5	460	289	12300	1.80	
5.0	410	260	12400	2.0	
5.8	345	224	12700	2.4	
3.3	605	388	7490	1.00	BR 67 R37 D63L
3.8	550	344	8120	1.10	
4.4	455	294	8950	1.30	
5.0	410	261	9260	1.45	
5.6	370	234	9520	1.60	
6.5	315	200	9820	1.80	
7.4	270	178	10000	2.2	
8.2	245	158	10100	2.5	
3.4	630	384	7220	0.95	BR 67 R37 D63L
3.6	585	359	7730	1.05	
4.2	505	310	8560	1.20	
4.9	425	264	9180	1.40	
5.5	375	235	9480	1.60	
6.5	320	201	9790	1.90	
7.2	290	181	9940	2.1	
4.1	505	319	8590	0.90	BR 57 R37 D63L
4.8	425	273	7200	1.05	
5.4	375	241	7410	1.20	
6.1	335	215	7540	1.35	
6.9	295	187	7650	1.55	
7.9	255	164	7740	1.75	
9.2	220	142	7810	2.0	
4.0	530	324	5580	0.85	BR 57 R37 D63L
4.5	470	290	7010	0.95	
5.0	425	262	7210	1.05	
5.3	395	246	7320	1.15	
5.9	355	220	7470	1.30	
5.7	365	228	3070	0.80	BR 47 R37 D63L
6.7	310	195	5370	0.95	
7.1	290	182	5480	1.05	
8.5	240	154	5760	1.25	
8.7	240	150	3420	0.85	BR 37 R17 D63L
10	205	130	4870	0.95	
10	195	124	5060	1.00	
12	174	110	5250	1.15	
14	148	94	5490	1.35	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
8.4	250	158	2350	0.80	BR BRF
9.7	215	135	4740	0.95	
10	210	127	4840	0.95	
13	169	104	5290	1.20	
14	148	90	5500	1.35	
2.3	1020	289.74	28200	3.0	BR BRF
2.7	900	255.71	29300	3.3	
2.8	850	241.25	28400	3.5	
3.1	760	216.28	29400	4.0	
2.8	870	248.54	20000	1.80	BR BRF
3.1	780	218.54	20000	2.0	
3.3	720	205.71	20000	2.2	
3.7	640	181.77	20000	2.4	
4.1	585	168.89	11600	1.40	BR BRF
4.7	510	145.67	12000	1.60	
4.9	485	138.39	12100	1.70	
5.6	425	121.42	12400	1.80	
4.5	530	195.24	11900	1.55	BR BRF
5.3	450	166.59	12300	1.80	
6.0	395	145.67	12500	2.1	
6.7	360	195.24	12600	2.3	BR BRF
7.8	305	166.59	12800	2.7	
8.9	270	145.67	12900	3.1	
9.4	255	138.39	12900	3.2	
11	225	121.42	13000	3.7	
4.3	555	158.14	8060	1.10	BR BRF
4.9	485	137.67	8730	1.25	
5.3	455	128.97	8970	1.35	
6.0	400	113.94	9340	1.50	
4.4	540	199.81	8190	1.10	
4.8	500	184.07	8580	1.20	BR BRF
5.8	430	158.14	9140	1.40	
6.4	375	137.67	9500	1.60	
6.8	350	128.97	9630	1.70	
7.7	310	113.94	9840	1.95	
8.3	285	105.83	9940	2.1	BR BRF
6.5	385	199.81	9540	1.65	
7.1	340	184.07	9700	1.80	
8.2	290	158.14	9930	2.1	
9.4	255	137.67	10100	2.4	
10	235	128.94	10100	2.5	BR BRF
11	210	113.94	10200	2.8	
12	194	105.83	10300	3.1	
14	178	95.91	10300	3.4	
15	158	88.11	10400	3.8	
4.7	505	186.89	6450	0.90	BR BRF
5.1	485	172.17	7030	0.95	
5.9	400	147.92	7300	1.10	
6.8	350	128.77	7480	1.30	
7.3	325	120.63	7550	1.35	
8.3	290	106.58	7860	1.55	BR BRF
8.9	270	98.99	7710	1.70	
7.0	345	186.89	7500	1.30	
7.6	315	172.17	7590	1.40	
8.8	270	147.92	7700	1.65	
10	235	128.77	7780	1.80	BR BRF
11	220	120.63	7810	2.0	
12	198	106.58	7860	2.3	
13	182	98.99	7880	2.5	
14	165	89.71	7910	2.7	
16	148	80.56	7930	3.0	BR BRF
19	127	69.23	7960	3.5	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
7.3	325	178.88	5280	0.90	BR BRF
8.0	306	162.94	5420	1.00	
9.3	255	139.99	5630	1.15	
11	225	121.87	5770	1.35	
11	210	114.17	5820	1.45	
13	185	100.88	5900	1.60	BR BRF
14	172	93.68	5940	1.70	
15	158	84.90	5980	1.90	
17	140	76.23	6020	2.1	
19	126	68.54	6050	2.4	
20	118	64.21	6070	2.5	BR BRF
23	104	56.73	6090	2.8	
25	97	52.69	6100	3.1	
27	88	47.75	6080	3.4	
9.6	250	134.82	2630	0.80	BR BRF
11	225	123.66	4560	0.90	
12	193	105.28	5030	1.05	
14	167	90.77	5320	1.20	
15	155	84.61	5420	1.30	
18	136	73.98	5590	1.45	BR BRF
19	127	69.33	5650	1.55	
21	112	61.18	5750	1.80	
23	102	56.76	5800	1.95	
27	88	48.08	5870	2.3	
29	82	44.81	5760	2.4	BR BRF
33	72	39.17	5540	2.8	
35	67	36.72	5430	3.0	
40	60	32.40	5230	3.4	
15	156	84.78	4100	0.85	BR BRF
18	136	74.11	4210	0.95	
19	128	69.47	4250	1.00	
21	113	61.30	4190	1.15	
23	103	55.87	4090	1.25	
27	89	48.17	3940	1.45	BR BRF
29	83	44.90	3870	1.60	
33	72	39.25	3730	1.80	
35	68	36.78	3670	1.90	
40	60	32.47	3540	2.2	
45	53	28.78	3420	2.5	BR BRF
53	45	24.47	3270	2.9	
46	52	28.37	3410	2.5	BR BRF
50	48	26.09	3330	2.7	
58	41	22.32	3180	3.2	
67	36	19.35	3050	3.7	
72	33	18.08	2990	3.9	
83	29	15.63	2860	4.5	BR BRF
98	24	13.28	2730	5.3	
110	22	11.86	2630	5.9	
128	19	10.13	2510	6.8	
138	17	9.41	2440	7.1	
159	15	8.16	2330	7.7	BR BRF
170	14	7.63	2290	8.0	
197	12	6.59	2180	8.8	
232	10	5.60	2080	9.6	
260	9.2	5.00	2000	10	
304	7.8	4.27	1910	11	BR BRF
325	7.3	4.00	1870	12	
386	6.2	3.37	1770	13	
23	105	57.35	158	0.80	BR BRF
24	99	53.76	785	0.85	
27	87	47.44	1630	1.00	
29	81	44.18	2000	1.05	
34	71	38.61	2200	1.20	
36	67	36.20	2180	1.30	BR BRF
41	59	31.84	2130	1.45	
46	52	28.32	2070	1.65	
54	44	24.07	2000	1.90	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model		
0.25kW							
52	48	25.23	2020	1.85	BR BRF	17	D63L4 D63L4
56	43	23.15	1980	2.0			
66	38	19.71	1910	2.3			
77	31	18.99	1840	2.7			
82	29	15.84	1810	2.9			
94	25	13.84	1750	3.3	BR BRF	17	D63L4 D63L4
100	24	12.98	1720	3.6			
114	21	11.45	1660	3.9			
128	19	10.15	1600	4.1			
151	16	8.63	1530	4.6			
172	14	7.55	1450	4.0	BR BRF	17	D63M D63M
185	13	7.04	1420	4.3			
211	11	6.15	1370	4.8			
226	11	5.78	1350	5.0			
258	9.3	5.09	1300	5.5			
288	8.3	4.51	1250	5.8	BR BRF	17	D63M D63M
339	7.0	3.83	1190	6.4			
433	5.5	6.15	1110	9.8			
461	5.2	5.76	1090	10			
523	4.6	5.09	1050	11			
580	4.0	4.51	1010	12	BR BRF	17	D63M D63M
694	3.4	3.83	960	13			
145	17	8.07	4890	2.8	BRX BRXF	67	D7106 D7106
170	14	5.18	4650	5.4			
194	12	4.63	4450	6.7			
205	12	4.30	4380	6.8			
214	11	6.07	4310	3.9			
251	9.5	5.18	4100	7.9	BRX BRXF	67	D63L4 D63L4
287	8.3	4.63	3920	9.9			
302	7.9	4.30	3860	10			
345	6.8	3.77	3700	13			
406	5.9	3.20	3500	17			
450	5.3	2.89	3390	20	BRX BRXF	67	D63L4 D63L4
511	4.7	2.54	3250	25			
542	4.4	2.40	3190	28			
638	3.8	2.04	3020	35			
160	15	5.50	3840	2.5	BRX BRXF	57	D7106 D7106
174	14	5.07	3740	2.6			
202	12	4.35	3560	5.8			
232	10	3.79	3410	6.7			
236	10	5.60	3390	3.9	BRX BRXF	57	D63L4 D63L4
257	9.3	5.07	3300	3.9			
299	8.0	4.35	3150	8.5			
343	7.0	3.79	3010	9.9			
388	6.8	3.55	2950	11			
414	5.8	3.14	2830	11	BRX BRXF	57	D63L4 D63L4
448	5.3	2.91	2760	13			
492	4.8	2.64	2680	14			
548	4.4	2.37	2580	16			
637	3.7	2.04	2460	19			
677	3.5	1.92	2410	20	BR BRF	147 R77 147 R77	D7104 D7104
787	3.0	1.65	2300	23			
0.37kW							
0.19	15800	7307	39008	0.80	BR BRF	147 R77 147 R77	D7104 D7104
0.21	14000	8447	60600	0.95			
0.25	12100	5588	84400	1.10			
0.28	10800	4926	66600	1.20			
0.32	9400	4325	58600	1.40			
0.37	8210	3754	70100	1.60	BR BRF	147 R77 147 R77	D7104 D7104
0.42	7180	3302	71200	1.80			
0.48	6280	2898	72000	2.1			
0.31	9670	4464	40700	0.85	BR BRF	137 R77 137 R77	D7104 D7104
0.35	8510	3828	51800	0.85			
0.34	9140	4018	48900	0.90			
0.39	7950	3514	43500	1.00	BR BRF	137 R77 137 R77	D7104 D7104
0.41	7540	3338	54300	1.05			
0.47	6580	2929	56100	1.20			
0.56	5540	2484	57700	1.45			
0.62	4980	2242	58400	1.60			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload $F_{0.1}$ [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
3.1	1140	289.74	28100	2.6	BR BRF 97 D80K6
3.5	1000	255.71	28200	3.0	
3.7	950	241.25	28300	3.2	
4.2	850	218.28	28400	3.5	
3.1	1130	215.54	19300	1.40	BR BRF 87 D90S8
3.3	1070	205.71	19800	1.45	
3.7	940	181.77	20000	1.65	
3.7	970	246.54	20000	1.60	BR BRF 87 D80K6
4.2	850	216.54	20000	1.80	
4.4	810	205.71	20000	1.90	
4.9	715	181.77	20000	2.2	
5.8	610	165.34	20000	2.5	
6.3	580	142.41	20000	2.8	
4.7	755	145.67	10500	1.10	BR BRF 77 D90S8
4.9	720	138.39	10800	1.15	
5.6	630	121.42	11400	1.30	
5.4	655	166.59	11200	1.25	BR BRF 77 D80K6
6.2	570	145.67	11700	1.45	
6.5	545	138.39	11800	1.50	
7.1	500	195.24	12100	1.85	BR BRF 77 D71D4
8.3	425	166.59	12400	1.90	
9.6	375	145.67	12600	2.2	
10	355	138.39	12600	2.3	
11	310	121.42	12800	2.6	
13	265	102.99	12900	3.1	
15	240	92.97	12900	3.5	
5.7	620	158.14	7300	0.95	BR BRF 67 D80K6
6.5	540	137.87	8210	1.10	
7.0	505	128.97	8530	1.20	
7.9	445	113.94	9010	1.35	
6.8	510	198.81	8480	1.15	BR BRF 67 D71D4
7.5	470	184.07	8820	1.25	
8.7	405	158.14	9310	1.50	
10	355	137.67	9620	1.70	
11	330	128.97	9740	1.80	
12	290	113.94	9920	2.1	
13	270	105.83	10000	2.2	
14	245	95.91	10100	2.4	
16	220	86.11	10200	2.7	
19	190	74.17	10300	3.2	
20	179	69.75	10300	3.4	
23	157	61.26	10400	3.8	
24	146	56.89	10400	4.1	
7.0	505	128.77	8510	0.90	BR BRF 57 D80K6
7.5	475	120.63	7000	0.95	
8.4	420	106.58	7240	1.10	
9.1	390	98.99	7350	1.15	
7.4	480	186.89	6980	0.95	BR BRF 57 D71D4
8.0	440	172.17	7140	1.00	
9.3	380	147.92	7390	1.20	
11	330	128.77	7550	1.35	
11	310	120.63	7610	1.45	
13	275	106.58	7700	1.65	
14	255	98.99	7750	1.80	
15	230	89.71	7800	1.95	
17	205	80.56	7840	2.2	
20	177	69.23	7890	2.5	
21	168	64.85	7910	2.7	
24	147	57.29	7760	3.1	
26	136	53.22	7500	3.3	
29	124	48.23	7380	3.6	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload $F_{0.1}$ [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
9.9	380	139.99	3490	0.85	BR BRF 47 D71D4
11	310	121.87	5350	0.85	
12	290	114.17	5460	1.05	
14	260	109.88	5630	1.15	
15	240	93.68	5700	1.25	
16	215	84.90	5790	1.40	
18	195	76.23	5870	1.55	
20	176	68.54	5930	1.70	
21	164	64.21	5960	1.80	
24	145	58.73	6010	2.1	
26	135	52.69	5990	2.2	
29	122	47.75	5820	2.5	
32	110	42.87	5650	2.7	
37	95	36.93	5410	3.2	
40	89	34.73	5310	3.4	
41	87	33.79	5270	2.8	BR BRF 47 D71D4
44	80	31.12	5150	2.8	
52	69	26.74	4920	4.4	
59	60	23.28	4720	5.0	
63	55	21.81	4620	5.4	BR BRF 47 D71D4
15	230	90.77	4250	0.85	
16	215	84.61	4720	0.90	
19	189	73.96	5070	1.05	BR BRF 47 D71D4
20	178	69.33	5210	1.15	
23	157	61.18	5410	1.30	
25	143	55.76	5530	1.40	
29	123	48.08	5590	1.60	
31	115	44.81	5480	1.75	
35	100	39.17	5290	2.0	BR BRF 37 D71D4
38	94	36.72	5190	2.1	
43	83	32.40	5010	2.4	
48	74	26.73	4850	2.7	
57	63	24.42	4620	3.2	BR BRF 37 D71D4
49	73	27.32	4830	2.8	
53	67	26.03	4710	2.8	
62	57	22.27	4500	3.5	
71	49	19.31	4320	4.1	
75	45	18.05	4230	4.3	
89	40	15.60	4090	5.0	BR BRF 37 D71D4
104	34	13.25	3850	5.6	
117	30	11.83	3720	6.0	
23	157	61.30	3870	0.85	BR BRF 27 D71D4
25	143	55.87	3800	0.90	
29	123	48.17	3880	1.05	
31	115	44.90	3620	1.15	
35	101	39.25	3510	1.30	
38	94	36.79	3460	1.40	
43	83	32.47	3350	1.55	
48	74	28.78	3250	1.75	
58	63	24.47	3110	2.1	
49	73	28.37	3240	1.80	BR BRF 27 D71D4
53	67	26.09	3170	1.85	
62	57	22.32	3040	2.3	
71	50	19.35	2920	2.6	
76	46	18.08	2860	2.8	
88	40	15.63	2750	3.2	
104	34	13.28	2620	3.8	
38	99	36.61	770	0.85	BR BRF 17 D71D4
38	93	36.20	1260	0.90	
43	82	31.94	1910	1.05	
48	73	28.32	1880	1.15	
57	62	24.07	1830	1.40	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload $F_{0.1}$ [N]	使用 系数 Service factor f_s	型号 Model		
0.37kW							
55	65	25.23	1840	1.30	BR BRF	17	D71D4 D71D4
60	59	23.15	1820	1.45			
70	51	19.71	1760	1.70			
81	44	16.99	1710	1.95			
87	41	15.84	1680	2.1			
100	35	13.84	1630	2.4			
108	33	12.98	1610	2.6			
121	29	11.45	1560	2.8			
138	26	10.15	1520	3.0			
160	22	8.63	1460	3.3			
183	19	7.55	1370	2.9	BRX BRXF	17	D63L2 D63L2
196	18	7.04	1350	3.1			
224	16	6.15	1300	3.4			
239	15	5.76	1280	3.6			
271	13	5.09	1240	3.9			
306	12	4.51	1200	4.2			
360	9.8	3.83	1150	4.6			
181	18	13.84	1380	4.6			
204	17	12.98	1360	4.9			
231	15	11.45	1320	5.3			
261	14	10.15	1270	5.7			
307	12	8.63	1220	6.3			
351	10	7.55	1150	5.5			
377	9.4	7.04	1130	5.8			
431	8.2	6.15	1090	6.6			
460	7.7	5.76	1070	6.9			
521	6.8	5.09	1030	7.6			
588	6.0	4.51	990	8.0			
691	5.1	3.83	950	8.8	BRX BRXF	67	D80K6 D80K6
174	20	5.18	4570	3.7			
199	18	4.53	4380	4.6			
209	17	4.30	4310	4.7			
239	15	3.77	4130	5.9			
227	16	6.07	4200	2.8	BRX BRXF	67	D71D4 D71D4
267	13	5.18	3990	5.6			
305	12	4.53	3820	7.1			
321	11	4.30	3760	7.3			
366	9.7	3.77	3610	9.0			
431	8.2	3.20	3420	12			
478	7.4	2.89	3310	14			
543	6.5	2.54	3170	18			
575	6.1	2.40	3110	20			
675	5.2	2.04	2950	26			
207	17	4.35	3500	4.0			
238	15	3.79	3350	4.6			
254	14	3.65	3280	5.0			
251	14	5.50	3300	2.8	BRX BRXF	57	D71D4 D71D4
272	13	5.07	3210	2.8			
317	11	4.35	3060	5.1			
364	9.7	3.79	2930	7.1			
389	9.1	3.55	2870	7.6			
440	8.0	3.14	2760	8.1			
474	7.5	2.91	2690	8.9			
523	6.6	2.64	2610	10			
582	6.1	2.37	2520	11			
676	5.2	2.04	2400	13			
719	4.9	1.92	2350	14			
835	4.2	1.65	2240	16			
0.55kW							
0.22	19800	8077	120000	0.90	BR BRF	167 R57	D80K4 D80K4
0.25	17800	5407	120000	1.00			
0.29	15100	4650	120000	1.20			
0.33	13300	4129	120000	1.35			
0.28	16500	4926	26300	0.80	BR BRF	147 R77	D80K4 D80K4
0.31	14500	4325	55900	0.90			
0.36	12700	3754	63300	1.05			
0.41	11100	3302	68100	1.15			
0.47	9720	2898	68200	1.35			

输出转速 Output speed

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
3.7	1440	246.54	17700	1.10	BR BRF 87 D80N6
4.2	1260	216.54	18700	1.25	
4.4	1200	205.71	19000	1.30	
4.9	1060	181.77	19600	1.45	
5.8	910	155.34	20000	1.70	
5.5	950	248.54	20000	1.65	BR BRF 87 D80K4
6.3	840	216.54	20000	1.85	
6.6	795	205.71	20000	1.95	
7.5	700	181.77	20000	2.2	
8.8	600	155.34	20000	2.6	
9.6	550	142.41	20000	2.8	
11	485	124.97	20000	3.2	
11	455	118.43	20000	3.4	
13	400	103.65	20000	3.9	
8.2	645	186.59	11300	1.25	BR BRF 77 D80K4
9.3	585	145.87	11800	1.45	
9.8	535	138.39	11900	1.55	
11	470	121.42	12200	1.75	
13	400	102.99	12500	2.1	
15	360	92.97	12600	2.3	
17	315	81.80	12800	2.6	
18	300	77.24	12800	2.8	
21	255	65.77	12900	3.2	
8.6	610	158.14	7430	1.00	BR BRF 67 D80K4
9.9	530	137.67	8290	1.15	
11	500	129.37	8600	1.20	
12	440	113.84	9060	1.35	
13	410	105.83	9280	1.45	
14	370	95.91	9520	1.60	
16	335	86.11	9730	1.80	
18	285	74.17	9940	2.1	
20	270	69.75	10000	2.2	
22	235	61.26	10100	2.5	
24	220	58.89	10200	2.7	
11	485	120.83	7030	0.95	BR BRF 57 D80K4
13	410	106.58	7260	1.10	
14	380	98.99	7370	1.20	
15	345	89.71	7490	1.30	
17	310	80.95	7600	1.45	
20	265	69.23	7710	1.70	
21	250	64.85	7750	1.80	
24	220	57.29	7830	2.0	
26	205	53.22	7930	2.2	
28	186	48.23	7190	2.4	
31	167	43.30	6980	2.7	
36	144	37.30	6700	3.1	
39	136	35.07	6560	3.3	
52	102	26.31	6060	4.4	BR BRF 57 D80K4
54	97	24.99	5970	4.7	
62	85	21.93	5740	5.3	
73	72	18.60	5460	6.3	
15	360	93.68	3280	0.85	BR BRF 47 D80K4
16	330	84.90	3230	0.90	
18	295	76.23	3450	1.00	
20	265	68.54	3600	1.15	
21	250	64.21	3670	1.20	
24	220	56.73	3790	1.35	
26	205	52.68	3770	1.45	
28	184	47.75	3630	1.65	
32	166	42.87	3470	1.80	
37	143	36.93	3260	2.1	
39	134	34.73	3180	2.2	
46	115	29.88	4970	2.6	
51	103	26.74	4820	2.9	BR BRF 47 D80K4
58	90	23.28	4630	3.3	
62	84	21.81	4550	3.6	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
22	235	61.18	3910	0.85	BR BRF 37 D80K4
24	215	55.76	4740	0.95	
28	186	48.08	5120	1.10	
30	173	44.81	5230	1.15	
35	151	39.17	5070	1.30	
37	142	36.72	4990	1.40	
42	125	32.40	4840	1.60	
47	111	28.73	4700	1.80	
56	94	24.42	4500	2.1	
61	86	22.27	4390	2.3	BR BRF 37 D80K4
70	75	19.31	4220	2.7	
75	70	18.05	4140	2.9	
87	60	15.00	3970	3.3	
103	51	13.25	3790	3.7	
115	46	11.83	3670	4.0	
35	152	38.25	3280	0.85	BR BRF 27 D80K4
37	142	36.79	3240	0.90	
42	125	32.47	3160	1.05	
47	111	28.78	3080	1.15	
56	95	24.47	2970	1.40	
61	86	22.32	2810	1.50	BR BRF 27 D80K4
70	75	19.35	2810	1.75	
75	70	18.08	2760	1.85	
87	60	15.03	2660	2.2	
102	51	13.28	2550	2.5	
115	46	11.86	2470	2.6	
134	39	10.13	2370	3.1	
145	35	9.41	2290	3.4	
167	32	8.15	2200	3.7	
178	29	7.63	2160	3.8	
206	26	6.59	2070	4.2	
243	22	5.60	1980	4.6	
272	19	6.00	1910	4.9	
318	17	4.27	1830	5.3	
340	15	4.00	1790	5.5	
404	13	3.37	1700	6.1	
50	105	53.76	235	0.80	BR BRF 17 D71D2
57	92	47.44	1280	0.90	
61	86	44.18	1610	1.00	
70	75	38.61	1590	1.15	BR BRF 17 D80K4
69	76	19.71	1590	1.10	
80	66	16.99	1560	1.30	
85	61	15.84	1550	1.40	
98	54	13.84	1510	1.60	
105	50	12.98	1500	1.70	
119	44	11.45	1460	1.85	
134	39	10.15	1430	1.95	
156	33	8.63	1380	2.2	
180	29	7.55	1290	1.90	
193	27	7.04	1270	2.0	
221	24	6.15	1240	2.3	
236	22	6.76	1220	2.4	
267	20	5.09	1190	2.6	
302	17	4.51	1150	2.8	
355	15	3.83	1110	3.0	
313	17	8.63	1170	4.3	BR BRF 17 D71D2
356	15	7.55	1100	3.8	
384	14	7.04	1080	4.0	
439	12	6.15	1050	4.5	
466	11	5.76	1030	4.7	
531	9.9	5.09	990	5.2	
599	8.8	4.51	960	5.4	
704	7.5	3.83	920	6.0	
174	30	5.18	4510	2.5	BRX BRXF 67 D80N6
199	26	4.53	4320	3.1	
209	25	4.30	4260	3.2	
239	22	3.77	4090	4.0	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model		
0.55kW							
263	20	5.18	3970	3.8	BRX BRXF	67	D80K4 D80K4
300	18	4.53	3800	4.7			
316	17	4.30	3740	4.8			
360	15	3.77	3590	6.0			
425	12	3.20	3410	8.1			
471	11	2.89	3300	9.5			
535	9.8	2.54	3170	12			
587	9.3	2.40	3110	13			
666	7.9	2.04	2950	17			
732	7.2	1.86	2860	18			
845	6.2	1.81	2730	18			
207	25	4.35	3440	2.7	BRX BRXF	57	D80N6 D80N6
238	22	3.79	3300	3.1			
254	21	3.55	3230	3.3			
287	18	3.14	3110	3.5			
309	17	2.91	3040	3.9			
312	17	4.35	3040	4.1	BRX BRX F	57	D80K4 D80K4
359	15	3.79	2910	4.7			
383	14	3.55	2850	5.0			
434	12	3.14	2740	5.4			
467	11	2.91	2680	6.0			
515	10	2.64	2600	6.8			
574	9.2	2.37	2510	7.5			
666	7.9	2.04	2390	8.7			
708	7.4	1.92	2350	9.3			
823	6.4	1.88	2230	11			
921	5.7	1.48	2150	12			
1045	5.0	1.30	2070	13			
0.75kW							
0.30	20700	4650	120000	0.85	BR	167 R97	D80N4
0.33	18300	4129	120000	1.00	BRF	167 R97	D80N4
0.52	12000	2657	120000	1.60	BR BRF	167 R97	D80N4 D80N4 D80N4 D80N4
0.59	10400	2333	120000	1.75			
0.66	9230	2085	120000	1.95			
0.96	6510	1438	120000	2.8			
0.42	15100	3302	49000	0.85	BR	147 R77	D80N4
0.46	13200	2898	62200	1.00	BRF	147 R77	D80N4
0.54	11900	2555	64800	1.10	BR BRF	147 R77	D80N4 D80N4 D80N4 D80N4 D80N4 D80N4 D80N4
0.62	10300	2211	67400	1.25			
0.71	9070	1951	69000	1.45			
0.81	7830	1705	70500	1.65			
0.90	7030	1536	71300	1.85			
1.0	6080	1329	72100	2.1			
1.2	5310	1166	72700	2.5			
0.74	8840	1863	51200	0.96	BR BRF	137 R77	D80N4 D80N4 D80N4 D80N4
0.87	7330	1586	54700	1.10			
0.99	6500	1391	56200	1.25			
1.1	5850	1256	57300	1.35			
0.67	9640	2073	41400	0.85	BR BRF	137 R77	D80N4 D80N4 D80N4 D80N4 D80N4 D80N4 D80N4 D80N4 D80N4
0.75	8480	1838	51800	0.96			
0.86	7310	1588	54800	1.10			
0.99	6480	1397	56300	1.25			
1.1	5660	1226	57500	1.40			
1.3	5050	1090	58900	1.60			
1.5	4410	951	59100	1.80			
1.7	3810	831	59700	2.1			
1.9	3320	730	60100	2.4			
1.3	4890	1055	19000	0.90	BR BRF	107 R77	D80N4 D80N4 D80N4
1.5	4270	919	29600	1.00			
1.7	3800	815	31900	1.15			
1.2	5050	1104	7700	0.85	BR BRF	107 R77	D80N4 D80N4 D80N4 D80N4 D80N4
1.5	4330	939	29300	1.00			
1.7	3770	822	32000	1.15			
3.7	1690	369	37100	2.5			
4.3	1470	323	37300	2.9			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.75kW					
11	670	128.97	4040	0.90	BR BRF 67 D80N4
12	580	113.94	7860	1.00	
13	550	105.83	8120	1.10	
14	500	95.91	8600	1.20	
16	445	86.11	9010	1.35	
19	385	74.17	9430	1.55	
20	360	69.75	9570	1.65	
23	320	61.26	9800	1.90	
24	295	56.89	9910	2.0	
27	270	51.58	10000	2.2	
30	240	46.29	10100	2.5	
13	555	106.58	4610	0.80	BR BRF 57 D80N4
14	515	98.99	6200	0.90	
15	485	89.71	7040	0.95	
17	420	80.55	7240	1.10	
20	360	69.23	7450	1.25	BR BRF 57 D80N4
21	335	64.85	7430	1.35	
24	295	57.29	7220	1.50	
26	275	53.22	7090	1.65	
29	250	48.23	6930	1.80	BR BRF 57 D80N4
32	225	43.30	6740	2.0	
37	194	37.30	6490	2.3	
39	182	35.07	6380	2.5	
46	157	30.18	6130	2.9	BR BRF 57 D80N4
51	140	26.97	5940	3.2	
52	137	26.31	5900	3.3	
55	130	24.99	5820	3.5	
63	114	21.80	5610	4.0	BR BRF 57 D80N4
74	97	18.60	5350	4.7	
20	355	68.54	3660	0.85	BR BRF 47 D80N4
21	335	64.21	4950	0.90	
24	295	56.73	5450	1.00	
26	275	52.69	5480	1.10	
29	250	47.75	5370	1.20	BR BRF 47 D80N4
32	225	42.87	5240	1.35	
37	192	36.93	5060	1.55	
40	180	34.73	4980	1.65	
46	155	29.88	4800	1.95	BR BRF 47 D80N4
52	139	26.70	4660	2.2	
58	122	23.59	4510	2.5	
52	139	26.74	4860	2.2	BR BRF 47 D80N4
59	121	23.28	4490	2.5	
63	113	21.81	4420	2.7	
72	100	19.27	4270	3.0	
77	93	17.89	4180	3.1	BR BRF 47 D80N4
85	84	16.22	4070	3.3	
29	250	48.08	2330	0.80	BR BRF 37 D80N4
31	235	44.81	4230	0.85	
35	205	39.17	4720	1.00	
38	191	36.72	4740	1.05	
43	168	32.40	4610	1.20	BR BRF 37 D80N4
48	149	28.73	4490	1.35	
57	127	24.42	4320	1.60	
62	116	22.37	4230	1.75	
71	100	19.31	4080	2.0	BR BRF 37 D80N4
76	94	18.05	4010	2.1	
88	81	15.80	3850	2.5	
104	69	13.25	3590	2.8	
117	61	11.83	3570	3.0	BR BRF 37 D80N4
137	53	10.11	3420	3.2	
146	49	9.47	3360	3.4	
48	149	28.78	2880	0.85	BR BRF 27 D80N4
56	127	24.47	2800	1.00	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.75kW					
62	116	22.32	2750	1.10	BR BRF 27 D80N4
71	100	19.35	2670	1.30	
76	94	18.08	2630	1.40	
88	81	15.83	2550	1.60	
104	69	13.28	2450	1.90	
116	62	11.86	2380	2.1	
136	53	10.13	2290	2.3	
147	49	9.41	2210	2.5	
169	42	8.10	2130	2.7	
181	40	7.83	2090	2.8	
209	34	6.59	2010	3.1	BR BRF 27 D80N4
246	29	5.60	1930	3.4	
276	26	5.00	1870	3.7	
70	102	19.71	465	0.85	BR BRF 17 D80N4
81	88	16.99	1390	0.95	
87	82	15.84	1380	1.05	
100	72	13.84	1370	1.20	
106	67	12.98	1360	1.25	
121	59	11.45	1350	1.35	
136	53	10.15	1320	1.45	
160	45	8.63	1280	1.60	
183	39	7.58	1200	1.65	
198	37	7.04	1180	1.80	BR BRF 17 D80N4
224	32	6.15	1160	1.70	
239	30	5.76	1150	1.75	
271	26	5.09	1120	1.95	
306	23	4.51	1090	2.0	BR BRF 17 D80K2
360	20	3.83	1060	2.3	
236	30	11.45	1200	2.7	BR BRF 17 D80K2
266	27	10.15	1170	2.9	
313	23	8.63	1130	3.1	
358	20	7.58	1080	3.6	
384	19	7.04	1040	3.9	BR BRF 17 D80K2
439	16	6.15	1010	3.3	
468	15	5.76	980	3.5	
531	14	5.09	960	3.8	
599	12	4.51	930	4.0	BR BRF 17 D80K2
704	10	3.83	890	4.4	
199	38	4.53	4260	2.3	BRX BRXF 67 D90S6
209	34	4.30	4200	2.3	
239	30	3.77	4040	2.9	
281	26	3.20	3840	3.9	
267	27	6.18	3900	2.6	BRX BRXF 67 D80N4
305	24	4.83	3750	3.5	
321	22	4.30	3690	3.6	
366	20	3.77	3540	4.4	
431	17	3.20	3360	6.0	BRX BRXF 67 D80N4
478	15	2.89	3260	7.1	
543	13	2.54	3130	8.9	
575	13	2.40	3070	9.8	
675	11	2.04	2920	13	BRX BRXF 67 D80N4
743	9.6	1.86	2830	13	
858	8.3	1.61	2700	14	
238	30	3.79	3240	2.3	BRX BRXF 57 D90S6
254	28	3.55	3180	2.4	
287	25	3.14	3080	2.6	
309	23	2.91	3000	2.9	
341	21	2.64	2910	3.3	BRX BRXF 57 D90S6

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model	
0.75kW						
317	23	4.35	2980	3.0	BRX BRXF 57 D80N D80N	
364	20	3.79	2860	3.6		
389	18	3.55	2800	3.8		
440	16	3.14	2700	4.0		
474	15	2.91	2630	4.4		
523	14	2.64	2560	5.0		
582	12	2.37	2470	5.6		
676	11	2.04	2360	6.5		
719	10	1.92	2310	6.9		
835	8.6	1.65	2210	8.0		
935	7.7	1.48	2130	8.8		
1060	6.8	1.30	2050	9.3		
1.1kW						
0.63	17700	2657	120000	1.00	BR BRF 167 R97 D90S 167 R97 D90S	
0.60	15400	2333	120000	1.15		
0.67	13700	2085	120000	1.30		
0.75	12300	1877	120000	1.45		
0.84	10900	1670	120000	1.65		
0.97	9600	1438	120000	1.90		
1.1	8540	1279	120000	2.1		
1.2	7420	1123	120000	2.4		
0.63	15000	2211	50100	0.85	BR BRF 147 R77 D90S 147 R77 D90S	
0.72	13300	1951	62100	1.00		
0.82	11500	1705	65500	1.15		
0.91	10300	1536	67300	1.25	BR BRF 147 R77 D90S 147 R77 D90S	
1.0	8940	1328	69200	1.45		
1.2	7810	1166	70500	1.65		
1.4	6870	1029	71500	1.90		
1.6	5950	889	72200	2.2		
1.8	5240	784	72800	2.5		
2.0	4630	695	73200	2.8		
1.0	9480	1391	44400	0.85		BR BRF 137 R77 D90S 137 R77 D90S
1.1	8550	1265	51600	0.95		
1.3	7500	1165	54400	1.05		
1.3	7080	1043	55200	1.15		
1.6	6010	888	57000	1.35		
1.0	9470	1397	44600	0.85	BR BRF 137 R77 D90S 137 R77 D90S	
1.1	8290	1226	52700	0.95		
1.3	7390	1090	54600	1.10		
1.5	6450	951	56300	1.25		
1.7	5590	831	57600	1.45		
1.9	4890	730	58500	1.65		
2.2	4190	629	59300	1.90		
2.5	3770	560	59700	2.1		
2.8	3270	490	60100	2.5		
2.0	4870	717	20200	0.90		BR BRF 107 R77 D90S 107 R77 D90S
2.3	4100	814	30800	1.05		
2.6	3630	544	32700	1.20	BR BRF 107 R77 D90S 107 R77 D90S	
2.8	3280	492	34000	1.30		
3.3	2780	417	35600	1.55		
3.8	2480	369	36200	1.75		
4.3	2170	323	36600	2.0		
4.9	1910	285	36900	2.2		
5.5	1690	253	37100	2.5		
3.2	2930	431	21400	1.00		BR BRF 97 R57 D90S 97 R57 D90S
3.7	2580	379	23700	1.15		
4.2	2290	336	25100	1.30		
4.7	2010	296	26300	1.50		
5.6	1680	249	27400	1.80		
6.0	1570	234	27500	1.90		
6.7	1400	209	27800	2.1		
5.2	1810	268	13900	0.85	BR BRF 87 R57 D90S 87 R57 D90S	
5.9	1600	236	16600	0.95		
6.7	1400	209	17900	1.10		
5.5	1780	256	15300	0.90	BR BRF 87 R57 D90S 87 R57 D90S	
6.0	1590	232	16600	0.95		
7.2	1350	195	18200	1.15		

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数
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输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model
1.1kW					
53	197	26.31	5650	2.3	BR BRF 57 D90S4
56	188	24.99	5580	2.4	
64	165	21.93	5400	2.7	
75	140	18.60	5170	3.2	
83	126	16.79	5030	3.8	
29	360	47.75	3500	0.85	BR BRF 47 D90S4
33	320	42.87	4850	0.95	
38	275	36.93	4720	1.10	
40	260	34.73	4660	1.15	
47	225	29.88	4520	1.35	
52	200	26.70	4410	1.50	
59	177	23.69	4290	1.70	
60	175	23.28	4270	1.70	BR BRF 47 D90S4
64	164	21.81	4210	1.85	
73	145	19.27	4080	2.0	
78	134	17.89	4010	2.2	
86	122	16.22	3910	2.3	
96	109	14.66	3800	2.4	
112	94	12.54	3650	2.7	
119	89	11.79	3590	2.8	BR BRF 37 D90S4
138	78	10.15	3450	3.0	
154	68	9.07	3340	3.2	
43	245	32.40	2900	0.80	BR BRF 37 D90S4
49	215	28.73	3300	0.95	
57	183	24.42	3720	1.10	
73	145	19.31	3840	1.40	BR BRF 37 D90S4
78	135	18.65	3790	1.50	
90	117	15.60	3660	1.70	
108	99	13.25	3520	1.90	BR BRF 37 D90S4
118	89	11.83	3430	2.1	
139	76	10.11	3290	2.2	
148	71	9.47	3230	2.3	
176	60	7.97	3090	2.8	
210	50	6.67	2920	2.9	
247	43	5.67	2790	3.3	
277	38	5.06	2700	3.5	BR BRF 27 D90S4
72	145	19.35	2430	0.90	
77	136	18.08	2410	0.95	
90	117	15.63	2380	1.10	
105	100	13.28	2290	1.30	
118	88	11.66	2240	1.45	
138	76	10.13	2100	1.60	
172	61	8.16	2010	1.90	BR BRF 27 D90S4
184	57	7.63	1980	1.95	
212	50	6.59	1920	2.1	
250	42	5.60	1840	2.4	BR BRF 27 D90S4
280	38	5.00	1790	2.5	
328	32	4.27	1720	2.7	
350	30	4.00	1690	2.8	
415	25	3.37	1610	3.1	
203	52	13.28	1980	2.5	BR BRF 27 D80N2
228	48	11.86	1920	2.8	
267	38	10.13	1840	3.1	
287	37	9.41	1780	3.3	
331	32	8.16	1720	3.7	
354	30	7.63	1690	3.8	
410	26	6.59	1620	4.1	
482	22	5.60	1550	4.5	BR BRF 27 D80N2
540	20	5.00	1500	4.9	
632	17	4.27	1430	5.2	
675	16	4.00	1410	5.4	
801	13	3.37	1340	6.0	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model		
1.1kW							
137	77	19.71	1150	1.10	BR BRF	17	D80N2 D80N2
159	66	16.99	1140	1.30			
170	62	15.84	1140	1.40			
195	54	13.84	1120	1.60			
208	51	12.98	1120	1.70			
238	45	11.45	1100	1.80	BR BRF	17	D80N2 D80N2
266	40	10.15	1080	1.95			
313	34	8.63	1050	2.1			
358	29	7.56	970	1.90			
384	27	7.04	960	2.0			
439	24	6.15	940	2.3			
468	22	5.76	930	2.4			
531	20	5.09	910	2.6			
599	18	4.51	880	2.7			
704	15	3.83	850	3.0			
249	42	5.83	5880	2.8	BRX	77	D90S4
262	40	5.36	5590	2.6	BRXF	77	D90S4
296	36	4.73	5380	3.5			
203	52	4.53	4130	1.60	BRX	67	D90L6
214	49	4.30	4070	1.65	BRXF	67	D90L6
244	43	3.77	3920	2.0			
309	34	4.53	3860	2.4	BRX BRXF	67	D90S4 D90S4
326	32	4.30	3610	2.5			
371	28	3.77	3470	3.1			
438	24	3.20	3300	4.2			
485	22	2.89	3200	4.9			
551	19	2.54	3070	6.2			
583	18	2.40	3020	6.8			
685	15	2.04	2870	8.8			
754	14	1.86	2780	9.1			
870	12	1.61	2660	9.4			
1000	11	1.40	2550	9.9			
243	43	3.79	3120	1.60	BRX	57	D90L6
259	41	3.55	3060	1.70	BRXF	57	D90L6
293	38	3.14	2980	1.80			
318	33	2.91	2900	2.0			
348	30	2.64	2820	2.3			
369	28	3.79	2780	2.4	BRX BRXF	57	D90S4 D90S4
394	27	3.56	2730	2.6			
446	24	3.14	2630	2.8			
481	22	2.91	2570	3.1			
530	20	2.64	2500	3.5			
591	18	2.37	2420	3.9			
686	15	2.04	2310	4.5			
729	14	1.92	2270	4.8			
847	12	1.65	2160	5.6			
948	11	1.48	2090	6.1			
1075	9.8	1.30	2010	6.4			
1.5kW							
0.60	21200	2333	120000	0.85	BR BRF	167R97 167R97	D90L4 D90L4
0.68	18800	2085	120000	0.95			
0.76	16900	1877	120000	1.05			
0.84	15000	1670	120000	1.20			
0.98	13100	1438	120000	1.35			
1.1	11700	1279	120000	1.55			
1.3	10200	1123	120000	1.75			
1.4	9060	999	120000	2.0			
3.3	3870	426	73600	3.4	BR	147R87	D90L4
3.8	3340	368	73900	3.9	BRF	147R87	D90L4
0.83	15700	1705	41200	0.85	BR BRF	147R77 147R77	D90L4 D90L4
0.92	14100	1538	40300	0.90			
1.1	12200	1329	64200	1.05			
1.2	10700	1186	68800	1.20			
1.4	9410	1029	68600	1.40			
1.6	8140	899	70100	1.60			
1.8	7170	784	71200	1.80			
2.0	6340	695	71900	2.0			
2.3	5700	619	72400	2.3			
2.5	5130	558	72900	2.5			

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N · m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a1} [N]	使用 系数 Service factor f_s	型号 Model				
1.5kW									
1.4	9650	1043	41200	0.85	BR BRF	137	R77	D90L4	
1.6	8200	888	52900	1.00					
2.0	6440	698	56300	1.25					
2.3	5590	609	57800	1.45					
1.3	10100	1090	32300	0.80	BR BRF	137	R77	D90L4	
1.5	8790	951	50600	0.90					
1.7	7840	831	54100	1.05					
1.9	6680	730	55900	1.20					
2.2	5740	629	57400	1.40					
2.5	5150	560	58200	1.55					
2.9	4470	490	58000	1.80					
3.3	3910	428	59600	2.0					
3.7	3510	381	59900	2.3					
4.4	2980	323	60400	2.7					
2.7	4860	528	20600	0.90	BR BRF	107	R77	D90L4	
2.6	4970	544	14800	0.85	BR BRF	107	R77	D90L4	
2.9	4490	492	26400	0.85					
3.4	3810	417	31900	1.15					
3.8	3390	369	33600	1.25					
4.4	2980	323	35100	1.45					
3.0	4410	468	28900	1.00	BR BRF	107	R77	D90L4	
4.2	3120	336	14600	0.95	BR BRF	87	R57	D90L4	
4.8	2740	296	22700	1.10					
5.7	2300	249	25100	1.30					
6.0	2150	234	25800	1.40					
6.6	1920	208	26700	1.55					
3.0	4710	229.95	26500	0.90	BR BRF	107		D112M8	
3.5	4180	203.18	30200	1.05					
4.1	3530	172.34	33100	1.20					
4.4	3250	158.68	34100	1.30					
3.7	3910	251.15	31400	1.10	BR BRF	107		D100M6	
4.0	3580	229.95	32900	1.20					
4.5	3810	203.18	34400	1.35					
5.3	2680	172.34	35900	1.60					
5.8	2470	158.68	36200	1.75					
6.5	2210	141.83	38500	1.95	BR BRF	87		D90L4	
5.5	2600	255.71	23500	1.15					
5.8	2450	241.25	24300	1.20					
6.5	2200	218.28	25600	1.38					
7.6	1890	186.30	26800	1.60					
8.3	1730	170.92	27300	1.75					
9.4	1530	150.79	27600	1.95					
11	1290	126.75	27900	2.3					
12	1180	116.48	28000	2.5					
14	1050	103.44	28200	2.8					
15	940	92.48	28300	3.2					
7.8	1850	181.77	11400	0.85	BR BRF	87		D90L4	
9.1	1580	155.34	16700	1.00					
9.9	1450	142.41	17600	1.05					
11	1270	124.97	18600	1.20					
12	1200	118.43	19000	1.30					
14	1050	103.65	19600	1.45	BR BRF	87		D90L4	
15	950	93.38	20000	1.65					
17	830	81.92	20000	1.85					
19	735	72.57	20000	2.1					
22	645	63.68	20000	2.4					
23	615	60.35	20000	2.5					
27	535	52.62	20000	2.9					
30	485	47.58	20000	3.2					
34	425	41.74	20000	3.7					
38	375	36.84	19600	4.1					

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
1.5kW					
73	186	18.31	2660	1.00	BR D90L4
78	183	18.05	2840	1.10	BR D90L4
90	159	15.60	3160	1.25	BR D90L4
106	135	13.25	3350	1.40	BR D90L4
119	120	11.83	3270	1.50	BR D90L4
140	103	10.11	3160	1.65	BR D90L4
149	96	9.47	3110	1.75	BR D90L4
177	81	7.97	2980	1.95	BR D90L4
211	68	6.67	2820	2.1	BR D90L4
249	58	5.67	2710	2.5	BR D90L4
279	51	5.06	2630	2.8	BR D90L4
326	44	4.32	2520	2.9	BR D90L4
348	41	4.05	2470	3.0	BR D90L4
414	35	3.41	2360	3.2	BR D90L4
204	70	13.25	2880	2.7	BR D90S
228	63	11.83	2790	2.9	BR D90S
267	54	10.11	2680	3.2	BR D90S
285	50	9.47	2630	3.3	BR D90S
339	42	7.97	2510	3.7	BR D90S
90	159	15.63	1700	0.80	BR D90L4
106	135	13.28	2020	0.95	BR D90L4
119	121	11.88	2080	1.08	BR D90L4
139	103	10.13	2030	1.20	BR D90L4
173	83	8.16	1880	1.40	BR D90L4
185	78	7.63	1860	1.45	BR D90L4
214	67	6.59	1810	1.60	BR D90L4
252	57	5.60	1750	1.75	BR D90L4
282	51	5.00	1710	1.85	BR D90L4
330	43	4.27	1650	2.0	BR D90L4
353	41	4.00	1630	2.1	BR D90L4
418	34	3.37	1580	2.3	BR D90L4
228	63	11.88	1840	2.10	BR D90S
267	54	10.13	1770	2.3	BR D90S
331	43	8.16	1650	2.7	BR D90S
354	41	7.63	1620	2.8	BR D90S
410	35	6.59	1570	3.0	BR D90S
482	30	5.60	1500	3.3	BR D90S
540	27	5.00	1460	3.6	BR D90S
632	23	4.27	1400	3.8	BR D90S
675	21	4.00	1370	4.0	BR D90S
801	18	3.37	1310	4.4	BR D90S
250	57	5.83	5580	1.90	BRX D90L4
264	54	5.35	5490	1.90	BRX D90L4
298	48	4.73	5300	2.8	BRX D90L4
345	41	4.04	5050	3.5	BRX D90L4
381	36	3.70	4920	4.1	BRX D90L4
434	33	3.25	4720	5.5	BRX D90L4
458	31	3.08	4650	6.2	BRX D90L4
523	27	2.70	4460	7.8	BRX D90L4
581	25	2.43	4310	8.7	BRX D90L4
312	46	4.53	3570	1.80	BRX D90L4
328	44	4.30	3520	1.85	BRX D90L4
374	38	3.77	3390	2.3	BRX D90L4
441	33	3.20	3230	3.1	BRX D90L4
486	29	2.89	3140	3.6	BRX D90L4
555	26	2.54	3020	4.6	BRX D90L4
588	24	2.40	2970	5.0	BRX D90L4
690	21	2.04	2820	6.4	BRX D90L4
750	19	1.86	2740	6.7	BRX D90L4
876	16	1.61	2620	7.0	BRX D90L4
1005	14	1.40	2510	7.3	BRX D90L4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
1.5kW					
372	39	3.79	2700	1.80	BRX D90L4
397	36	3.55	2650	1.80	BRX D90L4
450	32	3.14	2560	2.0	BRX D90L4
484	30	2.91	2510	2.3	BRX D90L4
534	27	2.64	2440	2.6	BRX D90L4
595	24	2.37	2360	2.9	BRX D90L4
691	21	2.04	2280	3.3	BRX D90L4
734	20	1.92	2220	3.5	BRX D90L4
853	17	1.65	2120	4.1	BRX D90L4
955	15	1.48	2050	4.5	BRX D90L4
1080	13	1.30	1980	4.7	BRX D90L4
2.2kW					
0.84	22400	1670	120000	0.80	BR 167R97 D100M4
0.98	19800	1438	120000	0.95	BR 167R97 D100M4
1.1	17300	1278	120000	1.05	BR 167R97 D100M4
1.3	15100	1123	120000	1.20	BR 167R97 D100M4
1.4	13500	999	120000	1.35	BR 167R97 D100M4
1.6	11800	881	120000	1.55	BR 167R97 D100M4
1.9	10300	760	120000	1.75	BR 167R97 D100M4
2.2	8710	656	120000	2.1	BR 167R97 D100M4
2.6	7130	533	71200	1.80	BR 147R87 D100M4
3.0	6150	462	72100	2.1	BR 147R87 D100M4
3.3	5740	426	72400	2.3	BR 147R87 D100M4
3.8	4980	368	73000	2.6	BR 147R87 D100M4
4.3	4390	326	73300	3.0	BR 147R87 D100M4
1.2	15800	1166	39400	0.80	BR 147R77 D100M4
1.4	13900	1029	40700	0.95	BR 147R77 D100M4
1.6	12000	889	44500	1.10	BR 147R77 D100M4
1.8	10800	784	46800	1.20	BR 147R77 D100M4
2.0	9400	695	48600	1.40	BR 147R77 D100M4
2.3	8420	619	49800	1.55	BR 147R77 D100M4
2.5	7580	558	50800	1.70	BR 147R77 D100M4
2.9	6640	489	51700	1.95	BR 147R77 D100M4
2.0	9510	699	43900	0.85	BR 137R77 D100M4
2.3	8270	609	52800	0.95	BR 137R77 D100M4
1.8	8680	730	36300	0.80	BR 137R77 D100M4
2.2	8500	629	41600	0.95	BR 137R77 D100M4
2.5	7620	560	44200	1.05	BR 137R77 D100M4
2.9	6630	490	48000	1.20	BR 137R77 D100M4
3.3	5790	426	57400	1.40	BR 137R77 D100M4
3.7	5190	381	58200	1.55	BR 137R77 D100M4
4.4	4400	323	59100	1.80	BR 137R77 D100M4
4.8	3980	291	59500	2.0	BR 137R77 D100M4
5.5	3480	255	60000	2.3	BR 137R77 D100M4
6.3	3030	223	60300	2.6	BR 137R77 D100M4
3.8	5010	369	12100	0.85	BR 107R77 D100M4
4.4	4390	323	29000	1.00	BR 107R77 D100M4
4.9	3880	285	31600	1.10	BR 107R77 D100M4
5.6	3420	253	33500	1.25	BR 107R77 D100M4
6.6	2900	214	35300	1.50	BR 107R77 D100M4
4.3	4480	325	28400	0.95	BR 107R77 D100M4
6.0	3170	234	11300	0.95	BR 97 R57 D100M4
6.8	2840	209	22100	1.05	BR 97 R57 D100M4
3.1	6680	222.00	50900	1.20	BR 137 D132S8
3.7	5660	188.45	57500	1.40	BR 137 D132S8
4.0	5230	174.40	58100	1.55	BR 137 D132S8
4.5	4690	156.31	58800	1.70	BR 137 D132S8
5.0	4240	141.12	59300	1.90	BR 137 D132S8
5.5	3850	128.18	59600	2.1	BR 137 D132S8
6.2	3410	113.72	60000	2.3	BR 137 D132S8
6.8	3100	103.20	60300	2.6	BR 137 D132S8
4.5	4540	203.16	28100	0.95	BR 107 D112M6
5.4	3850	172.34	31700	1.10	BR 107 D112M6
5.9	3550	158.68	33000	1.20	BR 107 D112M6
6.6	3170	141.83	34400	1.35	BR 107 D112M6

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
2.2kW							
5.6	3740	251.15	32200	1.15	BR BRF	107	D100M4
6.1	3430	229.95	33500	1.25		107	D100M4
6.9	3030	203.16	34900	1.40		107	D100M4
8.2	2570	172.34	36100	1.68	BR BRF	107	D100M4
8.9	2360	158.68	36300	1.80		107	D100M4
9.9	2110	141.83	36600	2.0		107	D100M4
11	1900	127.68	36900	2.3		107	D100M4
12	1720	116.63	37000	2.5			
14	1530	102.53	37200	2.8			
15	1380	92.70	37300	3.1			
6.5	3220	216.28	7030	0.85	BR BRF	97	D100M4
7.6	2780	186.30	22500	1.10		97	D100M4
8.3	2530	176.02	23900	1.20		97	D100M4
9.4	2250	150.78	25300	1.35	BR BRF	97	D100M4
11	1890	126.75	26800	1.60		97	D100M4
12	1740	116.48	27300	1.75			
14	1540	103.44	27800	1.95			
15	1380	92.48	27800	2.2			
17	1240	83.15	28000	2.4			
20	1080	72.17	28200	2.8			
22	970	65.21	27700	3.1			
24	890	59.92	27000	3.4			
27	795	53.21	26100	3.8			
30	710	47.58	25300	4.2			
11	1860	124.97	10100	0.85	BR BRF	87	D100M4
12	1760	118.43	15200	0.90		87	D100M4
14	1540	103.85	17000	1.00		87	D100M4
15	1390	93.38	17900	1.10			
17	1220	81.92	18900	1.25			
19	1080	72.57	19500	1.45	BR BRF	87	D100M4
22	950	63.88	20000	1.68		87	D100M4
23	900	60.35	20000	1.70		87	D100M4
27	785	52.82	20000	1.95		87	D100M4
30	710	47.58	20000	2.2		87	D100M4
34	620	41.74	19900	2.5			
38	550	36.84	19200	2.8			
43	485	32.66	18500	3.2			
41	515	34.40	18800	2.8	BR BRF	87	D100M4
45	470	31.40	18300	3.3		87	D100M4
51	415	27.84	17700	3.7		87	D100M4
60	350	23.40	16800	4.4			
68	320	21.51	16400	4.7			
21	980	85.77	5470	0.85	BR BRF	77	D100M4
24	860	57.68	9540	0.95		77	D100M4
27	775	52.07	10300	1.05		77	D100M4
31	685	45.81	11000	1.20		77	D100M4
33	645	43.26	11300	1.25	BR BRF	77	D100M4
38	550	36.83	11800	1.50		77	D100M4
42	500	33.47	12100	1.65		77	D100M4
49	430	29.00	12100	1.80			
55	375	25.23	11700	2.1			
60	350	23.37	11400	2.3	BR BRF	77	D100M4
68	320	21.43	11200	2.6		77	D100M4
75	280	18.80	10800	2.8		77	D100M4
79	255	17.82	10600	2.9			
90	230	15.60	10200	3.2			
100	210	14.05	9910	3.4			
35	595	38.88	7630	1.00	BR BRF	67	D100M4
38	560	37.50	8020	1.00		67	D100M4
44	480	32.27	8750	1.10		67	D100M4
49	430	28.83	9140	1.20		67	D100M4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
2.2kW					
140	151	10.11	2300	1.15	BR BRF 37 D100M4
149	141	9.47	2480	1.20	
177	119	7.97	2750	1.30	
211	99	6.67	2470	1.45	
249	84	5.67	2570	1.70	
279	75	5.06	2500	1.80	
326	64	4.32	2410	1.95	
346	60	4.05	2370	2.0	
414	51	3.41	2270	2.2	
141	149	19.31	2300	1.35	BR BRF 37 D90L2
151	139	16.65	2510	1.45	
175	120	15.00	2740	1.65	
206	102	13.25	2720	1.85	BR BRF 37 D90L2
231	91	11.83	2550	2.0	
270	78	10.11	2550	2.2	
286	73	9.47	2510	2.3	
342	61	7.97	2410	2.5	
409	51	6.67	2280	2.8	
482	44	5.67	2180	3.3	
540	39	5.06	2120	3.5	
632	33	4.32	2030	3.8	
675	31	4.05	1990	3.9	
801	26	3.41	1900	4.3	
139	151	10.13	1120	0.80	BR BRF 27 D100M4
214	98	6.59	1130	1.10	
252	83	5.50	1390	1.20	
282	75	5.00	1540	1.30	
330	64	4.27	1540	1.35	
353	60	4.00	1520	1.45	
418	50	3.37	1470	1.55	
206	102	13.28	1720	1.25	BR BRF 27 D90L2
230	91	11.86	1690	1.40	
270	78	10.13	1650	1.55	
335	63	8.16	1530	1.85	
358	59	7.63	1510	1.90	
414	51	6.59	1470	2.1	
488	43	5.60	1420	2.3	
546	39	5.00	1390	2.5	
639	33	4.27	1340	2.6	
683	31	4.00	1310	2.8	
810	26	3.37	1260	3.0	
298	70	4.73	5180	1.75	BRX BRXF 77 D100M4
349	60	4.04	4950	2.4	
381	55	3.70	4820	2.8	
434	48	3.25	4640	3.8	
458	46	3.08	4560	4.2	
523	40	2.70	4380	5.3	
581	36	2.43	4250	5.9	
562	32	2.13	4080	6.3	
750	28	1.88	3920	6.7	
846	25	1.67	3780	7.0	
991	21	1.42	3590	7.3	
374	58	3.77	3280	1.55	BRX BRXF 67 D100M4
441	48	3.20	3130	2.1	
488	43	2.89	3050	2.5	
555	38	2.54	2940	3.1	
588	36	2.40	2890	3.4	
690	30	2.04	2760	4.4	
759	28	1.86	2680	4.6	
870	24	1.61	2570	4.8	
1005	21	1.40	2460	5.0	

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	允许 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
2.2kW							
450	47	3.14	2450	1.40	BRX BRXF	57	D100M4 D100M4
534	39	2.64	2340	1.75			
595	35	2.37	2280	1.95			
691	30	2.04	2190	2.3			
734	29	1.92	2150	2.4			
853	25	1.65	2060	2.8			
955	22	1.48	1990	3.1			
1080	19	1.30	1930	3.2			
3.0kW							
1.2	20900	1123	120000	0.85	BR BRF	167 R97	D100L4 D100L4
1.4	18600	999	120000	0.95			
1.6	16000	861	120000	1.10			
1.8	14200	760	120000	1.25			
2.1	12100	658	120000	1.50			
2.8	9280	503	120000	1.95			
2.6	9880	533	68000	1.30	BR BRF	147 R87	D100L4 D100L4
3.0	8540	462	69700	1.50			
3.3	7940	426	70400	1.65			
3.8	6860	368	71500	1.90			
4.3	6070	326	72200	2.1			
5.0	5180	289	72600	2.5			
1.6	16600	889	26300	0.80	BR BRF	147 R77	D100L4 D100L4
1.8	14700	784	24500	0.90			
2.0	13000	695	22700	1.00			
2.3	11500	619	25200	1.10			
2.5	10500	558	27100	1.25			
2.8	9180	490	28800	0.85	BR BRF	137 R77	D100L4 D100L4
3.3	7990	428	23400	1.00			
3.7	7150	381	25100	1.10			
4.3	6070	323	28900	1.30			
4.8	5480	291	27800	1.45			
5.0	4770	255	28700	1.70			
6.0	4190	223	29300	1.90			
2.7	9870	517	36800	0.80	BR BRF	137 R77	D100L4 D100L4
3.1	8650	453	21200	0.95			
5.5	4730	253	25800	0.90	BR BRF	107	D100L4 D100L4
6.5	4010	214	31000	1.05			
7.5	3500	187	33200	1.25			
5.5	4870	256	20200	0.90	BR BRF	107 R77	D132M8 D132M8
3.2	8880	222.60	50300	0.90	BR BRF	137	D132M8 D132M8
3.8	7500	188.45	54400	1.05			
4.1	6940	174.40	55500	1.15			
4.6	6220	156.31	58700	1.30			
5.1	5620	141.12	57600	1.40			
5.6	5100	128.18	58300	1.55	BR BRF	137	D132M8 D132M8
6.3	4520	113.72	59000	1.75			
7.0	4110	103.20	59400	1.95			
8.1	3530	88.70	59900	2.3			
4.2	6780	222.60	55800	1.20	BR BRF	137	D132S6 D132S6
5.0	5740	188.45	57400	1.40			
5.4	5320	174.40	58000	1.50			
6.0	4750	156.31	58700	1.70			
6.7	4300	141.12	59200	1.85			
7.3	3910	128.18	59600	2.0	BR BRF	137	D132S6 D132S6
8.3	3470	113.72	60000	2.3			
9.1	3150	103.20	60200	2.5			
5.9	4840	158.68	21600	0.90	BR BRF	107	D132S6 D132S6
6.8	4320	141.83	29300	1.00			
7.4	3890	127.68	31500	1.10			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
3.0kW					
8.1	4710	229.95	28500	0.90	BR BRF 107 D100L4
6.9	4160	203.16	30200	1.05	
8.1	3530	172.34	33100	1.20	
8.8	3250	158.68	34100	1.30	
9.9	2900	141.83	35300	1.50	
11	2610	127.68	36000	1.65	
12	2370	115.63	36300	1.80	
14	2100	102.53	36700	2.0	
15	1900	92.70	38900	2.3	
18	1610	78.57	35900	2.7	
19	1490	72.88	35200	2.9	BR BRF 97 D100L4
9.3	3090	150.78	16200	0.85	
11	2590	126.75	23600	1.15	
12	2380	116.48	24700	1.25	
14	2120	103.44	25900	1.40	
15	1890	92.48	26800	1.60	
17	1700	83.15	27300	1.75	
19	1480	72.17	27700	2.0	
21	1330	65.21	27000	2.2	
23	1230	59.82	26400	2.5	
26	1090	53.21	25600	2.8	BR BRF 87 D100L4
29	970	47.58	24800	3.1	
33	880	42.78	24000	3.4	
38	780	37.13	23100	4.0	
42	680	33.25	22400	4.2	
15	1910	93.38	3630	0.80	BR BRF 87 D100L4
17	1680	81.92	16000	0.90	
19	1490	72.57	17400	1.05	
22	1360	63.68	18400	1.20	
23	1230	60.35	18800	1.25	BR BRF 87 D100L4
27	1080	52.82	19500	1.45	
29	970	47.58	19900	1.50	
34	850	41.74	19400	1.80	
38	750	36.84	18700	2.1	
43	670	32.66	18100	2.3	
50	570	27.88	17400	2.6	
41	705	34.49	18400	2.1	
45	640	31.49	17900	2.4	
50	570	27.84	17400	2.7	
60	480	23.40	16500	3.2	BR BRF 87 D100L4
65	440	21.51	16100	3.4	
73	390	19.10	15600	3.7	
82	350	17.08	15100	4.0	
91	315	15.35	14600	4.3	
31	940	45.81	8670	0.85	BR BRF 77 D100L4
32	890	43.26	9270	0.95	
38	755	38.83	10500	1.10	
42	685	33.47	11000	1.20	
48	595	29.00	11600	1.40	BR BRF 77 D100L4
55	515	25.23	11300	1.50	
60	480	23.37	11100	1.70	BR BRF 77 D100L4
65	440	21.43	10800	1.85	
74	385	18.80	10500	2.0	
79	365	17.82	10300	2.1	
90	320	15.60	9980	2.3	
100	280	14.05	9700	2.5	
114	250	12.33	9350	2.7	
129	225	10.88	9030	3.0	
145	197	9.64	8720	3.2	
163	176	8.59	8500	3.6	
181	158	7.74	8240	3.8	BR BRF 77 D100L4
208	139	6.79	7920	4.2	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model				
3.0kW									
60	480	23.44	8730	1.15	BR BRF	67	D100L4		
70	405	19.89	8420	1.45			D100L		
78	365	17.95	8230	1.60					
80	325	15.79	7980	1.75					
94	305	14.91	7860	1.80					
110	260	12.70	7550	2.0					
121	235	11.54	7360	2.1					
140	205	10.60	7090	2.3					
52	550	26.97	4330	0.80	BR BRF	57	D100L4 D100L4		
64	450	21.93	4380	1.00	BR BRF	57	D100L4		
75	380	18.60	4300	1.20			D100L4		
83	345	18.79	4290	1.30					
85	380	14.77	4160	1.45	BR BRF	57	D100L4		
100	285	13.95	4130	1.50			D100L4		
118	245	11.88	4010	1.65					
130	220	10.79	3940	1.75					
150	191	9.35	3820	1.95					
155	185	8.06	3810	2.0					
176	163	7.97	3700	2.2					
186	154	7.53	3650	2.3					
218	131	6.41	3520	2.6					
240	119	5.82	3430	2.7					
277	103	5.05	3310	3.0					
319	90	4.39	3190	3.1					
128	225	21.93	3050	2.0	BR BRF	57	D100M2		
151	190	18.60	3820	2.4			D100M2		
167	172	16.79	3730	2.6					
190	151	14.77	3620	2.9					
201	143	13.95	3570	3.0					
236	122	11.88	3440	3.3					
259	110	10.79	3360	3.5					
80	330	16.22	2030	0.85	BR BRF	47	D100L4		
96	300	14.56	2500	0.90			D100L4		
112	255	12.54	3040	0.95					
119	240	11.79	3040	1.00	BR BRF	47	D100L4		
138	210	10.15	2970	1.10			D100L4		
154	186	9.07	2910	1.20					
175	164	8.01	2840	1.25					
181	159	7.76	2740	1.05					
201	143	6.98	2680	1.10					
233	123	6.00	2610	1.25					
248	115	5.64	2580	1.35					
268	99	4.85	2490	1.50					
323	89	4.34	2430	1.85					
365	78	3.83	2360	1.85					
237	121	11.79	2670	2.0			BR BRF	47	D100M2
270	104	10.15	2580	2.2	D100M2				
309	93	9.07	2510	2.4					
349	82	8.01	2430	2.5					
361	79	7.76	2370	2.1					
402	71	6.96	2310	2.2					
467	81	6.00	2220	2.5					
496	58	5.64	2190	2.7					
577	50	4.85	2100	3.0					
646	44	4.34	2040	3.3					
721	39	3.83	1970	3.7					
139	205	10.11	780	0.80	BR BRF	37			D100L4
148	194	9.47	1010	0.85			D100L4		
176	163	7.97	1510	0.95					
210	137	6.67	1250	1.05	BR BRF	37	D100L4		
247	118	5.67	1630	1.25			D100L4		
277	104	5.06	1830	1.30					
324	86	4.32	2070	1.45					
346	83	4.05	2140	1.45					
411	70	3.41	2180	1.60					

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N · m]	传动 比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
3.0kW					
277	103	10.11	2340	1.85	BR BRF 37 D100M2
296	97	9.47	2380	1.70	
351	82	7.87	2280	1.90	
420	68	6.67	2170	2.1	
494	58	5.87	2090	2.5	
553	52	5.06	2030	2.6	
648	44	4.32	1950	2.8	
692	41	4.05	1920	3.0	
821	35	3.41	1840	3.2	
250	115	5.80	360	0.85	BR BRF 27 D100L4
280	102	5.00	615	0.95	
328	87	4.27	910	1.00	
350	82	4.00	1010	1.05	
415	69	3.37	1230	1.15	
425	67	8.50	1280	1.55	BR BRF 27 D100M2
500	57	5.60	1330	1.75	
560	51	5.00	1300	1.85	
656	44	4.27	1260	2.0	
700	41	4.00	1240	2.1	
831	35	3.37	1200	2.3	
212	132	6.45	7130	1.45	BRX BRXF 87 D100L4
252	114	5.56	8830	2.0	
270	104	5.07	8650	2.4	
311	92	4.50	8430	3.2	
370	77	3.78	8100	3.9	
296	97	4.73	5050	1.25	BRX BRXF 77 D100L4
347	83	4.04	4830	1.75	
378	78	3.70	4720	2.0	
431	67	3.25	4550	2.7	
455	63	3.08	4480	3.1	
371	77	3.77	3150	1.15	BRX BRXF 67 D100L4
438	66	3.20	3030	1.55	
485	59	2.89	2950	1.80	
551	52	2.54	2850	2.3	
589	49	2.40	2810	2.5	
685	42	2.04	2690	3.2	
754	38	1.88	2610	3.3	
870	33	1.61	2510	3.5	
1000	29	1.40	2410	3.8	
446	64	3.14	2330	1.00	BRX BRXF 57 D100L4
530	54	2.64	2240	1.30	
591	49	2.37	2180	1.40	
686	42	2.04	2100	1.65	
729	39	1.92	2070	1.75	
847	34	1.65	1990	2.0	
948	30	1.48	1930	2.2	
1075	27	1.30	1870	2.4	
4.0kW					
1.5	21200	861	120000	0.85	BR BRF 167 R97 D112M4
1.9	18700	760	120000	0.95	
2.2	16000	658	120000	1.10	
2.8	12300	503	120000	1.45	
3.8	9190	378	120000	1.95	
4.2	8180	335	120000	2.2	
2.7	13100	533	62500	1.00	BR BRF 147 R87 D112M4
3.1	11300	462	65800	1.15	
3.3	10500	426	67100	1.25	
3.8	9060	368	69100	1.45	
4.4	8010	326	70300	1.60	
5.1	6950	280	71500	1.90	
5.7	6050	247	72200	2.2	
6.7	5220	214	72800	2.5	
7.5	4620	189	73200	2.8	
8.9	3880	159	73800	3.3	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
4.0kW					
2.3	15300	819	48300	0.85	BR BRF 147 R77 D112M4
2.5	13800	558	61000	0.85	
2.9	12100	489	64400	1.10	
3.4	10200	415	67400	1.25	
3.7	9430	381	45400	0.85	BR BRF 137 R77 D112M4
4.4	8000	323	53400	1.00	
4.9	7200	291	55000	1.10	
5.6	6290	255	56600	1.25	
6.3	5520	223	57700	1.45	
3.8	9440	376	45200	0.85	BR BRF 137 R77 D112M4
4.2	8500	339	51800	0.85	
4.8	7450	297	54500	1.05	
7.6	4620	187	27600	0.85	BR BRF 107 R77 D112M4
7.3	4840	193	21400	0.85	
8.2	4330	172	29300	1.00	BR BRF 107 R77 D112M4
4.4	8660	163.31	69500	1.50	
4.9	7790	146.91	70500	1.65	BR BRF 147 D132ML8
5.0	6360	119.86	71900	2.0	
5.6	5800	109.31	72400	2.2	
4.1	9250	174.40	48400	0.85	BR BRF 137 D132ML8
4.6	8290	156.31	52700	0.95	
5.1	7490	141.12	54400	1.05	
5.6	6800	128.18	55700	1.20	
6.3	6030	113.72	57000	1.35	
7.0	5470	103.20	57800	1.45	
4.3	8880	222.60	50300	0.90	BR BRF 137 D132M6
5.1	7500	188.45	54400	1.05	
5.5	6940	174.40	55500	1.15	
6.1	6220	156.31	56700	1.30	
6.8	5620	141.12	57600	1.40	
7.5	5100	128.18	58300	1.55	
8.4	4520	113.72	59000	1.75	BR BRF 137 D132M6
9.3	4110	103.20	59400	1.95	
11	3530	88.70	59900	2.3	
8.2	4640	172.34	27500	0.95	BR BRF 107 D112M4
8.9	4270	158.88	29600	1.05	
10	3820	141.83	31900	1.15	
11	3430	127.88	33400	1.25	
12	3110	115.63	34800	1.40	
14	2760	102.53	35700	1.55	
15	2490	92.70	38200	1.70	
18	2110	78.57	34500	2.0	
19	1960	72.88	34200	2.2	
22	1780	65.60	33200	2.4	
24	1600	59.41	32300	2.7	
27	1420	52.68	31300	3.0	
12	5130	116.48	13800	0.95	BR BRF 97 D112M4
14	2780	103.44	22400	1.10	
15	2490	92.48	24100	1.20	
17	2240	83.15	25400	1.35	
20	1940	72.17	26500	1.55	
22	1750	65.21	26000	1.70	
24	1610	59.92	25500	1.85	
27	1430	53.21	24700	2.1	
30	1280	47.58	24000	2.3	
33	1150	42.78	23400	2.6	
38	1000	37.13	22500	3.0	
43	890	33.25	21800	3.2	
44	860	32.05	21600	3.0	BR BRF 97 D112M4
52	730	27.19	20600	3.5	
57	675	25.03	20100	4.2	
63	600	22.37	19500	4.5	
71	540	20.14	18900	4.8	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model			
4.0kW								
22	1710	63.68	13300	0.90	BR BRF	87	D112M4	
24	1620	60.35	13900	0.95		87	D112M4	
27	1420	52.82	15200	1.10		87	D112M4	
30	1280	47.58	16000	1.20	BR BRF	87	D112M4	
34	1120	41.74	16800	1.40		87	D112M4	
39	980	36.84	17400	1.55		87	D112M4	
43	880	32.66	17500	1.75		87	D112M4	
51	750	27.88	18800	2.0		87	D112M4	
41	930	34.40	17600	1.60		87	D112M4	
45	840	31.40	17400	1.85		87	D112M4	
51	750	27.84	16800	2.1	BR BRF	87	D112M4	
61	630	23.40	16100	2.5		87	D112M4	
66	580	21.51	15700	2.6		87	D112M4	
74	515	19.10	15200	2.8		87	D112M4	
83	460	17.08	14700	3.0		87	D112M4	
92	415	15.35	14300	3.2		87	D112M4	
107	380	13.33	13700	3.8		87	D112M4	
119	320	11.93	13300	3.8		87	D112M4	
39	980	36.83	4670	0.85		BR BRF	77	D112M4
42	900	33.47	9100	0.90			77	D112M4
49	780	29.00	10300	1.05	77		D112M4	
56	680	25.23	10800	1.15	77		D112M4	
61	630	23.37	10600	1.30	BR BRF	77	D112M4	
66	575	21.43	10400	1.40		77	D112M4	
78	505	18.80	10100	1.55		77	D112M4	
80	480	17.82	8950	1.65		77	D112M4	
91	420	15.60	9630	1.75		77	D112M4	
101	380	14.05	9380	1.90		77	D112M4	
115	330	12.33	9070	2.1		77	D112M4	
131	295	10.88	8780	2.3		77	D112M4	
147	260	9.64	8500	2.4		77	D112M4	
165	230	8.59	8320	2.7		77	D112M4	
183	210	7.74	8670	2.9		77	D112M4	
209	183	6.79	7770	3.2		77	D112M4	
237	161	5.99	7490	3.3		77	D112M4	
267	143	5.31	7230	3.6		77	D112M4	
71	535	19.89	7960	1.10	BR BRF	67	D112M4	
79	485	17.95	7800	1.20		67	D112M4	
90	425	15.79	7600	1.30		67	D112M4	
95	400	14.91	7510	1.35		67	D112M4	
112	340	12.70	7240	1.50		67	D112M4	
123	310	11.54	7080	1.60		67	D112M4	
142	270	10.00	6840	1.75		67	D112M4	
163	235	8.70	6600	1.90		67	D112M4	
182	210	7.79	6440	1.80		67	D112M4	
193	198	7.38	6340	1.85		67	D112M4	
227	169	6.27	6070	1.95		67	D112M4	
249	153	5.70	5920	2.0		67	D112M4	
288	133	4.93	5680	2.2		67	D112M4	
331	116	4.29	5460	2.3		67	D112M4	
76	500	18.60	3520	0.90	BR BRF	57	D112M4	
85	450	16.79	3830	1.00		57	D112M4	
96	395	14.77	3800	1.10		57	D112M4	
102	375	13.95	3780	1.15	BR BRF	57	D112M4	
120	320	11.88	3710	1.25		57	D112M4	
132	290	10.79	3660	1.35		57	D112M4	
152	250	9.35	3580	1.45		57	D112M4	
157	245	9.06	3590	1.55		57	D112M4	
178	215	7.97	3500	1.65		57	D112M4	
188	206	7.53	3470	1.75		57	D112M4	
222	172	6.41	3350	1.95		57	D112M4	
244	157	5.82	3280	2.0		57	D112M4	
284	136	5.05	3180	2.2	57	D112M4		
323	118	4.39	3070	2.4	57	D112M4		

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
5.5kW					
3.1	17000	229.71	120000	1.05	BR BRF 167 D160M8
3.8	13800	186.93	120000	1.30	
4.6	11300	153.07	120000	1.80	
5.1	10400	139.98	120000	1.75	
5.6	9010	121.81	120000	2.0	
4.3	12100	163.31	64400	1.10	BR BRF 147 D160M8
4.8	10900	146.91	66500	1.20	
5.8	8870	119.86	69300	1.45	
6.5	8090	109.31	70200	1.60	
5.0	8930	193.21	69200	1.45	BR BRF 147 D132ML6
6.0	8040	146.91	70300	1.60	
6.0	6580	119.86	71700	2.0	
8.6	5980	109.31	72200	2.2	BR BRF 147 D132ML6
10	5180	94.60	72800	2.5	
12	4570	83.47	73200	2.8	
5.5	9480	128.18	44400	0.85	BR BRF 137 D160M8
6.2	8410	113.72	52200	0.95	
6.9	7830	103.20	54200	1.05	
8.0	6560	88.70	56100	1.20	
5.5	9540	174.40	43300	0.85	BR BRF 137 D132ML6
6.1	8550	158.31	51600	0.95	
6.8	7720	141.12	54000	1.05	
7.5	7010	128.18	55300	1.15	
8.4	6220	113.72	58700	1.30	
9.3	5850	103.20	57800	1.40	
6.4	8180	222.60	53000	1.00	
7.6	6920	188.45	55500	1.15	
8.2	6410	174.40	56400	1.25	BR BRF 137 D132S4
9.1	5740	158.31	57400	1.40	
10	5180	141.12	58200	1.55	
11	4710	128.18	58800	1.70	
13	4180	113.72	59300	1.90	BR BRF 137 D132S4
14	3790	103.20	59700	2.1	
16	3260	88.70	60200	2.5	
18	2970	80.91	60400	2.7	
19	2700	73.49	60500	3.0	
22	2390	65.20	60700	3.3	
24	2170	59.17	60900	3.7	
28	1870	50.86	61000	4.3	
11	4690	127.68	27100	0.90	
12	4250	115.63	28800	1.00	
14	3770	102.53	32100	1.15	BR BRF 107 D132S4
16	3400	92.70	33500	1.25	
18	2980	78.57	33500	1.50	
20	2680	72.88	32900	1.60	
22	2410	65.80	32100	1.80	
24	2180	59.41	31300	1.95	
27	1930	52.68	30300	2.2	
30	1750	47.63	29500	2.5	
35	1480	40.37	28200	2.9	
17	3050	83.15	17800	1.00	BR BRF 97 D132S4
20	2650	72.17	21800	1.15	
22	2390	65.21	24600	1.25	
24	2200	59.92	24200	1.35	
27	1950	53.21	23600	1.55	
30	1750	47.58	23000	1.70	
33	1570	42.78	22500	1.90	
39	1360	37.13	21700	2.2	
43	1220	33.25	21100	2.4	
52	1010	27.58	20100	2.6	
45	1180	32.08	20900	2.2	BR BRF 97 D132S4
53	1000	27.19	20000	2.6	
57	920	25.03	19800	3.1	
64	820	22.37	19000	3.3	
71	740	20.14	18400	3.5	
78	670	18.24	17900	3.7	
88	595	16.17	17300	4.0	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
5.5kW					
30	1750	47.58	15400	0.90	BR BRF 87 D132S4
34	1530	41.74	17000	1.00	
39	1350	36.84	17200	1.15	
44	1200	32.66	16700	1.30	
51	1020	27.88	16100	1.45	
51	1020	27.84	16100	1.50	BR BRF 87 D132S4
61	860	23.40	15500	1.60	
66	790	21.51	15200	1.90	
75	700	19.10	14700	2.0	
84	625	17.08	14300	2.2	
93	565	15.35	13900	2.4	
107	490	13.33	13400	2.6	
120	440	11.83	13000	2.8	
144	365	9.90	12300	3.2	
156	335	9.14	12200	3.6	
174	300	8.22	11800	3.6	
200	260	7.13	11300	4.1	
76	690	18.80	9240	1.15	BR BRF 77 D132S4
80	655	17.82	9400	1.20	
92	575	15.60	9150	1.30	
102	515	14.05	8950	1.40	BR BRF 77 D132S4
116	455	12.33	8690	1.50	
131	400	10.88	8440	1.65	
148	355	9.84	8190	1.80	
166	315	8.58	8080	2.0	
186	285	7.74	7880	2.2	
211	250	6.79	7580	2.3	
239	220	5.99	7320	2.5	
268	195	5.31	7070	2.6	
91	580	15.79	6610	0.95	BR BRF 67 D132S4
96	550	14.81	6800	1.00	
113	465	12.70	6810	1.10	
124	425	11.54	6690	1.20	
143	365	10.00	6500	1.30	
164	320	8.70	6310	1.40	
183	285	7.79	6180	1.35	
194	270	7.38	6100	1.35	
228	230	6.27	5860	1.45	
251	210	5.70	5720	1.50	
290	181	4.93	5510	1.60	
333	158	4.29	5310	1.70	
331	159	8.70	5300	2.8	BR BRF 67 D132S2
368	142	7.78	5160	2.7	
391	134	7.38	5080	2.8	
460	114	6.27	4860	2.9	
506	104	5.70	4730	3.0	
584	90	4.93	4540	3.2	
671	78	4.29	4350	3.5	
97	545	14.77	1730	0.80	BR BRF 57 D132S4
103	510	13.95	2070	0.85	
120	435	11.88	2900	0.95	
132	395	10.79	3270	1.00	BR BRF 57 D132S4
153	345	9.35	3240	1.10	
179	295	7.97	3220	1.20	
190	275	7.53	3200	1.25	
223	235	6.41	3120	1.40	
246	215	5.82	3080	1.50	
283	185	5.05	3000	1.65	
326	161	4.39	2920	1.75	
308	171	9.35	2930	2.2	BR BRF 57 D132S2
361	145	7.97	2850	2.4	
383	137	7.53	2820	2.5	
449	117	6.41	2720	2.9	
494	106	5.82	2660	3.0	
571	92	5.05	2560	3.3	
656	80	4.39	2470	3.5	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
5.5kW							
295	178	4.85	1870	0.85	BR BRF	47	D132S4
330	159	4.34	2110	0.90		47	D132S4
373	141	3.83	2080	1.00			
230	230	12.54	1730	1.10	BR BRF	47	D132S2
244	215	11.79	1910	1.15		47	D132S2
284	185	10.15	2250	1.25			
318	165	9.07	2220	1.35			
359	146	8.01	2170	1.40			
480	109	8.00	2000	1.45			
511	103	5.64	1970	1.50			
593	89	4.85	1920	1.70			
664	79	4.34	1870	1.85			
752	70	3.83	1820	2.1			
216	245	6.63	10500	1.90	BRX BRXF	107	D132S4
255	205	5.61	9980	2.2		107	D132S4
276	191	5.19	9760	3.7			
307	171	4.65	9460	4.1			
247	215	5.79	8380	1.85	BRX BRXF	97	D132S4
291	180	4.91	8010	2.2		97	D132S4
316	160	4.52	7820	3.6			
354	149	4.04	7580	4.0			
393	134	3.64	7350	4.4			
434	121	3.30	7140	4.9			
489	107	2.92	6890	5.5			
541	97	2.64	6680	6.1			
638	82	2.24	6360	7.2			
731	72	1.96	6110	7.9			
874	60	1.64	5780	8.4			
1010	52	1.42	5530	8.8			
318	165	4.50	6040	1.75	BRX BRXF	87	D132S4
378	139	3.78	5770	2.2		87	D132S4
411	128	3.48	5640	3.2			
483	113	3.09	5460	3.6			
518	101	2.76	5290	4.0			
576	91	2.48	5130	4.4			
664	79	2.15	4930	4.9			
440	119	3.25	4220	1.50	BRX BRXF	77	D132S4
464	113	3.08	4160	1.70		77	D132S4
530	99	2.70	4030	2.2			
589	89	2.43	3920	2.4			
671	78	2.13	3780	2.6			
761	69	1.88	3660	2.7			
858	61	1.67	3540	2.8			
1005	52	1.42	3380	3.0			
583	93	2.54	2550	1.25	BRX BRXF	67	D132S4
596	88	2.40	2520	1.40		67	D132S4
700	75	2.04	2430	1.80			
770	68	1.86	2380	1.85			
889	59	1.61	2300	1.85			
1020	51	1.40	2220	2.0			
700	75	2.04	665	0.90	BR BRF	57	D132S4
745	71	1.92	755	1.00		57	D132S4
856	61	1.65	940	1.15			
969	54	1.48	1020	1.25			
1085	48	1.30	1160	1.30			
7.5kW							
2.8	23100	503	120000	0.80	BR BRF	167 R97	D132M
3.3	19800	432	120000	0.90		167 R97	D132M
3.8	17300	376	120000	1.05			
4.3	15400	335	120000	1.15			
4.7	13900	303	120000	1.30			
5.1	12800	279	120000	1.40			
4.4	15000	326	50100	0.85	BR BRF	147 R87	D132M
5.1	12900	280	62900	1.00		147 R87	D132M
5.8	11400	247	85700	1.15			
6.7	9810	214	68000	1.30			
7.6	8680	189	69500	1.50			
9.0	7290	159	71000	1.80			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
7.5kW					
45	1610	32.05	20000	1.60	BR BRF 97 D132M4
53	1380	27.19	19300	1.90	
57	1250	25.03	18900	2.3	
64	1120	22.37	18400	2.4	
71	1010	20.14	17900	2.6	
78	910	18.24	17500	2.7	
39	1840	36.84	11500	0.85	BR BRF 87 D132M4
44	1640	32.66	15700	0.95	
51	1400	27.88	15200	1.05	
51	1380	27.84	15200	1.10	BR BRF 87 D132M4
61	1170	23.40	14700	1.30	
66	1080	21.51	14500	1.40	
75	960	19.10	14100	1.50	
84	860	17.08	13700	1.65	
93	770	15.35	12600	1.75	
107	670	13.33	12600	1.90	
120	600	11.93	12600	2.1	
144	495	9.90	12000	2.4	
156	460	9.14	11800	2.6	
174	410	8.22	11600	2.8	
200	355	7.13	11100	3.0	
224	320	6.39	10600	3.2	
270	255	5.30	10200	3.4	
76	940	18.80	5310	0.85	BR BRF 77 D132M4
80	890	17.82	5720	0.85	
92	780	15.60	6810	0.95	
102	705	14.05	7180	1.00	
116	615	12.33	7760	1.10	
131	545	10.88	8010	1.20	
148	485	9.64	7810	1.30	
166	430	8.59	7620	1.45	
185	390	7.74	7580	1.55	
211	340	6.79	7340	1.70	
239	300	5.99	7110	1.80	
269	265	5.31	6890	1.90	
113	635	12.70	4240	0.80	BR BRF 67 D132M4
124	580	11.54	4860	0.85	
143	500	10.00	5620	0.95	
164	435	8.70	5930	1.00	
183	390	7.79	5500	0.95	
194	370	7.36	5720	1.00	
228	315	6.27	5800	1.05	
251	285	5.70	5480	1.10	
290	245	4.93	5300	1.15	
333	215	4.29	5130	1.25	
179	400	7.97	980	0.90	BR BRF 57 D132M4
190	375	7.53	1280	0.95	
223	320	6.41	2020	1.05	
240	290	5.82	2380	1.10	
283	255	5.06	2760	1.20	
326	220	4.39	2710	1.25	
196	365	14.77	2580	1.20	BR BRF 57 D132M2
208	345	13.95	2780	1.25	
244	295	11.88	2780	1.40	
269	265	10.79	2750	1.45	
310	230	9.38	2710	1.60	
364	197	7.97	2670	1.80	
385	186	7.53	2640	1.90	
452	158	6.41	2570	2.1	
498	144	5.82	2520	2.2	
575	125	5.06	2440	2.5	
660	108	4.39	2370	2.8	
210	330	6.83	10100	1.40	BRX BRXF 107 D132M4
255	280	5.81	9890	1.60	
276	260	5.19	9490	2.7	
307	235	4.86	9210	3.0	
340	210	4.20	8950	3.9	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
7.5kW							
247	290	5.79	8080	1.45	BRX BRXF	97	D132M4
291	245	4.91	7750	1.60			
316	225	4.52	7580	2.6			
354	205	4.04	7360	2.9			
393	182	3.64	7160	3.3			
434	165	3.30	6980	3.6			
489	140	2.92	6730	4.1			
318	225	4.50	5760	1.30	BRX BRXF	87	D132M4
378	189	3.78	5530	1.60			
411	174	3.48	5420	2.3			
463	155	3.09	5280	2.8			
518	138	2.76	5110	2.9			
576	124	2.48	4970	3.3			
664	108	2.15	4780	3.6			
741	97	1.93	4640	3.7			
894	80	1.50	4400	3.9			
1030	70	1.39	4230	4.2			
440	163	3.25	3820	1.10	BRX BRXF	77	D132M4
464	154	3.08	3890	1.25			
530	135	2.70	3820	1.60			
589	122	2.43	3730	1.75			
671	107	2.13	3620	1.85			
761	94	1.88	3510	2.0			
858	84	1.67	3400	2.1			
1005	71	1.42	3260	2.2			
563	127	2.54	1500	0.95	BRX BRXF	67	D132M4
596	120	2.40	1610	1.00			
700	102	2.04	1810	1.30			
770	93	1.86	1930	1.35			
889	81	1.81	2060	1.40			
1020	70	1.40	2080	1.50			
9.2kW							
3.8	21100	3.76	120000	0.85	BR BRF	167R97	D132ML4
4.3	18800	335	120000	0.95			
4.8	16900	303	120000	1.05			
5.2	15600	278	120000	1.15			
5.1	15700	280	40800	0.85	BR BRF	147R87	D132ML4
5.8	13900	247	60800	0.95			
6.7	12000	214	84600	1.10			
7.6	10800	189	68900	1.25			
9.1	8900	159	69300	1.45			
8.8	8980	163.31	67800	1.30	BR BRF	147	D132ML4
9.8	8960	145.91	69200	1.45			
12	7310	119.86	71000	1.80			
13	6670	109.31	71600	1.85	BR BRF	147	D132ML4
15	5770	94.60	72400	2.2			
17	5090	83.47	72800	2.5			
20	4400	72.09	73300	3.0			
22	4090	66.89	73500	3.2			
9.2	9540	156.31	43400	0.85	BR BRF	137	D132ML4
10	8610	141.12	51400	0.95			
11	7820	128.72	53800	1.00			
13	6940	113.72	55500	1.15			
14	6300	103.20	56600	1.25	BR BRF	137	D132ML4
16	5410	88.70	57900	1.50			
18	4940	80.91	58500	1.60			
20	4480	73.49	59000	1.80			
22	3980	66.20	59500	2.0			
24	3610	59.17	59900	2.2			
28	3100	50.88	60300	2.8			
32	2710	44.39	60500	3.0			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
9.2kW					
18	4790	78.57	23300	0.90	BR BRF 107 D132ML4
20	4450	72.88	28600	0.95	
22	4000	65.60	28400	1.05	
24	3820	59.41	28800	1.20	
27	3210	52.68	28100	1.35	
30	2910	47.83	27500	1.50	
36	2460	40.37	26500	1.75	
41	2150	35.26	25700	2.0	
49	1800	29.48	24600	2.4	
47	1880	30.77	24900	2.3	BR BRF 107 D132ML4
52	1680	27.58	24200	2.6	
58	1520	24.90	23500	2.8	
64	1380	22.62	23000	3.1	
72	1220	20.07	22200	3.5	
27	3250	53.21	3280	0.90	BR BRF 97 D132ML4
30	2900	47.58	20800	1.05	
34	2610	42.78	20300	1.15	BR BRF 97 D132ML4
39	2270	37.13	19800	1.30	
43	2030	33.25	19400	1.40	
52	1680	27.58	18700	1.60	
58	1530	25.03	18300	1.65	BR BRF 97 D132ML4
64	1370	22.37	17900	2.0	
71	1230	20.14	17400	2.1	
79	1110	18.24	17000	2.2	
89	990	16.17	16500	2.4	
98	896	14.62	16100	2.6	
116	755	12.39	15400	2.9	
67	1310	21.51	13900	1.15	BR BRF 87 D132ML4
75	1170	19.10	13600	1.25	
84	1040	17.08	13200	1.35	
94	940	15.35	13000	1.45	
108	810	13.33	12600	1.55	
121	730	11.93	12200	1.70	
145	605	9.90	11700	1.95	
158	560	9.14	11700	2.2	
175	500	8.22	11400	2.3	
202	435	7.13	10900	2.5	
225	390	6.39	10600	2.6	BR BRF 77 D132ML4
102	880	14.05	4740	0.85	
117	750	12.33	5610	0.90	
132	665	10.88	6280	1.00	
149	590	9.64	6800	1.05	
186	470	7.74	8300	1.30	BR BRF 77 D132ML4
212	415	8.79	8720	1.40	
240	366	5.99	8920	1.50	
271	325	5.31	8720	1.55	
277	315	5.19	9240	2.2	BRX BRXF 107 D132ML4
310	285	4.65	8990	2.5	
343	258	4.20	8780	3.2	
377	235	3.81	8540	3.6	
425	205	3.38	8270	4.0	
318	275	4.62	7370	2.2	BRX BRXF 97 D132ML4
356	245	4.04	7170	2.4	
396	220	3.64	6980	2.7	
437	200	3.30	6800	3.0	
493	178	2.92	6590	3.3	
545	161	2.64	6410	3.7	
643	137	2.24	6120	4.3	
736	119	1.95	5890	4.8	
880	100	1.64	5590	5.1	
1015	86	1.42	5300	5.3	

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输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
11.0kW					
10	10300	142.12	23300	0.80	BR BRF 137 D160M4
11	9350	128.18	48900	0.85	
13	8300	113.72	52700	0.98	
14	7530	103.20	54400	1.05	
16	6470	88.70	55900	1.25	
18	5900	80.91	57200	1.35	
20	5360	73.49	57900	1.50	
22	4780	65.20	58700	1.70	
24	4320	59.17	59200	1.85	
28	3710	50.86	59800	2.2	
32	3240	44.39	60200	2.5	
36	2750	37.65	60500	2.9	
44	2400	32.91	60700	3.3	
22	4790	65.80	23700	0.90	BR BRF 107 D160M4
24	4330	59.41	27600	1.00	
27	3840	52.68	27100	1.10	
30	3470	47.63	26600	1.25	
36	2940	40.37	25700	1.45	
41	2570	35.26	25000	1.65	BR BRF 107 D160M4
49	2150	29.49	24000	2.0	
47	2240	30.77	24200	1.90	
52	2010	27.58	23600	2.1	
58	1820	24.90	23100	2.4	
64	1650	22.62	22500	2.6	BR BRF 107 D160M4
72	1460	20.07	21800	2.9	
79	1330	18.21	21300	3.2	
34	3120	42.78	14500	0.95	BR BRF 97 D160M4
39	2710	37.13	18900	1.10	
43	2430	33.25	18600	1.20	
52	2010	27.58	18000	1.35	
58	1830	25.03	17700	1.55	
64	1630	22.37	17300	1.65	BR BRF 97 D160M4
71	1470	20.14	16900	1.80	
79	1330	18.24	16600	1.90	BR BRF 97 D160M4
89	1180	16.17	16100	2.0	
98	1070	14.62	15700	2.2	
118	900	12.39	15100	2.4	
133	790	10.83	14600	2.7	
155	675	9.29	14300	3.0	
172	610	8.39	13900	3.3	
202	520	7.12	13200	3.8	
232	455	6.21	12700	4.2	
67	1570	21.51	13200	0.95	BR BRF 87 D160M4
75	1380	19.10	13000	1.05	
84	1250	17.08	12800	1.10	
94	1120	15.35	12500	1.20	BR BRF 87 D160M4
108	970	13.33	12200	1.30	
121	870	11.93	11900	1.40	
145	720	9.90	11400	1.65	
158	655	9.14	11500	1.80	
175	600	8.22	11200	1.95	
202	520	7.13	10800	2.1	
225	465	6.39	10400	2.2	
272	385	5.30	9910	2.3	
132	705	10.88	4250	0.85	BR BRF 77 D160M4
149	705	9.64	5000	0.90	
186	565	7.74	4830	1.10	BR BRF 77 D160M4
212	495	6.79	5250	1.15	
240	435	5.89	5720	1.25	
271	390	5.31	6090	1.30	
277	380	5.19	9000	1.85	BRX BRXF 107 D160M4
310	340	4.65	8770	2.0	
343	305	4.20	8560	2.7	
377	280	3.81	8360	3.0	
425	245	3.38	8100	3.4	
469	225	3.07	7900	3.7	
545	193	2.64	7580	4.3	

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
11.0kW							
318	330	4.52	7150	1.80	BRX BRXF	97	D160M4
358	295	4.04	6970	2.0			
395	265	3.64	6800	2.2			
437	240	3.30	6640	2.5			
493	215	2.92	6440	2.8			
545	193	2.64	6280	3.1			
643	163	2.24	6000	3.6			
736	143	1.86	5790	4.0			
880	119	1.64	5500	4.2			
1010	103	1.42	5280	4.4			
414	255	3.48	5030	1.80	BRX BRXF	87	D160M4
468	225	3.09	4910	1.80			
522	200	2.76	4790	2.0			
580	181	2.48	4680	2.2			
669	157	2.15	4530	2.5	BRX BRXF	87	D160M4
747	141	1.93	4400	2.5			
900	117	1.80	4200	2.8			
1035	102	1.39	4050	2.9			
593	177	2.43	1890	1.20	BRX BRXF	77	D160M4
676	155	2.13	2140	1.30			
766	137	1.88	2330	1.35			
864	122	1.67	2460	1.40			
1010	104	1.42	2580	1.50			
15.0kW							
8.4	20700	229	120000	0.85	BR BRF	167 R107	D160L4
7.3	18100	200	120000	1.00			
8.6	15200	169	120000	1.20			
8.4	20800	227	120000	0.85	BR BRF	167 R107	D160L4
7.4	18100	198	120000	1.00			
8.3	22800	153.07	120000	0.80	BR BRF	167	D180L6
8.9	20700	139.98	120000	0.85			
8.0	18000	121.81	120000	1.00			
9.0	15900	107.40	120000	1.15			
6.4	22500	229.71	120000	0.80			
7.8	18300	186.93	120000	1.00	BR BRF	167	D160L4
9.5	15000	153.07	120000	1.20			
10	13700	139.98	120000	1.30			
12	12000	121.81	120000	1.50			
14	10500	107.40	120000	1.70			
16	9140	93.19	120000	1.95			
18	8130	82.81	120000	2.2			
20	7230	73.70	120000	2.5			
22	6610	67.40	120000	2.7			
8.0	18100	109.31	34400	0.80	BR BRF	147	D180L6
10	14000	94.60	60800	0.95			
12	12300	83.47	64000	1.05			
13	10800	72.09	88800	1.20			
14	9890	66.99	67900	1.30			
8.9	16000	163.31	36200	0.80	BR BRF	147	D160L4
9.9	14400	146.91	57400	0.90			
12	11800	119.86	65000	1.10			
13	10700	109.31	66700	1.20			
15	9280	94.60	68800	1.40	BR BRF	147	D160L4
17	8190	83.47	70100	1.60			
20	7070	72.09	71300	1.85			
22	6570	66.99	71700	2.0			
24	5990	61.09	72200	2.2			
28	5190	52.87	72800	2.5			
31	4580	46.65	73200	2.8			
14	10100	103.20	30700	0.80	BR BRF	137	D160L4
16	8700	88.70	51000	0.90			
18	7940	80.91	53500	1.00			
20	7210	73.49	55000	1.10			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	投容 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
15.0kW					
22	6460	85.20	58400	1.25	BR BRF 137 D160L4
25	5800	59.17	57300	1.40	
28	4990	50.86	58400	1.60	
33	4360	44.39	59100	1.85	
39	3690	37.65	59800	2.2	
44	3230	32.91	60200	2.5	
52	2730	27.83	60500	2.8	
31	4670	47.63	24500	0.90	BR BRF 107 D160L4
36	3960	40.37	23900	1.10	
41	3460	35.28	23400	1.25	
50	2890	28.49	22600	1.50	
47	3020	30.77	22800	1.40	BR BRF 107 D160L4
53	2710	27.58	22400	1.60	
59	2440	24.90	21900	1.75	
65	2220	22.62	21400	1.85	
73	1970	20.07	20900	2.2	
80	1790	18.21	20400	2.4	
93	1540	15.65	19700	2.8	
107	1340	13.66	19000	3.2	
53	2710	27.58	18500	1.00	BR BRF 97 D160L4
58	2460	25.03	16300	1.15	BR BRF 97 D160L4
65	2200	22.37	16100	1.25	
72	1980	20.14	15800	1.30	
80	1790	18.24	15600	1.40	
90	1590	16.17	15200	1.50	
100	1430	14.62	14900	1.60	
118	1220	12.39	14400	1.80	
135	1060	10.83	14000	1.95	
157	910	9.29	13800	2.2	
174	820	8.39	13400	2.5	
206	706	7.12	12800	2.9	BR BRF 87 D160L4
235	610	6.21	12400	3.1	
85	1680	17.08	11600	0.85	
95	1510	15.35	11500	0.90	
110	1310	13.33	11300	1.00	
122	1170	11.93	11100	1.05	BR BRF 87 D160L4
147	970	9.90	10700	1.20	
160	900	9.14	11000	1.35	
178	810	8.22	10700	1.45	
206	700	7.13	10300	1.55	
229	625	6.39	10100	1.85	
276	520	5.30	96000	1.75	BRX BRXF 107 D160L4
281	510	5.19	8440	1.35	
314	455	4.65	8260	1.50	
348	410	4.20	8100	2.0	
383	375	3.81	7830	2.2	BRX BRXF 107 D160L4
431	330	3.38	7720	2.5	
475	300	3.07	7540	2.8	
553	250	2.64	7260	3.2	
634	225	2.30	7010	3.7	
747	192	1.95	6710	4.0	
855	168	1.71	6470	4.2	
1010	142	1.44	6170	4.6	BRX BRXF 97 D160L4
323	445	4.52	6660	1.35	
361	396	4.04	6530	1.50	
401	355	3.64	6400	1.65	
443	325	3.30	6270	1.85	
499	285	2.92	6110	2.1	
552	260	2.64	5970	2.3	
632	220	2.24	5730	2.7	
746	192	1.96	5550	3.0	
892	161	1.64	5290	3.2	
1030	139	1.42	5090	3.3	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N · m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model		
18.5kW							
73	2430	20.14	14800	1.05	BR BRF	97	D180M4
80	2200	18.24	14700	1.15			
91	1950	16.17	14500	1.25			
100	1760	14.62	14200	1.30			
118	1480	12.39	13800	1.45			
135	1310	10.83	13500	1.60			
158	1120	9.29	13400	1.80			
175	1010	8.39	13100	2.0			
200	860	7.12	12600	2.3			
236	750	6.21	12100	2.5			
282	625	5.20	11800	2.8	BR BRF	97	D180M4
326	545	4.50	11100	3.0			
110	1610	13.33	10600	0.80			
123	1440	11.93	10400	0.85			
148	1190	9.90	10200	1.00			
160	1100	9.14	10000	1.10			
178	990	8.22	10300	1.15			
205	860	7.13	10000	1.25			
229	770	6.39	9770	1.30			
276	640	5.30	9350	1.40			
349	505	4.20	7710	1.85	BRX BRXF	107	D180M4
384	460	3.81	7580	1.80			
433	410	3.38	7400	2.0			
477	370	3.07	7250	2.2			
555	320	2.64	7010	2.6	BRX BRXF	107	D180M4
636	280	2.30	6780	3.0			
750	235	1.95	6510	3.2			
858	205	1.71	6290	3.4			
1015	174	1.44	6020	3.7	BRX BRXF	97	D180M4
402	440	3.64	6080	1.35			
444	400	3.30	5980	1.50			
501	355	2.92	5830	1.70			
554	320	2.64	5710	1.85			
654	270	2.24	5510	2.2			
749	235	1.96	5350	2.4			
895	197	1.64	5120	2.8			
1035	171	1.42	4940	2.7			
531	335	2.76	3040	1.20	BRX BRXF	87	D180M4
590	300	2.48	3340	1.35			
680	250	2.15	3530	1.50			
760	235	1.93	3820	1.55			
916	193	1.60	3770	1.65			
1055	168	1.39	3870	1.75			
22kW							
9.6	22000	153.07	120000	0.80	BR BRF	167	D180L4
10	20100	139.98	120000	0.90			
12	17500	121.81	120000	1.05			
14	15400	107.49	120000	1.15	BR BRF	167	D180L4
16	13400	93.19	120000	1.35			
18	11900	82.91	120000	1.50			
20	10600	73.70	120000	1.70			
22	9570	67.40	120000	1.85			
25	8410	58.65	120000	2.1			
28	7420	51.76	120000	2.4			
33	6430	44.87	120000	2.8			
13	15700	109.31	41300	0.85	BR BRF	147	D180L4
15	13800	94.60	61500	0.95			
18	12000	83.47	64800	1.10			
20	10300	72.09	67300	1.25			
22	9610	66.99	68300	1.35	BR BRF	147	D180L4
24	8760	61.09	69400	1.50			
28	7580	52.67	70800	1.70			
31	6590	46.65	71600	1.95			
36	5760	40.29	72400	2.2			
41	5110	35.64	72900	2.5			
49	4300	29.95	73400	3.0			

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
22kW					
22	9350	65.26	48900	0.85	BR BRF 137 D180L4
25	8480	59.17	51900	0.95	
29	7290	50.86	54800	1.10	
33	6370	44.39	56500	1.25	
39	5400	37.65	57900	1.50	
45	4720	32.91	58700	1.70	BR BRF 137 D180L4
53	3990	27.83	59500	1.90	
50	4240	29.57	59300	1.85	
61	3460	24.12	60000	2.3	
67	3150	22.00	60200	2.5	
77	2730	19.04	60500	2.9	BR BRF 137 D180L4
87	2410	16.80	60700	3.3	
101	2080	14.51	60900	3.8	
114	1840	12.83	61000	4.3	
42	5080	35.26	7280	0.85	BR BRF 107 D180L4
50	4230	29.49	20400	1.00	
59	3570	24.86	20000	1.20	
65	3240	22.82	19700	1.35	
73	2880	20.07	19300	1.50	
80	2610	18.21	19000	1.65	BR BRF 107 D180L4
94	2240	15.65	18500	1.90	
107	1960	13.66	18000	2.2	
126	1660	11.59	17300	2.6	
145	1450	10.13	16800	3.0	
171	1230	8.58	16100	3.5	
188	1130	7.85	15100	2.6	
220	950	6.66	15400	3.1	
252	840	5.82	14800	3.6	
73	2880	20.14	14000	0.90	BR BRF 97 D180L4
80	2620	18.24	13900	0.95	
91	2320	16.17	13700	1.05	
100	2100	14.62	13600	1.10	
118	1780	12.39	13200	1.25	BR BRF 97 D180L4
135	1550	10.83	13000	1.35	
158	1330	9.29	13100	1.50	
175	1200	8.39	12800	1.70	
206	1020	7.12	12300	1.95	
236	890	6.21	11800	2.1	
282	745	5.20	11400	2.4	
326	645	4.50	10800	2.5	
148	1420	9.90	9640	0.85	BR BRF 87 D180L4
160	1310	9.14	10100	0.90	
178	1180	8.22	9980	1.00	
205	1020	7.13	9700	1.05	
229	920	6.39	9490	1.10	
276	760	5.30	9110	1.20	BRX BRXF 107 D180L4
349	609	4.20	7330	1.40	
384	545	3.81	7230	1.50	
433	485	3.38	7090	1.70	
477	440	3.07	6960	1.90	
555	380	2.64	6760	2.2	BRX BRXF 107 D180L4
636	330	2.30	6560	2.5	
750	280	1.95	6320	2.7	
858	245	1.71	6120	2.8	
1015	205	1.44	5870	3.1	
402	520	3.64	5720	1.15	BR BRF 97 D180L4
444	475	3.30	5820	1.25	
501	420	2.92	5580	1.40	
554	380	2.64	5460	1.55	
654	320	2.24	5300	1.80	
749	280	1.96	5160	2.0	
895	235	1.64	4960	2.2	
1035	205	1.42	4790	2.2	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model	
22kW						
531	395	2.78	1270	1.00	BRX BRXF	87 D180L4
590	355	2.48	1710	1.15		D180L4
680	310	2.15	2180	1.25		D180L4
760	275	1.93	2450	1.36		D180L4
916	230	1.60	2750	1.35		D180L4
1055	200	1.39	3030	1.45		
30kW						
14	20900	107.49	120000	0.85	BR BRF	167 D200L4
16	18200	93.19	120000	1.00		167 D200L4
18	16200	82.91	120000	1.10		
20	14400	73.70	120000	1.25	BR BRF	167 D200L4
22	13100	67.40	120000	1.35		167 D200L4
25	11400	58.65	120000	1.55		
28	10100	51.76	120000	1.80		
33	8740	44.87	120000	2.1		
37	7780	39.92	120000	2.3		
43	6710	34.41	120000	2.7		
53	5450	27.96	120000	3.3		
62	4620	23.71	120000	3.8		
18	16300	83.47	62400	0.80	BR BRF	147 D200L4
20	14000	72.09	60400	0.95		147 D200L4
22	13100	66.99	62500	1.00		
24	11900	61.09	64700	1.10		
28	10300	52.67	67300	1.25	BR BRF	147 D200L4
32	9090	46.65	69000	1.45		147 D200L4
36	7850	40.29	70500	1.65		147 D200L4
41	6950	35.64	71400	1.85		
49	5840	29.95	72300	2.2		
61	4710	24.19	73100	2.5		
72	3980	20.44	73600	3.0		
82	3510	18.04	73800	3.0		
94	3050	15.64	74000	4.3		
29	9910	50.86	35800	0.80	BR BRF	137 D200L4
33	8650	44.39	51200	0.90		137 D200L4
39	7340	37.65	54700	1.10		137 D200L4
45	6410	32.91	56400	1.25		
53	5420	27.83	57900	1.40		
61	4700	24.12	58800	1.70	BR BRF	137 D200L4
67	4290	22.00	59200	1.85		137 D200L4
77	3710	19.04	59800	2.2		137 D200L4
88	3270	16.80	60100	2.4		
101	2830	14.51	59500	2.8	BR BRF	137 D200L4
115	2500	12.83	58400	3.2		137 D200L4
136	2100	10.79	58800	3.8		137 D200L4
194	1480	7.59	53300	3.5		
230	1240	6.38	51300	4.1		
73	3910	20.07	17000	1.10	BR BRF	107 D200L4
81	3550	18.21	17400	1.20		107 D200L4
94	3050	15.65	17100	1.40		107 D200L4
108	2660	13.66	16800	1.60		
127	2280	11.59	16300	1.90		
145	1970	10.13	15900	2.2		
172	1670	8.56	15400	2.6		
187	1530	7.86	15500	1.95		
221	1300	6.66	14900	2.3		
252	1140	5.82	14400	2.6		
298	960	4.82	13700	3.0		
101	2850	14.62	12000	0.80	BR BRF	97 D200L4
119	2420	12.39	11900	0.90		97 D200L4
136	2110	10.83	11800	1.00		97 D200L4
158	1810	9.29	12300	1.10		
175	1640	8.39	12100	1.25		
207	1390	7.12	11700	1.45	BR BRF	97 D200L4
237	1210	6.21	11400	1.55		97 D200L4
293	1010	5.20	10900	1.75		97 D200L4
327	880	4.50	10500	1.85		

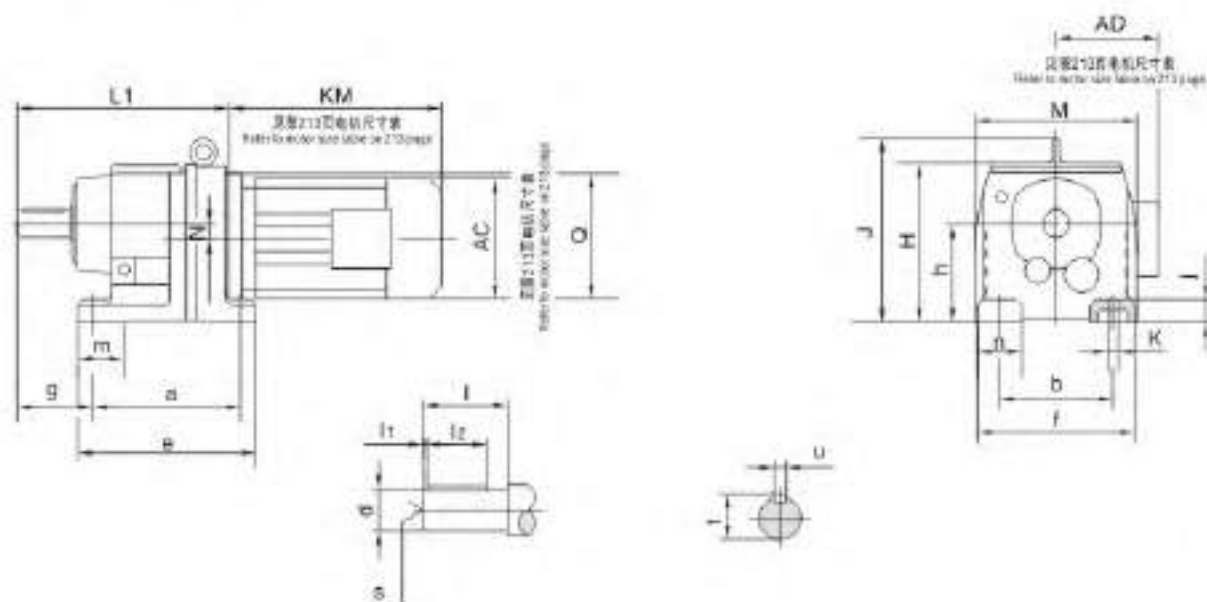
输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
37kW					
434	810	3.38	4470	1.00	BRX BRXF 107 D225M4
479	740	3.07	4950	1.10	
557	635	2.64	5530	1.30	
638	555	2.30	5810	1.50	
752	470	1.95	5490	1.85	
860	410	1.71	5370	1.70	
1020	345	1.44	5220	1.85	
45kW					
20	21500	73.77	120000	0.85	BR 167 D225M4
22	19700	67.40	120000	0.90	
25	17100	58.65	120000	1.05	
28	15100	51.76	120000	1.20	BRF 167 D225M4
33	13100	44.87	120000	1.35	
37	11700	39.92	120000	1.55	
43	10100	34.41	120000	1.80	BR 167 D225M4
53	8170	27.98	120000	2.2	
62	6930	23.71	120000	2.6	
48	8980	30.71	120000	1.10	BR 167 D225M4
60	7180	24.67	120000	1.95	
67	6390	21.85	120000	2.0	
77	5560	19.03	120000	2.9	
87	4960	16.98	120000	3.0	
28	15500	52.67	44400	0.85	BR 147 D225M4
32	13600	46.65	61300	0.95	
36	11800	40.29	65000	1.10	
41	10400	35.84	67200	1.25	
49	8760	29.95	69400	1.50	
61	7070	24.19	71300	1.70	BR 147 D225M4
72	6970	20.44	72200	2.0	
82	5270	18.04	72800	2.0	
94	4570	15.64	73200	2.8	
106	4070	13.91	73500	3.1	
123	3510	11.99	73800	3.7	BR 137 D225M4
203	2120	7.25	74300	4.1	
45	9620	32.91	41700	0.85	BR 137 D225M4
53	8130	27.83	51200	0.95	
61	7050	24.12	52400	1.15	BR 137 D225M4
67	6430	22.60	52900	1.25	
77	5570	19.64	53300	1.45	
88	4910	16.80	53400	1.85	
101	4240	14.51	53200	1.90	
115	3750	12.83	52800	2.1	BR 137 D225M4
136	3150	10.79	51900	2.5	
169	2550	8.71	50500	3.1	
194	2220	7.59	50200	2.3	
230	1860	6.38	48700	2.7	
285	1510	5.15	46700	3.0	
94	4580	15.65	14600	0.95	BR 107 D225M4
108	3990	13.68	14800	1.10	
127	3390	11.53	14400	1.25	
145	2960	10.13	14300	1.45	
172	2500	8.56	14000	1.70	
187	2300	7.86	14400	1.30	
221	1950	6.66	14000	1.50	
252	1700	5.82	13600	1.75	
299	1440	4.92	13100	2.0	
434	990	3.38	1360	0.85	BRX BRFX 107 D225M4
479	900	3.07	2080	0.90	
557	770	2.64	2870	1.10	
638	675	2.30	3640	1.25	
752	570	1.95	4200	1.35	
860	500	1.71	4540	1.40	
1020	420	1.44	4680	1.55	

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
55kW					
25	20900	58.65	120000	0.85	BR BRF 167 D250M4 167 D250M4
29	18400	51.76	120000	1.00	
33	16000	44.87	120000	1.15	
37	14200	39.92	120000	1.25	
43	12300	34.41	120000	1.45	
53	9980	27.96	120000	1.80	
62	8440	23.71	120000	2.1	BR BRF 167 D250M4 167 D250M4
60	8750	24.57	120000	1.80	
68	7780	21.85	120000	1.65	
77	6780	19.03	120000	2.4	
87	6050	16.98	120000	2.5	
102	5150	14.48	120000	3.5	
123	4270	11.99	120000	4.0	BR BRF 167 D250M4 167 D250M4
32	16800	46.65	28800	0.80	
37	14300	40.29	58200	0.90	
41	12700	35.84	63300	1.00	
49	10700	29.95	66800	1.20	
61	8610	24.19	69600	1.40	
72	7280	20.44	71100	1.65	BR BRF 147 D250M4 147 D250M4
82	6420	18.04	71900	1.65	
94	5570	15.64	72500	2.3	
106	4950	13.91	73000	2.5	
123	4270	11.99	73400	3.0	BR BRF 147 D250M4 147 D250M4
151	3470	9.74	73800	3.8	
203	2580	7.25	74200	3.4	
250	2100	5.89	72500	4.1	
77	6780	19.04	47800	1.20	BR BRF 137 D250M4 137 D250M4
88	5980	16.80	48500	1.35	
102	5170	14.51	48900	1.55	
115	4570	12.83	49000	1.75	BR BRF 137 D250M4 137 D250M4
137	3840	10.79	48800	2.1	
169	3100	8.71	48000	2.5	
194	2700	7.59	48100	1.90	
231	2270	6.38	46900	2.2	
286	1830	5.15	45200	2.5	
75kW					
33	21700	44.87	120000	0.85	BR BRF 167 D280S4 167 D280S4
37	19300	39.92	120000	0.95	
43	16700	34.41	120000	1.10	
53	13500	27.96	120000	1.35	
62	11500	23.71	120000	1.55	
60	11900	24.57	120000	1.20	BR BRF 167 D280S4 167 D280S4
68	10600	21.85	120000	1.25	
78	9210	19.03	120000	1.75	
87	8220	16.98	120000	1.85	BR BRF 167 D280S4 167 D280S4
102	7000	14.48	120000	2.6	
123	5800	11.99	116800	2.9	
145	4950	10.24	112800	3.4	
49	14500	29.95	56500	0.90	BR BRF 147 D280S4 147 D280S4
61	11700	24.19	65100	1.00	
72	9800	20.44	67900	1.20	BR BRF 147 D280S4 147 D280S4
82	8730	18.04	69500	1.20	
95	7570	15.64	70800	1.70	
106	6730	13.91	71600	1.85	
123	5800	11.99	72400	2.2	
152	4710	9.74	73100	2.8	BR BRF 147 D280S4 147 D280S4
179	4000	8.26	73500	3.2	
204	3610	7.25	73100	2.5	
251	2850	5.89	70100	3.0	
296	2420	5.00	67600	3.6	
90kW					
37	23200	39.92	120000	0.80	BR BRF 167 D280M4 167 D280M4
43	20000	34.41	120000	0.90	
53	16200	27.96	120000	1.10	
62	13800	23.71	120000	1.30	

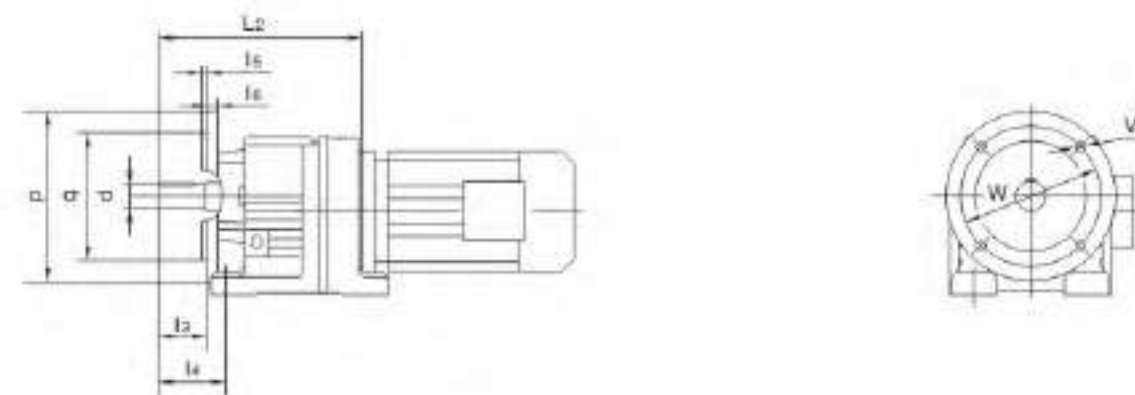
输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
90kW					
60	14300	24.57	120000	1.00	BR 167 D280M4
68	12700	21.85	120000	1.00	
78	11100	19.03	120000	1.45	
87	9850	16.98	120000	1.60	BR 167 D280M4
102	8410	14.48	117300	2.1	
123	6960	11.99	113500	2.4	
145	5940	10.24	110100	2.8	
72	11900	20.44	64800	1.00	BR 147 D280M4
82	10500	18.04	67100	1.00	
95	9080	15.64	69000	1.45	
106	8080	13.91	70200	1.55	BR 147 D280M4
123	6980	11.99	71400	1.85	
152	5660	9.74	72500	2.3	
179	4800	8.26	73000	2.7	
204	4210	7.25	70900	2.1	
251	3420	5.89	68300	2.5	BR 147 D280M4
296	2900	5.00	66100	3.0	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N · m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
110kW							
53	19800	27.96	117100	0.90	BR BRF	167	D315S4
63	16800	23.71	116900	1.05			167
78	13500	19.03	115500	1.20	BR BRF	167	D315S4
87	12000	16.98	114300	1.25			D315S4
103	10200	14.48	112200	1.75			D315S4
124	8980	11.99	109300	2.0			D315S4
145	7240	10.24	108500	2.3			
132kW							
63	20100	23.71	107900	0.90	BR BRF	167	D315M4
							167
78	16200	19.03	108300	1.00	BR BRF	167	D315M4
87	14400	16.98	107800	1.05			D315M4
103	12300	14.48	106700	1.45			D315M4
124	10200	11.99	104700	1.85			D315M4
145	8690	10.24	102600	1.90			
160kW							
103	14900	14.48	99700	1.20	BR BRF	167	D315M4a
124	12300	11.99	98900	1.40			D315M4a
145	10500	10.24	97600	1.60			

BR17..~BR167..



BR17F..~BR87F..



型号 size	a b	e f	g	h	i	k	m n	轴伸尺寸 Shaft dimension				
								d	l	l ₁₂	S	t u
BR17.. BR17F..	110 110	131 135	58	75 _{-0.5}	12	9	28 25	20k6	40	4 32	M6	22.5 6
BR27.. BR27F..	130 110	152 145	75	90 _{-0.5}	18	9	27 32	25k6	50	3.5 40	m10	28 8
BR37.. BR37F..	130 110	160 145	75	90 _{-0.5}	18	9	40 35	25k6	50	3.5 40	m10	28 8
BR47.. BR47F..	165 135	195 170	90	115 _{-0.5}	24	13.5	50 42	30k6	60	3.5 50	m10	33 8
BR57.. BR57F..	165 135	200 190	100	115 _{-0.5}	24	13.5	60 55	35k6	70	7 56	m12	38 10
BR67.. BR67F..	195 150	235 210	100	130 _{-0.5}	30	14	60 60	35k6	70	7 56	m12	38 10
BR77.. BR77F..	205 170	245 230	115	140 _{-0.5}	30	17.5	60 60	40k6	80	5 70	m16	43 12
BR87.. BR87F..	260 215	310 290	140	180 _{-0.5}	45	17.5	90 75	50k6	100	10 80	m16	53.5 14

型号 size	法兰尺寸 flange dimension					H	J	L1	L2	M	N	Q
	P q	l3	l4	l5 l6	V W							
BR17.. BR17F..	120 80j6	40	66	3 8	6.5 100	134	/	207	215	140	0	/
BR27.. BR27F..	120 80j6	50	81	3 8	6.5 100	147	/	193	199	151	3.4	120
BR37.. BR37F..	120 80j6	50	81	3 8	6.6 100	151	/	201	207	145	10.1	120
BR47.. BR47F..	140 95j6	60	90	3 10	9 115	187	/	235	235	178	14	160
BR57.. BR57F..	160 110j6	70	100	3.5 10	9 130	187	/	257	257	202	11.2	160
BR67.. BR67F..	200 130j6	70	100	3.5 12	11 165	212	243	280	280	215	20.7	160
BR77.. BR77F..	250 180j6	80	115	4 15	13.5 215	228	269	300	300	235	15.9	200
BR87.. BR87F..	300 230j6	100	140	4 16	13.5 26.5	295	345	372	372	297	12.6	250

型号 size	a b	e f	g	h	i	k	m n	轴伸尺寸 Shaft dimension					H	J	L M	N	Q
								d	l	l ₁₂	S	t u					
BR97..	310 250	365 340	160	225 _{-0.5}	55	22	100 90	80m6	120	5 110	M20	64 18	368	418	440 348	10.2	300
BR107..	370 290	440 400	185	250 _{-0.5}	65	26	125 110	70m6	140	7.5 125	M20	74.5 20	408	475	495 409	20.4	350
BR137..	410 340	490 450	220	315 ₋₁	70	33	130 110	90m6	170	5 160	M24	95 25	495	562	589 458	25.1	400
BR147..	500 380	590 530	260	355 ₋₁	80	39	150 150	110m6	210	15 180	M24	116 26	565	637	695 540	33.4	450
BR167..	580 500	670 660	270	425 ₋₁	100	39	160 160	120m6	210	5 200	M24	127 32	675	749	790 670	59.9	550

BRF17..~BRF167..

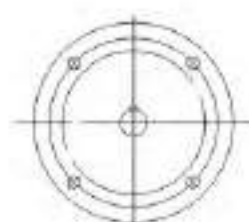
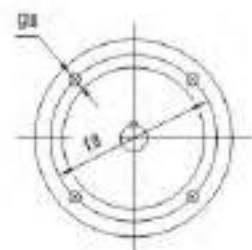
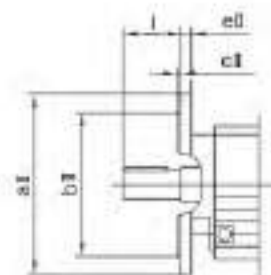


Fig.1

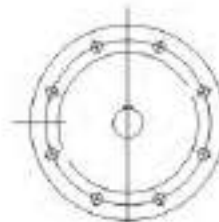
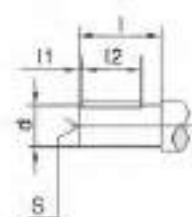


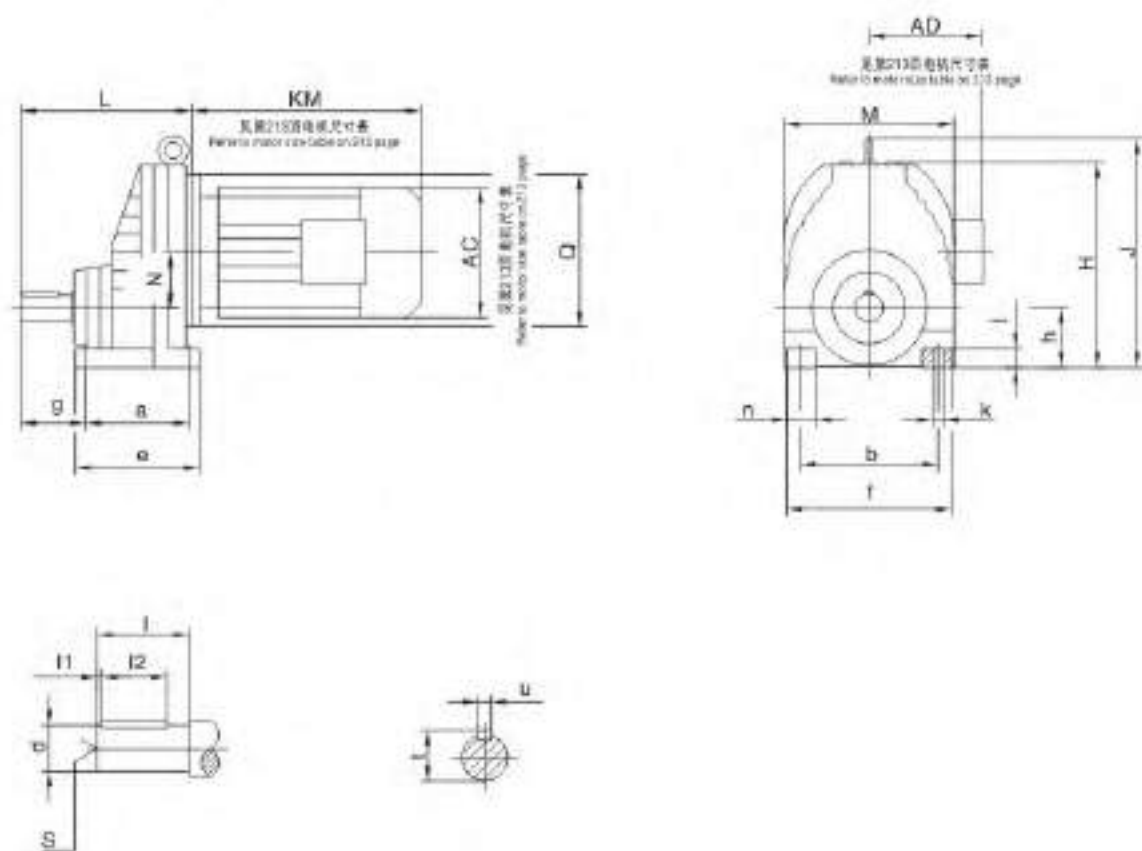
Fig.2

法兰型式
Flange form



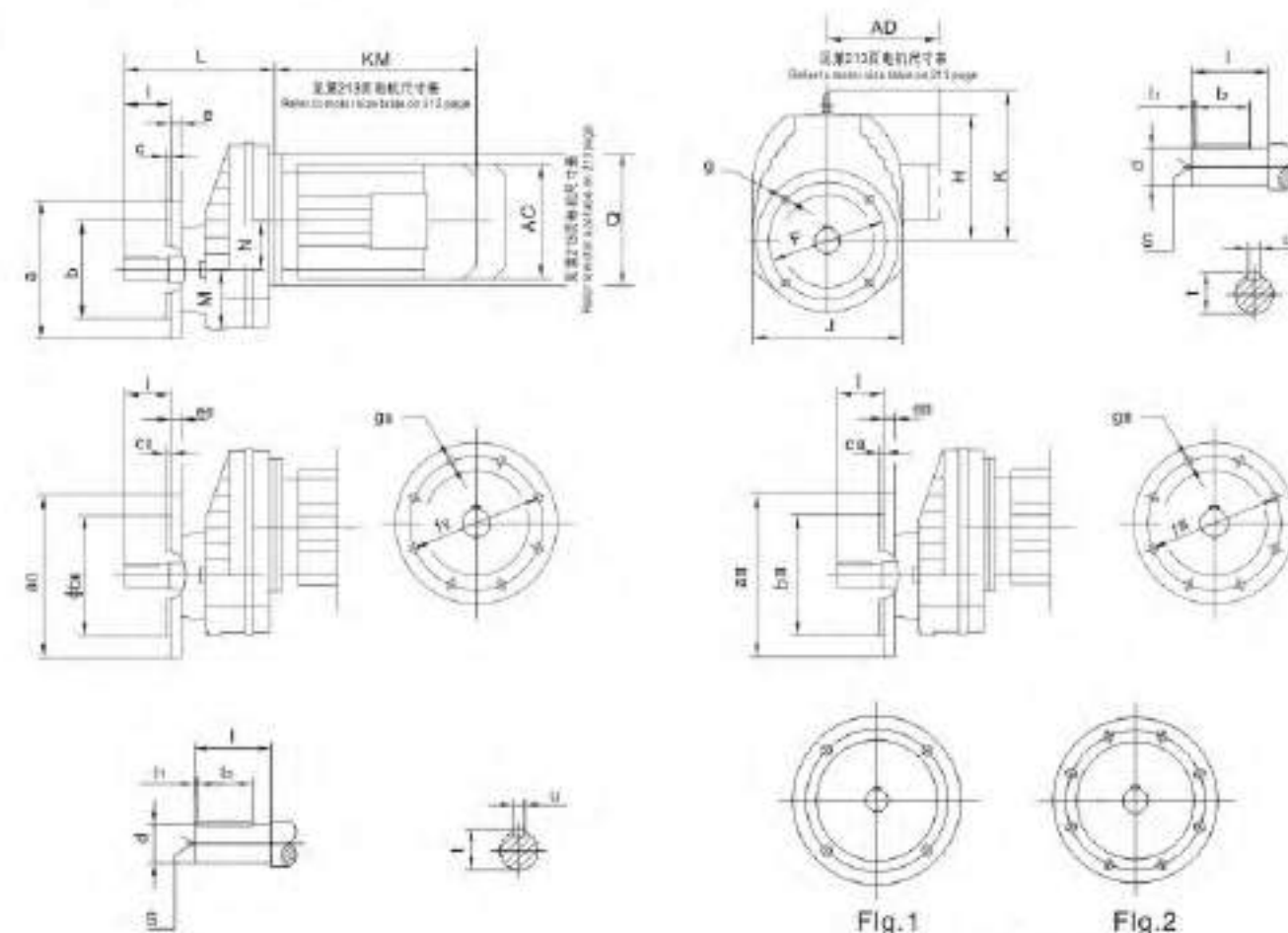
型号 size	法兰 flange dimension	a aII	b bII	c cII	e eII	f fII	g gII	H J K	L M N	Q	轴伸尺寸 Shaftdimension				
											d	i	h h2	s	u
BRF17..	Fig.1	120 140 /	80j6 95j6 /	3 3 /	8 9 /	100 115 /	6.5 8.5 /	76 130 /	215 59 0	/	20k6	40	4 32	M6	22.5 6
BRF27..	Fig.1	120 140 160	80j6 95j6 110j6	3 3 3.5	8 9 10	100 115 130	6.5 8.5 8.5	92 142 /	199 57 3.4	120	25k6	50	3.5 40	m10	28 8
BRF37..	Fig.1	120 160 200	80j6 110j6 130j6	3 3.5 3.5	8 10 12	100 130 165	6.6 9 11	94 161 /	207 61 10.1	120	25k6	50	3.5 40	m10	28 8
BRF47..	Fig.1	140 160 200	95j6 110j6 130j6	3 3.5 3.5	10 10 12	115 130 165	9 9 11	118 178 /	235 72 14	160	30k6	60	3.5 50	m10	33 8
BRF57..	Fig.1	160 200 250	110j6 130j6 180j6	3.5 3.5 4	10 12 15	130 165 215	9 11 13.5	121 202 /	257 72 11.2	160	35k6	70	7 56	m12	38 10
BRF67..	Fig.1	200 250 /	130j6 180j6 /	3.5 4 /	12 15 /	165 215 /	11 13.5 /	134 215 113	280 82 20.7	160	35k6	70	7 56	m12	38 10
BRF77..	Fig.1	250 300 /	180j6 230j6 /	4 4 /	15 18.5 /	215 265 /	13.5 13.5 /	144 235 129	300 88 15.9	200	40k6	80	5 70	m16	43 12
BRF87..	Fig.1	300 350 /	230j6 250h6 /	4 5 /	16 18 /	265 300 /	13.5 17.5 /	184 297 165	372 115 12.6	250	50k6	100	10 80	m16	53.5 14
BRF97..	Fig.1 Fig.2	350 450 /	250h6 350h6 /	5 5 /	18 22 /	300 400 /	17.5 17.5 /	230 348 193	440 144 10.2	300	60m6	120	5 110	m20	64 18
BRF107..	Fig.1 Fig.2	350 450 /	250h6 350h6 /	5 5 /	20 22 /	300 400 /	17.5 17.5 /	255 409 224	495 158 20.4	350	70m6	140	7.5 125	m20	74.5 20
BRF137..	Fig.2	450 550 /	350h6 450h6 /	5 5 /	22 25 /	400 500 /	17.5 17.5 /	320 458 247	589 180 25.1	400	90m6	170	5 160	m24	95 25
BRF147..	Fig.2	450 550 /	350h6 450h6 /	5 5 /	22 25 /	400 500 /	17.5 17.5 /	361 540 285	695 210 33.4	450	110m6	210	15 180	m24	116 28
BRF167..	Fig.2	550 660 /	450h6 550h6 /	5 6 /	25 28 /	500 600 /	17.5 22 /	430 670 324	790 250 59.9	550	120m6	210	5 200	m24	127 32

BRX57..BRX107..



型号 size	a b	e f	g	h	j	k	n	轴伸尺寸 Shaftdimension					H	J	L M	N	Q
								d	i	h js	S	t u					
BRX57..	110 125	137 156	56	63-0.5	18	11	31	20k6	40	3.5 32	M6	22.5 6	202	/	174 162	52	160
BRX67..	120 135	150 170	75	80-0.5	20	13.5	35	25k6	50	3.5 40	M10	28 8	226	/	201 176	60	160
BRX77..	150 170	190 204	85	90-0.5	25	17.5	50	30k6	60	3.5 50	M10	33 8	271	311	227 210	72	200
BRX87..	160 215	206 266	110	100-0.5	30	17.5	60	40k6	80	5 70	M16	43 12	332	372	269 272	93.5	250
BRX97..	185 250	240 320	140	112-0.5	35	22	70	50k6	100	10 80	M16	53.5 14	393	440	316 328	116	300
BRX107..	210 310	260 360	152	140-0.5	45	22	80	60m6	120	5 110	M20	64 18	459	506	364 370	130	350

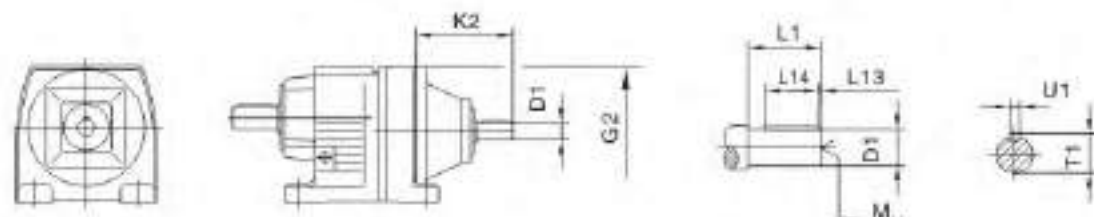
BRXF57..BRXF107..



法兰型式
Flange form

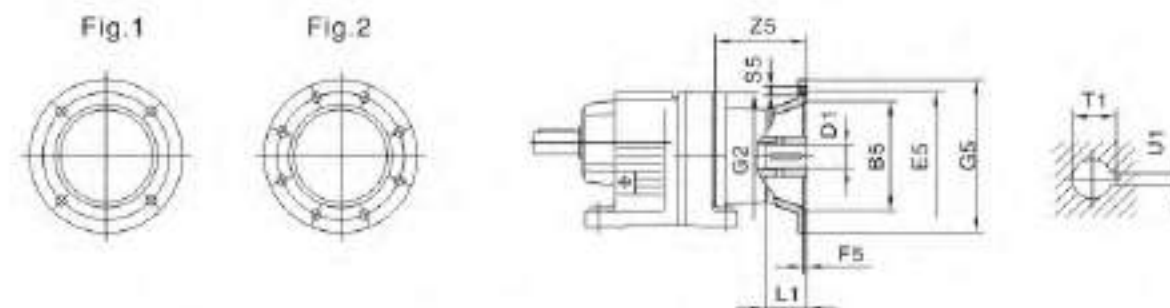
型号 size	法兰 flange dimension	a all all	b b1 b2	c c1 c2	e e1 e2	f f1 f2	g g1 g2	H J K	L M N	Q	轴伸尺寸 Shaftdimension				
											d	i	h js	S	t u
BRXF57..	Fig.1	140 160 200	95j6 110j6 130j6	3 3.5 3.5	10 10 12	115 130 165	9 9 11	139 162 /	174 62 52	160	20k6	40	5 32	M6	22.5 6
BRXF67..	Fig.1	160 200 250	110j6 130j6 180j6	3.5 3.5 4	10 12 15	130 165 215	9 11 13.5	147 175 /	201 70 60	160	25k6	50	3.5 40	M10	28 8
BRXF77..	Fig.1	200 250 /	130j6 180j6 /	3.5 4 /	12 15 /	165 215 /	11 13.5 /	181 210 221	227 78 72	200	30k6	60	3.5 50	50	33 8
BRXF87..	Fig.1	250 300 /	180j6 230j6 /	4 4 /	15 16 /	215 265 /	13.5 13.5 /	232 272 272	269 98 93.5	250	40k6	80	5 70	M16	43 12
BRXF97..	Fig.1	300 350 /	230j6 250h6 /	4 5 /	16 18 /	265 300 /	13.5 17.5 /	281 328 328	316 118 116	300	50k6	100	10 80	M16	53.5 14
BRXF107..	Fig.1 Fig.2	350 450 /	250h6 350h6 /	5 5 /	18 22 /	300 400 /	17.5 17.5 /	319 370 366	364 135 130	350	60m6	120	5 110	M20	64 18

BR..AD..



减速机型号 Gear unit size	联接盘规格 Motor adaptor	G2	K2	D1	L1	L13	L14	T1	U1	M
BR..27 BR..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
BR..47 BR..57 BR..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
BR..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
BR..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
BR..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16
BR..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
	AD6		321	48	110	10	80	51.5	14	M16
BR..137	AD4	400	201	38	80	5	70	41	10	M12
	AD5		274	42	110	10	70	45	12	M16
	AD6		314	48	110	10	80	51.5	14	M16
	AD7		308	55	110	10	90	59	16	M20
BR..147	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
	AD7		300	55	110	10	90	59	16	M20
	AD8		383	70	140	15	110	74.5	20	M20
BR..167	AD5	550	258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

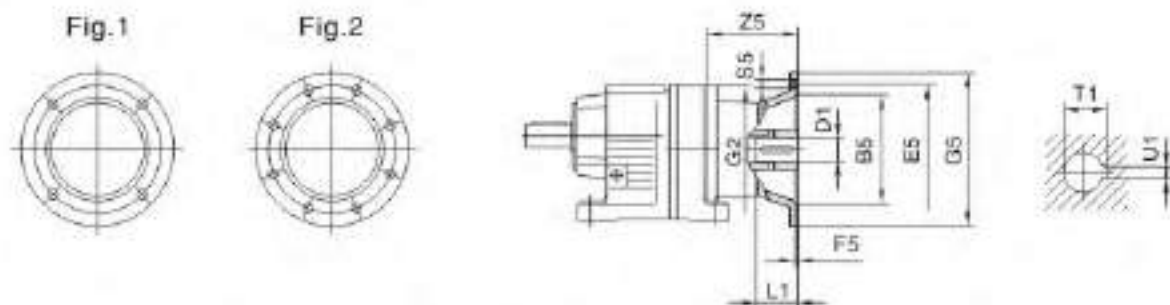
BR..AM..



减速机型号 Gear unit size	联接盘规格 Motor adaptor	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BR..27 BR..37	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71 ¹⁾		110	130			160			14	30	16.3	5
	AM80 ¹⁾		130	165	4.5		200			19	40	21.8	6
	AM90 ¹⁾									24	50	27.3	8
BR..47 BR..57 BR..67	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200			19	40	21.8	6
	AM90									24	50	27.3	8
	AM100 ¹⁾		180	215	5		250			28	60	31.3	8
	AM112 ¹⁾												
BR..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200			19	40	21.8	6
	AM90									24	50	27.3	8
	AM100 ¹⁾		180	215	5		250			28	60	31.3	8
	AM112 ¹⁾												
	AM132S ¹⁾ AM132M ¹⁾ AM132ML ¹⁾		230	265	5		300			38	80	41.3	10
BR..87	AM80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100		180	215	5		250			28	60	31.3	8
	AM112												
	AM132S AM132M AM132ML		230	265	5		300			38	80	41.3	10
	AM160 ¹⁾ AM180 ¹⁾		250	300	6		350			42 48	110	45.3 51.8	12 14
BR..97	AM100	1	180	215	5	300	250	M12	116	28	60	31.3	8
	AM112												
	AM132S AM132M AM132ML		230	265	5		300			38	80	41.3	10
	AM160		250	300	6		350			42 48	110	45.3 51.8	12 14
	AM180												
	AM200		300	350	7		400			55		59.3	16
	AM225 ¹⁾		350	400			450			60	140	64.4	18

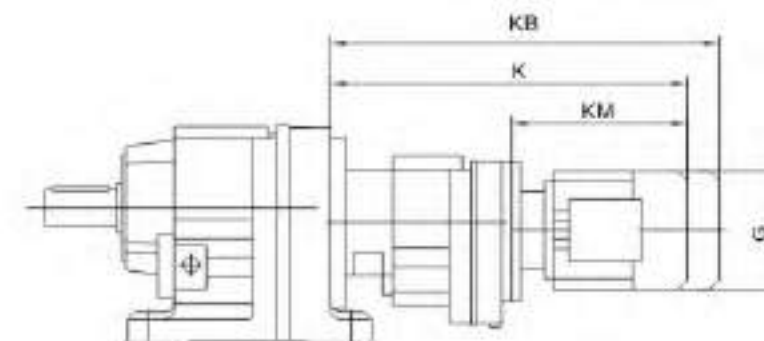
1) 如果安装在BR系列底座安装方式的减速机上，请检查尺寸G5/2，它可能已突出平面。
Dimension G5/2 May protrude past foot mounting surface if mounted on BR foot - mounted gear unit, please check.

BR..AM..



减速机型号 Gear unit size	联接盘规格 Motor adaptor	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1		
BR..107	AM100	1	180	215	5	350	250	M12	110	28	60	31.3	8		
	AM112														
	AM132S AM132M AM132ML		230	265			300	M16	163	38	80	41.3	10		
	AM160													250	300
	AM180	300	350	7	400		M16	262	55	140	59.3	16			
	AM200												350	400	7
	AM225														
	BR..137	AM132S AM132M AM132ML	1	230	265		5	400	300	M12	156	38	80	41.3	10
AM160		250				300									
AM180				300	350				7	400	M16	255	55	140	59.3 64.4
AM200		350				400									
AM225															
BR..147		AM132S AM132M AM132ML	1	230	265	5	450		300	M12	148	38	80	41.3	10
		AM160													
	AM180	300		350	7			400	M16	247	55	140	59.3 64.4	16	
	AM200														350
	AM225	450	500	7	550	M16		336	65 75	140	69.4 79.9	20			
	AM250														
	AM280														
	BR..167	AM160 AM180 AM200	1	250	300	6		550	350	M16	198	42 48	110	45.3 51.8	12
AM225		300					350								
AM250				350	400				7	450	M16	254	60	140	64.4 69.4
AM280		450	500				7								

BR..R..



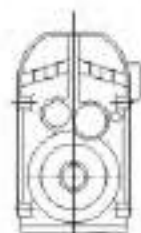
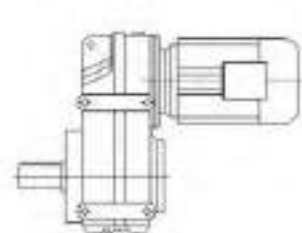
减速机型号 Gear unit size	电机规格 Motor type	G	K	KB	KM
BR..27R17 BR..37R17	D63..	155	368	425	193
	D71D	155	368	433	194
	D80..	155	419	483	244
	D90..	155	400	457	235
BR..47R37 BR..57R37 BR..67R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
BR..77R37	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	155	495	559	279
	D90..	210	495	580	279
BR..87R57	D63..	155	440	497	229
	D71D	155	440	504	229
	D80..	155	490	554	279
	D90..	210	490	575	279
BR..97R57	D100M	210	540	625	329
	D100L	210	560	645	349
	D63..	155	470	527	223
	D71D	155	470	534	223
BR..107R77	D80..	155	520	584	273
	D90..	210	518	603	271
	D100M	210	568	653	321
	D100L	210	588	673	341
BR..137R77	D112M	240	602	682	355
	D132S	240	647	727	400
	D132M	285	699	811	452
	D132ML	285	719	831	472
BR..167R77	D160M	330	749	861	502
	D63..	155	463	520	223
	D71D	155	463	527	223
	D80..	155	513	577	273
BR..147R87	D90..	210	511	596	271
	D100M	210	561	646	321
	D100L	210	581	666	341
	D112M	240	595	675	355
BR..167R97	D132S	240	640	720	400
	D132M	285	692	804	452
	D132ML	285	712	824	472
	D160M	330	742	854	502
BR..147R77	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
	D90..	210	503	568	271
BR..167R97	D100M	210	553	638	321
	D100L	210	573	658	341
	D112M	240	587	667	355
	D132S	240	632	712	400
BR..167R107	D132M	285	684	796	452
	D132ML	285	704	816	472
	D160M	330	734	846	502
	D90..	210	547	632	267
BR..167R97	D100M	210	597	682	317
	D100L	210	617	702	337
	D112M	240	630	710	350
	D132S	240	675	755	395
BR..167R107	D132M	285	727	839	447
	D132ML	285	747	859	467
	D160M	330	777	889	497
	D160L	330	824	980	544
BR..167R107	D180..	380	896	1052	616
	D80..	155	586	650	261
	D90..	210	586	671	261
	D100M	210	636	721	311
BR..167R107	D100L	210	656	741	331
	D112M	240	670	750	345
	D132S	240	715	795	390
	D132M	285	767	879	442
BR..167R107	D132ML	285	787	899	462
	D160M	330	817	929	492
	D160L	330	864	1020	539
	D180..	380	936	1092	611
BR..167R107	D100M	210	687	772	305
	D100L	210	707	792	325
	D112M	240	721	801	339
	D132S	240	766	846	384
BR..167R107	D132M	285	818	930	436
	D132ML	285	838	950	456
	D160M	330	868	980	486
	D160L	330	915	1071	533
BR..167R107	D180..	380	988	1143	605
	D200..	420	1075	1231	693
	D225..	470	1107	1263	725

注: 上表中电机尺寸为参考尺寸, 因空间限制对尺寸有严格要求时请向我公司咨询。
Notes: The dimension of motor in the above table is only for reference. If you have special require, please consult us.

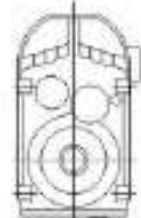
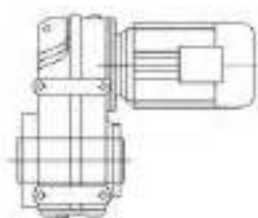
6. BF 平行轴 – 斜齿轮减速电机 BF Parallel shaft – Helical Geared Motor

6.1 设计方案 6.1 Versions of geared motors

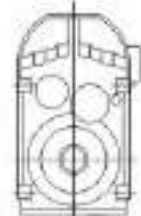
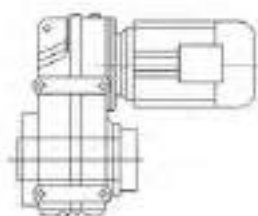
平行轴装式斜齿轮减速电机有以下设计方案:
The following types of Parallel Shaft – Helical Geared Motor can be supplied:



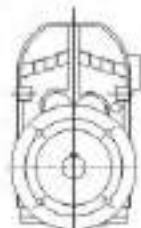
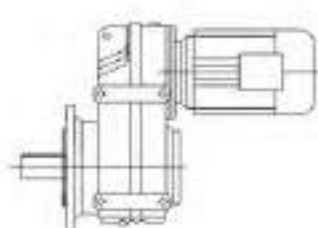
BF..D..
底脚安装平行轴-斜齿轮减速机
Solid shaft
Rail mount with tapped holes



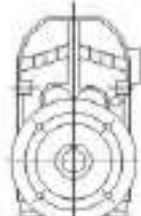
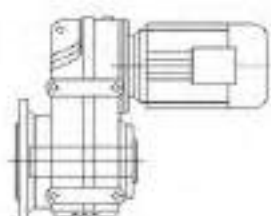
BFA..B D..
底脚空心轴安装平行轴-斜齿轮减速机
Hollow shaft with key
Rail mount with tapped holes
BFV..B D..
底脚花键空心轴安装平行轴-斜齿轮减速机
Splined hollow shaft
Rail mount with tapped holes



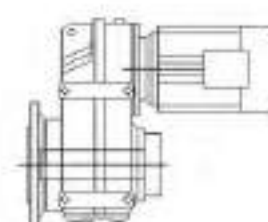
BFH..B D..
底脚空心轴锁紧盘安装平行轴-斜齿轮减速机
Shrink disk hollow shaft
Rail mount with tapped holes



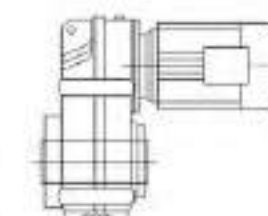
BFF..D..
B5 法兰安装平行轴-斜齿轮减速机
Solid shaft
Flange mounted(D&B5 style flange with through holes)



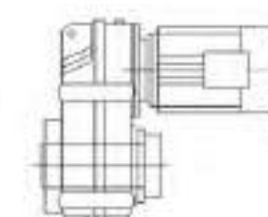
BFAF..D..
B5 法兰空心轴安装平行轴-斜齿轮减速机
Hollow shaft with key
Flange mount(D&B5 style flange with through holes)
BFVF..D..
B5 法兰花键空心轴安装平行轴-斜齿轮减速机
Hollow shaft with key
Flange mount(D&B5 style flange with through holes)



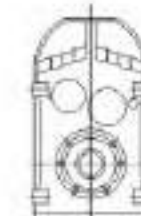
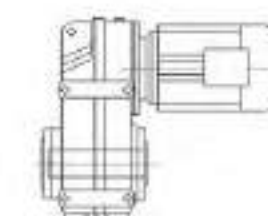
BFHF..D..
B5 法兰空心轴锁紧盘安装平行轴-斜齿轮减速机
Shrink disk hollow shaft
Flange mount(D&B5 style flange with through holes)



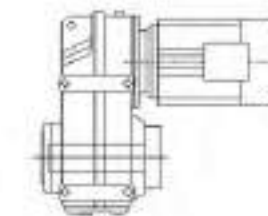
BFA..D..
空心轴安装平行轴-斜齿轮减速机
Hollow shaft with key
Shaft mount
BFV..D..
花键空心轴安装平行轴-斜齿轮减速机
Splined hollow shaft
Shaft mount



BFH..D..
空心轴锁紧盘安装平行轴-斜齿轮减速机
Shrink disk hollow shaft
Shaft mount



BFAZ..D
B14 法兰空心轴安装平行轴-斜齿轮减速机
Hollow shaft with key
Face mount(D&B14 style flange with tapped holes)
BFVZ..D
B14 法兰花键空心轴安装平行轴-斜齿轮减速机
Hollow shaft with key
Face mount(D&B14 style flange with tapped holes)



BFHZ..D
B14 法兰空心轴锁紧盘安装平行轴-斜齿轮减速机
Shrink disk hollow shaft
Face mount(D&B14 style flange with tapped holes)

6.2 可行的组合方式 6.2 Type of combination

以下是平行轴-斜齿轮减速机与交流(带制动)电机的组合列表。表中给出了每种组合的速比范围。
The below is combination table between gear box and electro motor in each list the ratio range.

减速机型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
BF/FF/FA/FAF37	2	4.22-7.44 8.97-23.63	3.77-23.63	3.77-20.57	3.77-6.74 8.01-14.33 17.03			
BF/FF/FA/FAF37	3	23.88-128.51	23.88-100.36	23.88-51.70 58.32-86.53	23.88-31.69 38.31 51.70 58.32 70.50			
BF/FF/FA/FAF47	2	6.34-8.98 13.93-30.86	4.99-30.86	4.99-30.86	4.99-25.72			
BF/FF/FA/FAF47	3	28.88-190.76	28.88-150.06	28.88-130.07	28.88-58.49 68.09-105.09			
BF/FF/FA/FAF57	2	5.58-9.31 13.52-40.13	5.18-34.24	5.18-29.94	5.18-24.96	5.18-21.17		
BF/FF/FA/FAF57	3	30.15-199.70	30.15-157.09	30.15-136.16	30.15-58.97 83.46-110.01	30.15-50.10 83.46-93.47		
BF/FF/FA/FAF67	2	7.53-9.08 18.29-36.30	5.95-9.08 14.46-36.30	3.97-36.30	3.97-32.08	3.97-27.41	3.97-22.05	3.97-22.05
BF/FF/FA/FAF67	3	43.20-228.99	34.01-195.39	34.01-170.85	34.01-142.40	34.01-67.65 90.59-120.79	34.01-53.73 90.59-95.94	34.01-53.73 90.59-95.94
BF/FF/FA/FAF77	2	21.43-36.58	8.26-9.30 17.49-36.58	5.78-9.30 12.20-36.58	4.28-36.58	4.28-31.51	4.28-25.50	4.28-25.50
BF/FF/FA/FAF77	3	48.37-72.50 94.93-281.71	38.23-225.79	25.54-198.31	25.54-166.47	25.54-142.27	25.54-58.32 75.02-114.45	25.54-58.32 75.02-114.45
BF/FF/FA/FAF87	2		23.68-33.92	7.35-8.29 17.12-33.92	5.83-8.29 13.12-33.92	5.83-8.29 13.12-33.92	4.12-33.92	4.12-33.92
BF/FF/FA/FAF87	3		109.49-270.68	39.30-50.36 76.39-270.68	29.20-228.93	29.20-197.20	29.20-159.61	29.20-159.61
BF/FF/FA/FAF97	2			9.06 22.11-43.28	7.07-9.06 17.25-43.28	7.07-9.06 17.25-43.28	4.57-43.28	4.57-43.28
BF/FF/FA/FAF97	3			58.06-72.29 80.31 89.85-97.58 112.99-276.77	44.49-72.29 80.31-276.77	44.49-72.29 80.31-276.77	32.50-223.88	32.50-223.88
BF/FF/FA/FAF107	2				21.76-33.79	21.76-33.79	7.40-9.69 14.67-33.79	7.40-9.69 14.67-33.79
BF/FF/FA/FAF107	3				58.12-83.99 92.47-254.40	58.12-83.99 92.47-254.40	37.61-254.40	37.61-254.40
BF/FF/FA/FAF127	2							7.88-8.86 14.55-26.86
BF/FF/FA/FAF127	3							37.28-170.83

续表 Continued

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180	D200
BF/FF/FA/FAF77	2	4.28-19.70	4.28-19.70			
BF/FF/FA/FAF77	3	25.54-43.58	25.54-43.58			
BF/FF/FA/FAF87	2	4.12-26.50	4.12-26.50	4.12-26.50	4.12-21.32	
BF/FF/FA/FAF87	3	29.20-123.29	29.20-123.29	29.20-123.29	29.20-50.36	
BF/FF/FA/FAF97	2	4.57-33.91	4.57-33.91	4.57-33.91	4.57-27.44	4.57-22.11
BF/FF/FA/FAF97	3	32.50-89.85 102.16-174.87	32.50-89.85 102.16-174.87	32.50-89.85 102.16-174.87	32.50-75.83 86.59 102.16-140.71	32.50-58.06 75.63 86.59 102.16-112.99
BF/FF/FA/FAF107	2	6.22-9.69 12.33-33.79	6.22-9.69 12.33-33.79	6.22-9.69 12.33-33.79	6.22-33.79	6.22-27.57
BF/FF/FA/FAF107	3	31.80-199.31	31.80-199.31	31.80-199.31	31.80-161.28	31.80-74.52 88.49 101.38-129.97
BF/FF/FA/FAF127	2	6.80-8.86 12.54-26.86	6.80-8.86 12.54-26.86	6.80-8.86 12.54-26.86	5.52-26.86	4.68-26.86
BF/FF/FA/FAF127	3	31.33-170.83	31.33-170.83	31.33-170.83	25.30-153.67	25.30-125.37
BF/FF/FA/FAF157	2		16.85-53.55	16.85-53.55	13.98-43.94	11.92-35.75
BF/FF/FA/FAF157	3		40.06-267.43	40.06-267.43	32.55-217.62	27.60-178.20

减速机型号 Gear unit size	级 Stages	D225	D250M	D280	D315	D315M-A/B
BF/FF/FA/FAF107	2	6.22-27.57				
BF/FF/FA/FAF107	3	31.80-74.52 88.49 101.38-129.97				
BF/FF/FA/FAF127	2	4.68-26.86	4.68-21.38	4.68-21.38		
BF/FF/FA/FAF127	3	25.30-125.37	25.30-55.31 75.41-98.95	25.30-55.31 75.41-98.95		
BF/FF/FA/FAF157	2	11.92-35.75	11.92-28.60	11.92-28.60	11.92-22.16	11.92-16.85
BF/FF/FA/FAF157	3	27.60-178.20	27.60-68.28 96.53-141.80	27.60-68.28 96.53-141.80	27.60-52.24 96.53-108.49	27.60-40.06

6.3 速比与最大扭矩 6.3 Ratio and Max.Torque

BF37-57 $n_g=1400$ 1/min

BF37				200Nm
i	n_g [1/min]	M_{max} [Nm]	F_{max} [N]	AD
3-stage				
126.51	11	200	4290	AD ₁
117.88	12	200	4290	
100.36	14	200	4290	
86.53	16	200	4290	
80.65	17	200	4290	
70.50	20	200	4290	
66.09	21	200	4290	
58.32	24	200	4290	
54.54	26	200	4290	
51.70	27	200	4290	
47.02	30	200	4290	AD ₁
43.83	32	200	4290	
38.31	37	200	4290	
35.91	39	200	4290	
31.69	44	200	4290	
28.09	50	200	4060	
23.88	59	200	3760	
2-stage				
23.63	59	200	3740	AD ₂
20.57	68	200	3500	
19.27	73	200	3390	
17.03	82	200	3180	
15.81	89	200	3070	
14.33	98	200	2910	
12.87	109	200	2750	
11.06	126	190	2620	
10.42	134	185	2580	
8.97	156	175	2460	
8.01	175	170	2360	
7.44	188	145	2350	
6.74	208	140	2270	
6.05	231	135	2190	
5.21	269	125	2120	
4.90	286	120	2100	
4.22	332	110	2030	
3.77	372	105	1970	

BF47			400Nm	
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
3-stage				
190.76	7.3	400	5920	AD ₁
175.38	8.0	400	5920	
150.06	9.3	400	5920	
130.07	11	400	5920	
121.57	12	400	5920	
105.09	13	400	5920	
89.29	16	400	5920	
79.72	18	400	5920	
68.09	21	400	5920	
65.36	21	400	5920	AD ₂
56.49	25	400	5920	
48.00	29	400	5920	
42.86	33	400	5920	
36.61	38	400	5920	
34.29	41	400	5920	
28.88	48	400	5790	
2-stage				
30.86	45	400	5920	AD ₂
29.32	48	400	5830	
25.72	54	400	5470	
21.82	64	400	5030	
19.70	71	400	4770	
17.33	81	400	4450	
16.36	86	400	4320	
13.93	100	400	3950	
12.66	111	400	3740	
10.97	128	400	3440	
8.96	156	330	3250	
7.88	178	380	2630	
7.44	188	380	2530	
6.34	221	350	2470	
5.76	243	340	2390	
4.99	281	320	2310	

BF57			600Nm	
i	n_g [1/min]	M_{max} [Nm]	F_{700} [N]	AD
3-stage				
199.70	7.0	600	8200	AD ₁
183.60	7.6	600	8200	
157.09	8.9	600	8200	
136.16	10	600	8200	
127.27	11	600	8200	
110.01	13	600	8200	
93.47	15	600	8200	
83.46	17	600	8200	
72.98	19	600	8200	
68.22	21	600	8200	
58.97	24	600	8200	
50.10	28	600	8200	
44.73	31	600	8200	
38.21	37	600	8200	
35.79	39	600	8200	
30.15	46	590	7650	
2-stage				
40.13	35	290	9710	AD ₂
34.24	41	500	8670	
29.94	47	545	7890	
28.45	49	535	7760	
24.96	56	575	7080	
21.17	66	600	6350	AD ₂
19.11	73	600	6020	
16.81	83	600	5620	
15.86	86	600	5450	
13.52	104	600	4980	
12.29	114	600	4710	
10.64	132	600	4320	
9.31	150	420	4760	
8.19	171	420	4450	
7.73	181	420	4310	
6.58	213	420	3940	
5.96	234	420	3730	
5.18	270	415	3460	

BF67-87 $n_g=1400$ 1/min

BF67			820Nm	
i	n_g [1/min]	M_{max} [Nm]	F_{max} [N]	AD
3-stage				
228.99	6.1	820	10300	AD ₁
195.39	7.2	820	10300	
170.85	8.2	820	10300	
162.31	8.6	820	10300	
142.40	9.8	820	10300	
120.79	12	820	10300	
109.04	13	820	10300	
95.94	15	820	10300	
90.59	15	820	10300	
79.76	18	820	10300	
67.65	21	820	10300	
61.07	23	820	10300	
53.73	26	820	10300	
50.74	28	820	10300	
43.20	32	820	10300	
39.26	36	780	10700	
34.01	41	740	11000	
2-stage				
36.30	39	820	10300	AD ₂
32.08	44	820	10300	AD ₂
27.41	51	820	10300	
25.13	56	820	10300	
22.05	63	820	10300	
20.90	67	820	10300	
18.29	77	820	10300	
16.48	85	820	10300	
14.46	97	820	10300	
12.76	110	820	10300	
11.31	124	820	10300	
9.66	145	820	10300	
9.08	154	530	11400	
8.60	163	570	10900	
7.53	186	610	10100	
6.78	206	620	9660	
5.95	235	610	9200	
5.25	267	590	8850	
4.66	300	560	8590	
3.97	353	500	8390	

BF77			1500Nm	
i	n, [1/min]	M _{max} [Nm]	F _{max} [N]	AD
3-stage				
281.71	5.0	1500	15700	AD ₁
262.93	5.3	1500	15700	
225.79	6.2	1500	15700	
198.31	7.1	1500	15700	
188.40	7.4	1500	15700	
166.47	8.4	1500	15700	
142.27	9.8	1500	15700	
130.42	11	1500	15700	
114.45	12	1500	15700	
108.46	13	1500	15700	
94.93	15	1500	15700	
85.52	16	1500	15700	
75.02	19	1500	15700	
72.50	19	1500	15700	
66.46	21	1500	15700	
58.32	24	1500	15700	
55.27	25	1500	15700	
48.37	29	1500	15700	
43.58	32	1500	15700	AD ₂
38.23	37	1500	15700	
33.74	41	1500	15700	
29.91	47	1500	15700	
25.54	55	1450	16100	
2-stage				
36.58	38	1110	17900	AD ₁
31.51	44	1380	16500	
28.75	49	1430	16200	
25.50	55	1500	15700	AD ₂
21.43	65	1500	15700	
19.70	71	1500	15700	
17.49	80	1500	15700	
15.64	90	1500	15700	
14.06	100	1500	15700	
12.20	115	1500	14900	
10.93	128	1500	14200	
9.30	151	1080	13800	
8.26	169	1080	13100	
7.39	189	1080	12500	
6.64	211	1080	12000	
5.76	243	1080	11300	
5.16	271	1080	10700	
4.28	327	1010	10200	

BF87			3000Nm	
i	n_g [1/min]	M_{max} [Nm]	F_{max} [N]	AD
3-stage				
270.68	5.2	3000	19800	AD ₁
255.37	5.5	3000	19800	
228.93	6.1	3000	19800	
197.20	7.1	3000	19800	
179.97	7.8	3000	19800	
159.61	8.8	3000	19800	
134.16	10	3000	19800	
123.29	11	3000	19800	
109.49	13	3000	19800	
97.89	14	3000	19800	
88.01	16	3000	19800	AD ₁
76.39	18	3000	19800	
68.40	20	3000	19800	AD ₁
56.75	25	3000	17700	
50.36	28	2940	16900	
45.28	31	2820	16200	
39.30	36	2720	15400	AD ₁
35.19	40	2610	14900	
29.20	48	2510	13800	
2-stage				
33.92	41	2610	14600	AD ₁
28.78	49	2450	13900	
26.50	53	3000	11100	AD ₁
23.68	59	3000	10300	
21.32	66	3000	9530	
19.31	73	3000	8840	
17.12	82	3000	8040	
15.48	90	3000	7390	
13.12	107	3000	6370	
11.46	122	3000	5580	
9.58	146	2880	5050	
8.29	169	1530	8680	
7.35	190	1530	8280	
6.85	211	1530	7790	
5.63	248	1530	7020	
4.92	284	1530	6430	
4.12	340	1480	5980	

BF97-127 $n_e=1400$ 1/min

BF97				4300Nm
i	n_e [1/min]	M_{max} [Nm]	F_{in} [N]	AD
3-stage				
276.77	5.1	4300	29900	AD ₁
253.41	5.5	4300	29900	
223.88	6.3	4300	29900	
189.92	7.4	4300	29900	
174.87	8.0	4300	29900	
158.30	9.0	4300	29900	
140.71	9.9	4300	29900	
127.42	11	4300	29900	
112.99	12	4300	29900	
102.16	14	4300	29900	
97.58	14	4300	29900	
89.85	16	4300	29900	
86.59	16	4300	29900	AD ₂
80.31	17	4300	29900	
75.63	19	4300	29900	
72.29	19	4300	29900	
65.47	21	4300	29900	
58.06	24	4300	27200	AD ₃
52.49	27	4300	25800	
44.49	31	4300	23600	
38.86	36	4300	21900	
32.50	43	4300	19800	
2-stage				
43.28	32	3070	27600	AD ₄
36.64	38	3070	25500	
33.91	41	4300	20300	AD ₅
30.39	46	4300	19000	
27.44	51	4300	17900	
24.92	56	4300	16800	
22.11	63	4300	15600	
20.07	70	4300	14600	
17.25	81	4300	13200	
15.06	93	4300	11900	
12.77	110	4300	10500	AD ₆
11.16	125	4100	10000	
9.06	154	2360	13600	
8.22	170	2360	12800	
7.07	198	2360	11700	
6.17	227	2250	11200	
5.23	268	2150	10600	
4.57	306	2050	10100	

BF107			7840Nm	
i	n_e [1/min]	M_{max} [Nm]	F_{in} [N]	AD
3-stage				
254.40	5.5	7680	49800	AD ₁
215.37	6.5	7680	49800	
199.31	7.0	7680	49800	
178.64	7.8	7680	49800	
161.28	8.7	7680	49800	
146.49	9.6	7680	49800	
129.97	11	7680	49800	
117.94	12	7680	49800	
101.38	14	7680	49800	AD ₂
92.47	15	7680	49800	
86.49	16	7680	49800	
83.99	17	7680	49800	
74.52	19	7680	49800	
67.62	21	7680	49800	
58.12	24	7680	47800	
50.73	28	7680	45100	
43.03	33	7680	42000	AD ₃
37.61	37	7680	39500	
31.80	44	7680	36500	
2-stage				
33.79	41	7400	38300	AD ₄
27.57	51	7840	33700	
25.14	58	7840	32200	
21.76	64	7840	30000	
19.20	73	7840	28100	
16.58	84	7840	26000	
14.67	95	7680	24700	
12.33	114	7000	24300	
9.96	141	6500	22900	
9.69	144	4910	25400	
8.37	167	4800	24000	
7.40	189	4600	23200	
6.22	225	4600	21100	

BF127			12000Nm	
i	n_e [1/min]	M_{max} [Nm]	F_{in} [N]	AD
3-stage				
170.83	8.2	12000	90000	AD ₁
153.67	9.1	12000	90000	
125.37	11	12000	90000	
114.34	12	12000	88000	
98.95	14	12000	83000	
87.31	16	12000	78900	
75.41	19	12000	74300	
70.07	20	12000	72100	AD ₂
63.91	22	12000	69400	
55.31	25	12000	65300	
48.80	29	12000	61800	
42.15	33	12000	57900	
37.28	38	12000	54800	AD ₃
31.33	45	12000	50600	AD ₄
25.30	55	12000	45700	
2-stage				
26.86	52	8500	55300	AD ₅
24.57	57	8500	53300	
21.38	65	12000	42000	AD ₆
18.87	74	11000	41900	
16.36	86	11000	39000	
14.55	96	11000	36200	
12.54	112	10000	35400	
10.19	137	9500	34000	
8.86	158	7000	36400	
7.88	178	6000	37000	
6.80	206	7000	32200	
5.52	254	6000	31700	
4.68	299	6000	29500	

 BF157, BF37/47R17 $n_e=1400$ 1/min

BF157			18000Nm	
i	n_e [1/min]	M_{max} [Nm]	F_{in} [N]	AD
267.43	5.2	18000	100300	AD ₁
217.62	6.4	18000	100300	
178.20	7.9	18000	100300	
162.96	8.6	18000	100300	
141.80	9.9	18000	100300	
125.14	11	18000	100300	
108.49	13	18000	100300	
96.53	15	18000	100300	
85.80	16	18000	95700	
78.46	18	18000	92300	
68.28	21	18000	87000	
60.25	23	18000	82500	
52.24	27	18000	77500	AD ₂
46.48	30	18000	73600	AD ₃
40.06	35	18000	68900	
32.55	43	18000	62500	
27.60	51	18000	57800	AD ₄
2-stage				
53.55	26	8000	98300	AD ₅
43.94	32	10000	87800	AD ₆
35.75	39	11000	79300	
28.60	49	17000	60800	AD ₇
25.43	55	15000	61500	
22.16	63	18000	51800	
19.77	71	17000	50900	
16.85	83	18000	44900	
13.96	100	17000	42500	
11.92	117	16000	40900	

BF37R17 200Nm			
i	n_e [1/min]	M_{max} [Nm]	F_{in} [N]
8193	0.17	200	4290
7064	0.20	200	4290
6585	0.21	200	4290
5756	0.24	200	4290
4963	0.28	200	4290
4434	0.32	200	4290
3875	0.36	200	4290
3392	0.41	200	4290
2965	0.47	200	4290
2587	0.54	200	4290
2284	0.61	200	4290
1997	0.70	200	4290
1929	0.73	200	4290
1742	0.80	200	4290
1679	0.83	200	4290
1550	0.90	200	4290
1545	0.91	200	4290
1370	1.0	200	4290
1356	1.0	200	4290
1198	1.2	200	4290
1180	1.2	200	4290
1047	1.3	200	4290
1044	1.3	200	4290
915	1.5	200	4290
914	1.5	200	4290
808	1.7	200	4290
807	1.7	200	4290
707	2.0	200	4290
698	2.0	200	4290
617	2.3	200	4290
616	2.3	200	4290
544	2.6	200	4290
538	2.6	200	4290
477	2.9	200	4290
466	3.0	200	4290
412	3.4	200	4290
411	3.4	200	4290
365	3.8	200	4290
364	3.8	200	4290
326	4.3	200	4290
322	4.3	200	4290
285	4.9	200	4290
278	5.0	200	4290
250	5.6	200	4290
242	5.8	200	4290
221	6.3	200	4290
219	6.4	200	4290
195	7.2	200	4290
186	7.5	200	4290
168	8.3	200	4290
167	8.4	200	4290
147	9.5	200	4290
145	9.7	200	4290
129	11	200	4290
127	11	200	4290
121	12	200	4290
118	12	200	4290
108	13	200	4290
98	14	200	4290
91	15	200	4290
87	16	200	4290

BF47R17			400Nm
i	n_n [1/min]	M_{max} [Nm]	F_n [N]
12251	0.11	400	5920
10619	0.13	400	5920
9846	0.14	400	5920
8534	0.16	400	5920
7460	0.19	400	5920
6536	0.21	400	5920
5746	0.24	400	5920
5022	0.28	400	5920
4401	0.32	400	5920
3883	0.36	400	5920
3443	0.41	400	5920
2976	0.47	400	5920
2629	0.53	400	5920
2519	0.56	400	5920
2394	0.58	400	5920
2304	0.61	400	5920
2172	0.64	400	5920
2033	0.69	400	5920
2025	0.69	400	5920
1785	0.78	400	5920
1770	0.79	400	5920
1578	0.89	400	5920
1576	0.89	400	5920
1384	1.0	400	5920
1363	1.0	400	5920
1203	1.2	400	5920
1192	1.2	400	5920
1081	1.3	400	5920
1049	1.3	400	5920
931	1.5	400	5920
918	1.5	400	5920
822	1.7	400	5920
809	1.7	400	5920
706	2.0	400	5920
700	2.0	400	5920
622	2.3	400	5920
619	2.3	400	5920
543	2.6	400	5920
524	2.7	400	5920
489	2.9	400	5920
475	2.9	400	5920
427	3.3	400	5920
419	3.3	400	5920
381	3.7	400	5920
370	3.8	400	5920
334	4.2	400	5920
324	4.3	400	5920
295	4.7	400	5920
288	4.9	400	5920
263	5.5	400	5920
249	5.6	400	5920
218	6.4	400	5920
217	6.5	400	5920
193	7.3	400	5920
190	7.4	400	5920
178	7.9	400	5920
175	8.0	400	5920
149	9.4	400	5920
147	9.5	400	5920
131	11	400	5920
130	11	400	5920

BF57/67/77R37 $n_s=1400$ 1/min

BF57R37 600Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{Rz} [N]
14832	0.09	600	8200
13604	0.10	600	8200
126.2	0.11	600	8200
11252	0.12	600	8200
9986	0.14	600	8200
8787	0.16	600	8200
7908	0.18	600	8200
6913	0.20	600	8200
6030	0.23	600	8200
5289	0.26	600	8200
4654	0.30	600	8200
4060	0.34	600	8200
3564	0.39	600	8200
3181	0.44	600	8200
2854	0.49	600	8200
2576	0.54	600	8200
2409	0.58	600	8200
2266	0.62	600	8200
2131	0.66	600	8200
2012	0.70	600	8200
1840	0.76	600	8200
1791	0.78	600	8200
1623	0.86	600	8200
1617	0.87	600	8200
1439	0.97	600	8200
1422	0.98	600	8200
1243	1.1	600	8200
1238	1.1	600	8200
1106	1.3	600	8200
1086	1.3	600	8200
987	1.4	600	8200
949	1.5	600	8200
856	1.6	600	8200
851	1.6	600	8200
749	1.9	600	8200
738	1.9	600	8200
658	2.1	600	8200
646	2.2	600	8200
558	2.5	600	8200
549	2.6	600	8200
506	2.8	600	8200
483	2.9	600	8200
452	3.1	600	8200
426	3.3	600	8200
386	3.6	600	8200
382	3.7	600	8200
338	4.1	600	8200
330	4.2	600	8200
298	4.7	600	8200
298	4.7	600	8200
262	5.3	600	8200
255	5.5	600	8200
226	6.2	600	8200
226	6.2	600	8200
201	7.0	600	8200
200	7.0	600	8200
181	7.7	600	8200
170	8.2	600	8200
155	9.0	600	8200
152	9.2	600	8200
134	10	600	8200

BF67R37 820Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{Rz} [N]
19199	0.07	820	10300
17810	0.08	820	10300
14992	0.09	820	10300
12926	0.11	820	10300
11480	0.12	820	10300
10220	0.14	820	10300
8933	0.16	820	10300
7940	0.18	820	10300
7096	0.20	820	10300
6080	0.23	820	10300
5341	0.26	820	10300
4690	0.30	820	10300
4091	0.34	820	10300
3574	0.39	820	10300
3377	0.41	820	10300
3133	0.45	820	10300
2912	0.48	820	10300
2756	0.51	820	10300
2714	0.52	820	10300
2439	0.57	820	10300
2372	0.59	820	10300
2126	0.66	820	10300
2106	0.66	820	10300
1884	0.74	820	10300
1859	0.75	820	10300
1635	0.86	820	10300
1631	0.86	820	10300
1437	0.97	820	10300
1429	0.98	820	10300
1271	1.1	820	10300
1256	1.1	820	10300
1126	1.2	820	10300
1102	1.3	820	10300
984	1.4	820	10300
970	1.4	820	10300
884	1.6	820	10300
858	1.6	820	10300
755	1.9	820	10300
722	1.9	820	10300
641	2.2	820	10300
634	2.2	820	10300
572	2.4	820	10300
539	2.6	820	10300
509	2.8	820	10300
500	2.8	820	10300
454	3.1	820	10300
437	3.2	820	10300
392	3.6	820	10300
384	3.6	820	10300
338	4.1	820	10300
333	4.2	820	10300
305	4.6	820	10300
297	4.7	820	10300
261	5.4	820	10300
257	5.4	820	10300
238	5.9	820	10300
231	6.1	820	10300
205	6.8	820	10300
200	7.0	820	10300
176	8.0	820	10300
175	8.0	820	10300

BF77R37 1500Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{Rz} [N]
19180	0.07	1500	15700
17593	0.08	1500	15700
16128	0.09	1500	15700
14978	0.09	1500	15700
13731	0.10	1500	15700
12049	0.12	1500	15700
11035	0.13	1500	15700
9683	0.14	1500	15700
8464	0.17	1500	15700
7520	0.19	1500	15700
6580	0.21	1500	15700
5808	0.24	1500	15700
5026	0.28	1500	15700
4931	0.28	1110	17900
4523	0.31	1110	17900
4435	0.32	1500	15700
3851	0.36	1110	17900
3832	0.37	1500	15700
3381	0.41	1500	15700
3320	0.42	1110	17900
3085	0.45	1110	17900
2978	0.47	1500	15700
2705	0.52	1110	17900
2613	0.54	1500	15700
2536	0.55	1110	17900
2284	0.61	1500	15700
2238	0.63	1110	17900
2039	0.69	1110	17900
2029	0.69	1500	15700
1759	0.80	1110	17900
1728	0.81	1500	15700
1639	0.85	1110	17900
1544	0.91	1500	15700
1433	0.98	1110	17900
1354	1.0	1500	15700
1343	1.0	1110	17900
1200	1.2	1500	15700
1185	1.2	1110	17900
1053	1.3	1500	15700
1051	1.3	1100	17900
910	1.5	1500	15700
893	1.6	1110	17900
815	1.7	1110	17900
810	1.7	1500	15700
710	2.0	1500	15700
706	2.0	1110	17900
660	2.1	1110	17900
615	2.3	1500	15700
571	2.5	1110	17900
538	2.6	1500	15700
485	2.9	1110	17900
480	2.9	1500	15700
433	3.2	1110	17900
413	3.4	1500	15700
370	3.8	1110	17900
367	3.8	1500	15700
346	4.0	1110	17900
323	4.3	1500	15700
292	4.8	1110	17900
280	5.0	1500	15700
247	5.7	1500	15700
221	6.3	1500	15700
199	7.0	1500	15700

BF87/97R57,BF107R77 $n_s=1400$ 1/min

BF87R57 3000Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{Rz} [N]
23042	0.06	3000	19800
20462	0.07	3000	19800
18238	0.08	3000	19800
16877	0.09	3000	19800
14099	0.10	3000	19800
12205	0.11	3000	19800
10433	0.13	3000	19800
9381	0.15	3000	19800
8142	0.17	3000	19800
7100	0.20	3000	19800
6273	0.22	3000	19800
5510	0.25	3000	19800
4954	0.28	3000	19800
4952	0.28	3000	19800
4582	0.31	3000	19800
4245	0.33	3000	19800
3919	0.36	3000	19800
3721	0.38	3000	19800
3503	0.40	3000	19800
3244	0.43	3000	19800
3196	0.44	3000	19800
2881	0.49	3000	19800
2857	0.49	3000	19800
2576	0.54	3000	19800
2524	0.55	3000	19800
2199	0.64	3000	19800
2134	0.66	3000	19800
1930	0.73	3000	19800
1913	0.73	3000	19800
1717	0.82	3000	19800
1709	0.82	3000	19800
1493	0.94	3000	19800
1476	0.95	3000	19800
1300	1.1	3000	19800
1278	1.1	3000	19800
1148	1.2	3000	19800
1142	1.2	3000	19800
1010	1.4	3000	19800
988	1.4	3000	19800
887	1.6	3000	19800
883	1.6	3000	19800
780	1.8	3000	19800
748	1.9	3000	19800
674	2.1	3000	19800
662	2.1	3000	19800
609	2.3	3000	19800
592	2.4	3000	19800
519	2.7	3000	19800
515	2.7	3000	19800
468	3.0	3000	19800
452	3.1	3000	19800
398	3.6	3000	19800
350	4.0	3000	19800
345	4.1	3000	19800
315	4.4	3000	19800
300	4.7	3000	19800
381	5.0	3000	19800
349	5.6	3000	19800
240	5.8	3000	19800
211	6.6	3000	19800
193	7.3	3000	19800

BF97R57 4300Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{Rz} [N]
29211	0.05	4300	29900
26911	0.05	4300	29900
23814	0.06	4300	29900
20813	0.07	4300	29900
18119	0.08	4300	29900
15472	0.09	4300	29900
14022	0.10	4300	29900
12324	0.11	4300	29900
10838	0.13	4300	29900
9576	0.15	4300	29900
8318	0.17	4300	29900
7228	0.19	4300	29900
6469	0.22	4300	29900
6338	0.22	4300	29900
5880	0.25	4300	29900
5815	0.25	4300	29900
5016	0.28	4300	29900
4981	0.28	4300	29900
4367	0.32	4300	29900
4333	0.32	4300	29900
3914	0.36	4300	29900
3906	0.36	4300	29900
3357	0.42	4300	29900
3352	0.42	4300	29900
3009	0.47	4300	29900
2907	0.48	4300	29900
2553	0.55	4300	29900
2448	0.57	4300	29900
2245	0.62	4300	29900
2199	0.64	4300	29900
1971	0.71	4300	29900
1970	0.71	4300	29900
1741	0.80	4300	29900
1722	0.81	4300	29900

BF127R77, BF127R87, BF157R97 $n_s=1400$ 1/min

BF127R77 12000Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{R1} [N]
24478	0.06	12000	90000
22323	0.06	12000	90000
19048	0.07	12000	90000
16656	0.08	12000	90000
14722	0.10	12000	90000
12912	0.11	12000	90000
11656	0.12	12000	90000
10191	0.14	12000	90000
8831	0.16	12000	90000
7643	0.18	12000	90000
6715	0.21	12000	90000
5925	0.24	12000	90000
5153	0.27	12000	90000
4533	0.31	12000	90000
3926	0.36	12000	90000
3454	0.41	12000	90000
3031	0.46	12000	90000
2672	0.52	12000	90000
2357	0.59	12000	90000
2038	0.69	12000	90000
1784	0.78	12000	90000
1606	0.87	12000	90000
1390	1.0	12000	90000
1220	1.1	12000	90000
1077	1.3	12000	90000
930	1.5	12000	90000
820	1.7	12000	90000
727	1.9	12000	90000
648	2.2	12000	90000
549	2.6	12000	90000
495	2.8	12000	90000
428	3.3	12000	90000
376	3.7	12000	90000

BF127R87 12000Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{R1} [N]
483	2.9	12000	90000
418	3.3	12000	90000
374	3.7	12000	90000
312	4.5	12000	90000
293	4.8	12000	90000
259	5.4	12000	90000
223	6.3	12000	90000
198	7.1	12000	90000
166	8.4	12000	90000

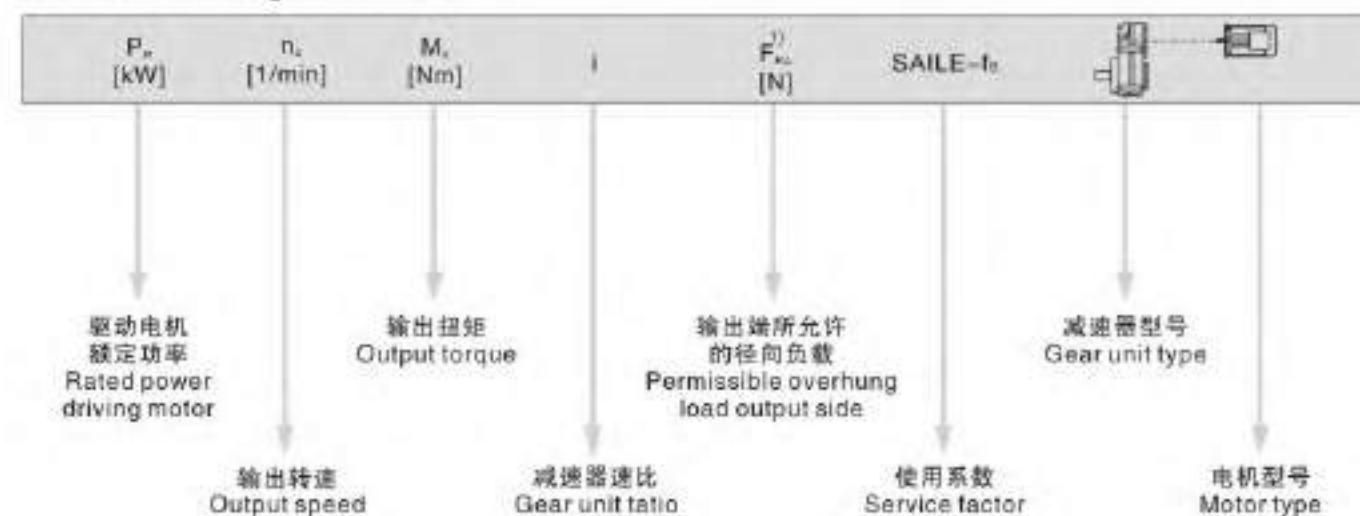
BF157R97 18000Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{R1} [N]
31434	0.04	18000	100300
28173	0.05	18000	100300
23464	0.06	18000	100300
20212	0.07	18000	100300
17984	0.08	18000	100300
16358	0.09	18000	100300
13751	0.10	18000	100300
12235	0.11	18000	100300
10033	0.14	18000	100300
9021	0.16	18000	100300
8026	0.17	18000	100300
7075	0.20	18000	100300
6295	0.22	18000	100300
5404	0.25	18000	100300
4831	0.29	18000	100300
4130	0.34	18000	100300
3607	0.39	18000	100300
3210	0.44	18000	100300
2780	0.50	18000	100300
2427	0.58	18000	100300
2185	0.64	18000	100300
1944	0.72	18000	100300
1674	0.84	18000	100300
1441	0.97	18000	100300
1308	1.1	18000	100300
1169	1.2	18000	100300
953	1.5	18000	100300
845	1.7	18000	100300
764	1.8	18000	100300
680	2.1	18000	100300
576	2.4	18000	100300
503	2.8	18000	100300
446	3.1	18000	100300
353	4.0	18000	100300
302	4.6	18000	100300
273	5.1	18000	100300
232	6.0	18000	100300
202	6.9	18000	100300
197	7.1	18000	100300

6.4 选型表注释

6.4 Selection table

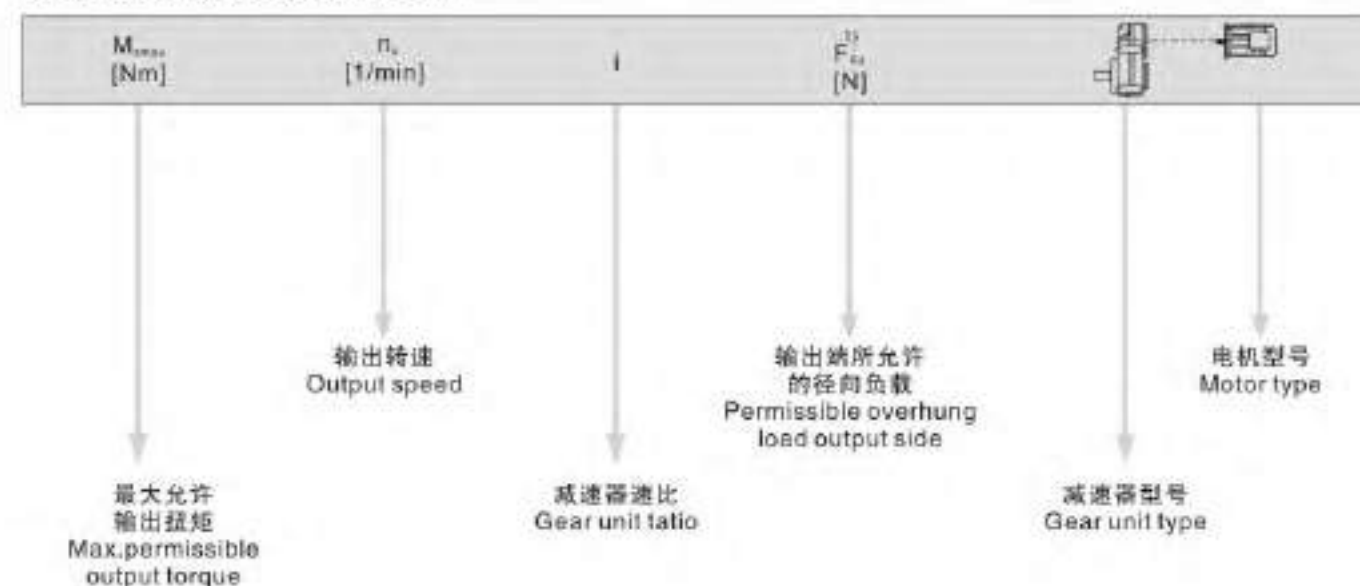
选型表的结构

Selection table for geared motors



对于特殊低输出转速

For particularly low output speeds



图例 Cutline

※ 也可用于EEXe电机。 ※ EEXe motor is optional.

1) 实心轴底脚安装减速机的径向负载

1) Overhung load specified for foot-mounted gear unit with solid shaft

注意: Notice:

对于特殊低输出转速驱动(多级减速电机), 电机功率必须与减速机的最大允许输出扭矩相对应。
In drives for particularly low output speeds (multi-stage geared motor), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.12kW					
0.06	15000	22323	84600	0.80	BFA 127 R77 D63S4
0.07	12800	19048	89300	0.95	
0.08	10800	16858	90000	1.10	
0.09	9870	14722	90000	1.20	
0.11	7980	12912	90000	1.50	
0.12	7090	11656	90000	1.70	
0.14	6300	10191	90000	1.80	BFA 107 R77 D63S4
0.09	9590	14767	44400	0.80	
0.12	7510	11348	50000	1.00	
0.14	5890	10039	54300	1.30	
0.16	4880	8548	50600	1.55	
0.18	4740	7874	58900	1.60	
0.20	4120	6767	58200	1.85	BF 107 R77 D63S4
0.23	3530	5954	59400	2.2	
0.26	3070	5223	60300	2.5	
0.30	2880	4567	60600	2.7	
0.39	2140	3521	81900	3.6	
0.10	4800	7328	23100	0.90	BFA 97 R57 D63S4
0.21	4040	6469	30700	1.05	
0.25	3680	5815	31600	1.15	
0.28	3200	4961	32800	1.35	
0.32	2800	4333	33800	1.55	
0.35	2550	3906	34300	1.70	
0.41	2210	3352	35000	1.95	BFA 97 R57 D63S4
0.47	1820	2907	35700	2.4	
0.54	1670	2553	36000	2.6	
0.28	3250	4854	3640	0.90	BFA 87 R57 D63S4
0.33	2690	4245	24100	1.10	
0.37	2200	3721	25800	1.35	
0.43	2140	3244	26000	1.40	
0.48	1900	2881	26700	1.60	
0.54	1700	2576	27300	1.75	BFA 87 R57 D63S4
0.63	1440	2199	28000	2.1	
0.72	1240	1930	28400	2.4	
0.81	1120	1769	28700	2.7	
0.92	980	1493	29000	3.0	
1.1	785	1300	29400	3.8	BFA 77 R37 D63S4
1.2	710	1148	29800	4.2	
0.53	1750	2613	13800	0.85	BFA 77 R37 D63S4
0.60	1520	2284	15600	1.00	
0.68	1340	2029	16700	1.10	
0.80	1130	1728	17800	1.35	
0.89	1040	1544	18200	1.45	
1.0	910	1354	18600	1.65	BFA 77 R37 D63S4
1.1	810	1200	19000	1.85	
1.3	710	1053	19200	2.1	
1.5	605	910	19500	2.5	
1.7	510	810	19700	2.9	
1.9	445	710	19800	3.4	BFA 67 R37 D63S4
0.97	920	1429	9270	0.80	
1.1	830	1271	10200	1.00	
1.2	700	1102	11300	1.15	
1.4	615	970	11800	1.35	
1.6	540	858	12200	1.50	
1.8	475	756	12500	1.75	BF 67 R37 D63S4
2.2	405	641	12800	2.0	
2.4	375	572	12900	2.2	
2.7	320	509	13000	2.6	
3.2	275	437	13000	3.0	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.12kW					
1.4	655	967	5860	0.90	BFA 57 R37 D63S4
1.8	585	851	9320	1.05	
1.9	600	738	9920	1.20	
2.1	435	646	10400	1.40	
2.5	370	558	10700	1.60	
2.7	330	506	11000	1.80	
3.0	285	452	11200	2.1	BFA 57 R37 D63S4
3.2	295	426	11200	2.0	
3.6	260	382	11300	2.3	
4.2	225	330	11500	2.7	
4.8	200	298	11500	3.0	
5.3	177	262	11500	3.4	
2.2	425	822	3300	0.95	BFA 47 R17 D63S4
2.5	370	543	6320	1.10	
2.9	320	475	6890	1.25	
3.3	280	419	7250	1.45	
2.6	365	524	6390	1.10	BFA 47 R17 D63S4
2.8	340	489	6690	1.20	
3.2	290	427	7130	1.35	
3.6	260	381	7400	1.55	
4.1	225	334	7610	1.75	
4.7	198	285	7780	2.0	
5.4	166	253	7940	2.4	BFA 37 R17 D63S4
4.3	210	322	4130	0.95	
5.0	184	278	4510	1.10	
5.7	157	242	4810	1.30	
6.2	149	221	4890	1.35	
4.2	225	326	3890	0.90	BFA 37 R17 D63S4
4.8	195	285	4370	1.05	
5.5	170	250	4670	1.20	
6.3	150	219	4880	1.35	
7.4	127	186	5080	1.60	
8.3	114	167	5170	1.75	BFA 27 R17 D63S4
3.9	290	228.99	13000	2.8	
4.6	250	196.39	13000	3.3	
5.3	220	170.85	13000	3.8	
5.8	205	162.31	13000	4.0	
6.3	181	142.40	13000	4.5	
4.5	255	199.70	11400	2.4	BFA 57 D63M6
4.9	235	183.60	11500	2.6	
5.7	200	157.09	11500	3.0	
6.6	173	136.16	11500	3.5	
7.1	162	127.27	11500	3.7	
6.9	166	189.70	11500	3.6	BFA 57 D63S4
7.5	153	183.80	11500	3.9	
8.8	130	157.09	11500	4.6	
10	113	136.16	11500	5.3	
4.7	245	190.76	7510	1.65	BFA 47 D63M6
5.1	225	175.38	7640	1.80	
6.0	191	150.06	7820	2.1	
6.9	166	130.07	7940	2.4	
7.4	155	121.57	7990	2.6	
8.8	134	105.09	8070	3.0	BFA 47 D63M6
10	114	89.29	8130	3.5	
11	102	79.72	8160	3.9	
7.2	158	190.76	7970	2.5	BFA 47 D63S4
7.9	146	175.38	8020	2.8	
9.2	125	150.06	8100	3.2	
11	108	130.07	8150	3.7	
7.0	164	128.51	4740	1.20	BFA 37 D63M6
7.6	150	117.88	4880	1.35	
9.0	128	100.36	5070	1.55	
10	110	86.53	5190	1.80	
11	103	80.85	5240	1.95	

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model					
0.12kW										
11	107	128.51	5220	1.85	BFA	37	D63S4			
12	98	117.88	5270	2.0						
14	89	106.36	5340	2.4						
16	72	86.53	5400	2.8						
17	67	80.85	5410	3.0						
20	59	70.50	5440	3.4						
21	55	66.09	5460	3.6						
24	48	58.32	5470	4.1						
25	45	54.54	5480	4.4						
27	43	51.70	5490	4.7						
29	39	47.02	5500	5.1	BFAF	37	D63S4			
31	36	43.83	5500	5.5						
36	32	38.31	5510	6.3						
38	30	35.91	5520	6.7						
44	26	31.69	5520	7.6						
49	23	28.09	5520	8.6						
58	20	23.88	5270	10						
56	20	23.63	5250	10				BFA	37	D63S4
67	17	20.57	5030	12						
72	16	18.27	4930	13						
81	14	17.03	4740	14						
87	13	15.81	4630	15						
96	12	14.33	4490	17						
107	11	12.87	4330	19						
125	9.2	11.08	4130	21						
132	8.7	10.42	4050	21						
154	7.4	8.97	3860	24	BFAF	37	D63S4			
186	6.2	7.44	3630	29						
205	5.8	6.74	3510	25						
228	5.0	6.05	3390	27						
265	4.3	5.21	3230	29						
282	4.1	4.90	3170	29						
327	3.5	4.22	3020	31						
0.18kW										
0.10	13500	12912	87500	0.90				BFA	127 R77 D63M4	
0.11	12100	11656	90000	1.00						
0.13	10700	10191	90000	1.10						
0.15	8980	8831	90000	1.35						
0.17	7770	7643	90000	1.55						
0.20	7150	6715	90000	1.70						
0.15	8560	8548	47400	0.90	BFA	107 R77 D63M4				
0.17	8050	7874	48800	0.95						
0.20	7030	6767	51500	1.10						
0.22	6090	5954	53800	1.25						
0.25	5310	5223	55600	1.45						
0.29	4860	4567	56600	1.60						
0.37	3680	3521	59100	2.1	BFAF	107 R77 D63M4				
0.43	3170	3037	60100	2.4						
0.48	2880	2766	60600	2.7						
0.56	2470	2369	61400	3.1						
0.64	2160	2068	61900	3.6						
0.30	4660	4333	27900	0.90				BFA	97 R57 D63M4	
0.34	4260	3906	30000	1.00						
0.39	3670	3352	31800	1.15						
0.45	3100	2907	33100	1.40						
0.52	2790	2569	33800	1.55						
0.59	2450	2245	34500	1.75						
0.67	2130	1970	35200	2.0	BFAF	97 R57 D63M4				
0.77	1890	1722	35800	2.3						
0.86	1670	1527	36000	2.6						
0.99	1380	1327	36500	3.1						
1.1	1280	1171	36800	3.3						

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
0.18kW					
3.8	450	228.99	12800	1.80	BFA 67 D63L6
4.4	385	195.39	12900	2.1	BFAF 67 D63L6
5.1	340	170.85	13000	2.4	BF 67 D63L6
					BFF 67 D63L6
5.8	300	228.99	13000	2.8	BFA 67 D63M4
6.8	255	195.39	13000	3.2	BFAF 67 D63M4
7.7	225	170.85	13000	3.7	BF 67 D63M4
					BFF 67 D63M4
4.4	395	199.70	10600	1.50	BFA 57 D63L6
4.7	365	183.60	10600	1.65	BFAF 57 D63L6
5.5	310	157.09	11100	1.95	BF 57 D63L6
6.4	270	136.18	11300	2.2	BFF 57 D63L6
6.8	250	127.27	11400	2.4	
7.9	215	110.01	11500	2.8	
6.8	260	199.70	11300	2.3	BFA 57 D63M4
7.2	240	183.60	11500	2.5	BFAF 57 D63M4
8.4	205	157.09	11500	2.9	BF 57 D63M4
9.7	177	136.18	11500	3.4	BFF 57 D63M4
10	166	127.27	11500	3.6	
4.6	375	190.78	6240	1.05	BFA 47 D63L6
5.0	345	175.38	6600	1.15	BFAF 47 D63L6
5.8	295	150.06	7090	1.35	BF 47 D63L6
6.7	255	130.07	7410	1.55	BFF 47 D63L6
7.2	240	121.57	7530	1.65	
6.8	250	190.78	7470	1.60	BFA 47 D63M4
7.5	230	175.38	7610	1.75	BFAF 47 D63M4
8.8	195	150.06	7800	2.0	BF 47 D63M4
10	169	130.07	7920	2.4	BFF 47 D63M4
11	158	121.57	7970	2.5	
7.4	235	117.88	3750	0.85	BFA 37 D63L6
8.7	198	100.36	4320	1.00	BFAF 37 D63L6
10	171	86.53	4680	1.15	BF 37 D63L6
11	159	80.53	4790	1.25	BFF 37 D63L6
12	139	70.50	4970	1.45	
10	167	128.51	4700	1.20	BFA 37 D63M4
11	154	117.88	4850	1.30	BFAF 37 D63M4
13	131	100.36	5050	1.55	BF 37 D63M4
15	113	86.53	5180	1.75	BFF 37 D63M4
16	105	80.53	5230	1.90	
19	92	70.50	5300	2.2	
20	86	66.09	5330	2.3	
23	76	58.32	5380	2.6	
24	71	54.54	5400	2.8	
26	67	51.70	5410	3.0	
28	61	47.02	5440	3.3	
30	57	43.83	5450	3.5	
34	50	38.31	5470	4.0	
37	47	35.91	5480	4.3	
42	41	31.69	5490	4.8	
47	37	28.09	5500	5.5	
55	31	23.88	5280	6.4	
56	31	23.63	5240	6.5	
64	27	20.57	5030	7.5	
69	25	19.27	4930	8.0	
78	22	17.03	4740	9.0	
83	21	15.81	4640	9.7	
92	19	14.33	4500	11	
103	17	12.87	4350	12	BFA 37 D63M4
119	14	11.08	4150	13	BFAF 37 D63M4
127	14	10.42	4070	14	BF 37 D63M4
147	12	8.97	3880	15	BFF 37 D63M4
178	9.7	7.44	3650	15	
196	8.8	6.74	3540	16	
218	7.9	6.08	3420	17	
253	6.8	5.21	3260	18	
269	6.4	4.90	3190	19	
313	5.5	4.22	3040	20	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
0.15	13300	8831	88000	0.90	BFA 127 R77 D63L4
0.17	11500	7643	90000	1.05	BFAF 127 R77 D63L4
0.19	10400	6715	90000	1.15	BF 127 R77 D63L4
0.22	9190	5925	90000	1.30	BFF 127 R77 D63L4
0.26	7860	5153	90000	1.55	
0.29	6850	4533	90000	1.75	
0.22	9000	5984	46200	0.85	BFA 107 R77 D63L4
0.25	7860	5223	48300	1.00	BFAF 107 R77 D63L4
0.28	7090	4567	51400	1.10	BF 107 R77 D63L4
0.37	5370	3521	55500	1.45	BFF 107 R77 D63L4
0.43	4680	3037	57000	1.65	BFA 107 R77 D63L4
0.47	4240	2756	57900	1.80	BFAF 107 R77 D63L4
0.55	3850	2389	59100	2.1	BF 107 R77 D63L4
0.63	3180	2068	60000	2.4	BFF 107 R77 D63L4
0.81	2440	1597	61400	3.2	
0.93	2110	1401	62000	3.6	
0.45	4530	2907	29200	0.95	BFA 97 R57 D63L4
0.51	4060	2563	30600	1.05	BFAF 97 R57 D63L4
0.58	3580	2245	31900	1.20	BF 97 R57 D63L4
0.66	3100	1970	33100	1.40	BFF 97 R57 D63L4
0.75	2740	1722	33900	1.55	
0.85	2430	1527	34600	1.75	
0.98	2040	1327	35300	2.1	
1.1	1860	1171	35600	2.3	
1.2	1690	1022	36100	2.6	
0.67	3040	1939	18200	1.00	BFA 87 R57 D63L4
0.76	2710	1709	24000	1.10	BFAF 87 R57 D63L4
0.87	2380	1493	25200	1.25	BF 87 R57 D63L4
1.0	1990	1300	26500	1.50	BFF 87 R57 D63L4
1.1	1780	1148	27100	1.70	
1.3	1550	1010	27700	1.95	
1.5	1370	887	28100	2.2	
1.7	1200	780	28500	2.5	
1.9	1020	674	28900	2.9	
1.2	1690	1053	14300	0.90	BFA 77 R37 D63L4
1.4	1490	910	16000	1.05	BFAF 77 R37 D63L4
1.6	1260	810	17100	1.20	BF 77 R37 D63L4
1.8	1110	710	17900	1.35	BFF 77 R37 D63L4
2.1	920	615	18400	1.55	
2.4	850	538	18800	1.75	
2.7	760	480	19100	2.0	
3.2	645	413	19400	2.3	
2.0	1000	641	2370	0.80	BFA 67 R37 D63L4
2.3	910	572	8440	0.90	BFAF 67 R37 D63L4
2.8	795	509	10500	1.05	BF 67 R37 D63L4
3.0	685	437	11400	1.20	BFF 67 R37 D63L4
2.6	810	500	10400	1.00	BFA 67 R37 D63L4
2.9	740	454	11000	1.10	BFAF 67 R37 D63L4
3.3	635	392	11700	1.30	BF 67 R37 D63L4
3.9	536	333	12200	1.55	BFF 67 R37 D63L4
4.4	475	297	12500	1.70	
5.0	420	261	12700	1.95	
5.5	375	236	12900	2.2	
3.4	605	386	9170	1.00	BFA 57 R37 D63L4
3.8	525	338	9740	1.15	BFAF 57 R37 D63L4
5.1	400	255	10600	1.50	BF 57 R37 D63L4
					BFF 57 R37 D63L4
3.4	625	382	8710	0.95	BFA 57 R37 D63L4
3.9	535	330	9690	1.10	BFAF 57 R37 D63L4
4.4	485	298	10000	1.25	BF 57 R37 D63L4
5.0	425	262	10400	1.40	BFF 57 R37 D63L4
5.8	360	226	10800	1.65	
6.5	320	200	11000	1.90	
7.7	270	170	11300	2.2	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
5.2	395	249	6020	1.00	BFA 47 R17 D63L4
6.0	350	218	6580	1.15	BFAF 47 R17 D63L4
6.7	305	193	7000	1.30	BF 47 R17 D63L4
7.4	280	175	7250	1.45	BFF 47 R17 D63L4
5.1	405	253	5850	1.00	BFA 47 R17 D63L4
6.0	355	217	6490	1.10	BFAF 47 R17 D63L4
6.8	310	190	6970	1.30	BF 47 R17 D63L4
7.3	290	178	7150	1.40	BFF 47 R17 D63L4
8.7	240	149	7520	1.65	
9.9	210	131	7710	1.90	
8.9	240	145	3640	0.85	BFA 37 R17 D63L4
10	210	128	4130	0.95	BFAF 37 R17 D63L4
11	193	118	4390	1.05	BF 37 R17 D63L4
13	160	98	4780	1.25	BFF 37 R17 D63L4
15	140	87	4970	1.45	
3.1	765	281.71	19100	1.95	BFA 77 D71D6
3.3	715	262.93	19200	2.1	BFAF 77 D71D6
3.9	615	225.79	19500	2.5	BF 77 D71D6
4.4	540	198.31	19600	2.8	BFF 77 D71D6
4.7	510	188.40	19700	2.9	
3.8	620	228.89	11800	1.00	BFA 67 D71D6
4.5	530	195.39	12300	1.55	BFAF 67 D71D6
5.2	465	170.85	12600	1.75	BF 67 D71D6
5.4	440	162.31	12700	1.85	BFF 67 D71D6
6.2	385	142.40	12900	2.1	
5.7	420	228.89	12700	1.95	BFA 67 D63L4
6.7	360	195.39	13000	2.3	BFAF 67 D63L4
7.6	315	170.85	13000	2.6	BF 67 D63L4
8.0	300	162.31	13000	2.8	BFF 67 D63L4
9.1	260	142.40	13000	3.1	
4.4	540	199.70	9830	1.10	BFA 57 D71D6
4.8	500	183.60	9940	1.20	BFAF 57 D71D6
5.6	425	157.09	10400	1.40	BF 57 D71D6
6.5	370	136.16	10800	1.60	BFF 57 D71D6
6.9	345	127.27	10900	1.75	
8.0	300	110.01	11100	2.0	
6.5	365	199.70	10800	1.65	BFA 57 D63L4
7.1	335	183.60	10900	1.80	BFAF 57 D63L4
8.3	290	157.09	11200	2.1	BF 57 D63L4
9.6	250	136.16	11400	2.4	BFF 57 D63L4
10	235	127.27	11500	2.6	
12	200	110.01	11500	3.0	
5.9	405	150.06	5750	1.00	BFA 47 D71D6
6.8	355	130.07	6530	1.15	BFAF 47 D71D6
7.2	330	121.57	6770	1.20	BF 47 D71D6
8.4	285	105.09	7190	1.40	BFF 47 D71D6
6.8	350	190.78	6550	1.15	BFA 47 D63L4
7.4	320	175.38	6850	1.25	BFAF 47 D63L4
8.7	275	150.06	7270	1.45	BF 47 D63L4
10	240	130.07	7540	1.65	BFF 47 D63L4
11	225	121.57	7640	1.80	
12	193	105.09	7810	2.1	
15	164	89.29	7950	2.4	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model					
0.25kW										
10	235	128.51	3690	0.85	BFA BFAF BF BFF	37	D63L4			
11	215	117.88	4040	0.90						
13	184	100.36	4500	1.10						
15	159	86.53	4790	1.25						
18	148	80.65	4900	1.35						
18	130	70.50	5060	1.55						
20	121	66.09	5120	1.65						
22	107	58.32	5210	1.85						
24	100	54.54	5260	2.0						
25	95	51.70	5280	2.1						
28	88	47.02	5330	2.3	BFA BFAF BF BFF	37	D63L4			
30	81	43.83	5360	2.5						
34	70	38.31	5400	2.8						
38	66	35.91	5420	3.0						
41	58	31.69	5450	3.4						
46	52	28.09	5430	3.9						
54	44	23.88	5180	4.6						
55	43	23.63	5170	4.6				BFA BFAF BF BFF	37	D63L4
63	38	20.57	4960	5.3						
67	35	19.27	4870	5.7						
76	31	17.03	4590	6.4						
82	29	15.81	4590	6.9						
91	26	14.33	4460	7.6						
101	24	12.87	4320	8.5						
117	20	11.08	4120	9.3						
125	19	10.42	4050	9.7						
145	17	8.97	3860	11						
175	14	7.44	3530	11	BFA BFAF BF BFF	37	D63L4			
193	12	6.74	3520	11						
215	11	6.05	3410	12						
249	9.6	5.21	3250	13						
285	9.0	4.90	3190	13						
308	7.7	4.22	3040	14						
0.37kW										
0.21	14900	6715	84800	0.80				BFA BFAF BF BFF	127 R77 D7104	
0.23	13100	5825	88300	0.90						
0.27	11300	5153	90000	1.05						
0.30	9850	4533	90000	1.20						
0.35	8590	3926	90000	1.40						
0.40	7510	3454	90000	1.60						
0.46	6570	3031	90000	1.85	BFA BFAF BF BFF	167 R77 D7104				
0.45	6720	3037	82300	1.15						
0.50	6090	2756	53800	1.25						
0.58	5240	2369	55800	1.45						
0.67	4570	2068	57200	1.70						
0.86	3510	1597	59400	2.2						
0.61	5070	2245	5160	0.85	BFA BFAF BF BFF	97 R57 D7104				
0.70	4430	1970	29500	0.95						
0.80	3900	1722	31000	1.10						
0.90	3480	1527	32200	1.25						
1.0	2930	1327	33500	1.45						
1.2	2650	1171	34100	1.60						
1.4	2310	1022	34800	1.85						
1.5	1960	898	35500	2.2						
1.1	2870	1300	23400	1.05				BFA BFAF BF BFF	87 R57 D7104	
1.2	2550	1148	24600	1.20						
1.4	2230	1010	25700	1.35						
1.6	1970	887	26500	1.50						
1.8	1720	780	27200	1.75						
2.0	1470	674	27900	2.0						
2.3	1340	609	28200	2.2						
2.7	1130	515	28700	2.7						
3.0	1000	452	29000	3.0						

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
1.7	1810	810	13300	0.85	BFA 77 R37 D71D4 BFAF 77 R37 D71D4 BF 77 R37 D71D4 BFF 77 R37 D71D4
1.9	1590	710	15100	0.95	
2.2	1390	615	18400	1.10	
2.6	1210	538	17400	1.25	
2.9	1080	480	18000	1.40	
3.3	920	413	18600	1.65	BFA 67 R37 D71D4 BFAF 67 R37 D71D4 BF 67 R37 D71D4 BFF 67 R37 D71D4
3.8	830	367	19900	1.80	
4.3	730	323	19200	2.0	
3.2	980	437	5750	0.85	
3.6	870	384	9880	0.95	
4.1	770	338	10800	1.05	BFA 57 R37 D71D4 BFAF 57 R37 D71D4 BF 57 R37 D71D4 BFF 57 R37 D71D4
4.6	685	305	11400	1.20	
5.4	575	257	12000	1.40	
6.0	510	231	12400	1.60	
5.4	570	255	9420	1.05	BFA 57 R37 D71D4 BFAF 57 R37 D71D4 BF 57 R37 D71D4 BFF 57 R37 D71D4
6.9	445	201	10300	1.35	
7.6	405	181	10500	1.50	
5.3	605	282	9170	1.00	BFA 57 R37 D71D4 BFAF 57 R37 D71D4 BF 57 R37 D71D4 BFF 57 R37 D71D4
6.1	515	228	9810	1.15	
6.9	455	200	10200	1.30	
8.1	385	170	10700	1.55	
9.1	345	152	10900	1.75	
10	300	134	11100	2.0	BFA 47 R17 D71D4 BFAF 47 R17 D71D4 BF 47 R17 D71D4 BFF 47 R17 D71D4
7.9	395	175	5990	1.00	
9.4	335	147	6740	1.20	
11	295	130	7110	1.35	
2.5	1410	270.68	28100	2.1	BFA 87 D90S8 BFAF 87 D90S8 BF 87 D90S8 BFF 87 D90S8
2.7	1330	255.37	28200	2.3	
3.0	1190	228.93	28600	2.5	
3.5	1020	197.20	28900	2.9	
3.3	1080	270.68	28800	2.8	BFA 87 D80K6 BFAF 87 D80K6 BF 87 D80K6 BFF 87 D80K6
3.5	1000	255.37	29000	3.0	
3.9	900	228.93	29200	3.3	
4.0	890	225.79	18700	1.70	BFA 77 D80K6 BFAF 77 D80K6 BF 77 D80K6 BFF 77 D80K6
4.5	780	198.31	19100	1.95	
4.8	740	188.40	19200	2.0	
5.4	655	166.47	19400	2.3	
6.3	560	142.27	19600	2.7	
4.9	720	281.71	19200	2.1	BFA 77 D71D4 BFAF 77 D71D4 BF 77 D71D4 BFF 77 D71D4
5.2	675	262.93	19300	2.2	
5.1	580	225.79	19500	2.6	
7.0	510	198.31	19700	3.0	
4.6	765	195.39	10800	1.05	BFA 67 D80K6 BFAF 67 D80K6 BF 67 D80K6 BFF 67 D80K6
5.3	670	170.85	11500	1.20	
5.6	635	162.31	11700	1.30	
6.3	580	142.40	12100	1.45	
7.4	475	120.79	12500	1.75	
6.0	585	228.99	12600	1.40	BFA 67 D71D4 BFAF 67 D71D4 BF 67 D71D4 BFF 67 D71D4
7.1	500	195.39	12400	1.65	
8.1	435	170.85	12700	1.85	
8.5	415	162.31	12800	1.95	
9.7	365	142.40	12900	2.2	
11	310	120.79	13000	2.7	BFA 57 D80K6 BFAF 57 D80K6 BF 57 D80K6 BFF 57 D80K6
5.7	615	157.09	9070	0.95	
6.6	535	135.16	9580	1.10	
7.1	500	127.27	9930	1.20	
8.2	430	110.01	10400	1.40	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
6.8	510	199.70	9850	1.15	BFA 57 D71D4 BFAF 57 D71D4 BF 57 D71D4 BFF 57 D71D4
7.5	470	183.60	10100	1.30	
8.8	400	157.09	10600	1.50	
10	350	136.16	10800	1.70	
11	325	127.27	11000	1.85	
13	280	110.01	11200	2.1	BFA 47 D71D4 BFAF 47 D71D4 BF 47 D71D4 BFF 47 D71D4
15	240	93.47	11500	2.5	
17	215	83.46	11500	2.8	
9.2	385	150.06	6140	1.05	
11	335	130.07	6740	1.20	
13	270	105.09	7320	1.50	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
15	230	89.29	7500	1.75	
17	205	79.72	7750	1.95	
20	174	66.09	7900	2.3	
21	167	65.36	7930	2.4	
16	220	86.63	3960	0.90	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
17	205	80.65	4200	0.95	
20	181	70.80	4550	1.10	
21	169	66.09	4680	1.20	
24	149	58.32	4890	1.38	
25	140	54.54	4970	1.45	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
27	132	51.70	5030	1.50	
29	120	47.62	5120	1.65	
31	112	43.83	5180	1.80	
36	98	38.31	5270	2.0	
38	92	35.91	5300	2.2	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
44	81	31.69	5300	2.5	
49	72	28.09	5140	2.8	
58	61	23.88	4930	3.3	
58	61	23.83	4920	3.3	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
67	53	20.57	4740	3.8	
72	49	19.27	4650	4.1	
81	44	17.03	4500	4.6	
87	41	15.81	4400	4.9	
96	37	14.33	4280	5.4	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
107	33	12.67	4150	6.1	
125	28	11.08	3970	6.7	
132	27	10.42	3900	6.9	
154	23	8.97	3730	7.6	
188	19	7.44	3510	7.6	BFA 37 D71D4 BFAF 37 D71D4 BF 37 D71D4 BFF 37 D71D4
205	17	6.74	3410	8.1	
228	16	6.05	3300	8.7	
265	13	5.21	3150	9.4	
282	13	4.90	3090	9.6	
327	11	4.22	2950	10	BFA 157 R97 D80K4 BFAF 157 R97 D80K4 BF 157 R97 D80K4 BFF 157 R97 D80K4
0.22	20500	8295	92000	0.90	
0.25	17400	5404	102100	1.05	
0.49	8930	2780	118700	2.0	
0.50	7780	2427	120000	2.3	BFA 157 R97 D80K4 BFAF 157 R97 D80K4 BF 157 R97 D80K4 BFF 157 R97 D80K4
0.81	5520	1674	120000	3.3	
1.0	4220	1308	120000	4.3	
1.2	3730	1168	120000	4.8	
0.38	13300	3028	88000	0.90	BFA 127 R77 D80K4 BFAF 127 R77 D80K4 BF 127 R77 D80K4 BFF 127 R77 D80K4
0.39	11600	3454	90000	1.05	
0.45	10200	3031	90000	1.20	
0.57	8100	2389	48700	0.95	
0.68	7070	2088	51400	1.10	
0.74	6110	1825	53800	1.25	BFA 107 R77 D80K4 BFAF 107 R77 D80K4 BF 107 R77 D80K4 BFF 107 R77 D80K4
0.85	5440	1597	55300	1.40	
0.97	4750	1401	56900	1.60	
1.1	4150	1243	58100	1.85	
1.2	3700	1087	59000	2.1	
1.4	3180	950	60000	2.4	BFA 107 R77 D80K4 BFAF 107 R77 D80K4 BF 107 R77 D80K4 BFF 107 R77 D80K4
1.8	2770	834	60800	2.8	
2.1	2150	640	61900	3.6	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
1.0	4530	1327	29200	0.85	BFA 97 R57 D80K4 BFAF 97 R57 D80K4 BF 97 R57 D80K4 BFF 97 R57 D80K4
1.2	4060	1171	30500	1.05	
1.3	3850	1022	32000	1.20	
1.5	3050	898	33200	1.40	
1.7	2690	784	34000	1.60	
2.0	2340	680	34700	1.85	BFA 87 R57 D80K4 BFAF 87 R57 D80K4 BF 87 R57 D80K4 BFF 87 R57 D80K4
2.2	2060	606	35300	2.1	
2.6	1790	528	35800	2.4	
2.9	1580	467	36100	2.7	
3.4	1360	406	36500	3.2	
3.7	1220	363	36700	3.5	BFA 87 R57 D80K4 BFAF 87 R57 D80K4 BF 87 R57 D80K4 BFF 87 R57 D80K4
1.5	3040	887	18200	1.00	
1.7	2660	780	24200	1.15	
2.0	2290	674	25500	1.30	
2.2	2080	609	26200	1.45	
2.6	1750	515	27100	1.70	BFA 77 R37 D80K4 BFAF 77 R37 D80K4 BF 77 R37 D80K4 BFF 77 R37 D80K4
3.0	1540	452	27700	1.95	
3.9	1160	345	28600	2.6	
2.5	1860	538	8980	0.80	
2.8	1660	480	14800	0.90	BFA 77 R37 D80K4 BFAF 77 R37 D80K4 BF 77 R37 D80K4 BFF 77 R37 D80K4
3.3	1420	413	16200	1.05	
3.7	1270	367	17100	1.20	
4.2	1120	323	17800	1.35	
5.3	890	257	9660	0.90	BFA 67 R37 D80K4 BFAF 67 R37 D80K4 BF 67 R37 D80K4 BFF 67 R37 D80K4
5.9	790	231	10600	1.05	
6.6	705	205	11200	1.15	
7.8	606	175	11900	1.35	
2.5	2140	276.77	35100	2.0	BFA 97 D90L8 BFAF 97 D90L8 BF 97 D90L8 BFF 97 D90L8
2.7	1960	253.41	36500	2.2	
3.0	1730	223.88	36900	2.5	
2.5	2090	270.88	26200	1.45	BFA 87 D90L8 BFAF 87 D90L8 BF 87 D90L8 BFF 87 D90L8
2.7	1970	255.37	26500	1.50	
3.0	1770	228.93	27100	1.70	
3.5	1520	197.20	27800	1.95	
3.3	1580	270.88	27500	1.90	BFA 87 D80N6 BFAF 87 D80N6 BF 87 D80N6 BFF 87 D80N6
3.5	1490	255.37	27800	2.0	
3.9	1340	228.93	28200	2.2	
4.6	1150	197.20	28700	2.6	
5.0	1050	179.97	28900	2.9	
4.0	1320	225.79	16800	1.15	BFA 77 D80N6 BFAF 77 D80N6 BF 77 D80N6 BFF

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload $F_{0.1}$ [N]	使用 系数 Service factor f_s	型号 Model
0.75kW					
0.75	8360	1826	48000	0.90	
0.80	7400	1587	50500	1.05	
0.98	6470	1401	52900	1.20	BFA 107 R77 D80N4
1.1	5690	1243	54800	1.35	BFAF 107 R77 D80N4
1.3	5040	1087	56200	1.50	BF 107 R77 D80N4
1.5	4350	950	57700	1.75	BFF 107 R77 D80N4
1.7	3800	834	58800	2.0	
2.2	2940	640	60500	2.6	
3.2	2000	435	62200	3.8	
1.4	4810	1022	22800	0.90	
1.5	4150	898	30300	1.05	
1.8	3660	784	31700	1.20	BFA 97 R57 D80N4
2.0	3190	690	32900	1.35	BFAF 97 R57 D80N4
2.3	2800	605	33800	1.55	BF 97 R57 D80N4
2.6	2440	529	34500	1.75	BFF 97 R57 D80N4
3.0	2160	487	35100	2.0	
3.4	1850	406	35600	2.3	
3.8	1670	383	36000	2.6	
2.0	3120	674	14700	0.95	BFA 87 R57 D80N4
2.3	2830	609	23600	1.05	BFAF 87 R57 D80N4
2.7	2390	515	25200	1.25	BF 87 R57 D80N4
3.0	2100	452	26100	1.45	BFF 87 R57 D80N4
4.0	1590	345	27600	1.90	
3.8	1720	367	14100	0.85	BFA 77 R37 D80N4
4.3	1520	323	15600	1.00	BFAF 77 R37 D80N4
4.9	1310	280	16900	1.15	BF 77 R37 D80N4
					BFF 77 R37 D80N4
2.7	2640	254.40	81100	2.9	BFA 107 D100M8
					BFAF 107 D100M8
					BF 107 D100M8
					BFF 107 D100M8
2.5	2870	278.77	33600	1.50	BFA 97 D100M8
2.7	2630	253.41	34100	1.65	BFAF 97 D100M8
3.1	2320	223.88	34800	1.85	BF 97 D100M8
					BFF 97 D100M8
3.2	2200	278.77	35600	1.95	BFA 97 D90S6
3.5	2020	253.41	35400	2.1	BFAF 97 D90S6
4.0	1780	223.88	35800	2.4	BF 97 D90S6
					BFF 97 D90S6
3.3	2150	270.68	26000	1.40	
3.5	2030	255.37	25900	1.50	BFA 87 D90S6
3.9	1820	228.93	27000	1.85	BFAF 87 D90S6
4.8	1570	197.20	27600	1.90	BF 87 D90S6
5.0	1430	179.97	28000	2.1	BFF 87 D90S6
5.6	1270	158.81	28400	2.4	
5.1	1400	270.68	28100	2.1	BFA 87 D80N4
5.4	1330	255.37	28200	2.3	BFAF 87 D80N4
6.0	1190	228.93	28600	2.5	BF 87 D80N4
					BFF 87 D80N4
4.5	1580	198.31	15200	0.95	BFA 77 D90S6
4.8	1500	188.40	15700	1.00	BFAF 77 D90S6
5.4	1320	166.47	16800	1.15	BF 77 D90S6
6.3	1130	142.27	17800	1.30	BFF 77 D90S6
6.9	1040	130.42	18200	1.45	
6.1	1170	225.79	17600	1.30	BFA 77 D80N4
7.0	1030	198.31	18200	1.45	BFAF 77 D80N4
7.3	980	188.40	18400	1.55	BF 77 D80N4
					BFF 77 D80N4
8.3	860	166.47	18800	1.75	BFA 77 D80N4
9.7	740	142.27	19200	2.0	BFAF 77 D80N4
11	675	130.42	19300	2.2	BF 77 D80N4
12	595	114.45	19500	2.5	BFF 77 D80N4
13	585	108.48	19600	2.7	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload $F_{0.1}$ [N]	使用 系数 Service factor f_s	型号 Model
0.75kW					
8.1	890	170.85	9870	0.90	BFA 67 D80N4
8.5	840	162.31	10100	0.95	BFAF 67 D80N4
9.7	740	142.40	11000	1.10	BF 67 D80N4
11	625	120.79	11700	1.30	BFF 67 D80N4
13	585	109.04	12100	1.45	
14	500	95.94	12400	1.65	BFA 67 D80N4
15	470	90.59	12500	1.75	BFAF 67 D80N4
17	415	79.76	12800	2.0	BF 67 D80N4
20	350	67.65	13000	2.3	BFF 67 D80N4
23	315	61.67	13000	2.6	
11	660	127.27	5290	0.90	
13	570	110.01	9420	1.05	
15	485	93.47	10000	1.25	BFA 57 D80N4
17	435	83.46	10400	1.40	BFAF 57 D80N4
19	380	72.88	10700	1.60	BF 57 D80N4
20	355	68.22	10800	1.70	BFF 57 D80N4
23	305	58.87	11100	1.95	
26	260	50.10	11300	2.3	
31	230	44.73	11400	2.6	
17	415	79.72	5060	0.95	BFA 47 D80N4
20	355	68.09	6520	1.15	BFAF 47 D80N4
21	340	65.36	6680	1.20	BF 47 D80N4
					BFF 47 D80N4
24	295	56.49	7120	1.35	
29	250	48.00	7470	1.60	BFA 47 D80N4
32	220	42.86	7640	1.80	BFAF 47 D80N4
38	190	36.61	7820	2.1	BF 47 D80N4
40	178	34.29	7850	2.2	BFF 47 D80N4
46	150	28.88	7540	2.7	
29	245	47.02	3530	0.80	
31	230	43.83	3650	0.90	
36	199	38.31	4310	1.00	BFA 37 D80N4
38	188	35.91	4480	1.05	BFAF 37 D80N4
44	165	31.69	4620	1.20	BF 37 D80N4
49	146	28.09	4540	1.35	BFF 37 D80N4
56	124	23.88	4410	1.60	
58	123	23.63	4400	1.65	
67	107	20.57	4290	1.85	
72	100	19.27	4240	2.0	
81	88	17.03	4130	2.3	
96	74	14.33	3970	2.7	
107	67	12.87	3870	3.0	BFA 37 D80N4
125	58	11.08	3730	3.3	BFAF 37 D80N4
132	54	10.42	3680	3.4	BF 37 D80N4
154	47	8.97	3540	3.8	BFF 37 D80N4
205	35	6.74	3250	4.0	
228	31	6.05	3150	4.3	
265	27	5.21	3030	4.6	
282	25	4.90	2970	4.7	
327	22	4.22	2850	5.0	
366	20	3.77	2780	5.4	
1.1kW					
0.50	18200	2780	99800	1.00	BFA 157 R97 D90S4
					BFAF 157 R97 D90S4
					BF 157 R97 D90S4
					BFF 157 R97 D90S4
0.58	16000	2427	105800	1.15	
0.64	14300	2185	109700	1.25	
0.72	12700	1944	112900	1.40	
0.84	11200	1674	115500	1.60	BFA 157 R97 D90S4
1.1	8640	1308	119000	2.1	BFAF 157 R97 D90S4
1.2	7680	1168	120000	2.3	BF 157 R97 D90S4
1.5	6190	953	120000	2.9	BFF 157 R97 D90S4
1.7	5450	845	120000	3.3	
3.1	2880	446	120000	6.2	
4.6	1950	302	120000	9.2	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload $F_{0.1}$ [N]	使用 系数 Service factor f_s	型号 Model
1.1kW					
0.69	13800	2038	87000	0.85	
0.79	12000	1784	80000	1.00	BFA 127 R77 D90S4
0.87	10800	1665	90000	1.10	BFAF 127 R77 D90S4
1.0	9350	1390	90000	1.30	BF 127 R77 D90S4
1.1	8170	1220	90000	1.45	BFF 127 R77 D90S4
1.3	7260	1077	90000	1.65	
1.1	8360	1243	48000	0.90	
1.3	7370	1087	50600	1.05	BFA 107 R77 D90S4
1.5	6390	950	53100	1.20	BFAF 107 R77 D90S4
1.7	5590	834	55000	1.35	BF 107 R77 D90S4
1.9	4910	736	56500	1.55	BFF 107 R77 D90S4
2.2	4310	640	57800	1.80	
2.0	4670	690	27800	0.80	
2.3	4100	605	30500	1.05	BFA 97 R57 D90S4
2.7	3580	529	31900	1.20	BFAF 97 R57 D90S4
3.0	3160	467	32800	1.35	BF 97 R57 D90S4
3.5	2730	406	33900	1.55	BFF 97 R57 D90S4
3.8	2450	383	34500	1.75	
3.1	3070	452	16900	1.00	BFA 87 R57 D90S4
4.1	2330	345	25400	1.30	BFAF 87 R57 D90S4
4.7	2020	300	26400	1.50	BF 87 R57 D90S4
5.6	1670	249	27400	1.80	BFF 87 R57 D90S4
2.7	3830	254.40	58000	1.95	BFA 107 D100L8
3.2	3330	215.37	59800	2.3	BFAF 107 D100L8
3.4	3080	199.31	60200	2.5	BF 107 D100L8
3.8	2760	178.64	60800	2.8	BFF 107 D100L8
3.3	3180	276.77	32900	1.35	BFA 97 D90L6
3.6	2890	253.41	33600	1.50	BFAF 97 D90L6
4.1	2580	223.88	34300	1.70	BF 97 D90L6
4.8	2170	189.92	35100	2.0	BFF 97 D90L6
5.3	2000	174.87	35400	2.2	
5.1	2080	276.77	36200	2.1	BFA 97 D90S4
5.5	1900	253.41	36600	2.3	BFAF 97 D90S4
6.2	1680	223.88	36000	2.6	BF 97 D90S4
					BFF 97 D90S4
3.4	3090	270.68	16000	0.95	
3.6	2920	255.37	22700	1.05	BFA 87 D90L6
4.0	2610	228.93	24400	1.15	BFAF 87 D90L6
4.7	2250	197.20	25700	1.35	BF 87 D90L6
5.1	2050	179.97	26300	1.45	BFF 87 D90L6
5.6	1820	159.61	27000	1.65	
5.2	2030	270.68	26300	1.50	BFA 87 D90S4
5.5	1920	255.37	26700	1.55	BFAF 87 D90S4
6.1	1720	228.93	27200	1.75	BF 87 D90S4
7.1	1480	197.20	27900	2.0	BFF 87 D90S4
7.8	1350	179.97	28200	2.2	BFA 87 D90S4
8.8	1200	159.61	28500	2.5	BFAF 87 D90S4
10	1010	134.16	29000	3.0	BF 87 D90S4
11	930	123.29	29100	3.2	BFF 87 D90S4
7.1	1490	198.31	15800	1.00	BFA 77 D90S4
7.4	1410	188.40	16300	1.05	BFAF 77 D90S4
8.4	1250	166.47	17200	1.20	BF 77 D90S4
9.8	1070	142.27	18000	1.40	BFF 77 D90S4
11	980	130.42	18400	1.55	
12	860	114.45	18800	1.75	BFA 77 D90S4
13	810	108.48	18900	1.85	BFAF 77 D90S4
15	710	94.93	19200	2.1	BF 77 D90S4
16	640	85.52	19400	2.3	BFF 77 D90S4
19	585	75.02	19600	2.7	

输出转速 Output speed n_2 [1/min]	输出转矩 Output
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输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
1.5kW					
0.85	14800	1406	85000	0.80	
1.0	12800	1390	89000	0.95	
1.2	11200	1220	90000	1.05	BFA 127 R77 D90L4
1.3	9810	1077	90000	1.20	BFAF 127 R77 D90L4
1.5	8520	930	90000	1.40	BF 127 R77 D90L4
1.7	7500	820	90000	1.60	BFF 127 R77 D90L4
1.9	6630	727	90000	1.80	
2.2	5960	648	90000	2.0	
1.5	8730	950	48900	0.90	
1.7	7640	834	49900	1.00	
1.9	6730	738	52300	1.15	BFA 107 R77 D90L4
2.2	5890	640	54300	1.30	BFAF 107 R77 D90L4
2.5	5110	560	55100	1.50	BF 107 R77 D90L4
2.9	4460	488	57600	1.70	BFF 107 R77 D90L4
3.2	4010	436	58400	1.90	
3.8	3400	379	59600	2.3	
2.7	4880	620	19800	0.90	BFA 97 R57 D90L4
3.0	4310	467	29900	1.00	BFAF 97 R57 D90L4
3.5	3730	408	31500	1.15	BF 97 R57 D90L4
3.9	3340	363	32600	1.30	BFF 97 R57 D90L4
4.1	3180	345	11100	0.95	BFA 87 R57 D90L4
4.7	2760	300	23900	1.10	BFAF 87 R57 D90L4
5.7	2280	248	25500	1.30	BFF 87 R57 D90L4
2.8	6210	254.40	55900	1.50	BFA 107 D112M8
3.2	4410	215.37	57600	1.75	BFAF 107 D112M8
3.5	4080	199.31	58300	1.90	BF 107 D112M8
3.9	3660	178.64	59100	2.1	BFF 107 D112M8
3.8	3980	254.40	58500	1.95	BFA 107 D100M6
4.3	3350	215.37	59700	2.3	BFAF 107 D100M6
4.8	3100	199.31	60200	2.5	BF 107 D100M6
5.2	2780	178.64	60800	2.8	BFF 107 D100M6
3.3	4310	276.77	29900	1.00	BFA 97 D100M6
3.5	3850	253.41	30900	1.10	BFAF 97 D100M6
4.1	3490	223.88	32100	1.25	BF 97 D100M6
4.8	2960	188.82	33400	1.45	BFF 97 D100M6
5.3	2720	174.87	33900	1.60	
5.1	2810	276.77	33700	1.55	BFA 97 D90L4
5.6	2570	253.41	34300	1.65	BFAF 97 D90L4
6.3	2270	223.88	34900	1.80	BF 97 D90L4
7.4	1930	189.92	35600	2.2	BFF 97 D90L4
8.1	1780	174.87	35800	2.4	
5.2	2750	270.88	23900	1.10	BFA 87 D90L4
5.5	2580	255.37	24500	1.15	BFAF 87 D90L4
6.2	2330	228.93	24600	1.30	BF 87 D90L4
7.2	2000	197.20		1.50	BFF 87 D90L4
7.8	1830	179.97	26900	1.85	
8.8	1620	159.61	27500	1.95	BFA 87 D90L4
11	1360	134.16	28200	2.2	BFAF 87 D90L4
13	1110	109.49	28700	2.7	BF 87 D90L4
14	990	97.89	29000	3.0	BFF 87 D90L4
8.5	1690	166.47	14300	0.90	BFA 77 D90L4
9.9	1450	142.27	16100	1.05	BFAF 77 D90L4
11	1320	130.42	16800	1.15	BF 77 D90L4
12	1160	114.45	17600	1.30	BFF 77 D90L4
13	1100	108.46	17900	1.35	
15	960	94.90	18400	1.55	
16	870	85.52	18800	1.75	
19	760	75.02	19100	1.95	BFA 77 D90L4
19	735	72.90	19200	2.0	BFAF 77 D90L4
21	675	66.46	19300	2.2	BF 77 D90L4
24	595	58.32	19600	2.5	BFF 77 D90L4
26	560	55.27	19600	2.7	
29	490	48.37	19700	3.0	
32	445	43.58	19800	3.4	
37	390	38.23	19900	3.9	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
1.5kW					
39	370	38.58	19900	3.0	BFA 77 D90L4
45	320	31.51	20000	4.3	BFAF 77 D90L4
					BF 77 D90L4
					BFF 77 D90L4
16	920	90.59	9300	0.90	
18	810	79.76	10400	1.00	
21	685	67.65	11400	1.20	BFA 67 D90L4
23	620	61.07	11800	1.30	BFAF 67 D90L4
26	545	53.73	12200	1.50	BF 67 D90L4
28	515	50.74	12300	1.60	BFF 67 D90L4
33	440	43.20	12700	1.85	
36	400	39.28	12800	1.95	
39	370	36.30	12900	2.2	BFA 67 D90L4
44	325	32.08	13000	2.5	BFAF 67 D90L4
51	280	27.41	13000	2.9	BF 67 D90L4
56	255	25.13	13000	3.2	BFF 67 D90L4
24	600	58.97	9210	1.00	BFA 57 D90L4
26	510	50.10	9860	1.20	BFAF 57 D90L4
32	455	44.73	9990	1.30	BF 57 D90L4
37	390	39.21	9740	1.55	BFF 57 D90L4
39	365	35.79	9620	1.65	
47	305	30.15	9310	1.95	
33	435	42.86	575	0.90	BFA 47 D90L4
39	370	36.61	6300	1.10	BFAF 47 D90L4
41	350	34.29	6580	1.15	BF 47 D90L4
49	295	28.88	6500	1.35	BFF 47 D90L4
48	315	30.86	6560	1.30	
48	300	29.32	6510	1.35	
55	260	25.72	6390	1.55	BFA 47 D90L4
65	220	21.82	6230	1.80	BFAF 47 D90L4
72	200	19.70	6110	2.0	BF 47 D90L4
81	176	17.33	5970	2.3	BFF 47 D90L4
86	166	16.36	5900	2.4	
101	142	13.93	5700	2.8	
69	210	20.57	3410	0.85	
73	195	19.27	3410	1.00	
83	173	17.03	3400	1.15	
98	146	14.33	3350	1.35	
110	131	12.87	3310	1.55	
127	113	11.08	3250	1.70	BFA 37 D90L4
135	106	10.42	3220	1.75	BFAF 37 D90L4
157	91	8.97	3140	1.90	BF 37 D90L4
176	81	8.01	3080	2.1	BFF 37 D90L4
209	69	6.74	2920	2.0	
233	62	6.05	2850	2.2	
271	53	5.21	2770	2.4	
288	50	4.90	2730	2.4	
334	43	4.22	2640	2.6	
374	38	3.77	2570	2.7	
2.2kW					
0.98	18900	1441	97500	0.95	BFA 157 R97 D100M4
					BFAF 157 R97 D100M4
					BF 157 R97 D100M4
					BFF 157 R97 D100M4
1.1	17600	1368	101400	1.00	
1.2	15700	1169	106500	1.15	
1.5	12700	953	112800	1.40	
1.7	11200	845	115400	1.60	
1.9	10100	764	117100	1.80	BFA 157 R97 D100M4
2.1	9020	680	118600	2.0	BFAF 157 R97 D100M4
2.5	7610	576	120000	2.4	BF 157 R97 D100M4
3.2	6940	446	120000	3.0	BFF 157 R97 D100M4
4.7	4920	302	120000	4.5	
5.2	3630	273	120000	5.0	
6.1	3060	232	120000	5.9	
7.2	2590	197	120000	6.9	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
2.2kW					
1.3	14600	1077	85300	0.80	
1.5	12600	930	89300	0.95	
1.7	11100	820	90000	1.10	BFA 127 R77 D100M4
1.9	9830	727	90000	1.20	BFAF 127 R77 D100M4
2.2	8810	648	90000	1.35	BF 127 R77 D100M4
2.6	7460	549	90000	1.60	BFF 127 R77 D100M4
2.8	6720	495	90000	1.80	
3.3	5810	428	90000	2.1	
2.2	8700	640	47000	0.90	
2.5	7580	560	50100	1.00	BFA 107 R77 D100M4
2.9	6610	489	52500	1.15	BFAF 107 R77 D100M4
3.2	5930	436	54200	1.30	BF 107 R77 D100M4
3.8	5030	370	56300	1.55	BFF 107 R77 D100M4
4.2	4520	333	57300	1.70	
3.9	4940	363	16500	0.85	BFA 97 R57 D100M4
4.9	3890	285	31100	1.10	BFAF 97 R57 D100M4
5.8	3340	245	32500	1.30	BF 97 R57 D100M4
					BFF 97 R57 D100M4
2.8	7640	254.40	49900	1.00	BFA 107 D132S8
3.2	6460	215.37	52900	1.20	BFAF 107 D132S8
3.5	5880	199.31	54100	1.30	BF 107 D132S8
3.9	5380	178.64	55500	1.45	BFF 107 D132S8
3.7	5690	254.40	54800	1.35	BFA 107 D112M6
4.4	4810	215.37	56700	1.60	BFAF 107 D112M6
4.7	4450	199.31	57500	1.70	BF 107 D112M6
5.3	3990	178.64	58400	1.90	BFF 107 D112M6
5.5	3790	254.40	58900	2.0	BFA 107 D100M4
6.6	3210	215.37	60000	2.4	BFAF 107 D100M4
7.1	2970	199.31	60400	2.6	BF 107 D100M4
7.9	2680	178.64	61000	2.9	BFF 107 D100M4
4.2	5000	223.88	12400	0.85	BFA 97 D112M6
4.9	4240	189.92	30100	1.00	BFAF 97 D112M6
5.4	3910	174.87	31000	1.10	BF 97 D112M6
6.0	3490	156.30	32100	1.25	BFF 97 D112M6
5.1	4120	276.77	30400	1.05	
5.6	3780	253.41	31400	1.15	
6.3	3340	223.88	32500	1.30	BFA 97 D100M4
7.4	2830	189.92	33700	1.50	BFAF 97 D100M4
8.1	2610	174.87	34200	1.65	BF 97 D100M4
9.0	2330	156.30	34900	1.85	BFF 97 D100M4
10	2100	140.71	36200	2.0	
11	1900	127.42	36600	2.3	
7.2	2940	187.20	22000	1.00	BFA 87 D100M4
7.8	2680	179.97	24200	1.10	BFAF 87 D100M4
8.8	2380	159.61	25200	1.25	BF 87 D100M4
11	2000	134.16	26400	1.50	BFF 87 D100M4
11	1840	123.29	26900	1.65	
13	1630	109.49	27500	1.85	
14	1480	97.89	27900	2.1	BFA 87 D100M4
16	1310	88.01	28300	2.3	BFAF 87 D100M4
18	1140	76.39	27800	2.6	BF 87 D100M4
21	1020	68.40	27100	2.9	BFF 87 D100M4
25	850	56.75	25900	3.5	
28	750	50.36	25200	3.9	
31	675	45.28	24500	4.2	
12	1710	114.45	14200	0.90	BFA 7

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
3.0kW					
3.7	7750	245.46	49600	1.00	BFA 107 D132S6
4.4	6560	215.37	52700	1.15	BFAF 107 D132S6
4.7	6070	199.31	53900	1.25	BF 107 D132S6
5.3	5440	178.64	55300	1.40	BFF 107 D132S6
5.5	5210	254.40	65900	1.50	BFA 107 D100L4
6.0	4410	215.37	67600	1.75	BFAF 107 D100L4
7.0	4080	199.31	68300	1.90	BF 107 D100L4
7.8	3660	178.64	69100	2.1	BFF 107 D100L4
8.7	3300	161.28	69800	2.3	BFA 107 D100L4
6.2	4580	223.88	20000	0.95	BFA 97 D100L4
7.4	3890	189.92	31100	1.10	BFAF 97 D100L4
8.0	3580	174.87	31900	1.20	BF 97 D100L4
					BFF 97 D100L4
9.0	3200	156.30	32800	1.35	BFA 97 D100L4
9.9	2880	140.71	33600	1.50	BFAF 97 D100L4
11	2610	127.42	34200	1.65	BF 97 D100L4
12	2310	112.99	34800	1.85	BFF 97 D100L4
14	2090	102.16	35200	2.1	BFA 97 D100L4
16	1840	89.85	35700	2.3	BFAF 97 D100L4
10	2750	134.16	23900	1.10	BFA 87 D100L4
11	2520	123.29	24700	1.20	BFAF 87 D100L4
13	2240	109.49	25700	1.35	BF 87 D100L4
					BFF 87 D100L4
14	2000	97.89	26400	1.50	BFA 87 D100L4
16	1800	88.01	26900	1.65	BFAF 87 D100L4
18	1580	76.39	28300	1.90	BF 87 D100L4
20	1400	68.40	29700	2.1	BFF 87 D100L4
25	1160	56.75	24800	2.6	BFA 87 D100L4
28	1030	50.35	24100	2.8	BFAF 87 D100L4
16	1750	85.52	13800	0.85	BFA 77 D100L4
19	1540	75.02	15500	1.00	BFAF 77 D100L4
21	1360	66.46	16600	1.10	BF 77 D100L4
24	1190	58.32	17500	1.25	BFF 77 D100L4
25	1130	55.27	17800	1.35	BFA 77 D100L4
29	990	48.37	18300	1.50	BFAF 77 D100L4
32	890	43.58	18700	1.70	BF 77 D100L4
37	780	38.23	19000	1.90	BFF 77 D100L4
38	750	36.58	19100	1.50	BFA 77 D100L4
44	645	31.51	19400	2.1	BFAF 77 D100L4
49	590	28.75	19500	2.4	BF 77 D100L4
55	520	26.50	19700	2.9	BFF 77 D100L4
65	440	21.43	19800	3.4	BFA 77 D100L4
32	880	43.20	8090	0.95	BFA 67 D100L4
36	800	39.28	10500	0.95	BFAF 67 D100L4
41	695	34.01	11300	1.05	BF 67 D100L4
					BFF 67 D100L4
44	655	32.08	11600	1.25	BFA 67 D100L4
51	560	27.41	12100	1.45	BFAF 67 D100L4
56	515	25.13	12300	1.60	BF 67 D100L4
63	450	22.05	12600	1.80	BFF 67 D100L4
67	430	20.90	12700	1.90	BFA 67 D100L4
77	375	18.29	12900	2.2	BFAF 67 D100L4
85	335	16.48	13000	2.4	BF 67 D100L4
97	295	14.46	13000	2.8	BFF 67 D100L4
56	510	24.96	7440	1.15	BFA 57 D100L4
66	435	21.17	7340	1.40	BFAF 57 D100L4
73	390	19.11	7260	1.55	BF 57 D100L4
83	345	16.81	7140	1.75	BFF 57 D100L4
88	325	15.88	7080	1.85	BFA 57 D100L4
104	275	13.52	6890	2.2	BFAF 57 D100L4
114	250	12.29	6780	2.4	BF 57 D100L4
132	220	10.54	6590	2.8	BFF 57 D100L4
71	405	19.70	4750	1.00	BFA 47 D100L4
81	355	17.33	4760	1.15	BFAF 47 D100L4
86	335	16.38	4760	1.20	BF 47 D100L4
100	285	13.93	4740	1.40	BFF 47 D100L4
111	260	12.66	4700	1.55	BFA 47 D100L4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
3.0kW					
128	225	10.97	4640	1.80	BFA 47 D100L4
156	183	8.96	4370	1.80	BFAF 47 D100L4
					BF 47 D100L4
					BFF 47 D100L4
126	225	11.08	2320	0.85	BFA 37 D100L4
134	215	10.42	2350	0.85	BFAF 37 D100L4
158	184	8.97	2390	0.95	BF 37 D100L4
175	164	8.01	2410	1.05	BFF 37 D100L4
206	138	6.74	2290	1.00	BFA 37 D100L4
231	124	6.05	2300	1.10	BFAF 37 D100L4
269	107	5.21	2290	1.15	BF 37 D100L4
288	100	4.90	2280	1.20	BFF 37 D100L4
332	86	4.22	2250	1.25	BFA 37 D100L4
372	77	3.77	2220	1.35	BFAF 37 D100L4
					BF 37 D100L4
					BFF 37 D100L4
4.0kW					
1.7	20600	845	91500	0.85	BFA 157 R97 D112M4
1.9	18600	764	98300	0.95	BFAF 157 R97 D112M4
2.1	16800	680	104200	1.10	BF 157 R97 D112M4
2.3	14000	576	110300	1.30	BFF 157 R97 D112M4
3.2	10900	446	115900	1.85	BFA 157 R97 D112M4
4.7	7390	302	120600	2.4	BFAF 157 R97 D112M4
5.2	6670	273	120000	2.7	BF 157 R97 D112M4
6.1	5840	232	120000	3.2	BFF 157 R97 D112M4
7.2	4780	197	120000	3.8	BFA 157 R97 D112M4
2.6	13600	549	87400	0.90	BFA 127 R77 D112M4
2.9	12200	495	90000	1.00	BFAF 127 R77 D112M4
3.3	10600	428	90000	1.15	BF 127 R77 D112M4
3.8	9270	376	90000	1.30	BFF 127 R77 D112M4
4.3	8230	333	48300	0.95	BFA 107 R77 D112M4
4.9	7190	291	51100	1.05	BFAF 107 R77 D112M4
5.6	6310	256	53300	1.20	BF 107 R77 D112M4
					BFF 107 R77 D112M4
4.2	9060	170.83	90000	1.30	BFA 127 D132ML8
4.7	8150	153.67	90000	1.45	BFAF 127 D132ML8
5.7	6600	125.37	90000	1.80	BF 127 D132ML8
					BFF 127 D132ML8
5.8	5840	254.40	52000	1.10	BFA 107 D112M4
6.6	5790	215.37	54500	1.35	BFAF 107 D112M4
7.1	5360	199.31	55500	1.45	BF 107 D112M4
7.9	4810	178.64	56700	1.60	BFF 107 D112M4
8.8	4340	161.28	57700	1.75	BFA 107 D112M4
9.7	3940	146.49	58500	1.95	BFAF 107 D112M4
11	3500	129.97	59400	2.2	BF 107 D112M4
12	3170	117.94	60100	2.4	BFF 107 D112M4
14	2790	101.38	60900	2.8	BFA 107 D112M4
8.1	4700	174.87	26800	0.90	BFA 97 D112M4
9.1	4200	156.30	30200	1.00	BFAF 97 D112M4
10	3780	140.71	31400	1.15	BF 97 D112M4
11	3490	127.42	32300	1.25	BFF 97 D112M4
13	3040	112.99	33200	1.40	BFA 97 D112M4
14	2750	102.16	33900	1.55	BFAF 97 D112M4
15	2620	97.89	34100	1.65	BF 97 D112M4
16	2420	89.85	34600	1.80	BFF 97 D112M4
18	2160	80.31	35100	2.0	BFA 97 D112M4
20	1940	72.29	35500	2.2	BFAF 97 D112M4
22	1760	65.47	35800	2.4	BF 97 D112M4
					BFF 97 D112M4
13	2950	109.49	21700	1.00	BFA 87 D112M4
15	2630	97.89	24300	1.15	BFAF 87 D112M4
16	2370	88.01	24800	1.25	BF 87 D112M4
					BFF 87 D112M4
19	2060	76.39	24200	1.45	BFA 87 D112M4
21	1840	68.40	23900	1.65	BFAF 87 D112M4
25	1530	58.75	23200	1.95	BF 87 D112M4
28	1360	50.35	22800	2.2	BFF 87 D112M4
31	1220	45.28	22300	2.3	BFA 87 D112M4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
4.0kW							
21	1780	66.46	13400	0.85	BFA	77	D112M4
24	1570	58.32	15200	0.95	BFAF	77	D112M4
28	1490	55.27	15800	1.00	BF	77	D112M4
29	1300	48.37	16900	1.15	BFF	77	D112M4
33	1170	43.58	17600	1.30	BFA	77	D112M4
37	1030	38.23	18200	1.45	BFAF	77	D112M4
42	910	33.74	18800	1.65	BF	77	D112M4
47	800	29.91	19000	1.85	BFF	77	D112M4
58	685	25.54	19300	2.1			
45	850	31.51	18800	1.85	BFA	77	D112M4
49	775	28.75	19100	1.85	BFA	77	D112M4
58	685	25.50	19300	2.2	BF	77	D112M4
66	575	21.43	19500	2.6	BFF	77	D112M4
72	530	19.70	19800	2.8			
52	735	27.41	11000	1.10			
57	675	25.13	11400	1.20			
64	595	22.05	11800	1.40			
68	560	20.90	12100	1.45			
78	490	18.29	12400	1.65			
86	445	16.48	12700	1.85			
98	390	14.46	12800	2.1			
111	345	12.76	13000	2.4	BFA	67	D112M4
126	305	11.31	13000	2.7	BFAF	67	D112M4
147	260	9.66	13000	3.2	BF	67	D112M4
156	245	9.08	13000	2.2	BFF	67	D112M4
165	230	8.60	12800	2.5			
189	205	7.53	12400	3.0			
209	183	6.78	12100	3.4			
239	160	5.95	11700	3.8			
270	141	5.25	11400	4.2			
305	125	4.66	11000	4.5			
357	107	3.97	10600	4.7			
67	570	21.17	6490	1.05			
74	515	19.11	6490	1.15			
84	450	16.81	6450	1.35			
89	425	15.88	6430	1.40			
105	365	13.52	6340	1.65	BFA	57	D112M4
118	330	12.29	6270	1.80	BFAF	57	D112M4
133	285	10.64	6150	2.1	BF	57	D112M4
153	250	9.31	5850	1.70	BFF	57	D112M4
173	220	8.19	5730	1.90			
184	210	7.73	5680	2.0			
216	177	6.58	5510	2.4			
237	161	5.88	5410	2.6			
274	139	5.18	5250	3.0			
5.5kW							
2.5	19300	576	96300	0.85			
2.8	18800	503	103600	1.05			
3.2	15000	446	108200	1.20			
4.1	11800	353	114500	1.55	BFA	157 R97	D132S4
4.7	10100	302	117100	1.80	BFAF	157 R97	D132S4
5.2	9180	273	118400	1.95	BF	157 R97	D132S4
6.2	7750	232	120800	2.3	BFF	157 R97	D132S4
7.1	6750	202	120000	2.7			
7.9	6570	197	120000	2.7			
3.4	14000	418	86500	0.85			
3.8	12600	374	89400	0.95	BFA	127 R87	D132S4
4.6	10500	312	90000	1.15	BFAF	127 R87	D132S4
4.9	9840	293	90000	1.20	BF	127 R87	D132S4
5.5	8680	259	90000	1.40	BFF	127 R87	D132S4
6.4	7500	223	90000	1.60			
3.3	14500	428	85600	0.85	BFA	127 R77	D132S4
3.8	12700	376	89100	0.95	BFAF	127 R77	D132S4
					BF	127 R77	D132S4
					BFF	127 R77	D132S4

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
5.5kW					
65	810	22.05	10400	1.00	
88	770	20.90	10800	1.05	
78	670	18.29	11500	1.20	
87	605	16.48	11900	1.35	
99	530	14.46	12300	1.55	
112	470	12.75	12500	1.75	
126	415	11.31	12800	1.95	BFA 57 D132S4
148	355	9.66	12900	2.3	BFAF 57 D132S4
158	335	9.08	12400	1.80	BF 57 D132S4
166	315	8.60	12300	1.80	BFF 57 D132S4
190	275	7.53	12000	2.2	
211	250	6.78	11700	2.5	
240	220	5.95	11400	2.8	
272	193	5.25	11100	3.1	
307	171	4.66	10700	3.3	
380	148	3.97	10300	3.4	
85	620	16.81	5450	0.95	
90	585	15.88	5480	1.05	
108	495	13.52	5530	1.20	
116	450	12.29	5530	1.35	BFA 57 D132S4
134	390	10.64	5510	1.55	BFAF 57 D132S4
175	300	8.19	5190	1.40	BF 57 D132S4
185	285	7.73	5160	1.50	BFF 57 D132S4
217	240	6.58	5070	1.75	
239	220	5.98	5010	1.90	
276	190	5.18	4900	2.2	
7.5kW					
4.6	14300	312	85900	0.85	BFA 127 R87 D132ML4
4.9	13500	293	87600	0.90	BFAF 127 R87 D132ML4
5.5	11900	259	90000	1.00	BF 127 R87 D132ML4
6.4	10300	223	90000	1.15	BFF 127 R87 D132ML4
7.2	9080	198	90000	1.30	
3.3	21600	217.62	87600	0.85	
4.0	17700	178.20	101100	1.00	
4.4	16200	162.96	105200	1.10	
5.1	14100	141.80	110100	1.30	
5.8	12400	125.14	113300	1.45	
6.6	10800	108.49	116100	1.85	BFA 157 D160L8
7.5	9600	96.53	117800	1.95	BFAF 157 D160L8
8.4	8530	85.80	119200	2.1	BF 157 D160L8
9.2	7810	78.46	120000	2.3	BFF 157 D160L8
11	6780	68.28	120000	2.7	
12	5990	60.25	120000	3.0	
14	5200	52.24	120000	3.5	
15	4820	48.16	120000	3.9	
18	3980	40.08	120000	4.5	
3.6	20000	267.43	94000	0.90	
4.4	16200	217.62	105100	1.10	
5.4	13300	178.20	111700	1.35	
5.9	12200	162.96	113800	1.50	
6.8	10600	141.80	116400	1.70	BFA 157 D160M6
7.7	9340	125.14	118200	1.95	BFAF 157 D160M6
8.9	8090	108.49	119700	2.2	BF 157 D160M6
9.9	7200	96.53	120000	2.5	BFF 157 D160M6
11	6400	85.80	120000	2.8	
12	5850	78.46	120000	3.1	
14	5090	68.28	120000	3.5	
16	4500	60.25	120000	4.0	
18	3900	52.24	120000	4.6	
5.7	12500	125.37	89500	0.95	BFA 127 D160L8
6.3	11400	114.34	90000	1.05	BFAF 127 D160L8
7.3	9840	98.95	90000	1.20	BF 127 D160L8
8.2	8890	87.31	90000	1.40	BFF 127 D160L8
5.8	12700	170.83	89000	0.95	BFA 127 D160M6
6.2	11500	153.67	90000	1.05	BFAF 127 D160M6
7.2	9350	125.37	90000	1.30	BF 127 D160M6
8.4	8530	114.34	90000	1.40	BFF 127 D160M6

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
7.5kW					
8.4	8580	170.83	90000	1.40	BFA 127 D132M4
9.3	7700	153.67	90000	1.55	BFAF 127 D132M4
11	6280	125.37	90000	1.90	BF 127 D132M4
					BFF 127 D132M4
8.0	8950	178.64	48300	0.85	BFA 107 D132M4
8.9	8080	161.28	48700	0.95	BFAF 107 D132M4
9.8	7340	146.40	50700	1.05	BF 107 D132M4
11	6510	129.97	52800	1.20	BFF 107 D132M4
12	5910	117.94	54200	1.30	
14	5080	101.38	56100	1.50	BFA 107 D132M4
15	4630	92.47	57100	1.65	BFAF 107 D132M4
16	4430	88.49	57500	1.75	BF 107 D132M4
17	4210	83.89	58000	1.85	BFF 107 D132M4
19	3730	74.52	59000	2.1	
21	3390	67.62	59800	2.3	
15	4890	97.56	19300	0.80	BFA 97 D132M4
16	4500	89.85	20300	0.95	BFAF 97 D132M4
17	4340	86.59	20800	1.00	BF 97 D132M4
18	4020	80.31	20700	1.05	BFF 97 D132M4
19	3790	75.63	21300	1.15	
20	3620	72.29	21800	1.20	
22	3280	65.47	32200	1.30	
25	2910	58.06	31800	1.50	BFA 97 D132M4
27	2630	52.49	31400	1.65	BFAF 97 D132M4
32	2230	44.49	30600	1.95	BF 97 D132M4
37	1950	38.86	29900	2.2	BFF 97 D132M4
44	1630	32.50	28900	2.8	
33	2170	43.28	30500	1.40	BFA 97 D132M4
39	1840	36.64	29600	1.65	BFAF 97 D132M4
42	1700	33.91	29200	2.5	BF 97 D132M4
47	1520	30.39	28500	2.8	BFF 97 D132M4
25	2940	56.75	18100	1.05	
28	2520	50.38	18200	1.15	BFA 87 D132M4
32	2270	45.28	18200	1.25	BFAF 87 D132M4
36	1970	39.30	18100	1.40	BF 87 D132M4
41	1760	35.19	18000	1.50	BFF 87 D132M4
49	1480	29.20	17600	1.70	
50	1440	28.78	17600	1.70	
54	1330	26.50	17400	2.3	BFA 87 D132M4
60	1190	23.68	17100	2.5	BFAF 87 D132M4
67	1070	21.32	16800	2.8	BF 87 D132M4
74	970	19.31	16500	3.1	BFF 87 D132M4
84	850	17.12	16200	3.5	
92	775	15.48	15900	3.9	
42	1680	33.74	14300	0.90	BFA 77 D132M4
48	1500	29.91	15700	1.00	BFAF 77 D132M4
58	1280	25.54	17000	1.15	BF 77 D132M4
					BFF 77 D132M4
56	1280	25.50	17100	1.15	
67	1070	21.43	18000	1.40	
73	990	19.70	18400	1.50	
82	880	17.49	18800	1.70	
91	785	15.64	19000	1.80	
102	705	14.05	18600	2.1	BFA 77 D132M4
117	610	12.20	18000	2.5	BFAF 77 D132M4
131	545	10.93	17600	2.7	BF 77 D132M4
154	465	9.30	18500	2.3	BFF 77 D132M4
173	415	8.26	16100	2.6	
194	370	7.39	15700	2.9	
215	335	6.64	15300	3.2	
248	290	5.76	14800	3.7	
277	260	5.16	14500	4.2	
334	215	4.28	13800	4.7	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
9.2kW					
4.1	19700	353	94800	0.90	
4.8	16900	302	103300	1.05	BFA 157 R97 D132ML4
5.3	15300	273	107400	1.20	BFAF 157 R97 D132ML4
6.2	13000	232	112400	1.40	BF 157 R97 D132ML4
7.1	11300	202	115300	1.60	BFF 157 R97 D132ML4
7.3	11000	197	115800	1.65	
5.6	14500	259	85600	0.85	BFA 127 R87 D132ML4
6.4	12500	223	89400	0.95	BFAF 127 R87 D132ML4
7.3	11100	198	90000	1.10	BF 127 R87 D132ML4
					BFF 127 R87 D132ML4
8.4	10400	170.83	90000	1.15	BFA 127 D132ML4
9.4	9380	153.87	90000	1.30	BFAF 127 D132ML4
11	7650	125.37	90000	1.55	BF 127 D132ML4
13	6980	114.34	90000	1.70	BFF 127 D132ML4
15	6040	98.95	90000	2.0	
9.8	8940	146.49	48300	0.85	BFA 107 D132ML4
11	7830	129.97	49100	0.95	BFAF 107 D132ML4
12	7200	117.94	51100	1.05	BF 107 D132ML4
14	6180	101.38	53600	1.25	BFF 107 D132ML4
16	5640	92.47	54900	1.35	
17	5120	83.99	56000	1.50	BFA 107 D132ML4
19	4550	74.52	57300	1.70	BFAF 107 D132ML4
21	4130	67.62	58200	1.85	BF 107 D132ML4
25	3550	58.12	58300	2.2	BFF 107 D132ML4
28	3100	50.73	56800	2.5	
18	4900	80.31	18700	0.90	BF 97 D132ML4
19	4610	75.63	28900	0.95	BFAF 97 D132ML4
20	4410	72.29	29600	0.95	BF 97 D132ML4
22	3980	65.47	29600	1.10	BFF 97 D132ML4
25	3540	58.06	29500	1.20	
27	3200	52.49	29300	1.35	BFA 97 D132ML4
32	2710	44.49	28800	1.60	BFAF 97 D132ML4
37	2370	38.86	28400	1.80	BF 97 D132ML4
44	1980	32.50	27600	2.2	BFF 97 D132ML4
42	2070	33.91	27800	2.1	BFA 97 D132ML4
47	1850	30.39	27300	2.3	BFAF 97 D132ML4
52	1670	27.44	26800	2.6	BF 97 D132ML4
58	1520	24.92	26300	2.8	BFF 97 D132ML4
29	3070	50.36	16000	0.95	BFA 87 D132ML4
32	2760	45.28	16200	1.00	BFAF 87 D132ML4
37	2400	39.30	16400	1.15	BF 87 D132ML4
41	2150	35.19	16400	1.20	BFF 87 D132ML4
49	1780	29.20	16300	1.40	
54	1620	28.50	16200	1.85	
61	1440	23.68	16100	2.1	BFA 87 D132ML4
68	1300	21.32	15900	2.3	BFAF 87 D132ML4
75	1180	19.31	15700	2.5	BF 87 D132ML4
84	1040	17.12	15400	2.9	BFF 87 D132ML4
93	940	15.48	15200	3.2	
110	800	13.12	14700	3.8	

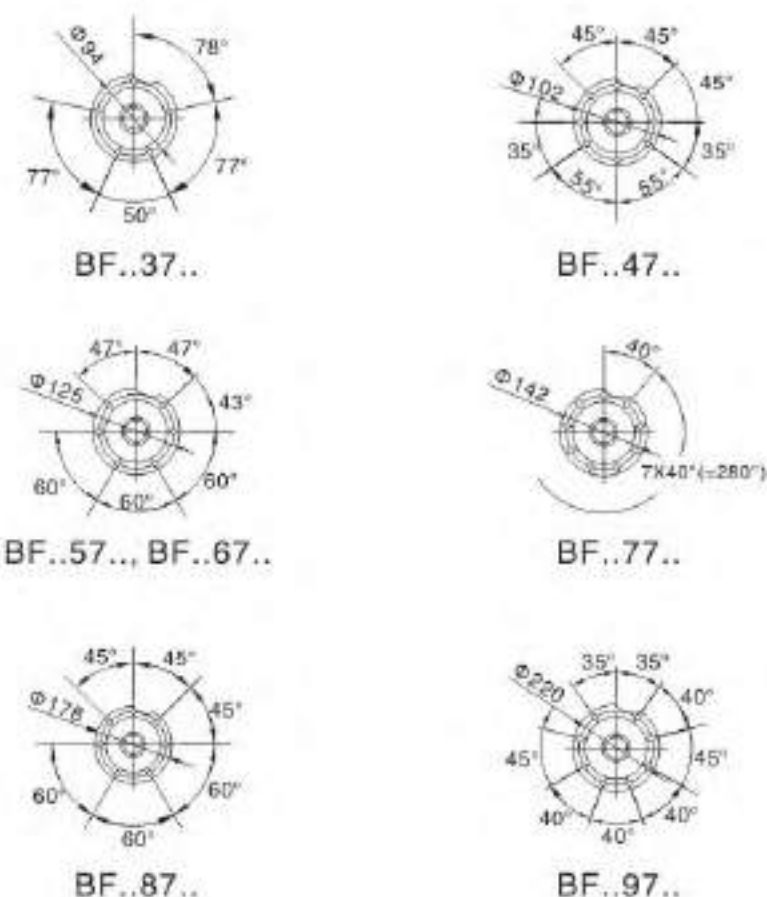
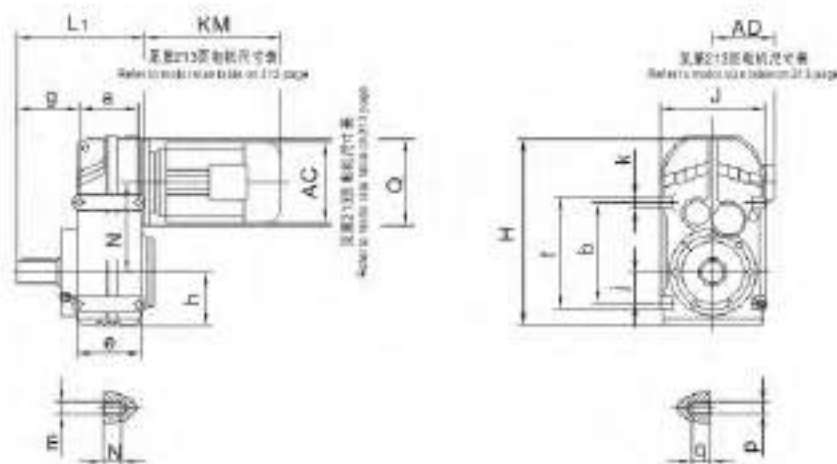
输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
9.2kW					
73	1200	19.70	17400	1.25	
82	1070	17.49	18000	1.40	
92	950	15.64	18300	1.55	
102	860	14.06	18000	1.75	
118	745	12.20	17500	2.0	BFA 77 D132ML4
132	685	10.93	17100	2.2	BFAF 77

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
11.0kW					
17	6130	83.99	53700	1.25	BFA 107 D160M4
19	5440	74.52	55300	1.40	
21	4930	67.62	56500	1.55	
25	4240	58.12	56400	1.80	
28	3760	50.73	55100	2.1	
33	3140	43.03	53500	2.5	BFA 107 D160M4
43	2470	33.79	51000	3.0	
52	2010	27.57	48800	3.9	
57	1830	25.14	47800	4.3	
22	4780	65.47	24000	0.90	BFA 97 D160M4
25	4240	58.06	27100	1.00	
27	3830	52.49	27100	1.10	
32	3250	44.48	27000	1.30	
37	2830	38.86	26700	1.50	BFA 97 D160M4
44	2370	32.50	26200	1.80	
42	2470	33.91	28400	1.75	
47	2220	30.39	28000	1.95	
52	2000	27.44	25600	2.2	BFA 97 D160M4
58	1820	24.92	25200	2.4	
65	1610	22.11	24700	2.7	
37	2870	30.30	14800	0.95	BFA 87 D160M4
41	2570	35.19	14800	1.00	
49	2130	29.20	15000	1.20	
54	1930	26.50	15000	1.55	
61	1730	23.68	15000	1.75	BFA 87 D160M4
68	1560	21.32	14900	1.95	
75	1410	19.31	14800	2.1	
84	1250	17.12	14800	2.4	
93	1130	15.48	14400	2.7	BFA 87 D160M4
110	980	13.12	14100	3.1	
73	1440	19.70	16100	1.05	BFA 77 D160M4
82	1280	17.45	17100	1.20	
92	1140	15.64	17600	1.30	
102	1030	14.06	17400	1.45	
118	890	12.20	17000	1.70	BFA 77 D160M4
132	795	10.93	16700	1.90	
155	680	9.30	15500	1.60	
174	605	8.26	15200	1.80	
195	540	7.39	14900	2.0	BFA 77 D160M4
217	485	6.64	14600	2.2	
250	420	5.76	14200	2.6	
279	375	5.16	13900	2.9	
336	310	4.28	13300	3.2	BFA 77 D160M4
63	20900	232	90400	0.85	
7.2	18300	202	95500	1.00	
7.4	17700	197	101000	1.00	
6.8	20900	141.80	90400	0.85	BFA 157 D180L6
7.8	18500	125.14	98800	0.95	
8.9	16000	108.49	105700	1.10	
10	14300	98.53	109800	1.25	
11	12700	85.80	112900	1.40	BFA 157 D180L6

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
15.0kW					
6.7	21400	217.62	88800	0.85	BFA 157 D160L4
8.2	17500	178.20	101800	1.05	
9.0	16000	162.98	105700	1.15	
10	13900	141.80	110500	1.30	
12	12300	125.14	113600	1.45	
13	10600	108.49	116300	1.70	BFA 157 D160L4
15	9470	96.53	115800	1.90	
17	8420	85.80	113200	2.1	
19	7700	78.45	111200	2.3	
21	6700	68.28	108000	2.7	
24	5910	60.25	105100	3.0	BFA 127 D180L6
9.8	14800	98.95	85300	0.80	
11	12900	87.31	88700	0.95	
13	11100	75.41	88300	1.10	
14	10300	70.67	87600	1.15	
15	9440	63.91	86700	1.25	BFA 127 D180L4
12	12300	125.37	88000	1.00	
13	11200	114.34	88300	1.05	
15	9710	98.95	87000	1.25	
17	8570	87.31	85600	1.40	
19	7400	75.41	83800	1.60	BFA 107 D160L4
21	6870	70.67	82800	1.75	
10	9070	92.47	45900	0.85	
17	8680	88.49	47100	0.90	
17	8240	83.99	48300	0.95	
20	7310	74.52	50800	1.05	BFA 107 D160L4
22	6630	67.62	52500	1.15	
25	5700	58.12	52200	1.35	
23	4980	50.73	51500	1.55	
34	4220	43.03	50400	1.80	
39	3690	37.61	49300	2.1	BFA 107 D160L4
46	3120	31.80	48000	2.5	
43	3320	33.79	48500	2.2	
53	2700	27.57	46700	2.9	
58	2470	25.14	45900	3.2	
67	2130	21.76	44500	3.7	BFA 97 D160L4
33	4360	44.49	22900	1.00	
38	3810	38.86	23100	1.15	
45	3190	32.50	23200	1.35	
43	3330	33.81	23200	1.30	BFA 97 D160L4
48	2980	30.39	23200	1.45	
53	2690	27.44	23100	1.60	
59	2450	24.82	22800	1.75	
66	2170	22.11	22600	2.0	
73	1970	20.07	22400	2.2	BFA 97 D160L4
85	1690	17.25	21900	2.5	
97	1480	15.06	21400	2.9	
114	1250	12.77	20800	3.4	
131	1100	11.16	20200	3.7	BFA 87 D160L4
55	2600	26.50	12300	1.15	
62	2320	23.68	12600	1.30	
68	2090	21.32	12700	1.45	
75	1890	19.31	12800	1.60	
85	1680	17.12	12900	1.80	BFA 87 D160L4
94	1520	15.48	12800	2.0	
111	1290	13.12	12700	2.3	
127	1120	11.46	12600	2.7	
152	940	9.58	12300	3.1	
176	810	8.29	11700	1.90	BFA 87 D160L4
199	720	7.35	11500	2.1	
220	650	6.85	11300	2.3	
259	555	5.83	11000	2.8	
297	485	4.82	10700	3.2	BFA 87 D160L4
355	405	4.12	10300	3.8	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
18.5kW					
7.2	22500	202	76400	0.80	BFA 157 R97 D180M4
7.5	21800	197	86800	0.80	
8.2	21500	178.20	88200	0.85	
9.0	19700	162.98	95000	0.90	
10	17100	141.80	102800	1.05	
12	15100	125.14	107900	1.20	BFA 157 D180M4
14	13100	108.49	112100	1.40	
15	11600	96.53	111300	1.55	
17	10300	85.80	109300	1.75	
19	9480	78.45	107600	1.90	
21	8230	68.28	104900	2.2	BFA 127 D180M4
24	7270	60.25	102300	2.5	
28	6300	52.24	99300	2.8	
13	13800	114.34	82200	0.85	BFA 127 D180M4
15	11900	98.95	81700	1.00	
17	10500	87.31	80900	1.15	
19	9690	75.41	79700	1.30	
21	8450	70.67	79000	1.40	
23	7710	63.91	78100	1.55	BFA 107 D180M4
26	6670	55.31	76400	1.80	
30	5880	48.80	74900	2.0	
20	8890	74.52	46200	0.85	BFA 107 D180M4
22	8150	67.62	48500	0.95	
25	7010	58.12	48700	1.10	
29	6120	50.73	48400	1.25	
34	5190	43.03	47700	1.50	BFA 107 D180M4
39	4540	37.61	47000	1.70	
46	3830	31.80	46000	2.0	
43	4070	33.79	46400	1.80	BFA 107 D180M4
53	3320	27.57	45000	2.4	
58	3030	25.14	44300	2.6	
67	2620	21.76	43200	3.0	
38	4690	38.86	20000	0.90	BFA 97 D180M4
45	3920	32.50	20600	1.10	
53	3310	27.44	20800	1.30	
59	3010	24.92	20900	1.45	
66	2670	22.11	20900	1.60	
73	2420	20.07	20800	1.80	BFA 97 D180M4
85	2080	17.25	20500	2.1	
97	1820	15.06	20200	2.4	
115	1540	12.77	19800	2.8	
131	1350	11.16	19300	3.0	BFA 87 D180M4
69	2570	21.32	10900	1.15	
76	2330	19.31	11100	1.30	
86	2060	17.12	11400	1.45	
95	1870	15.48	11500	1.60	
112	1580	13.12	11600	1.80	BFA 87 D180M4
128	1380	11.46	11600	2.2	
153	1160	9.58	11500	2.5	
177	1000	8.29	10900	1.55	
199	890	7.35	10800	1.75	BFA 87 D180M4
220	800	6.85	10700	1.90	
260	680	5.83	10400	2.2	
298	595	4.92	10200	2.6	
356	485	4.12	9900	2.9	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
22kW					
10	20900	96.53	90500	0.85	BFA 157 D200L6
11	18600	85.80	98500	0.95	
12	17000	78.45	103100	1.05	
14	14800	68.28	107700	1.20	
10	20300	141.80	92800	0.90	BFA 157 D180L4
12	17900	125.14	100400	1.00	
14	15600	108.49	106800	1.15	
15	13800	96.53	106900	1.30	



型号 size	a b	e f	g	h	j	k	m n	P Q	轴伸尺寸 Shaft dimension				
									d	l	11 12	S	t u
BF37.. BFA37B..	77 115	95 135	72.5	76	31	20	M8 11	M8 11	25k6	50	5 40	M10	28 8
BF47.. BFA47B..	93 145	109 165	91	77	43	20	M8 11	M10 15	30k6	60	3.5 50	M10	33 8
BF57.. BFA57B..	102 170	126 195	104.5	93	55	25	M12 17	M12 17	35k6	70	7 56	M12	38 10
BF67.. BFA67B..	112 190	131 215	118.5	97	60	25	M12 17	M12 17	40k6	80	5 70	M16	43 12
BF77.. BFA77B..	140 240	165 275	137.5	121	70	35	M12 17	M16 26	50k6	100	10 80	M16	53.5 14
BF87.. BFA87B..	165 310	195 350	163	152	100	40	M16 26	M16 26	60m6	120	5 110	M20	64 18
BF97.. BFA97B..	205 350	240 400	190.5	178	120	50	M16 26	M20 28	70m6	140	7.5 125	M20	74.5 20
BF107.. BFA107B..	220 400	260 460	241.5	200	125	60	/	M24 36	90m6	170	5 160	M24	95 25
BF127.. BFA127B..	270 450	316 520	291	236	142	70	/	M30 45	110m6	210	15 180	M24	116 28
BF157.. BFA157B..	310 540	364 620	325	286	170	80	/	M36 55	120m6	210	5 200	M24	127 32

型号 Model	空心轴尺寸 Hollow shaft dimension								HJ	L1	L2	N	Q
	d1	d2	l3 l4	l5	l6 l7	l8	s1	t1 u1					
BF37.. BFA37B..	30H7	45	2.5 22.5	123	120 105	17	M10X25	33.3 8	252 165	160	110	112	120
BF47.. BFA47B..	35H7	50	3 31	153	150 132	22	M10X25	38.3 10	269 180	193	133	128.1	120
BF57.. BFA57B..	40H7	55	3 33.5	170	166 142	29	M16X40	43.3 12	317 200	221	150	136	160
BF67.. BFA67B..	40H7	55	3.5 37	184	180 156	29	M16X40	43.3 12	343 212	242	161	159.5	160
BF77.. BFA77B..	50H7	70	4 36.5	213	210 183	32	M16X45	53.8 14	426 270	294	193	200	200
BF87.. BFA87B..	60H7	85	4 43	243	240 210	36	M20X50	64.4 18	531 330	344	224	246.7	250
BF97.. BFA97B..	70H7	95	4 48.5	303	300 270	34	M20X50	74.9 20	623 400	416	274	285	300
BF107.. BFA107B..	90H7	118	2.5 69.5	353	350 313	40	M24X60	95.4 25	717 450	484	312	332.4	350
BF127.. BFA127B..	100H7	135	2.5 79.25	413	410 373	38	M24X60	106.4 28	856 530	585	373	382.6	450
BF157.. BFA157B..	120H7	155	7 118	503	500 460	36	M24X60	127.4 32	1021 660	662	455	447	550

BFF37..~BFF157..



BFAF37..~BFAF157

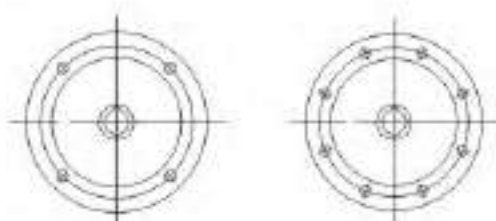
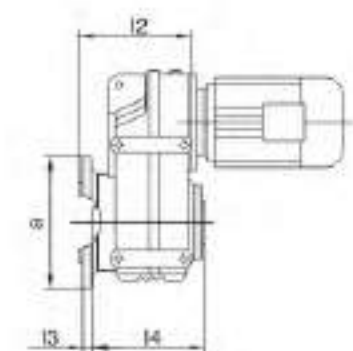
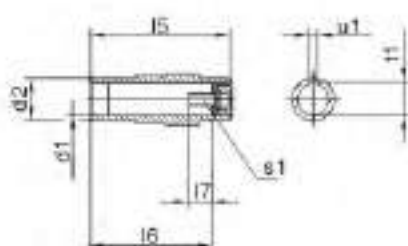


Fig.1

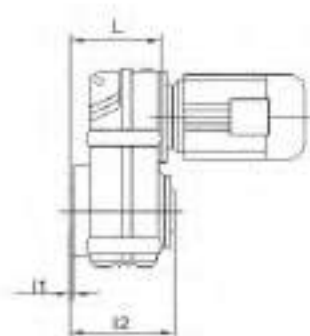
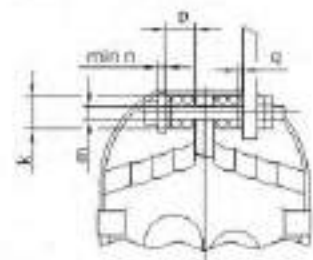
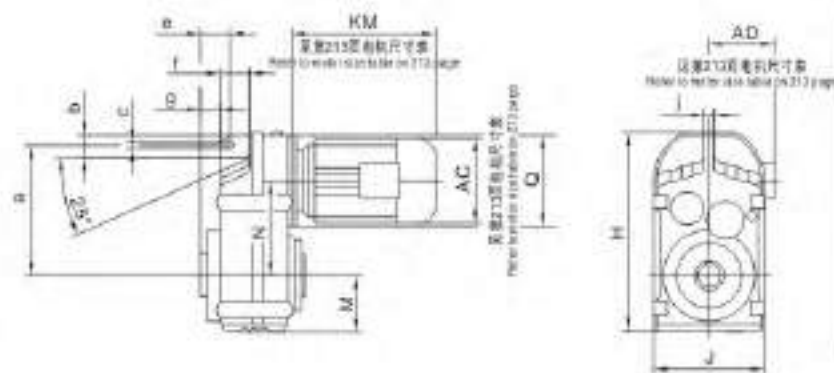
Fig.2

法兰型式
flange form



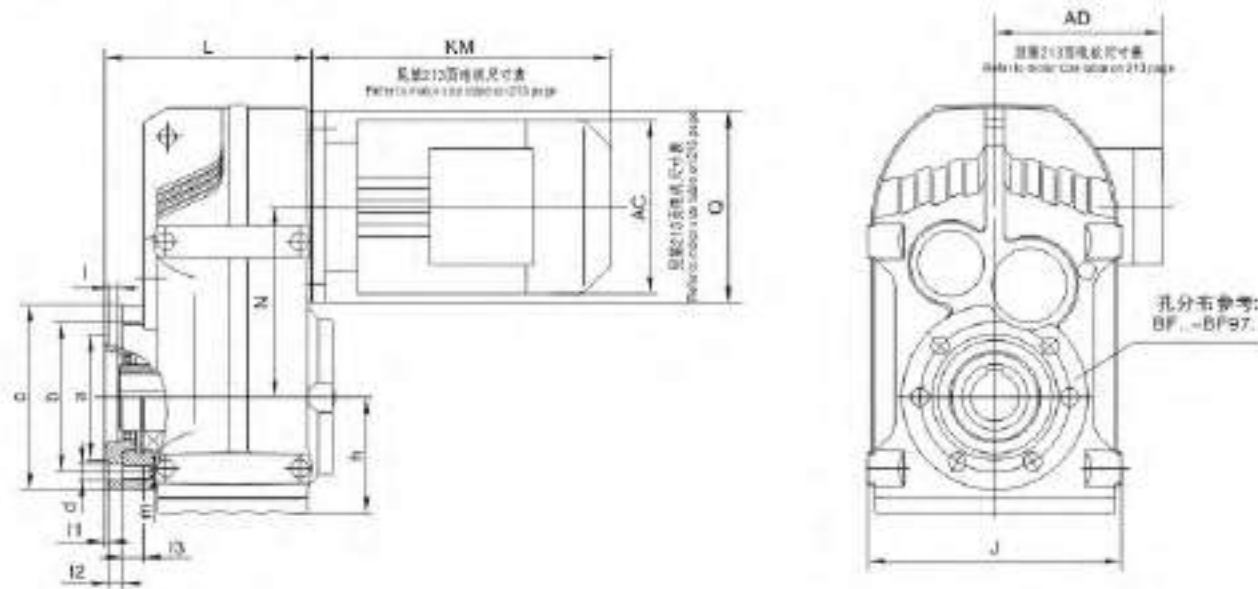
型号 Model	法兰 型式 flange form	a b	c e	f g	轴伸尺寸 Shaft dimension				空心轴尺寸 Hollow Shaft dimension					H J	L1 L2	M N G
					d l	h1 l2	s	L u	d1 d2	l3 l4	l5 l6	l7 l8	l1 u1			
BFF37.. BFAF37..	Fig.1	160 110j6	3.5 10	130 9	25k6 50	5 40	M10	28 8	30H7 45	24 123	120 105	17 M10X25	33.3 8	252 165	184 138	76 112 120
BFF47.. BFAF47..	Fig.1	200 130j6	3.5 12	165 11	30k6 60	3.5 50	M10	33 8	35H7 50	25 153	150 132	22 M10X25	38.3 10	269 180	218 162	77 128.1 120
BFF57.. BFAF57..	Fig.1	250 180j6	4 15	215 13.5	35k6 70	7 56	M12	38 10	40H7 55	23.5 170	168 142	29 M16X40	43.3 12	317 200	243 177	93 136 160
BFF67.. BFAF67..	Fig.1	250 180j6	4 15	215 13.5	40k6 80	5 70	M16	43 12	40H7 55	23 184	180 156	29 M16X40	43.3 12	343 212	264 188	97 159.5 160
BFF77.. BFAF77..	Fig.1	300 230h6	4 16	265 13.5	50k6 100	10 80	M16	53.5 14	50H7 70	37 213	210 183	32 M16X45	53.8 14	426 270	330 234	121 200 200
BFF87.. BFAF87..	Fig.1	350 250h6	5 18	300 17.5	60m6 120	5 110	M20	64 18	60H7 85	30 243	240 210	36 M20X50	64.4 18	531 330	374 259	152 246.7 250
BFF97.. BFAF97..	Fig.2	450 350h6	5 22	400 17.5	70m6 140	7.5 125	M20	74.5 20	70H7 95	41.5 303	300 270	34 M20X50	74.9 20	623 400	456 321	178 285 300
BFF107.. BFAF107..	Fig.2	450 350h6	5 22	400 17.5	90m6 170	5 160	M24	95 25	90H7 118	41 353	350 313	40 M24X60	95.4 25	717 450	523 358	200 332.4 350
BFF127.. BFAF127..	Fig.2	550 450h6	5 25	500 17.5	110m6 210	15 180	M24	116 28	100H7 135	51 413	410 373	38 M24X60	106.4 28	856 530	643 426	236 382.6 450
BFF157.. BFAF157..	Fig.2	660 550h6	6 28	600 22	120m6 210	5 200	M24	127 32	120H7 155	60 503	500 460	36 M24X60	127.4 32	1021 660	725 521	286 447 550

BF..37/G..~BF..157/G..

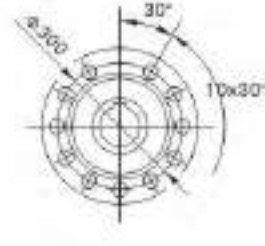


型号 Model	a b	c e	f g	空心轴尺寸 Hollow Shaft dimension					扭矩臂尺寸 Torque arm form		H J I	L	M	N O
				d1 d2	l1 l2	l3 l4	l5 l6	t u	k m n	p q				
BFA37.. BF..37/G..	158 30	14 31.5	46 15	30H7 45	0.5 123	120 105	17 M10X25	33.3 8	40 12.5 5	20 1	252 172 12	110	76	112 120
BFA47.. BF..47/G..	170 22	14 32	64 12	35H7 50	1 153	150 132	22 M10X25	38.3 10	40 12.5 5	20 1.8	269 189 12	133	77	128.1 120
BFA57.. BF..57/G..	198 31	14 40.5	60 19.5	40H7 55	1 170	166 142	29 M16X40	43.3 12	40 12.5 5	20 2.4	317 210 14	150	93	136 160
BFA67.. BF..67/G..	218 40	14 41	65 21	40H7 55	1 184	180 156	29 M16X40	43.3 12	40 12.5 5	20 3	343 223 16	161	97	159.5 160
BFA77.. BF..77/G..	278 49	22 50	69 28	50H7 70	1 213	210 183	32 M16X45	53.8 14	60 21 10	30 3.2	426 282 20	193	121	200 200
BFA87.. BF..87/G..	346 57	22 62	79 32	60H7 85	1 243	240 210	36 M20X50	64.4 18	60 21 10	30 4.5	531 336 26	224	152	246.7 250
BFA97.. BF..97/G..	395 68	26 70	104 34	70H7 95	1 303	300 270	34 M20X50	74.9 20	80 25 12	40 5	623 414 30	274	178	285 300
BFA107.. BF..107/G..	485 108	26 88	100 57	90H7 118	2.5 353	350 313	40 M24X60	95.4 25	80 25 12	40 6	717 456 36	312	200	332.4 350
BFA127.. BF..127/G..	550 138	33 110	125 66	100H7 135	2.5 413	410 373	38 M24X60	106.4 28	100 32 15	60 9	856 530 40	373	236	382.6 450
BFA157.. BF..157/G..	660 170	33 150	140 98	120H7 155	7 503	500 460	36 M24X60	127.4 32	120 32 15	60 9	1021 660 45	455	286	447 550

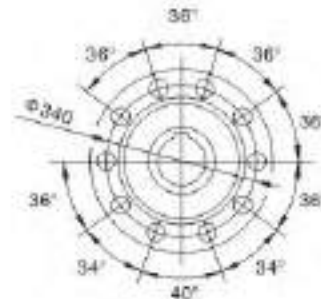
BFAZ37..~BFAZ157..



BFAZ107..



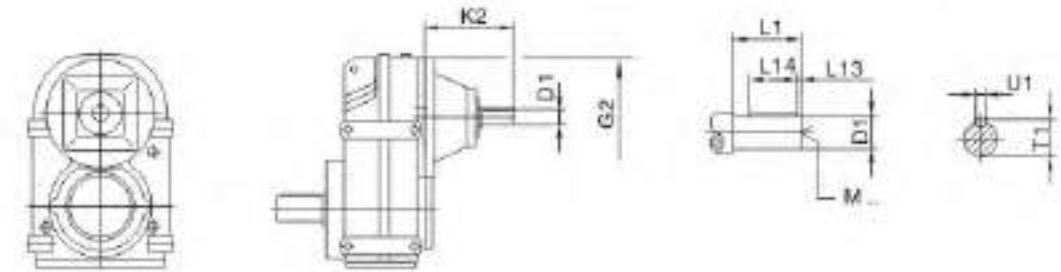
BFAZ127..



BFAZ157..

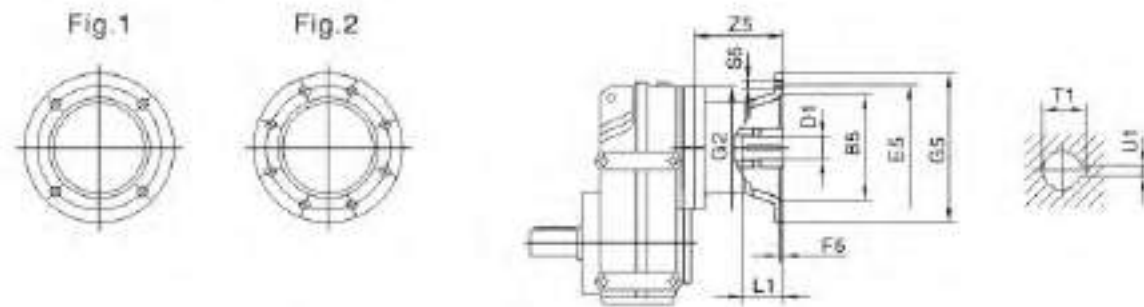
型号 Model	a	b	c	d	h	J	L	I	I1	I2	I3	m	N	Q
BFAZ37..	80j6	94	110	9	76	165	122	9	3	11.5	11	M8	112	120
BFAZ47..	80j6	102	120	9	77	180	144	8	3	11	11	M8	128.1	120
BFAZ57..	105j6	125	155	13.5	93	200	162	9	3.5	12	17	M12	136	160
BFAZ67..	105j6	125	155	13.5	97	212	173	8.5	3.5	12	17	M12	159.5	160
BFAZ77..	125j6	142	170	13.5	121	270	206	10	3.5	14	17	M12	200	200
BFAZ87..	155j6	178	215	17.5	152	330	239	11	4	15	26	M16	246.7	250
BFAZ97..	180j6	220	260	17.5	178	400	292	14	4	18	26	M16	285	300
BFAZ107..	210j6	260	304	22	200	450	312	8	4	22	28	M20	332.4	350
BFAZ127..	250j6	300	350	22	236	530	377.5	5	5	30	28	M20	382.6	450
BFAZ157..	290j6	340	400	26	286	660	455	14	5	28	36	M24	447	550

BF..AD..



减速机型号 Gear unit size	联接盘规格 Motor adaptor	G2	K2	D1	L1	L13	L14	T1	U1	M
BF..37	AD1	120	102	16	40	4	32	18	5	M5
BF..47	AD2		130	19	40	4	32	21.5	6	M6
BF..57	AD2	160	123	19	40	4	32	21.5	6	M6
BF..67	AD3		159	24	50	5	40	27	8	M8
BF..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
BF..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
BF..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16
BF..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
	AD6		321	48	110	10	80	51.5	14	M16
	AD7		383	70	140	15	110	74.5	20	M20
BF..127	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
	AD7		300	55	110	10	90	59	16	M20
BF..157	AD5	550	258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

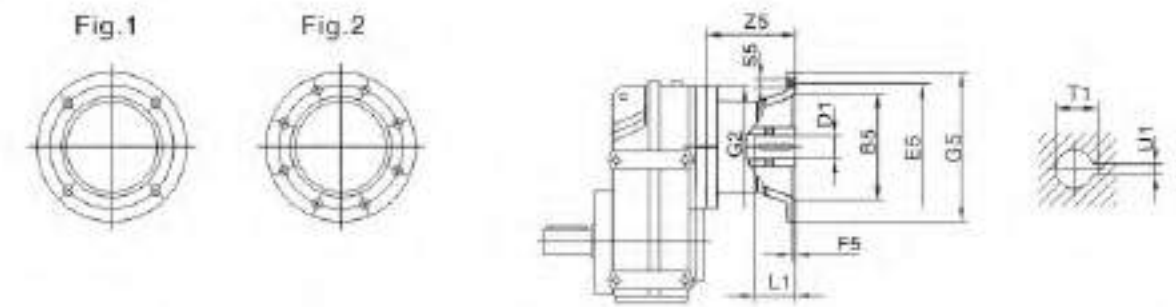
BF..AM..



减速机型号 Gear unit size	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1
BF..37 BF..47	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4
	AM71 ¹⁾		110	130			160			14	30	16.3	5
	AM80 ¹⁾		130	165	4.5		200	M10	106	19	40	21.8	6
	AM90 ¹⁾									24	50	27.3	8
BF..57 BF..67	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	99	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100 ¹⁾		180	215	5		250	M12	134	28	60	31.3	8
	AM112 ¹⁾									28	60	31.3	8
BF..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4
	AM71		110	130			160			14	30	16.3	5
	AM80		130	165	4.5		200	M10	92	19	40	21.8	6
	AM90									24	50	27.3	8
	AM100 ¹⁾		180	215	5		250	M12	126	28	60	31.3	8
	AM112 ¹⁾												
	AM132S ¹⁾		230	265	5		300		179	38	80	41.3	10
	AM132M ¹⁾												
AM132ML ¹⁾	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
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	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
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										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38	80	41.3	10				
										230	265	5	300
	230	265	5	300	179	38							

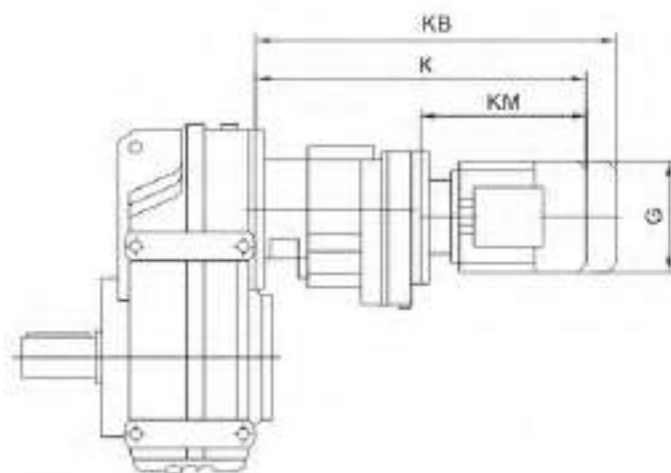
1) 如果安装在BF系列底脚安装方式减速机上，请检查尺寸G5/2，它可能已突出平面。
Dimension G5/2 May protrude past foot mounting surface if mounted on BF foot - mounted gear unit, please check.

BF..AM..



减速机型号 Gear unit size	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1							
BF..107	AM100	1	180	215	5	350	250	M12	110	28	60	31.3	8							
	AM112		230	265			300		163	38	80	41.3	10							
	AM132S																			
	AM132M		250	300	6		350	M16	221	42	48	110	45.3	12						
	AM132ML																			
	AM160	2	300	350	7	400	M16	262	55	140	64.4	18								
	AM180																			
	AM200																			
	AM225	350	400																	
BF..127	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10							
	AM132M		250	300			6		350	M16	206	42	48	110	45.3	12				
	AM132ML																			
	AM160		300	350	7		400	450	247								55	140	64.4	18
	AM180																			
	AM200																			
	AM225	2	350	400	7	450	550	336	65	75	140	69.4	20							
	AM250																			
	AM280																			
BF..157	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12							
	AM180		300	350			400		48	239		55	64.4	18						
	AM200																			
	AM225	2	350	400	7		450		550	254	60	140	69.4	20						
	AM250																			
	AM280																			

BF..R..



减速机型号 Gear unit size	电机规格 Motor type	G	K	KB	KM
BF..37R17 BF..47R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BF..57R37	D63..	155	400	457	235
	D71D	155	401	465	236
BF..67R37	D80..	155	451	515	286
	D63..	155	401	457	235
	D71D	155	401	465	236
BF..77R37	D80..	155	451	515	286
	D90..	210	451	536	288
	D63..	155	392	449	235
BF..87R57	D71D	155	393	457	236
	D80..	155	443	507	286
	D90..	210	443	528	286
BF..97R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	155	495	559	279
BF..107R77	D90..	210	495	580	279
	D100M	210	545	630	329
	D100L	210	565	650	349
BF..127R77	D63..	155	440	497	228
	D71D	155	440	504	229
	D80..	155	490	554	279
BF..127R87	D90..	210	510	595	299
	D100M	210	540	625	329
	D100L	210	560	645	349
BF..157R97	D112M	240	575	655	364
	D63..	155	470	527	223
	D71D	155	470	534	223
BF..127R77	D80..	155	520	584	273
	D90..	210	518	603	271
	D100M	210	568	653	321
BF..107R77	D100L	210	588	673	341
	D112M	240	602	682	355
	D132S	285	647	727	400
BF..127R77	D132M	285	699	811	452
	D132ML	285	719	831	472
	D160M	330	749	871	512

注：上表中电机尺寸为参考尺寸，因空间限制对尺寸有严格要求时请向我公司咨询。
Notes: The dimension of motor in the above table is only for reference. If you have special require, please consult us.

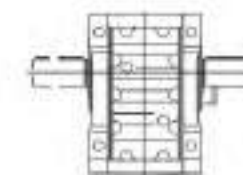
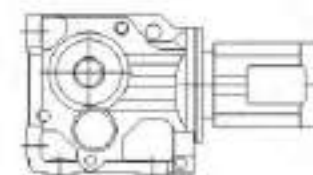
7. BK 斜齿轮 – 伞齿轮减速电机 BK Helical – Bevel Geared Motor

7.1 设计方案

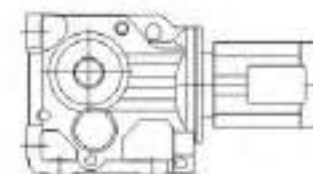
7.1 Versions of geared motors

斜齿轮 – 伞齿轮减速电机有以下设计方案

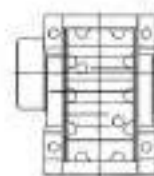
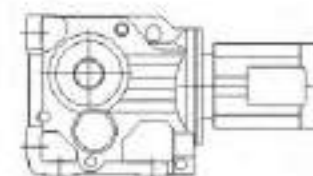
The following types of helical – bevel geared motor can be supplied:



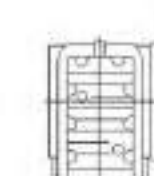
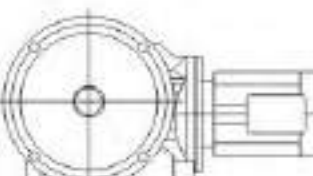
BK..D..
底脚安装斜齿轮—伞齿轮减速电机
Foot – mounted helical – bevel geared motor



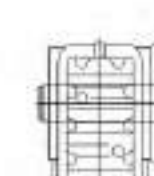
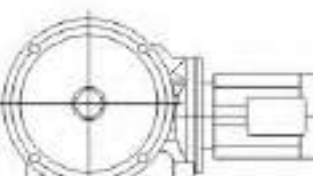
BKA..B D..
底脚空心轴安装斜齿轮—伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft.



BKV..B D..
底脚花键空心轴(DIN5480)安装斜齿轮—伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft and splined hollow shaft to DIN 5480.



BKH..B D..
底脚空心轴锁紧盘安装斜齿轮—伞齿轮减速电机
Foot – mounted helical – bevel geared motor with hollow shaft and shrink disk.

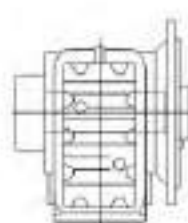
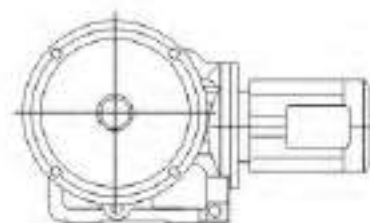


BKF..D..
B5 法兰安装斜齿轮—伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version

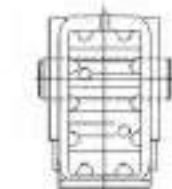
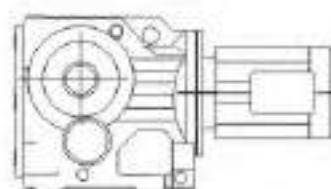


BKA..D..
B5 法兰空心轴安装斜齿轮—伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version with hollow shaft.

BKVF..D..
B5 法兰花键空心轴(DIN5480)安装斜齿轮—伞齿轮减速电机
Helical – bevel geared motor in B5 flange – mounted version with hollow shaft and splined hollow shaft to DIN 5480.

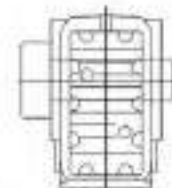
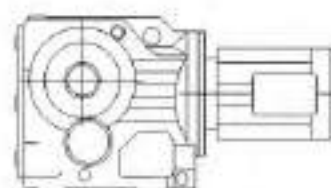


BKHF..D..
 B5 法兰空心轴锁紧盘安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor in B5 flange - mounted version with hollow shaft and shrink disk.

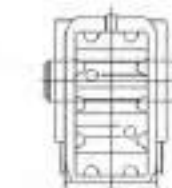
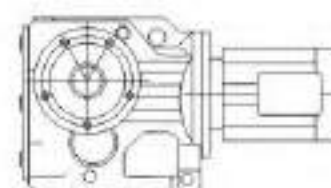


BKA..D..
 空心轴安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor with hollow shaft

BKV..D..
 花键空心轴(DIN 5480)安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor with hollow shaft and splined hollow shaft to DIN 5480.

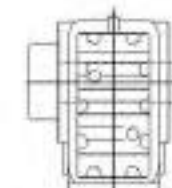
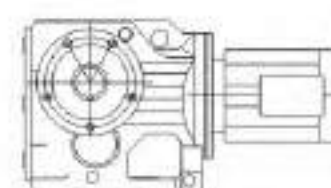


BKH..D..
 空心轴锁紧盘安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor with hollow shaft and shrink disk



BKAZ..D..
 B14 法兰空心轴安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor in B14 flange - mounted version with hollow shaft

BKVZ..D..
 B14 法兰花键空心轴(DIN 5480)安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor in B14 flange - mounted version with hollow shaft and splined hollow to DIN 5480.



BKHZ..D..
 B14 法兰空心轴锁紧盘安装斜齿轮--伞齿轮减速机
 Helical - bevel geared motor in B14 flange - mounted version with hollow shaft and shrink disk.

7.2 可行的组合方式 7.2 Type of Combination

以下是斜齿轮-伞齿轮减速机与交流(带制动)电机的组合列表。表中给出了每种组合的速比范围。
 The below is combination table between gear box and electro motor in each list the ratio range.

减速机型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
BK/KF/KA/KAF37	3	5.35-106.38	5.35-83.69	5.35-24.90 29.96-72.54	5.35-10.49 13.08-20.19 29.96-58.00			
BK/KF/KA/KAF47	3	7.36-11.77 13.05-31.30 39.61-131.87	5.81-104.37	5.81-90.86	5.81-21.81 25.91 35.39-83.30 75.20			
BK/KF/KA/KAF57	3	9.59-11.92 19.34-35.70 48.89-145.14	7.55-11.92 15.22-123.85	6.57-108.29	6.57-90.26	6.57-30.28 38.49-78.58		
BK/KF/KA/KAF67	3	10.63-12.48 19.30-35.82 48.77-144.78	8.37-12.48 15.19-123.54	7.28-108.03	7.28-90.04	7.28-30.22 38.39-78.37	7.28-24.00 38.39-60.66	7.28-24.00 38.39-60.66
BK/KF/KA/KAF77	3	25.62-38.39 64.76-192.18	10.84-12.36 20.25-38.30 51.18-154.02	7.24-135.28	7.24-113.56	7.24-97.05	7.24-30.89 40.04-78.07	7.24-30.89 40.04-78.07
BK/KF/KA/KAF87	3		27.88-31.39 70.46-197.37	11.17 16.00 18.45-31.39 49.18-174.19	8.29-11.17 14.45-147.32	8.29-11.17 14.45-126.91	7.21-102.71	7.21-102.71
BK/KF/KA/KAF97	3			24.75-38.30 62.55-176.05	18.98-38.30 47.93-176.05	18.98-38.30 47.93-153.21	8.71-123.93	8.71-123.93
BK/KF/KA/KAF107	3				13.43 22.62-29.00 32.69 57.17-143.47	13.43 22.62-29.00 32.69 57.17-143.47	8.69-29.00 32.69-143.47	8.69-29.00 32.69-143.47
BK/KF/KA/KAF127	3							12.78 21.15-36.25 47.82-146.07

减速机型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180	D200
BK/KF/KA/KAF77	3	7.24-23.06 40.04-58.34	7.24-23.06 40.04-58.34			
BK/KF/KA/KAF87	3	7.21-79.34	7.21-79.34	7.21-79.34	7.21-14.45 17.42-24.92 36.52-63.00	
BK/KF/KA/KAF97	3	8.71-96.80	8.71-96.80	8.71-96.80	8.71-30.82 41.87-77.89	8.71-24.75 41.87-62.55
BK/KF/KA/KAF107	3	8.69-112.41	8.69-112.41	8.69-112.41	8.69-30.96	8.69-31.28 37.00-73.30
BK/KF/KA/KAF127	3	10.74-12.79 17.77-136.14	10.74-12.79 17.77-136.14	10.74-12.79 17.77-136.14	8.68-110.18	8.68-89.89
BK/KF/KA/KAF157	3		18.37-31.30 45.79-150.41	18.37-31.30 45.79-150.41	14.92-122.39	12.65-100.22
BK/KH167	3		24.52-32.25 51.77-164.50	24.52-32.25 51.77-164.50	20.32-32.25 42.89-134.99	17.34-109.89
BK/KH187	3		33.23-42.51 88.00-179.86	33.23-42.51 88.00-179.86	27.92-42.51 73.96-179.86	17.18-179.86

减速机型号 Gear unit size	级 Stages	D225	D250M	D280	D315	D315M_A/B
BK/KF/KA/KAF107	3	8.69-31.28 37.00-73.30				
BK/KF/KA/KAF127	3	8.68-89.89	8.68-31.37 40.19-70.95	8.68-31.37 40.19-70.95		
BK/KF/KA/KAF157	3	12.65-100.22	12.65-79.75	12.65-79.75	12.65-23.95 38.02-61.02	12.65-18.37 38.02-48.78
BK/KH167	3	17.34-109.89	17.34-87.86	17.34-87.86	17.34-68.07	17.34-24.52 38.63-51.77
BK/KH187	3	17.18-179.86	17.18-144.59	17.18-144.59	17.18-112.60	17.18-33.23 45.50-88.00

7.3 速比与最大扭矩 7.3 Ratio and Max.Torque

BK37-57, BK37R, BK47R $n_0=1400$ 1/min

BK37 200Nm				
i	n_0 [1/min]	M_{max} [Nm]	F_{H0} [N]	AD
106.36	13	200	5640	AD ₁
97.81	14	200	5640	
83.89	17	200	5640	
72.54	19	200	5520	
67.80	21	200	5360	
58.60	24	200	5020	
49.79	28	200	4660	
44.46	31	200	4420	
37.97	37	200	4100	
35.57	39	200	3970	
29.96	47	200	3650	AD ₂
28.83	49	200	3580	
24.99	56	200	3330	
23.36	60	185	3260	
20.19	69	185	3110	
17.15	82	180	2900	
15.31	91	175	2780	
13.08	107	165	2650	
12.14	115	160	2600	
10.49	133	160	2410	
8.91	157	160	2200	
7.96	176	155	2110	
6.80	206	150	1980	
6.37	220	145	1950	
5.38	261	140	1810	

BK47 400Nm				
i	n_0 [1/min]	M_{max} [Nm]	F_{H0} [N]	AD
131.87	11	400	5920	AD ₁
121.48	12	400	5920	
104.37	13	400	5920	
90.86	15	400	5920	
85.12	16	400	5920	
75.20	19	400	5920	
69.84	20	400	5920	
63.30	22	400	5920	
56.83	25	400	5920	
48.95	29	400	5920	
46.03	30	400	5920	AD ₂
39.61	35	400	5920	
35.39	40	400	5920	
31.30	45	400	5700	
29.32	48	400	5520	
25.91	54	400	5170	
24.06	58	400	4970	
21.81	64	400	4710	
19.58	72	400	4440	
16.86	83	380	4230	
15.86	88	380	4080	AD ₃
13.65	103	360	3890	
12.19	115	350	3720	
11.77	119	280	4060	
10.56	133	280	3830	
9.10	154	280	3540	
8.58	164	270	3500	
7.36	190	250	3390	
6.68	213	240	3270	
5.81	241	230	3140	

BK57 600Nm				
i	n_0 [1/min]	M_{max} [Nm]	F_{H0} [N]	AD
145.14	9.6	600	7470	AD ₁
123.85	11	600	7470	
108.29	13	600	7470	
102.88	14	600	7470	
90.26	16	600	7470	
76.56	18	600	7470	
69.12	20	600	7470	
60.81	23	600	7470	
57.42	24	600	7470	
48.89	29	600	7470	
44.43	32	600	7470	AD ₂
38.49	36	600	7470	
35.70	39	600	7470	
30.28	46	600	7310	
27.34	51	600	6930	
24.05	58	600	6480	
22.71	62	600	6280	
19.34	72	575	5910	
17.57	80	555	5740	
15.22	92	535	5430	AD ₃
13.25	106	510	5190	
11.92	117	415	5150	
11.26	124	415	4990	
9.59	146	405	4650	
8.71	161	390	4520	
7.55	185	365	4360	
6.57	213	345	4190	

BK67-87, BK67R-87R $n_0=1400$ 1/min

BK67 820Nm				
i	n_0 [1/min]	M_{max} [Nm]	F_{H0} [N]	AD
144.79	9.7	820	10300	AD ₁
123.54	11	820	10300	
108.03	13	820	10300	
102.62	14	820	10300	
90.04	16	820	10300	
76.37	18	820	10300	
68.95	20	820	10300	
60.66	23	820	10300	
57.28	24	820	10300	
48.77	29	820	10300	
44.32	32	820	10300	AD ₂
38.39	36	820	10500	
35.62	39	820	10300	
30.22	46	820	10300	
27.28	51	820	10300	
24.00	58	800	10500	
22.66	62	790	10700	
19.30	73	760	10800	
17.54	80	740	11000	
15.19	92	700	11300	AD ₃
13.22	106	670	11500	
12.48	112	530	12300	
10.63	132	500	11800	
9.66	145	480	11500	
8.37	167	440	11100	
7.28	192	420	10700	

BK77 1550Nm				
i	n_0 [1/min]	M_{max} [Nm]	F_{H0} [N]	AD
192.18	7.3	1450	16100	AD ₁
179.37	7.8	1450	16100	
154.02	9.1	1550	15400	
135.28	10	1550	15400	
128.52	11	1550	15400	
113.58	12	1550	15400	
97.05	14	1550	15400	
88.97	16	1550	15400	
78.07	18	1550	15400	
73.99	19	1550	15400	
64.75	22	1550	15400	AD ₂
58.34	24	1550	15400	
51.18	27	1550	15400	
45.16	31	1550	15400	
40.04	35	1550	15400	
38.39	36	1550	15700	
35.20	40	1550	15400	
30.89	45	1550	15400	
29.27	48	1550	15400	
25.62	55	1550	15400	AD ₃
23.08	61	1550	15400	
20.25	69	1500	15700	
17.67	78	1450	16100	
15.84	88	1400	15500	
13.82	104	1340	14800	
12.36	113	1000	15100	
10.84	129	990	14400	
9.56	146	940	13900	
8.48	165	890	13500	
7.24	193	820	13100	

BK87 2700Nm				
i	n_0 [1/min]	M_{max} [Nm]	F_{H0} [N]	AD
197.37	7.1	2700	27300	AD ₁
174.19	8.0	2700	27300	
164.34	8.5	2700	27300	
147.32	9.5	2700	27300	
126.91	11	2700	27300	
115.82	12	2700	27300	
102.71	14	2700	27300	
88.34	16	2700	27300	
79.34	18	2700	27300	
70.46	20	2700	27300	AD ₂
63.00	22	2700	26200	
56.64	25	2700	25000	
49.16	28	2700	23500	
44.02	32	2600	22800	
36.52	38	2500	21400	
31.39	45	2700	19200	
27.88	50	2600	18500	
24.92	58	2500	18000	
22.41	62	2300	17900	AD ₃
19.45	72	2300	16800	
17.42	80	2200	16300	
16.00	87	1800	16000	
14.45	97	2100	15300	
12.56	111	2000	14800	
11.17	125	1500	14900	
10.00	140	1500	14200	
8.29	169	1400	13500	
7.21	194	1300	13200	

BK97-127, BK97R, BK107R $n_s=1400$ 1/min

BK97 4300Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
176.06	8.0	4300	40000	AD ₁
153.21	9.1	4300	40000	
140.26	10	4300	40000	
123.93	11	4300	40000	
105.13	13	4300	40000	
96.80	14	4300	40000	
88.52	16	4300	38800	
77.89	18	4300	37100	
70.54	20	4300	35800	
62.55	22	4300	33800	
56.55	25	4300	32300	AD ₂
47.93	29	4300	30000	
41.87	33	4300	28300	
38.30	37	4300	27100	AD ₃
34.23	41	4300	25700	
30.82	45	4300	24500	
27.91	50	4300	23300	
24.75	57	4300	22000	
22.37	63	4300	20800	
18.96	74	4300	19100	
16.56	85	4300	17800	
13.85	101	4300	16100	AD ₄
11.99	117	3890	16200	
10.41	134	2870	16400	AD ₅
8.71	161	2660	15800	AD ₆

BK107 8000Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
143.47	9.8	8000	65000	AD ₁
121.46	12	8000	61700	
112.41	12	8000	59700	
100.75	14	8000	57000	
90.96	16	8000	54600	
82.61	17	8000	52400	
73.30	19	8000	49700	
66.62	21	8000	47600	
57.17	24	8000	44400	
49.90	28	7840	42200	
42.33	33	7360	40500	AD ₂
37.00	38	7200	38500	
32.69	43	7200	36300	
31.28	45	6800	36700	
29.00	48	7200	34000	AD ₃
26.32	53	7200	32000	
22.62	62	7200	28900	
19.74	71	7200	26100	
16.75	84	7050	23600	
14.64	96	6890	21900	
13.43	104	4300	29200	
11.73	119	4300	27500	
9.94	141	4180	25800	AD ₄
8.69	161	4070	24600	

BK127 13000Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
146.07	9.6	13000	79200	AD ₁
136.14	10	13000	79200	
122.48	11	13000	79200	
110.18	13	13000	79200	
89.89	16	13000	75100	AD ₂
81.98	17	13000	72100	
70.95	20	13000	67700	
62.60	22	13000	64000	
54.07	26	13000	59000	AD ₃
47.82	29	13000	56500	
40.19	35	13000	52000	
36.25	39	13000	49400	
31.37	45	13000	45900	AD ₄
27.68	51	13000	43000	
23.91	59	13000	39800	
21.15	66	13000	37200	
17.77	79	13000	33600	AD ₅
14.35	98	12100	31800	
12.79	109	8530	35400	
10.74	130	8000	33900	
8.68	161	7230	32500	

BK157-187, BK37R17, BK47/57R37 $n_s=1400$ 1/min

BK157 18000Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
150.41	9.3	18000	112200	AD ₁
122.39	11	18000	106500	
100.22	14	18000	98000	
91.65	15	18000	94400	
79.75	18	18000	88900	
70.38	20	18000	84200	
61.02	23	18000	79000	
54.29	28	18000	74900	
46.79	30	18000	70000	AD ₂
38.02	37	18000	63300	
31.30	45	18000	57500	AD ₃
27.62	51	18000	54000	
23.95	58	18000	50000	
21.31	66	18000	47000	
18.37	76	18000	43200	
14.92	94	18000	38200	
12.65	111	17000	36700	

BK37R17 200Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	
6832	0.20	200	5640	AD ₁
5922	0.24	200	5640	
5491	0.25	200	5640	
4759	0.29	200	5640	
4160	0.34	200	5640	
3645	0.38	200	5640	
3205	0.44	200	5640	
2801	0.50	200	5640	
2454	0.57	200	5640	
2166	0.65	200	5640	
1891	0.74	200	5640	
1660	0.84	200	5640	
1466	0.95	200	5640	
1288	1.1	200	5640	
1136	1.2	200	5640	
996	1.4	200	5640	
876	1.6	200	5640	
761	1.8	200	5640	
671	2.1	200	5640	
585	2.4	200	5640	
512	2.7	200	5640	
451	3.1	200	5640	
396	3.5	200	5640	
346	4.0	200	5640	
304	4.6	200	5640	
267	5.2	200	5640	
234	6.0	200	5640	
205	6.8	200	5640	
181	7.7	200	5640	
160	8.8	200	5640	
136	10	200	5640	
127	11	200	5640	
110	13	200	5640	
96	15	200	5640	

BK167 32000Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
164.50	8.5	32000	150000	AD ₁
134.99	10	32000	150000	AD ₂
109.83	13	32000	150000	
87.66	16	32000	147200	AD ₃
78.14	18	32000	140100	
68.07	21	32000	132000	
60.74	23	32000	125600	
51.77	27	32000	117000	AD ₄
42.89	33	32000	107400	
36.61	38	32000	99700	
32.25	43	32000	93700	
28.77	49	32000	88600	
24.52	57	32000	81700	
20.32	69	32000	74000	
17.34	81	32000	67900	

BK47R37 400Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	
10138	0.14	400	5920	AD ₁
8534	0.16	400	5920	
7662	0.18	400	5920	
6826	0.21	400	5920	
5983	0.23	400	5920	
5159	0.27	400	5920	
4601	0.30	400	5920	
3940	0.36	400	5920	
3477	0.40	400	5920	
3043	0.46	400	5920	
2733	0.51	400	5920	
2354	0.59	400	5920	
2063	0.68	400	5920	
1819	0.77	400	5920	
1586	0.88	400	5920	
1386	1.0	400	5920	
1222	1.1	400	5920	
1097	1.3	400	5920	
945	1.5	400	5920	
831	1.7	400	5920	
718	1.9	400	5920	
639	2.2	400	5920	
552	2.5	400	5920	
495	2.8	400	5920	
426	3.3	400	5920	
375	3.7	400	5920	
327	4.3	400	5920	
289	4.8	400	5920	
256	5.5	400	5920	
225	6.2	400	5920	
198	7.1	400	5920	
171	8.2	400	5920	
153	9.2	400	5920	
131	11	400	5920	
112	13	400	5920	
99	14	400	5920	
94	15	400	5920	

BK187 50000Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]	AD
179.86	7.8	50000	190000	AD ₁
165.21	8.5	50000	190000	
144.59	9.7	50000	190000	
129.69	11	50000	188200	AD ₂
112.60	12	50000	177200	
102.16	14	50000	169900	
88.00	16	50000	159000	AD ₃
73.96	19	50000	147000	
64.04	22	50000	137500	
53.36	26	50000	126100	
45.50	31	50000	116600	
42.51	33	50000	112700	
38.57	36	50000	107200	
33.23	42	50000	99100	
27.92	50	50000	90200	
24.18	58	47600	86800	
20.15	69	43900	84000	AD ₄
17.18	81	41400	80800	

BK57R37			600Nm
i	n_s [1/min]	M_{max} [Nm]	F_{rs} [N]
12169	0.12	600	7470
11162	0.13	600	7470
9503	0.15	600	7470
8547	0.16	600	7470
7277	0.19	600	7470
6478	0.22	600	7470
5662	0.25	600	7470
5033	0.28	600	7470
4340	0.32	600	7470
3854	0.36	600	7470
3390	0.41	600	7470
2924	0.48	600	7470
2593	0.54	600	7470
2249	0.62	600	7470
1966	0.70	600	7470
1743	0.80	600	7470
1539	0.91	600	7470
1354	1.0	600	7470
1174	1.2	600	7470
1036	1.4	600	7470
906	1.5	600	7470
806	1.7	600	7470
699	2.0	600	7470
615	2.3	600	7470
544	2.6	600	7470
473	3.0	600	7470
421	3.3	600	7470
362	3.9	600	7470
319	4.4	600	7470
280	5.0	600	7470
246	5.7	600	7470
215	6.5	600	7470
192	7.3	600	7470
166	8.4	600	7470
145	9.7	600	7470
129	11	600	7470
111	13	600	7470
97	14	600	7470

BK67/77R37, BK87R57 $n_n=1400$ 1/min

BK67R37 820Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
12139	0.12	820	10300
11134	0.13	820	10300
9479	0.15	820	10300
8173	0.17	820	10300
7259	0.19	820	10300
6462	0.22	820	10300
5648	0.25	820	10300
4846	0.29	820	10300
4329	0.32	820	10300
3750	0.37	820	10300
3315	0.42	820	10300
2917	0.48	820	10300
2532	0.55	820	10300
2244	0.62	820	10300
1981	0.71	820	10300
1739	0.81	820	10300
1535	0.91	820	10300
1351	1.0	820	10300
1171	1.2	820	10300
1034	1.4	820	10300
903	1.6	820	10300
793	1.8	820	10300
697	2.0	820	10300
613	2.3	820	10300
542	2.6	820	10300
471	3.0	820	10300
420	3.3	820	10300
381	3.9	820	10300
323	4.3	820	10300
279	5.0	820	10300
246	5.7	820	10300
217	6.5	820	10300
191	7.3	820	10300
166	8.4	820	10300
144	9.7	820	10300
122	11	820	10300

BK77R37 1550Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
15310	0.09	1550	15400
14043	0.10	1550	15400
11955	0.12	1550	15400
10217	0.14	1550	15400
8809	0.16	1550	15400
7528	0.19	1550	15400
6806	0.21	1550	15400
5774	0.24	1550	15400
5089	0.28	1550	15400
4489	0.31	1550	15400
3961	0.35	1550	15400
3485	0.40	1550	15400
2901	0.48	1550	15400
2717	0.52	1550	15400
2370	0.59	1550	15400
2050	0.68	1550	15400
1772	0.79	1550	15400
1514	0.92	1550	15400
1368	1.0	1550	15400
1218	1.1	1550	15400
1053	1.3	1550	15400
924	1.5	1550	15400
815	1.7	1550	15400
709	2.0	1550	15400
622	2.3	1550	15400
552	2.5	1550	15400
485	2.9	1550	15400
428	3.3	1550	15400
387	3.8	1550	15400
328	4.3	1550	15400
280	4.8	1550	15400
252	5.6	1550	15400
221	6.3	1550	15400
195	7.2	1550	15400
175	8.0	1550	15400
154	9.1	1550	15400

BK87R57 2700Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
14829	0.09	2700	27300
13168	0.11	2700	27300
11737	0.12	2700	27300
10217	0.14	2700	27300
9073	0.15	2700	27300
7854	0.18	2700	27300
6832	0.20	2700	27300
5830	0.24	2700	27300
5240	0.27	2700	27300
4562	0.31	2700	27300
4037	0.35	2700	27300
3609	0.39	2700	27300
3107	0.45	2700	27300
2728	0.51	2700	27300
2371	0.59	2700	27300
2088	0.67	2700	27300
1854	0.76	2700	27300
1657	0.84	2700	27300
1415	0.99	2700	27300
1229	1.1	2700	27300
1078	1.3	2700	27300
951	1.5	2700	27300
837	1.7	2700	27300
726	1.9	2700	27300
638	2.2	2700	27300
562	2.5	2700	27300
474	3.0	2700	27300
426	3.3	2700	27300
373	3.8	2700	27300
330	4.2	2700	27300
294	4.8	2700	27300
250	5.6	2700	27300
236	5.9	2700	27300
201	7.0	2700	27300
183	7.7	2700	27300
159	8.8	2700	27300
141	9.9	2700	27400

BK97R57, BK107/127R77 $n_n=1400$ 1/min

BK97R57 4300Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
18291	0.08	4300	40000
16866	0.08	4300	40000
14897	0.09	4300	40000
13182	0.11	4300	40000
11877	0.12	4300	40000
10317	0.14	4300	40000
9083	0.15	4300	40000
8054	0.17	4300	40000
6970	0.20	4300	40000
6027	0.23	4300	40000
5391	0.26	4300	40000
4669	0.30	4300	40000
4082	0.34	4300	40000
3583	0.39	4300	40000
3108	0.45	4300	40000
2757	0.51	4300	40000
2419	0.58	4300	40000
2123	0.66	4300	40000
1856	0.75	4300	40000
1625	0.86	4300	40000
1430	0.98	4300	40000
1261	1.1	4300	40000
1102	1.3	4300	40000
957	1.5	4300	40000
855	1.6	4300	40000
743	1.9	4300	40000
652	2.1	4300	40000
573	2.4	4300	40000
504	2.6	4300	40000
437	3.2	4300	40000
382	3.7	4300	40000
342	4.1	4300	40000
305	4.6	4300	40000
258	5.4	4300	40000
232	6.0	4300	40000
199	7.0	4300	40000

BK107R77 8000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
14311	0.10	8000	65000
12211	0.11	8000	65000
10877	0.13	8000	65000
9524	0.15	8000	65000
8328	0.17	8000	65000
7270	0.19	8000	65000
6184	0.23	8000	65000
5662	0.25	8000	65000
5138	0.27	8000	65000
4359	0.32	8000	65000
3810	0.37	8000	65000
3358	0.42	8000	65000
2977	0.47	8000	65000
2599	0.54	8000	65000
2286	0.61	8000	65000
1939	0.72	8000	65000
1713	0.82	8000	65000
1554	0.90	8000	65000
1336	1.0	8000	65000
1166	1.2	8000	65000
1030	1.4	8000	65000
904	1.5	8000	65000
793	1.8	8000	65000
696	2.0	8000	65000
615	2.3	8000	65000
522	2.7	8000	65000
481	3.0	8000	65000
408	3.4	8000	65000
364	3.8	8000	65000
318	4.4	8000	65000
286	4.9	8000	65000
251	5.6	8000	65000
222	6.3	8000	65000
196	7.1	8000	65000
174	8.0	7200	65000
154	9.1	7200	65000
140	10	7200	65000

BK127R77 13000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
17550	0.08	13000	79200
16006	0.09	13000	79200
14975	0.09	13000	79200
12440	0.11	13000	79200
10915	0.13	13000	79200
9819	0.14	13000	79200
8443	0.17	13000	79200
7482	0.19	13000	79200
6565	0.21	13000	79200
5804	0.24	13000	79200
5027	0.28	13000	79200
4423	0.32	13000	79200
3889	0.36	13000	79200
3311	0.42	13000	79200
3009	0.47	13000	79200
2607	0.54	13000	79200
2268	0.62	13000	79200
1926	0.73	13000	79200
1757	0.80	13000	79200
1541	0.91	13000	79200
1342	1.0	13000	79200
1177	1.2	13000	79200
1025	1.4	13000	79200
899	1.6	13000	79200
790	1.8	13000	79200
704	2.0	13000	79200
610	2.3	13000	79200
549	2.6	13000	79200
477	2.9	13000	79200
418	3.3	13000	79200

BK127R87, BK157R97, BK157R107 $n_n=1400$ 1/min

BK127R87 13000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
536	2.6	13000	79200
473	3.0	13000	79200
418	3.3	13000	79200
367	3.8	13000	79200
330	4.2	13000	79200
287	4.9	13000	79200
253	5.5	13000	79200
213	6.6	13000	79200
200	7.0	13000	79200
166	8.4	13000	79200
147	9.5	13000	79200

BK157R97 18000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
17679	0.08	18000	112200
15729	0.09	18000	112200
14721	0.10	18000	112200
13097	0.11	18000	112200
11368	0.12	18000	112200
10114	0.14	18000	112200
8718	0.16	18000	112200
7734	0.18	18000	112200
6881	0.20	18000	112200
5931	0.24	18000	112200
5074	0.28	18000	112200
4514	0.31	18000	112200
3979	0.35	18000	112200
3516	0.40	18000	112200
3051	0.46	18000	112200
2610	0.54	18000	112200
2322	0.60	18000	112200
2029	0.69	18000	112200
1805	0.78	18000	112200
1659	0.84	18000	112200
1365	1.0	18000	112200
1229	1.1	18000	112200
1093	1.3	18000	112200
942	1.5	18000	112200
854	1.6	18000	112200
756	1.9	18000	112200
661	2.1	18000	112200
567	2.5	18000	112200
504	2.8	18000	112200
434	3.2	18000	112200
379	3.7	18000	112200
333	4.2	18000	112200
291	4.8	18000	112200

BK157R107 18000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
385	3.6	18000	112200
325	4.3	18000	112200
299	4.7	18000	112200
253	5.5	18000	112200
230	6.1	18000	112200
213	6.6	18000	112200
187	7.5	18000	112200
157	8.9	18000	112200
122	11	18000	106500
107	13	18000	100700

BK167/187R97, BK167/187R107 $n_n=1400$ 1/min

BK167R97 32000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
19723	0.07	32000	150000
17408	0.08	32000	150000
15009	0.09	32000	150000
13238	0.11	32000	150000
11573	0.12	32000	150000
10264	0.14	32000	150000
8828	0.16	32000	150000
6562	0.21	32000	150000
5355	0.26	32000	150000
4788	0.29	32000	150000
4079	0.34	32000	150000
3376	0.41	32000	150000
2755	0.51	32000	150000
2263	0.62	32000	150000
2182	0.64	32000	150000
1704	0.82	32000	150000
1408	0.99	32000	150000
1296	1.1	32000	150000
1101	1.3	32000	150000
944	1.5	32000	150000
843	1.7	32000	150000
757	1.8	32000	150000
632	2.2	32000	150000
561	2.5	32000	150000
481	2.9	32000	150000
423	3.3	32000	150000
389	3.8	32000	150000

BK167R107 32000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
318	4.4	32000	150000
278	5.0	32000	150000
244	5.7	32000	150000
213	6.6	32000	150000
206	6.8	32000	150000
180	7.8	32000	150000
160	8.8	32000	150000
135	10	32000	150000
118	12	32000	150000

BK187R97 50000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
32525	0.04	50000	190000
27185	0.05	50000	190000
24353	0.06	50000	190000
19144	0.07	50000	190000
18976	0.08	50000	190000
14272	0.10	50000	190000
13116	0.11	50000	190000
11647	0.12	50000	190000
10413	0.13	50000	190000
9363	0.15	50000	190000
8126	0.17	50000	190000
7343	0.19	50000	190000
6747	0.21	50000	190000
5991	0.23	50000	190000
5358	0.26	50000	190000
4817	0.29	50000	190000
4370	0.32	50000	190000
3609	0.39	50000	190000
3082	0.46	50000	190000
2818	0.50	50000	190000
2519	0.56	50000	190000
2298	0.62	50000	190000
2054	0.68	50000	190000
1821	0.77	50000	190000
1605	0.87	50000	190000
1395	1.0	50000	190000
1196	1.2	50000	190000
1046	1.3	50000	190000
945	1.5	50000	190000
738	1.9	50000	190000
621	2.3	50000	190000
527	2.7	50000	190000

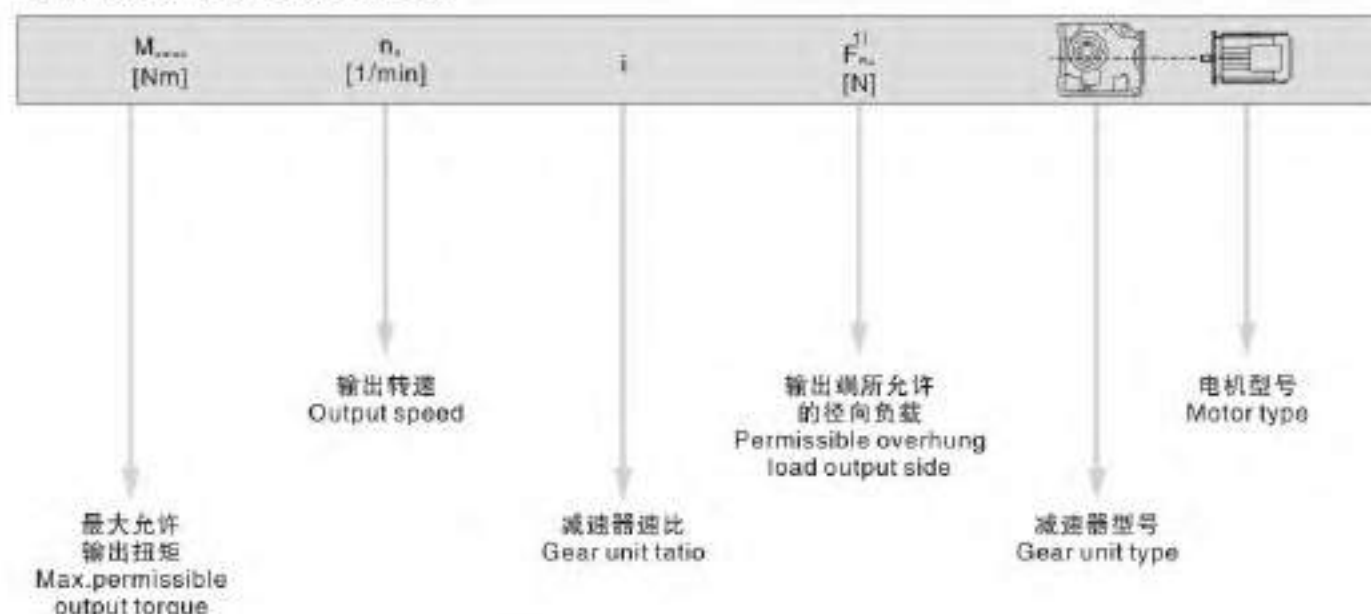
BK187R107 50000Nm			
i	n_n [1/min]	M_{max} [Nm]	F_{max} [N]
836	1.7	50000	190000
729	1.9	50000	190000
622	2.3	50000	190000
520	2.7	50000	190000
454	3.1	50000	190000
355	3.9	50000	190000
261	5.4	50000	190000
221	6.3	50000	190000
193	7.3	50000	190000
163	8.6	50000	190000

7.4 选型表注释 7.4 Selection table

选型表的结构
Selection table for geared motors



对于特殊低输出转速
For particularly low output speeds



图例 Cutting
※ 也可用于EEEx电机。 ※EEEX motor is optional.
1) 实心轴底脚安装减速机的径向负载
1) Overhung load specified for foot-mounted gear unit with solid shaft

注意: Notice:
对于特殊低输出转速驱动(多级减速电机), 电机功率必须与减速机的最大允许输出扭矩相对应。
In drives for particularly low output speeds (multi-stage geared motor), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_n [1/min]	输出扭矩 Output torque M_n [N·m]	传动比 Ratio i	径向负载 Permitted overhung load F_{n1} [N]	使用系数 Service factor L_d	型号 Model
0.12kW					
0.08	11800	17550	79800	1.10	
0.09	10700	16000	80400	1.20	
0.09	9880	14975	80700	1.30	BK 127 R77 D63S4
0.11	8010	12440	81500	1.60	BKF 127 R77 D63S4
0.13	6920	10915	81800	1.90	BKA 127 R77 D63S4
0.14	6320	9819	82000	2.1	BKAF 127 R77 D63S4
0.16	5220	8443	82300	2.5	
0.18	4620	7482	82300	2.7	
0.10	9590	14311	65000	0.85	
0.11	8080	12211	65000	1.00	
0.13	6930	10677	65000	1.15	
0.14	6280	9524	65000	1.25	BK 107 R77 D63S4
0.17	5410	8328	65000	1.50	BKF 107 R77 D63S4
0.19	4720	7270	65000	1.70	BKA 107 R77 D63S4
0.22	3760	6184	65000	2.1	BKAF 107 R77 D63S4
0.24	3320	5662	65000	2.4	
0.27	3020	5138	65000	2.7	
0.32	2700	4559	65000	3.0	
0.17	5310	8054	39500	0.80	
0.20	4350	6970	40000	1.00	
0.23	3890	6027	40000	1.10	BK 97 R57 D63S4
0.26	3560	5391	40000	1.20	BKF 97 R57 D63S4
0.30	2950	4689	40000	1.45	BKA 97 R57 D63S4
0.34	2640	4082	40000	1.65	BKAF 97 R57 D63S4
0.39	2320	3583	40000	1.85	
0.44	2040	3108	40000	2.1	
0.50	1720	2757	40000	2.5	
0.57	1580	2419	40000	2.7	
0.65	1370	2123	40000	3.2	BK 97 R57 D63S4
0.74	1220	1856	40000	3.5	BKF 97 R57 D63S4
0.85	1000	1625	40000	4.3	BKA 97 R57 D63S4
0.96	860	1430	40000	5.0	BKAF 97 R57 D63S4
1.1	830	1261	40000	5.2	
1.2	725	1102	40000	5.9	
0.26	3380	5240	26300	0.80	
0.30	2850	4562	27100	0.85	BK 87 R57 D63S4
0.34	2610	4037	27400	1.05	BKF 87 R57 D63S4
0.38	2330	3609	27700	1.15	BKA 87 R57 D63S4
0.44	1990	3107	28100	1.35	BKAF 87 R57 D63S4
0.51	1700	2728	28300	1.60	
0.58	1500	2371	28500	1.80	
0.66	1380	2088	28600	1.95	
0.74	1220	1854	28700	2.2	
0.83	1030	1657	28700	2.5	BK 87 R57 D63S4
0.97	930	1415	28800	2.9	BKF 87 R57 D63S4
1.1	800	1229	28900	3.4	BKA 87 R57 D63S4
1.3	695	1078	28900	3.9	BKAF 87 R57 D63S4
1.5	585	951	29000	4.6	
1.6	505	837	29000	5.4	
1.8	435	725	29000	6.2	
0.51	1790	2717	13400	0.85	BK 77 R37 D63S4
0.58	1510	2370	15700	1.05	BKF 77 R37 D63S4
					BKA 77 R37 D63S4
					BKAF 77 R37 D63S4
0.67	1380	2050	16500	1.10	
0.78	1180	1772	17500	1.30	
0.91	1010	1514	18300	1.55	
0.99	920	1388	18600	1.70	BK 77 R37 D63S4
1.1	810	1218	19000	1.90	BKF 77 R37 D63S4
1.3	710	1053	19200	2.2	BKA 77 R37 D63S4
1.5	620	924	19500	2.5	BKAF 77 R37 D63S4
1.7	550	815	19600	2.8	
2.0	440	709	19800	3.5	
2.2	385	622	19900	4.0	

输出转速 Output speed n_n [1/min]	输出扭矩 Output torque M_n [N·m]	传动比 Ratio i	径向负载 Permitted overhung load F_{n1} [N]	使用系数 Service factor L_d	型号 Model
0.12kW					
1.0	930	1351	9230	0.90	
1.2	795	1171	10500	1.05	
1.3	695	1034	11300	1.20	
1.5	585	903	12000	1.40	
1.7	545	793	12200	1.50	
2.0	440	697	12700	1.85	BK 67 R37 D63S4
2.2	390	613	12900	2.1	BKF 67 R37 D63S4
2.5	340	542	13000	2.4	BKA 67 R37 D63S4
2.9	315	471	13000	2.6	BKAF 67 R37 D63S4
3.3	265	420	13000	3.1	
3.8	235	361	13000	3.5	
4.3	210	323	13000	3.9	
4.9	178	279	13000	4.7	
5.6	155	248	13000	5.3	
6.3	134	217	13000	6.1	
1.5	585	906	7750	1.05	
1.7	525	808	8220	1.15	
2.0	445	699	8690	1.35	
2.2	390	615	8930	1.55	
2.5	340	544	9120	1.75	BK 57 R37 D63S4
2.9	310	473	9250	1.95	BKF 57 R37 D63S4
3.3	265	421	9420	2.3	BKA 57 R37 D63S4
3.8	235	362	9510	2.5	BKAF 57 R37 D63S4
4.3	210	319	9610	2.9	
4.9	178	280	9710	3.4	
5.6	155	246	9770	3.9	
6.4	135	215	9830	4.4	
7.2	122	192	9860	4.9	
2.2	430	639	2520	0.95	
2.5	370	552	2350	1.10	BK 47 R37 D63S4
2.8	316	495	2390	1.25	BKF 47 R37 D63S4
3.2	280	426	2240	1.45	BKA 47 R37 D63S4
3.7	235	375	2560	1.70	BKAF 47 R37 D63S4
4.2	215	327	2670	1.85	
4.8	189	289	2730	2.1	
4.0	235	346	4840	0.85	
4.5	200	304	5640	1.00	
5.2	182	267	5830	1.10	BK 37 R17 D63S4
5.9	157	234	6060	1.25	BKF 37 R17 D63S4
6.7	138	205	6220	1.45	BKA 37 R17 D63S4
7.6	120	181	6330	1.65	BKAF 37 R17 D63S4
8.6	105	160	6420	1.90	
10	88	136	6500	2.3	
6.2	184	144.70	13000	4.4	BK 67 D63M6
					BKF 67 D63M6
					BKA 67 D63M6
					BKAF 67 D63M6
6.2	185	145.14	9680	3.2	BK 57 D63M6
7.3	158	123.85	9760	3.8	BKF 57 D63M6
8.3	138	108.29	9820	4.3	BKA 57 D63M6
8.8	131	102.88	9840	4.6	BKAF 57 D63M6
10	115	90.25	9880	5.2	
12	98	75.56	9930	6.2	
9.5	121	145.14	9870	5.0	BK 57 D63S4
11	103	123.85	9920	5.8	BKF 57 D63S4
13	90	108.29	9950	6.7	BKA 57 D63S4
13	85	102.88	9960	7.0	BKAF 57 D63S4
15	75	90.25	9990	8.0	
6.8	168	131.57	7930	2.4	BK 47 D63M6
7.4	155	121.48	7990	2.6	BKF 47 D63M6
8.6	133	104.37	8070	3.0	BKA 47 D63M6
					BKAF 47 D63M6
10	110	131.87	8140	3.7	BK 47 D63S4
11	101	121.48	8170	4.0	BKF 47 D63S4
					BKA 47 D63S4
					BKAF 47 D63S4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhang load F_{a2} [N]	使用 系数 Service factor F_s	型号 Model
0.12kW					
8.5	136	106.38	8230	1.50	BK 37 D63M6
9.2	125	97.81	8300	1.60	BKF 37 D63M6
11	107	83.69	8410	1.90	BKA 37 D63M6
12	92	72.54	8480	2.2	BKAF 37 D63M6
13	88	106.38	8500	2.3	
14	81	97.81	8530	2.5	
16	70	83.69	8570	2.9	
19	60	72.54	8600	3.3	
20	58	67.80	8610	3.5	
24	49	58.60	8430	4.1	
28	41	49.79	8130	4.8	
31	37	44.46	5930	5.4	
36	32	37.97	5660	6.3	BK 37 D63S4
39	30	35.57	5550	6.8	BKF 37 D63S4
46	25	29.96	5270	8.0	BKA 37 D63S4
48	24	28.80	5210	8.4	BKAF 37 D63S4
55	21	24.99	4980	9.8	
59	19	23.36	4880	10	
68	17	20.19	4660	11	
80	14	17.16	4430	13	
90	13	15.31	4280	14	
105	11	13.08	4070	15	
114	10	12.14	3970	16	
0.18kW					
0.09	16300	14975	73200	0.80	
0.11	13400	12440	79000	0.95	
0.12	11600	10915	79900	1.10	
0.13	10500	9819	80400	1.25	BK 127R77D63M4
0.16	8850	8443	81100	1.45	BKF 127R77D63M4
0.18	8040	7482	81400	1.60	BKA 127R77D63M4
0.20	6980	6566	81800	1.85	BKAF 127R77D63M4
0.23	5940	5804	82100	2.2	
0.26	5220	5027	82300	2.5	
0.30	4530	4423	82400	2.9	
0.34	3960	3889	82500	3.3	
0.40	3310	3311	82600	3.8	
0.16	8990	8328	85000	0.90	
0.18	7850	7270	85000	1.00	
0.21	6420	6184	85000	1.25	
0.23	5760	5682	85000	1.40	BK 107R77D63M4
0.26	5230	5138	85000	1.55	BKF 107R77D63M4
0.30	4570	4359	85000	1.75	BKA 107R77D63M4
0.35	4000	3810	85000	2.0	BKAF 107R77D63M4
0.39	3440	3358	85000	2.3	
0.44	3080	2977	85000	2.6	
0.51	2700	2599	85000	3.0	
0.58	2340	2286	85000	3.4	
0.28	4860	4689	39800	0.85	BK 97 R57D63M4
0.32	4390	4082	40000	1.00	BKF 97 R57D63M4
0.37	3860	3583	40000	1.10	BKA 97 R57D63M4
0.42	3370	3108	40000	1.25	BKAF 97 R57D63M4
0.48	2910	2757	40000	1.50	
0.55	2640	2419	40000	1.65	
0.62	2290	2123	40000	1.90	
0.71	2030	1856	40000	2.1	
0.81	1710	1625	40000	2.5	
0.92	1490	1430	40000	2.9	BK 97 R57D63M4
1.0	1380	1261	40000	3.1	BKF 97 R57D63M4
1.2	1210	1182	40000	3.6	BKA 97 R57D63M4
1.4	1040	957	40000	4.1	BKAF 97 R57D63M4
1.5	930	855	40000	4.5	
1.8	755	743	40000	5.7	
2.0	675	652	40000	6.4	
0.42	3330	3107	28400	0.80	BK 87 R57D63M4
0.48	2860	2728	27100	0.95	BKF 87 R57D63M4
0.56	2520	2371	27500	1.05	BKA 87 R57D63M4
					BKAF 87 R57D63M4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhang load F_{a2} [N]	使用 系数 Service factor F_s	型号 Model
0.18kW					
0.63	2290	2088	27800	1.20	
0.71	2030	1854	28000	1.35	
0.80	1820	1657	28200	1.50	
0.83	1540	1415	28400	1.75	BK 87 R57 D63M4
1.1	1340	1229	28600	2.0	BKF 87 R57 D63M4
1.2	1160	1078	28700	2.3	BKA 87 R57 D63M4
1.4	1000	951	28800	2.7	BKAF 87 R57 D63M4
1.6	870	837	28800	3.1	
1.8	755	726	28900	3.6	
0.87	1670	1514	14500	0.95	
0.95	1530	1388	15500	1.00	
1.1	1340	1218	16700	1.15	
1.2	1170	1053	17600	1.35	
1.4	1030	924	18200	1.50	BK 77 R37 D63M4
1.6	910	815	18700	1.70	BKF 77 R37 D63M4
1.8	750	709	19100	2.1	BKA 77 R37 D63M4
2.1	655	622	19400	2.4	BKAF 77 R37 D63M4
2.4	580	552	19500	2.6	
2.7	515	485	19700	3.0	
3.1	455	428	19800	3.4	
3.6	400	367	19900	3.9	
1.5	980	903	5880	0.85	
1.7	890	793	9620	0.90	
1.9	745	697	10900	1.10	
2.2	655	613	11000	1.25	BK 67 R37 D63M4
2.4	580	542	12000	1.40	BKF 67 R37 D63M4
2.6	520	471	12300	1.60	BKA 67 R37 D63M4
3.2	445	420	12600	1.85	BKAF 67 R37 D63M4
3.7	395	361	12800	2.1	
4.1	350	323	13000	2.3	
4.7	295	279	13000	2.8	
2.2	660	615	5580	0.90	
2.4	580	544	7800	1.05	
2.8	515	473	8300	1.15	
3.1	450	421	8870	1.35	BK 57 R37 D63M4
3.6	395	362	8900	1.50	BKF 57 R37 D63M4
4.1	350	319	9100	1.75	BKA 57 R37 D63M4
4.7	300	280	9290	2.0	BKAF 57 R37 D63M4
5.4	260	246	9420	2.3	
6.1	230	215	9540	2.6	
6.9	205	192	9610	2.9	
7.8	178	166	9700	3.4	
3.5	400	375	5930	1.00	
4.0	360	327	6440	1.10	
4.6	315	289	6920	1.25	BK 47 R37 D63M4
5.2	275	258	7290	1.45	BKF 47 R37 D63M4
5.9	245	225	7500	1.65	BKA 47 R37 D63M4
6.7	210	198	7710	1.90	BKAF 47 R37 D63M4
7.7	183	171	7860	2.2	
8.6	164	153	7950	2.4	
10	142	131	8040	2.8	
6.4	225	205	5300	0.90	BK 37 R17 D63M4
7.3	199	181	5650	1.00	BKF 37 R17 D63M4
8.2	175	160	5900	1.15	BKA 37 R17 D63M4
9.7	148	136	6140	1.35	BKAF 37 R17 D63M4
10	140	127	6200	1.45	
6.0	285	144.79	13000	2.9	BK 67 D63L6
7.0	245	123.54	13000	3.4	BKF 67 D63L6
8.1	215	108.03	13000	3.8	BKA 67 D63L6
8.5	205	102.62	13000	4.0	BKAF 67 D63L6
9.1	189	144.79	13000	4.3	BK 67 D63M4
11	161	123.54	13000	5.1	BKF 67 D63M4
12	141	108.03	13000	5.8	BKA 67 D63M4
					BKAF 67 D63M4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhang load F_{a2} [N]	使用 系数 Service factor F_s	型号 Model		
0.18kW							
8.0	285	145.14	9340	2.1	BK BKF BKA BKAF	57 57 57 57	D63L6 D63L6 D63L6 D63L6
7.0	245	123.85	9480	2.5			
8.0	215	108.29	9590	2.8			
8.5	205	102.88	9620	3.0			
9.6	178	90.26	9700	3.4			
9.1	189	145.14	9670	3.2	BK BKF BKA BKAF	57 57 57 57	D63M4 D63M4 D63M4 D63M4
11	161	123.85	9750	3.7			
12	141	108.29	9810	4.3			
13	134	102.88	9830	4.5			
15	118	90.26	9880	5.1			
17	100	78.58	9920	6.0			
6.6	260	131.87	7380	1.55	BK BKF BKA BKAF	47 47 47 47	D63L6 D63L6 D63L6 D63L6
7.2	240	121.48	7530	1.65			
8.3	205	104.37	7740	1.95			
9.6	180	90.86	7880	2.2			
10	168	85.12	7930	2.4			
10	172	131.87	7910	2.3	BK BKF BKA BKAF	47 47 47 47	D63M4 D63M4 D63M4 D63M4
11	158	121.48	7970	2.5			
13	138	104.37	8080	2.9			
15	118	90.86	8120	3.4			
16	111	85.12	8140	3.6			
8.2	210	106.38	5520	0.95	BK BKF BKA BKAF	37 37 37 37	D63L6 D63L6 D63L6 D63L6
8.9	193	97.81	5710	1.05			
10	165	83.69	5990	1.20			
12	143	72.54	6170	1.40			
12	139	106.38	6210	1.45	BK BKF BKA BKAF	37 37 37 37	D63M4 D63M4 D63M4 D63M4
14	127	97.81	6280	1.55			
16	109	83.69	6400	1.85			
18	95	72.54	6470	2.1			
19	88	67.80	6500	2.3			
23	76	58.60	6280	2.6			
27	65	49.79	6010	3.1			
30	58	44.46	5830	3.5			
35	49	37.97	5580	4.1			
37	46	35.57	5480	4.3			
44	39	29.96	5220	5.1			
46	38	28.80	5160	5.3			
53	33	24.99	4950	6.2			
57	30	23.36	4850	6.4			
65	26	20.19	4650	7.0			
77	22	17.15	4430	8.1			
86	20	15.31	4280	8.8			
101	17	13.08	4080	9.7			
109	16	12.14	3980	10			
126	14	10.49	3810	12			
148	12	8.91	3620	14			
166	10	7.96	3490	16			
0.25kW							
0.13	15300	9819	75300	0.85	BK BKF BKA BKAF	127R77 127R77 127R77 127R77	D63L4 D63L4 D63L4 D63L4
0.15	13000	8443	79200	1.00			
0.17	11700	7482	79900	1.10			
0.20	10200	6565	80800	1.30			
0.22	8770	5804	81200	1.50			
0.26	7670	5027	81600	1.70			
0.29	6880	4423	81900	1.95			
0.33	5850	3889	82100	2.2			
0.39	4830	3311	82300	2.6			
0.21	9440	8184	85000	0.85			
0.23	8520	5862	85000	0.95			
0.25	7730	5138	85000	1.05			
0.30	6700	4359	85000	1.20			
0.34	5850	3810	85000	1.35			
0.39	5070	3358	85000	1.60			
0.44	4540	2977	85000	1.75			
0.50	3970	2599	85000	2.0			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
3.1	555	421	5750	0.90	
3.6	575	362	7840	1.05	
4.1	505	319	8380	1.20	
4.7	435	280	8720	1.35	
5.3	365	246	8950	1.55	BK 57 R37 D63L4
6.1	335	215	9150	1.80	BKF 57 R37 D63L4
6.8	300	192	9280	2.0	BKA 57 R37 D63L4
7.8	260	165	9430	2.3	BKAF 57 R37 D63L4
9.0	225	145	9550	2.7	
10	205	129	9620	2.9	
12	173	111	9720	3.5	
13	152	97	9780	4.0	
4.4	540	154.02	18600	2.9	BK 77 D80N8
5.0	475	135.28	19700	3.3	BKF 77 D80N8
5.3	450	129.52	19800	3.4	BKA 77 D80N8
6.0	400	113.56	19900	3.9	BKAF 77 D80N8
4.6	520	192.18	19700	2.8	BK 77 D71D6
4.9	485	179.37	19700	3.0	BKF 77 D71D6
5.7	420	154.02	19800	3.7	BKA 77 D71D6
6.5	365	135.28	19900	4.2	BKAF 77 D71D6
5.5	435	123.54	12700	1.90	BK 67 D80N8
6.3	380	108.03	12900	2.2	BKF 67 D80N8
6.6	360	102.62	12900	2.3	BKA 67 D80N8
7.6	315	90.04	13000	2.6	BKAF 67 D80N8
6.1	395	144.79	12800	2.1	BK 67 D71D6
7.1	335	123.54	13000	2.5	BKF 67 D71D6
8.1	395	108.03	13000	2.8	BKA 67 D71D6
8.6	280	102.62	13000	3.0	BKAF 67 D71D6
9.0	265	144.79	13000	3.1	BK 67 D63L4
11	225	123.54	13000	3.6	BKF 67 D63L4
12	198	108.03	13000	4.1	BKA 67 D63L4
13	189	102.62	13000	4.3	BKAF 67 D63L4
6.1	395	145.14	8910	1.50	
7.1	335	123.85	9150	1.80	BK 57 D71D6
8.1	295	108.29	9310	2.0	BKF 57 D71D6
8.6	280	102.88	9360	2.2	BKA 57 D71D6
9.8	245	90.26	9480	2.5	BKAF 57 D71D6
11	210	78.56	9610	2.9	
9.0	265	145.14	9410	2.2	
11	225	123.85	9540	2.8	BK 57 D63L4
12	189	108.29	9640	3.0	BKF 57 D63L4
13	189	102.88	9670	3.2	BKA 57 D63L4
14	165	90.26	9740	3.5	BKAF 57 D63L4
17	141	78.56	9810	4.3	
6.7	360	131.87	6470	1.10	BK 47 D71D6
7.2	330	121.48	6780	1.20	BKF 47 D71D6
8.4	285	104.37	7210	1.40	BKA 47 D71D6
9.7	245	90.86	7480	1.60	BKAF 47 D71D6
10	230	85.12	7590	1.75	
9.9	240	131.87	7510	1.85	BK 47 D63L4
11	225	121.48	7640	1.80	BKF 47 D63L4
12	182	104.37	7820	2.1	BKA 47 D63L4
14	167	90.86	7930	2.4	BKAF 47 D63L4
15	156	85.12	7980	2.6	
11	225	83.69	5300	0.90	BK 37 D71D6
12	197	72.54	5680	1.00	BKF 37 D71D6
13	184	67.80	5810	1.10	BKA 37 D71D6
15	159	58.60	6060	1.25	BKAF 37 D71D6
18	135	49.79	6230	1.50	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
12	195	106.38	5890	1.00	
13	180	97.81	5860	1.10	
16	154	83.69	6090	1.30	
18	133	72.54	6250	1.50	
19	125	67.80	6230	1.60	
22	108	58.60	6030	1.85	
26	91	49.79	5810	2.2	
29	82	44.46	5650	2.5	
34	70	37.97	5430	2.9	
37	65	35.57	5340	3.1	
43	55	29.86	5100	3.6	BK 37 D63L4
45	53	28.83	5050	3.8	BKF 37 D63L4
52	46	24.99	4860	4.4	BKA 37 D63L4
56	43	23.36	4770	4.6	BKAF 37 D63L4
64	37	20.19	4580	5.0	
76	32	17.15	4370	5.7	
85	28	15.31	4230	6.2	
99	24	13.08	4030	6.9	
107	22	12.14	3940	7.2	
124	19	10.49	3780	8.3	
146	16	8.91	3590	9.6	
163	15	7.86	3470	11	
191	13	6.80	3310	12	
294	12	6.37	3240	12	
0.37kW					
0.18	16500	7482	72600	0.80	
0.21	14500	8585	76900	0.90	BK 127 R77 D71D4
0.24	12800	9804	79400	1.05	BKF 127 R77 D71D4
0.27	11000	5027	80200	1.20	BKA 127 R77 D71D4
0.31	9610	4423	80800	1.35	BKAF 127 R77 D71D4
0.35	8430	3889	81300	1.55	
0.42	7120	3311	81700	1.85	
0.72	4230	1926	82500	3.1	BK 127 R77 D71D4
0.79	3880	1757	82500	3.4	BKF 127 R77 D71D4
0.80	3380	1541	82600	3.8	BKA 127 R77 D71D4
0.98	8380	3810	65000	0.95	
0.41	7300	3358	65000	1.10	BK 107 R77 D71D4
0.46	6510	2977	65000	1.25	BKF 107 R77 D71D4
0.53	5890	2599	65000	1.40	BKA 107 R77 D71D4
0.60	4970	2286	65000	1.60	BKAF 107 R77 D71D4
0.71	4210	1939	65000	1.90	
0.81	3790	1713	65000	2.1	BK 107 R77 D71D4
0.89	3440	1554	65000	2.3	BKF 107 R77 D71D4
1.0	2950	1336	65000	2.7	BKA 107 R77 D71D4
1.2	2580	1166	65000	3.1	BKAF 107 R77 D71D4
0.65	4770	2123	40000	0.90	
0.74	4200	1856	40000	1.00	
0.85	3610	1625	40000	1.20	
0.96	3180	1430	40000	1.35	BK 97 R57 D71D4
1.1	2850	1261	40000	1.50	BKF 97 R57 D71D4
1.2	2490	1102	40000	1.70	BKA 97 R57 D71D4
1.4	2180	957	40000	2.0	BKAF 97 R57 D71D4
1.6	1930	855	40000	2.2	
1.9	1620	743	40000	2.7	
2.1	1430	652	40000	3.0	
2.4	1280	573	40000	3.4	
0.97	3200	1415	28000	0.85	
1.1	2770	1229	27200	0.95	
1.3	2420	1078	27500	1.10	
1.5	2110	951	27900	1.30	BK 87 R57 D71D4
1.6	1856	837	28200	1.45	BKF 87 R57 D71D4
1.9	1600	726	28400	1.70	BKA 87 R57 D71D4
2.2	1420	638	28500	1.90	BKAF 87 R57 D71D4
2.5	1240	562	28600	2.2	
2.8	1040	474	28800	2.6	
3.2	940	426	28800	2.9	
3.7	810	373	28900	3.3	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
1.7	1860	815	10600	0.85	
2.0	1580	709	15200	1.00	
2.2	1360	622	16500	1.10	
2.5	1230	552	17300	1.25	
2.8	1080	485	18000	1.45	BK 77 R37D71D4
3.2	950	428	18500	1.60	BKF 77 R37D71D4
3.8	830	387	18900	1.85	BKA 77 R37D71D4
4.2	735	328	19200	2.1	BKAF 77 R37D71D4
4.8	656	290	19400	2.4	
5.5	566	252	19600	2.8	
6.2	485	221	19700	3.1	
7.1	435	198	19800	3.5	
7.9	390	175	19900	4.0	
9.0	340	154	19900	4.5	
3.3	940	420	9000	0.86	
3.8	820	361	10300	1.00	
4.3	725	323	11100	1.15	BK 67 R37D71D4
4.9	625	279	11800	1.30	BKF 67 R37D71D4
5.6	550	246	12200	1.50	BKA 67 R37D71D4
6.3	485	217	12500	1.70	BKAF 67 R37D71D4
7.2	430	191	12700	1.90	
8.3	370	166	12900	2.2	
9.6	326	144	13000	2.5	
11	275	122	13000	3.0	
4.9	625	280	7430	0.95	
5.6	550	246	8040	1.10	
6.4	480	215	8520	1.25	BK 57 R37D71D4
7.2	430	192	8750	1.40	BKF 57 R37D71D4
8.3	370	166	9000	1.60	BKA 57 R37D71D4
9.6	325	145	9200	1.85	BKAF 57 R37D71D4
11	290	129	9320	2.1	
12	245	111	9480	2.4	
14	210	97	9580	2.8	
3.9	910	174.19	28500	3.0	BK 87 D90S8
4.1	850	164.34	28900	3.2	BKF 87 D90S8
4.6	765	147.32	28900	3.5	BKA 87 D90S8
					BKAF 87 D90S8
4.6	775	197.37	28900	3.5	BK 87 D80K6
5.2	685	174.19	28900	4.0	BKF 87 D80K6
					BKA 87 D80K6
					BKAF 87 D80K6
5.0	705	135.28	19300	2.2	BK 77 D90S8
5.3	670	128.52	19300	2.3	BKF 77 D90S8
6.0	590	113.56	19500	2.6	BKA 77 D90S8
7.0	505	97.05	19700	3.1	BKAF 77 D90S8
5.8	605	154.02	19500	2.6	BK 77 D80K6
6.7	530	135.28	19600	2.9	BKF 77 D80K6
7.0	505	128.52	19700	3.1	BKA 77 D80K6
7.9	445	113.56	19800	3.5	BKAF 77 D80K6
7.2	490	192.18	19700	3.0	BK 77 D71D4
7.7	460	179.37	19800	3.2	BKF 77 D71D4
9.0	395	154.02	19900	3.9	BKA 77 D71D4
					BKAF 77 D71D4
6.3	560	108.03	12100	1.45	BK 67 D90S8
6.6	535	102.62	12300	1.55	BKF 67 D90S8
7.6	470	90.04	12600	1.75	BKA 67 D90S8
					BKAF 67 D90S8
7.3	485	123.54	12500	1.70	BK 67 D80K6
8.3	425	108.03	12700	1.95	BKF 67 D80K6
8.6	405	102.62	12800	2.0	BKA 67 D80K6
10	355	90.04	13000	2.3	BKAF 67 D80K6
9.5	370	144.79	12900	2.2	BK 67 D71D4
11	315	123.54	13000	2.6	BKF 67 D71D4
13	275	108.03	13000	3.0	BKA 67 D71D4
15	230	90.04	13000	3.6	BKAF 67 D71D4
18	196	76.37	13000	4.2	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N · m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
0.37kW							
7.3	485	123.85	8490	1.25			
8.3	425	108.29	8770	1.40	BK	57	D80K6
8.8	405	102.88	8870	1.50	BKF	57	D80K6
10	355	90.26	9070	1.70	BKA	57	D80K6
12	306	78.56	9280	2.0	BKAF	57	D80K6
13	270	69.12	9390	2.2			
9.5	370	145.14	9000	1.60			
11	316	123.85	9220	1.90			
13	275	108.29	9370	2.2	BK	57	D7104
13	265	102.88	9420	2.3	BKF	57	D7104
15	230	90.26	9530	2.6	BKA	57	D7104
18	196	78.56	9650	3.1	BKAF	57	D7104
20	177	69.12	9700	3.4			
8.6	410	104.37	5490	1.00	BK	47	D80K6
9.9	355	90.88	6480	1.10	BKF	47	D80K6
11	335	85.12	6730	1.20	BKA	47	D80K6
12	295	75.20	7100	1.35	BKAF	47	D80K6
10	340	131.87	6690	1.20	BK	47	D7104
11	310	121.48	6960	1.30	BKF	47	D7104
13	265	104.37	7330	1.50	BKA	47	D7104
					BKAF	47	D7104
15	235	90.86	7680	1.70			
18	220	85.12	7670	1.85	BK	47	D7104
18	183	75.20	7810	2.1	BKF	47	D7104
20	179	69.84	7880	2.2	BKA	47	D7104
22	162	63.30	7960	2.5	BKAF	47	D7104
14	250	97.81	2520	0.80			
16	215	83.69	5470	0.95			
19	186	72.54	5690	1.10			
20	174	67.80	5630	1.15			
24	150	58.60	5510	1.35			
28	128	49.79	5350	1.55			
31	114	44.46	5230	1.75			
36	97	37.97	5060	2.1			
39	91	35.57	4990	2.2			
46	77	29.96	4800	2.6	BK	37	D7104
48	74	28.83	4750	2.7	BKF	37	D7104
55	64	24.99	4590	3.1	BKA	37	D7104
58	60	23.36	4510	3.3	BKAF	37	D7104
68	52	20.19	4350	3.6			
80	44	17.15	4160	4.1			
90	39	15.31	4040	4.5			
105	34	13.08	3860	4.9			
114	31	12.14	3780	5.1			
132	27	10.49	3630	5.9			
155	23	8.91	3460	7.0			
179	20	7.96	3350	7.6			
203	17	6.80	3190	8.8			
217	16	6.37	3130	8.9			
257	14	5.36	2970	10			
0.55kW							
0.06	55900	16978	179800	0.90			
0.10	48500	14272	190000	1.10	BK	167 R97	D80K4
0.10	42500	13116	190000	1.20	BKF	167 R97	D80K4
0.12	37400	11647	190000	1.35	BKA	167 R97	D80K4
0.19	23900	7343	190000	2.1	BKAF	167 R97	D80K4
0.12	38400	11573	150000	0.85			
0.13	33800	10264	150000	0.95	BK	167 R97	D80K4
0.16	28100	8828	150000	1.15	BKF	167 R97	D80K4
0.21	21400	6562	150000	1.50	BKA	167 R97	D80K4
0.25	17200	5355	150000	1.85	BKAF	167 R97	D80K4
0.33	13200	4079	150000	2.4			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
0.20	22400	6881	109700	0.80	BK 157R97D80K4
0.20	18300	5931	111500	0.95	BKF 157R97D80K4
0.34	13000	3979	114400	1.40	BKA 157R97D80K4
0.45	9940	3051	115300	1.80	BKAF 157R97D80K4
0.31	14800	4423	70200	0.85	BK 127R77D80K4
0.35	13000	3889	79200	1.00	BKF 127R77D80K4
0.41	11100	3311	80200	1.20	BKA 127R77D80K4
0.45	10000	3009	80700	1.30	BKAF 127R77D80K4
0.52	8630	2607	81200	1.50	
0.71	6560	1926	81900	2.0	BK 127R77D80K4
0.77	5880	1757	82100	2.2	BKF 127R77D80K4
0.88	5220	1541	82300	2.5	BKA 127R77D80K4
1.0	4570	1342	82400	2.8	BKAF 127R77D80K4
1.2	3990	1177	82500	3.3	
1.3	3490	1025	82600	3.7	
0.46	10100	2977	65000	0.80	BK 107R77D80K4
0.52	8770	2599	65000	0.90	BKF 107R77D80K4
0.59	7690	2286	65000	1.05	BKA 107R77D80K4
0.70	6520	1939	65000	1.25	BKAF 107R77D80K4
0.78	5850	1713	65000	1.35	
0.87	5310	1554	65000	1.50	
1.0	4570	1336	65000	1.75	BK 107R77D80K4
1.2	3990	1166	65000	2.0	BKF 107R77D80K4
1.3	3450	1030	65000	2.3	BKA 107R77D80K4
1.5	3000	904	65000	2.7	BKAF 107R77D80K4
1.7	2700	793	65000	3.0	
2.0	2360	696	65000	3.4	
2.2	2050	615	65000	3.9	
0.95	4880	1430	40000	0.90	
1.1	4380	1261	40000	1.00	
1.2	3820	1102	40000	1.15	
1.4	3320	957	40000	1.30	BK 97R57D80K4
1.6	2960	855	40000	1.45	BKF 97R57D80K4
1.8	2520	743	40000	1.70	BKA 97R57D80K4
2.1	2220	652	40000	1.95	BKAF 97R57D80K4
2.4	1970	573	40000	2.2	
2.7	1700	504	40000	2.5	
3.1	1470	437	40000	2.9	
3.5	1300	382	40000	3.3	
4.5	1040	305	40000	4.1	
1.4	3260	951	26500	0.85	
1.6	2960	837	27100	0.95	
1.9	2480	726	27600	1.10	
2.1	2190	638	27900	1.25	
2.4	1920	562	28100	1.40	BK 87R57D80K4
2.8	1620	474	28400	1.65	BKF 87R57D80K4
3.2	1450	426	28500	1.85	BKA 87R57D80K4
3.7	1260	373	28600	2.1	BKAF 87R57D80K4
4.1	1110	330	28700	2.4	
4.6	990	294	28800	2.7	
5.4	850	250	28900	3.2	
5.8	800	236	28900	3.4	
6.8	680	201	28900	4.0	
2.5	1900	552	5780	0.80	
2.8	1670	485	14500	0.95	
3.2	1470	428	15900	1.05	
3.7	1270	367	17100	1.20	BK 77R37D80K4
4.2	1130	328	17800	1.35	BKF 77R37D80K4
4.7	1000	290	18300	1.55	BKA 77R37D80K4
5.4	870	252	18800	1.80	BKAF 77R37D80K4
6.2	760	221	19100	2.0	
7.0	670	195	19300	2.3	
7.8	600	175	19500	2.6	
8.8	530	154	19600	2.9	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
4.9	960	279	7360	0.85	
5.5	840	246	10100	0.95	
6.2	745	217	10900	1.10	BK 87R37D80K4
7.1	660	191	11500	1.25	BKF 87R37D80K4
8.2	570	166	12100	1.45	BKA 87R37D80K4
9.4	495	144	12400	1.65	BKAF 87R37D80K4
11	420	122	12700	1.95	
7.1	660	192	5180	0.90	
8.2	575	168	7850	1.05	BK 57R37D80K4
9.4	495	145	8430	1.20	BKF 57R37D80K4
11	445	129	8680	1.35	BKA 57R37D80K4
12	380	111	8970	1.60	BKAF 57R37D80K4
14	335	97	9150	1.80	
3.8	1350	174.19	28600	2.0	BK 87D90L8
4.1	1270	184.34	28600	2.1	BKF 87D90L8
4.6	1140	147.32	28700	2.4	BKA 87D90L8
					BKAF 87D90L8
4.6	1150	197.37	28700	2.3	BK 87D80N6
5.2	1020	174.19	28800	2.7	BKF 87D80N6
5.5	960	184.34	28800	2.8	BKA 87D80N6
6.1	860	147.32	28900	3.1	BKAF 87D80N6
5.0	1040	135.28	18100	1.50	BK 77D90L8
5.3	990	128.52	18300	1.55	BKF 77D90L8
6.0	880	113.56	18700	1.75	BKA 77D90L8
7.0	750	97.05	19100	2.1	BKAF 77D90L8
5.8	900	154.02	18700	1.70	BK 77D80N6
6.7	790	135.28	19000	1.95	BKF 77D80N6
7.0	750	128.52	19100	2.1	BKA 77D80N6
7.9	665	113.56	19400	2.3	BKAF 77D80N6
8.8	595	154.02	19500	2.6	BK 77D80K4
10	520	135.28	19700	3.0	BKF 77D80K4
11	495	128.52	19700	3.1	BKA 77D80K4
12	440	113.56	19800	3.5	BKAF 77D80K4
14	375	97.05	19900	4.1	
7.3	720	123.04	11100	1.15	
8.3	630	108.03	11700	1.30	BK 67D80N6
8.8	600	102.82	11900	1.35	BKF 67D80N6
10	525	90.04	12300	1.55	BKA 67D80N6
12	445	76.37	12600	1.85	BKAF 67D80N6
11	475	123.04	12500	1.70	BK 67D80K4
13	415	108.03	12800	1.85	BKF 67D80K4
15	350	90.04	13000	2.4	BKA 67D80K4
18	295	76.37	13000	2.8	BKAF 67D80K4
8.3	630	108.29	7380	0.95	
8.8	600	102.88	7830	1.00	
10	525	90.26	8220	1.15	BK 57D80N6
12	445	76.58	8670	1.35	BKF 57D80N6
13	405	69.12	8870	1.50	BKA 57D80N6
15	355	60.81	9070	1.70	BKAF 57D80N6
16	335	57.42	9150	1.80	
11	480	123.85	8520	1.25	
13	420	108.29	8800	1.45	
13	395	102.88	8890	1.50	BK 57D80K4
15	350	90.26	9100	1.70	BKF 57D80K4
18	295	76.56	9300	2.0	BKA 57D80K4
20	265	69.12	9410	2.2	BKAF 57D80K4
22	235	60.81	9520	2.6	
24	220	57.42	9560	2.7	
13	405	104.37	5880	1.00	
15	350	90.86	6550	1.15	BK 47D80K4
16	330	85.12	6790	1.20	BKF 47D80K4
18	290	75.20	7150	1.40	BKA 47D80K4
19	270	69.84	7310	1.50	BKAF 47D80K4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model		
0.55kW							
21	245	63.30	7500	1.65	BK	47	D80K4
24	220	56.83	7660	1.80	BKF	47	D80K4
28	189	48.95	7830	2.1	BKA	47	D80K4
36	178	46.03	7850	2.2	BKAF	47	D80K4
23	225	58.60	4850	0.80			
27	192	49.79	4790	1.05			
31	172	44.48	4740	1.15			
36	147	37.97	4640	1.35			
38	137	35.57	4600	1.45			
45	116	29.96	4470	1.75			
47	111	28.83	4440	1.80			
54	97	24.99	4320	2.1	BK	37	D80K4
58	90	23.36	4260	2.2	BKF	37	D80K4
57	78	20.19	4130	2.4	BKA	37	D80K4
79	86	17.15	3980	2.7	BKAF	37	D80K4
89	59	15.31	3880	3.0			
104	51	13.06	3730	3.3			
112	47	12.14	3660	3.4			
130	41	10.40	3520	4.0			
153	34	8.91	3370	4.7			
171	31	7.96	3270	5.1			
200	26	6.60	3130	5.7			
214	25	6.37	3070	5.9			
254	21	5.36	2920	6.8			
0.75kW							
0.11	58400	13116	175300	0.85			
0.12	51500	11647	187300	0.95	BK	187 R97	D80N4
0.19	32800	7343	190000	1.50	BKF	187 R97	D80N4
1.20	30000	8747	190000	1.65	BKA	187 R97	D80N4
0.23	26500	5991	190000	1.90	BKAF	187 R97	D80N4
0.16	38600	8628	150000	0.85			
0.21	29300	6562	150000	1.10	BK	167 R97	D80N4
0.26	23700	5355	150000	1.35	BKF	167 R97	D80N4
0.34	18200	4079	150000	1.75	BKA	167 R97	D80N4
0.41	15100	3376	150000	2.1	BKAF	167 R97	D80N4
0.35	17800	3979	112300	1.00	BK	157 R97	D80N4
0.45	13600	3051	114100	1.30	BKF	157 R97	D80N4
					BKA	157 R97	D80N4
					BKAF	157 R97	D80N4
					BK	157 R97	D80N4
0.83	7440	1659	115900	2.4	BKF	157 R97	D80N4
1.0	6040	1365	116200	3.0	BKA	157 R97	D80N4
					BKAF	157 R97	D80N4
0.42	15100	3311	75800	0.85	BK	127 R77	D80N4
0.46	13700	3009	78600	0.95	BKF	127 R77	D80N4
0.53	11800	2607	79800	1.10	BKA	127 R77	D80N4
					BKAF	127 R77	D80N4
0.72	8930	1926	81100	1.45			
0.79	8150	1757	81400	1.60	BK	127 R77	D80N4
0.90	7120	1541	81700	1.85	BKF	127 R77	D80N4
1.0	6220	1342	82000	2.1	BKA	127 R77	D80N4
1.2	5440	1177	82200	2.4	BKAF	127 R77	D80N4
1.4	4750	1025	82400	2.7			
1.5	4150	899	82500	3.1			
0.81	7980	1713	65000	1.00			
0.89	7230	1554	65000	1.10			
1.0	6210	1336	65000	1.30	BK	107 R77	D80N4
1.2	5420	1166	65000	1.50	BKF	107 R77	D80N4
1.3	4710	1030	65000	1.70	BKA	107 R77	D80N4
1.5	4120	904	65000	1.95	BKAF	107 R77	D80N4
1.7	3680	793	65000	2.2			
2.0	3210	696	65000	2.5			
2.2	2800	615	65000	2.8			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.75kW					
11	645	123.85	7130	0.95	
13	560	108.29	7940	1.05	
15	535	102.88	8180	1.10	
16	470	90.26	9570	1.30	BK 57 D80N4
18	395	78.56	9890	1.50	BKF 57 D80N4
20	360	69.12	9060	1.65	BKA 57 D80N4
23	315	60.81	9230	1.90	BKAF 57 D80N4
24	300	57.42	9290	2.0	
26	255	48.89	9450	2.4	
31	230	44.43	9530	2.6	
18	390	75.20	6060	1.00	BK 47 D80N4
20	365	69.84	6410	1.10	BKF 47 D80N4
22	330	63.30	6790	1.20	BKA 47 D80N4
					BKAF 47 D80N4
24	295	58.83	7110	1.35	
26	255	48.89	7430	1.55	BK 47 D80N4
30	240	46.03	7540	1.65	BKF 47 D80N4
35	205	39.61	7740	1.95	BKA 47 D80N4
39	184	35.39	7760	2.2	BKAF 47 D80N4
44	162	31.30	7550	2.5	
31	230	44.46	4170	0.85	
36	197	37.97	4150	1.00	
39	185	35.57	4140	1.10	
46	156	29.96	4080	1.30	
48	150	28.83	4080	1.35	
55	130	24.99	3990	1.55	
58	121	23.36	3950	1.60	BK 37 D80N4
68	105	20.19	3860	1.75	BKF 37 D80N4
80	89	17.15	3750	2.0	BKA 37 D80N4
90	80	15.31	3670	2.2	BKAF 37 D80N4
105	68	13.08	3550	2.4	
114	63	12.14	3500	2.5	
132	54	10.49	3380	2.9	
155	46	8.91	3250	3.5	
173	41	7.95	3160	3.8	
203	35	6.80	3030	4.2	
217	33	6.37	2980	4.4	
257	28	5.38	2840	5.0	
1.1kW					
0.15	60700	9363	171000	0.80	
0.17	52400	8126	185900	0.95	
0.19	48300	7343	190000	1.05	
0.21	44300	6747	190000	1.15	BK 187R97 D90S4
0.23	39200	5991	190000	1.30	BKH 187R97 D90S4
0.26	34900	5358	190000	1.45	
0.29	31200	4817	190000	1.60	
0.32	28300	4370	190000	1.75	
0.26	35000	5355	150000	0.90	
0.29	31200	4788	150000	1.05	
0.34	26800	4029	150000	1.20	BK 187R97 D90S4
0.41	22200	3376	150000	1.45	BKH 167R57 D90S4
0.51	18000	2755	150000	1.80	
0.84	14800	2182	150000	2.2	
0.82	11300	1704	150000	2.8	BK 167R97 D90S4
0.99	9330	1408	150000	3.4	BKH 167R97 D90S4
1.1	8560	1296	150000	3.7	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
1.1kW					
0.40	22900	3518	108300	0.80	BK 157R97 D90S4
0.46	20100	3051	111100	0.90	BKF 157R97 D90S4
0.54	16900	2610	112700	1.05	BKA 157R97 D90S4
0.60	15100	2322	113500	1.20	BKAF 157R97 D90S4
0.84	11000	1659	115000	1.65	
1.0	8970	1385	115800	2.0	BK 157R97 D90S4
1.1	8030	1229	115800	2.2	BKF 157R97 D90S4
1.3	7150	1093	116000	2.5	BKA 157R97 D90S4
1.5	6160	942	116100	2.9	BKAF 157R97 D90S4
1.6	5550	854	116200	3.2	
0.73	13100	1926	78100	1.00	
0.80	11900	1757	79800	1.10	
0.91	10400	1541	80500	1.25	
1.0	9100	1342	81100	1.45	BK 127R77 D90S4
1.2	7960	1177	81500	1.65	BKF 127R77 D90S4
1.4	6950	1025	81800	1.85	BKA 127R77 D90S4
1.6	6080	899	82000	2.1	BKAF 127R77 D90S4
1.8	5270	790	82200	2.5	
2.0	4740	704	82400	2.7	
2.3	4090	610	82500	3.2	
2.5	3690	549	82500	3.5	
2.8	3180	477	82600	4.1	
1.2	7920	1160	65000	1.00	
1.4	6920	1030	65000	1.15	
1.5	6050	904	65000	1.30	
1.8	5380	793	65000	1.50	BK 107R77 D90S4
2.0	4700	696	65000	1.70	BKF 107R77 D90S4
2.3	4120	615	65000	1.95	BKA 107R77 D90S4
2.7	3500	522	65000	2.3	BKAF 107R77 D90S4
3.0	3080	461	65000	2.6	
3.4	2720	408	65000	2.9	
3.8	2450	364	65000	3.3	
4.4	2140	318	65000	3.7	
1.9	5030	743	39800	0.85	
2.2	4420	652	40000	0.95	BK 97 R57 D90S4
2.4	3910	573	40000	1.10	BKF 97 R57 D90S4
2.8	3400	504	40000	1.25	BKA 97 R57 D90S4
3.2	2940	437	40000	1.45	BKAF 97 R57 D90S4
3.7	2590	382	40000	1.65	
4.1	2300	342	40000	1.85	
3.0	3220	474	26600	0.85	
3.3	2890	426	27000	0.95	
3.8	2520	373	27500	1.05	BK 87 R57 D90S4
4.2	2230	320	27800	1.20	BKF 87 R57 D90S4
4.6	1980	294	28100	1.35	BKA 87 R57 D90S4
5.6	1700	250	28300	1.60	BKAF 87 R57 D90S4
5.9	1600	236	28400	1.70	
7.0	1360	201	28600	2.0	
3.9	2720	175.05	40000	1.60	BK 97 D100L8
4.4	2370	153.21	40000	1.80	BKF 97 D100L8
4.6	2170	140.28	40000	2.0	BKA 97 D100L8
5.5	1910	123.93	40000	2.2	BKAF 97 D100L8
5.2	2010	176.05	40000	2.1	BK 97 D90L6
6.0	1750	153.21	40000	2.5	BKF 97 D90L6
6.6	1600	140.28	40000	2.7	BKA 97 D90L6
7.4	1420	123.93	40000	3.0	BKAF 97 D90L6
7.9	1320	176.05	40000	3.3	BK 97 D90S4
9.1	1150	153.21	40000	3.7	BKF 97 D90S4
10	1050	140.28	40000	4.1	BKA 97 D90S4
					BKAF 97 D90S4
5.3	1990	174.19	28100	1.35	BK 87 D90L6
5.8	1880	164.34	28200	1.45	BKF 87 D90L6
6.2	1680	147.32	28300	1.60	BKA 87 D90L6
7.2	1450	126.91	28500	1.85	BKAF 87 D90L6

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model	
1.1kW						
8.0	1310	174.19	28600	2.1	BK	87 D90S4
8.5	1200	164.34	28700	2.2	BKF	87 D90S4
9.5	1110	147.32	28700	2.4	BKA	87 D90S4
11	950	126.91	28800	2.8	BKAF	87 D90S4
12	870	116.82	28800	3.1		
6.8	1540	135.28	15400	1.00	BK	77 D90L6
7.2	1470	128.52	15900	1.05	BKF	77 D90L6
8.1	1360	112.58	17000	1.20	BKA	77 D90L6
9.5	1110	97.05	17900	1.40	BKAF	77 D90L6
10	1020	135.28	18300	1.55	BK	77 D90S4
11	960	128.52	18400	1.60	BKF	77 D90S4
12	850	113.56	18800	1.80	BKA	77 D90S4
					BKAF	77 D90S4
14	736	97.05	19200	2.1	BK	77 D90S4
16	670	88.97	19300	2.3	BKF	77 D90S4
18	586	78.07	19500	2.7	BKA	77 D90S4
19	555	73.99	19600	2.8	BKAF	77 D90S4
13	810	108.03	10400	1.00		
14	776	102.62	10700	1.05	BK	67 D90S4
16	675	90.04	11400	1.20	BKF	67 D90S4
18	575	78.37	12000	1.45	BKA	67 D90S4
20	515	68.95	12300	1.60	BKAF	67 D90S4
23	456	60.66	12600	1.80		
24	436	57.28	12700	1.90	BK	67 D90S4
29	365	48.77	12900	2.2	BKF	67 D90S4
32	335	44.32	13000	2.5	BKA	67 D90S4
36	290	38.39	13000	2.8	BKAF	67 D90S4
16	675	80.26	2410	0.90		
18	575	78.58	2840	1.05		
20	520	69.12	8280	1.15		
23	456	60.81	8630	1.30	BK	57 D90S4
24	430	57.42	8750	1.40	BKF	57 D90S4
29	365	48.89	9020	1.65	BKA	57 D90S4
32	335	44.43	9160	1.80	BKAF	57 D90S4
36	290	38.49	9330	2.1		
39	270	35.70	9400	2.2		
46	225	30.28	9540	2.8		
51	205	27.34	9510	2.9		
58	181	24.05	9220	3.3		
62	170	22.71	9090	3.5		
72	145	19.34	8720	4.0		
80	132	17.57	8610	4.2	BK	57 D90S4
92	114	15.22	8180	4.7	BKF	57 D90S4
106	98	13.25	7880	5.1	BKA	57 D90S4
117	90	11.92	7670	5.6	BKAF	57 D90S4
124	85	11.25	7450	5.9		
146	72	9.59	7120	5.8		
161	65	8.71	6930	6.0		
186	57	7.55	6650	6.4		
213	49	6.57	6380	7.0		
25	425	56.83	3310	0.95	BK	47 D90S4
29	365	48.95	3360	1.10	BKF	47 D90S4
30	345	48.03	3610	1.15	BKA	47 D90S4
					BKAF	47 D90S4
35	295	39.61	7090	1.35		
40	265	35.39	7090	1.50	BK	47 D90S4
45	235	31.30	6960	1.70	BKF	47 D90S4
48	220	29.32	6890	1.80	BKA	47 D90S4
54	194	25.91	6730	2.1	BKAF	47 D90S4
64	164	21.81	6510	2.4		
72	147	19.58	6360	2.7		

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
1.5kW					
1.4	9460	1030	65000	0.85	
1.6	8280	904	65000	0.95	
1.8	7330	739	65000	1.10	
2.0	6420	696	65000	1.25	BK 107 R77 D90L4
2.3	5640	615	65000	1.40	BKF 107 R77 D90L4
2.7	4780	522	65000	1.65	BKA 107 R77 D90L4
3.1	4210	461	65000	1.90	BKAF 107 R77 D90L4
3.5	3720	408	65000	2.2	
3.9	3350	364	65000	2.4	
4.4	2920	318	65000	2.7	
2.5	5320	573	39500	0.80	
2.8	4650	504	40000	0.95	
3.2	4020	437	40000	1.05	BK 97 R57 D90L4
3.7	3540	382	40000	1.20	BKF 97 R57 D90L4
4.1	3140	342	40000	1.35	BKA 97 R57 D90L4
4.6	2820	305	40000	1.50	BKAF 97 R57 D90L4
5.5	2360	258	40000	1.80	
6.1	2140	232	40000	2.0	
7.1	1840	199	40000	2.3	
4.3	3040	330	26800	0.90	
4.8	2700	294	27300	1.00	BK 87 R57 D90L4
5.6	2310	250	27700	1.15	BKF 87 R57 D90L4
6.0	2180	236	27900	1.25	BKA 87 R57 D90L4
7.0	1860	201	28200	1.45	BKAF 87 R57 D90L4
7.7	1690	183	28300	1.60	
4.9	2940	143.47	85000	2.7	BK 107 D112M8
5.8	2490	121.46	85000	3.2	BKF 107 D112M8
6.2	2300	112.41	85000	3.5	BKA 107 D112M8
					BKAF 107 D112M8
4.6	3146	153.21	40600	1.35	BK 97 D112M8
5.0	2870	140.28	40600	1.50	BKF 97 D112M8
5.7	2540	123.93	40600	1.70	BKA 97 D112M8
					BKAF 97 D112M8
5.2	2746	178.05	40600	1.55	BK 97 D100M6
6.0	2390	153.21	40600	1.80	BKF 97 D100M6
6.6	2180	140.28	40600	1.95	BKA 97 D100M6
7.4	1930	123.93	40600	2.2	BKAF 97 D100M6
8.0	1790	178.05	40600	2.4	BK 97 D90L4
9.2	1560	153.21	40600	2.8	BKF 97 D90L4
10	1430	140.28	40600	3.0	BKA 97 D90L4
11	1260	123.93	40600	3.4	BKAF 97 D90L4
6.2	2290	147.32	27800	1.20	BK 87 D100M6
7.2	1980	126.91	28100	1.35	BKF 87 D100M6
7.9	1800	115.82	28200	1.50	BKA 87 D100M6
9.0	1600	102.71	28400	1.70	BKAF 87 D100M6
8.1	1770	174.19	28300	1.55	
8.6	1670	164.34	28300	1.60	BK 87 D90L4
9.6	1500	147.32	28500	1.80	BKF 87 D90L4
11	1290	126.91	28600	2.1	BKA 87 D90L4
12	1180	115.82	28700	2.3	BKAF 87 D90L4
14	1040	102.71	28800	2.6	
16	890	86.34	28800	3.1	
8.1	1770	113.56	13600	0.90	BK 77 D100M6
9.5	1510	97.05	15700	1.05	BKF 77 D100M6
10	1390	88.97	16400	1.10	BKA 77 D100M6
12	1220	78.07	17400	1.30	BKAF 77 D100M6
10	1370	135.28	16500	1.15	BK 77 D90L4
11	1310	128.52	16900	1.20	BKF 77 D90L4
12	1150	113.58	17700	1.35	BKA 77 D90L4
15	990	97.05	18400	1.55	BKAF 77 D90L4
16	900	88.97	18700	1.70	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
1.5kW					
18	795	78.07	19000	1.95	
19	750	73.99	19100	2.1	
22	680	64.75	19400	2.4	BK 77 D90L4
24	595	58.34	19500	2.6	BKF 77 D90L4
28	520	51.18	19700	3.0	BKA 77 D90L4
31	460	45.16	19800	3.4	BKAF 77 D90L4
35	405	40.04	19800	3.8	
18	910	90.04	9370	0.90	
18	775	78.37	10700	1.05	BK 67 D90L4
20	790	68.95	11300	1.15	BKF 67 D90L4
23	615	60.66	11800	1.35	BKA 67 D90L4
25	580	57.28	12000	1.40	BKAF 67 D90L4
29	495	48.77	12400	1.65	
32	450	44.32	12600	1.80	
37	390	38.39	12800	2.0	BK 67 D90L4
40	380	35.62	12900	2.3	BKF 67 D90L4
47	305	30.22	13000	2.7	BKA 67 D90L4
52	275	27.28	13000	3.0	BKAF 67 D90L4
59	245	24.00	13000	3.3	
23	620	60.81	7480	0.95	BK 57 D90L4
25	685	57.42	7770	1.05	BKF 57 D90L4
29	495	48.89	8430	1.20	BKA 57 D90L4
32	450	44.43	8850	1.35	BKAF 57 D90L4
37	390	38.49	8920	1.55	
39	385	35.70	9040	1.65	
47	310	30.28	9190	1.95	BK 57 D90L4
52	280	27.34	9010	2.2	BKF 57 D90L4
59	245	24.05	8780	2.5	BKA 57 D90L4
62	230	22.71	8670	2.6	BKAF 57 D90L4
73	195	19.34	8360	2.9	
36	400	39.61	5890	1.00	BK 47 D90L4
40	380	35.39	6360	1.10	BKF 47 D90L4
45	320	31.09	6310	1.25	BKA 47 D90L4
					BKAF 47 D90L4
48	300	29.32	6270	1.35	
54	265	25.91	6190	1.50	
65	220	21.81	6050	1.80	
72	199	19.58	5950	2.0	BK 47 D90L4
84	171	16.86	5800	2.2	BKF 47 D90L4
89	161	15.86	5730	2.4	BKA 47 D90L4
103	139	13.65	5560	2.6	BKAF 47 D90L4
116	124	12.19	5430	2.8	
120	120	11.17	5340	2.9	
60	235	23.36	2860	0.80	
70	205	20.19	2920	0.90	
82	174	17.15	2940	1.05	
92	156	15.31	2950	1.10	BK 37 D90L4
108	133	13.08	2930	1.25	BKF 37 D90L4
116	123	12.14	2920	1.30	BKA 37 D90L4
134	107	10.49	2880	1.50	BKAF 37 D90L4
158	91	8.91	2820	1.75	
177	81	7.96	2770	1.90	
207	69	6.80	2700	2.2	
221	65	6.37	2670	2.2	
263	55	5.36	2580	2.6	
2.2kW					
0.32	57900	4370	176200	0.85	BK 187 R97 D100M4
0.50	37000	2818	190000	1.35	BKH 187 R97 D100M4
0.39	48800	3609	190000	1.00	
0.46	41300	3062	190000	1.20	
0.56	33800	2519	190000	1.50	BK 187 R97 D100M4
0.62	30400	2268	190000	1.65	BKH 187 R97 D100M4
0.69	27400	2054	190000	1.80	
0.77	24200	1821	190000	2.1	
0.88	21400	1605	190000	2.3	
0.51	36800	2755	150000	0.85	BK 167 R97 D100M4
0.62	29800	2263	150000	1.05	BKH 167 R97 D100M4

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a0} [N]	使用 系数 Service factor f_s	型号 Model
2.2kW					
0.85	29500	2182	150000	1.10	
0.83	22900	1704	150000	1.40	
1.0	18000	1408	150000	1.70	BK 167 R97 D100M4
1.1	17400	1296	150000	1.85	BKH 167 R97 D100M4
1.3	14700	1101	150000	2.2	
1.5	12600	944	150000	2.5	
0.85	22400	1859	109700	0.80	
1.0	18300	1365	112000	1.00	BK 157 R97 D100M4
1.1	16500	1229	112900	1.10	BKF 157 R97 D100M4
1.3	14600	1093	113700	1.35	BKA 157 R97 D100M4
1.5	12600	942	114500	1.45	BKAF 157 R97 D100M4
1.8	11400	854	114900	1.60	
1.9	9990	756	115300	1.80	
2.6	7180	536	81700	1.80	BK 127 R87 D100M4
3.0	5310	473	82000	2.1	BKF 127 R87 D100M4
3.4	5600	418	82200	2.3	BKA 127 R87 D100M4
3.8	4850	367	82300	2.6	BKAF 127 R87 D100M4
4.3	4440	330	82400	2.9	
1.4	14000	1025	78000	0.95	
1.6	12200	889	78600	1.05	
1.8	10700	790	80400	1.20	BK 127 R77 D100M4
2.0	9580	704	80900	1.35	BKF 127 R77 D100M4
2.3	8280	610	81400	1.55	BKA 127 R77 D100M4
2.6	7460	549	81600	1.75	BKAF 127 R77 D100M4
3.0	6460	477	81900	2.0	
3.4	5680	418	82100	2.3	
2.3	8340	616	65000	0.95	
2.7	7070	522	65000	1.15	
3.1	6230	461	65000	1.30	BK 107 R77 D100M4
3.5	5520	408	65000	1.45	BKF 107 R77 D100M4
3.9	4940	364	65000	1.60	BKA 107 R77 D100M4
4.4	4320	318	65000	1.85	BKAF 107 R77 D100M4
4.9	3890	286	65000	2.1	
5.6	3410	251	65000	2.3	
3.7	5210	382	39700	0.80	
4.1	4640	342	40000	0.95	BK 97 R57 D100M4
4.6	4170	305	40000	1.05	BKF 97 R57 D100M4
5.0	3910	258	40000	1.20	BKA 97 R57 D100M4
6.1	3160	232	40000	1.35	BKAF 97 R57 D100M4
7.1	2710	199	40000	1.60	
4.9	4310	143.47	65000	1.85	BK 107 D132S8
5.8	3650	121.46	65000	2.2	BKF 107 D132S8
6.2	3370	112.41	65000	2.4	BKA 107 D132S8
6.9	3020	100.75	65000	2.7	BKAF 107 D132S8
6.1	3420	153.21	40000	1.25	BK 97 D112M6
6.7	3140	140.28	40000	1.35	BKF 97 D112M6
7.6	2770	123.93	40000	1.55	BKA 97 D112M6
8.9	2350	106.13	40000	1.85	BKAF 97 D112M6
8.0	2620	176.05	40000	1.65	BK 97 D100M4
9.2	2280	153.21	40000	1.90	BKF 97 D100M4
10	2090	140.28	40000	2.1	BKA 97 D100M4
11	1850	123.93	40000	2.3	BKAF 97 D100M4
13	1570	105.13	40000	2.8	BK 97 D100M4
15	1440	96.80	40000	3.0	BKF 97 D100M4
					BKA 97 D100M4
					BKAF 97 D100M4
9.6	2200	147.32	27900	1.25	BK 87 D100M4
11	1890	126.91	28200	1.45	BKF 87 D100M4
12	1730	115.82	28300	1.55	BKA 87 D100M4
					BKAF 87 D100M4
14	1530	102.71	28500	1.75	BK 87 D100M4
16	1290	86.34	28600	2.1	BKF 87 D100M4

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N · m]	传动 比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model	
3.0kW						
0.46	57100	3082	177600	0.90	BK BKH	187 R97 D100L4
0.56	46800	2519	190000	1.05		
0.62	42100	2268	190000	1.20		
0.68	38000	2054	190000	1.30		
0.77	33600	1821	190000	1.50		
0.87	29700	1606	190000	1.70		
1.0	25600	1395	190000	1.95		
1.2	22100	1196	190000	2.3		
0.82	31700	1704	150000	1.00	BK BKH	167 R97 D100L4
0.99	28200	1408	150000	1.20		
1.1	24100	1296	150000	1.35		
1.3	20300	1101	150000	1.55		
1.5	17500	944	150000	1.85		
1.7	15500	843	150000	2.1		
1.9	14000	757	150000	2.3		
1.1	22800	1229	109400	0.80		
1.3	20300	1093	111000	0.90		
1.5	17500	942	112400	1.05		
1.6	15800	854	113200	1.15		
1.9	13900	756	114000	1.30		
2.5	10500	567	115200	1.70		
2.8	9310	504	115500	1.95	BK BKF BKA BKAF	127 R87 D100L4
2.8	9940	536	80700	1.30		
3.0	8750	473	81200	1.50		
3.3	7760	418	81500	1.70		
3.8	6840	367	81800	1.90		
4.2	6140	330	82000	2.1		
4.9	5300	287	82200	2.3		
1.8	14800	790	76500	0.90	BK BKF BKA BKAF	127 R77 D100L4
2.0	13200	704	79100	1.00		
2.3	11400	610	80000	1.15		
2.5	10300	549	80600	1.25		
2.9	8920	477	81100	1.45		
3.3	7840	418	81500	1.65		
3.0	8610	461	65000	0.95	BK BKF BKA BKAF	107 R77 D100L4
3.4	7620	408	65000	1.05		
3.8	6820	364	65000	1.15		
4.4	5960	318	65000	1.35		
4.9	5370	286	65000	1.50		
5.6	4700	251	65000	1.70		
6.3	4150	222	65000	1.95		
7.1	3670	196	65000	2.2		
8.1	3250	174	65000	2.5		
9.1	2880	154	65000	2.8		
10	2610	140	65000	3.0		
5.4	4840	258	40000	0.90	BK BKF BKA BKAF	97 R57 D100L4
6.0	4380	232	40000	1.00		
7.0	3740	199	40000	1.15		
5.0	5710	143.47	65000	1.40	BK BKF BKA BKAF	107 D132M8
5.9	4830	121.46	65000	1.55		
6.4	4470	112.41	65000	1.80		
7.2	4010	100.75	65000	2.0		
7.9	3620	90.96	65000	2.2		
6.6	4370	143.47	65000	1.85	BK BKF BKA BKAF	107 D132S6
7.7	3700	121.46	65000	2.2		
8.4	3430	112.41	65000	2.3		
9.3	3070	100.75	65000	2.6		
9.8	2940	143.47	65000	2.7	BK BKF BKA BKAF	107 D100L4
12	2490	121.46	65000	3.2		
7.8	3780	123.93	40000	1.15	BK BKF BKA BKAF	97 D132S6
8.9	3200	105.13	40000	1.35		
9.7	2950	96.80	40000	1.45		
11	2640	86.52	40000	1.65		

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model	
3.0kW						
7.9	3600	176.05	40000	1.20	BK	97 D100L4
9.1	3140	153.21	40000	1.35	BKF	97 D100L4
10	2870	140.28	40000	1.50	BKA	97 D100L4
11	2540	123.93	40000	1.70	BKAF	97 D100L4
13	2150	105.13	40000	2.0		
14	1980	98.80	40000	2.2	BK	97 D100L4
16	1770	86.52	40000	2.4	BKF	97 D100L4
18	1590	77.89	40000	2.7	BKA	97 D100L4
20	1440	70.54	40000	3.0	BKAF	97 D100L4
22	1280	62.55	40000	3.4		
25	1160	56.55	40000	3.7		
9.5	3010	147.32	28900	0.90	BK	87 D100L4
11	2600	126.91	27400	1.05	BKF	87 D100L4
12	2370	115.82	27700	1.15	BKA	87 D100L4
14	2100	102.71	28000	1.30	BKAF	87 D100L4
16	1770	86.34	28300	1.55		
18	1620	79.34	28400	1.65		
20	1440	70.45	28500	1.85	BK	87 D100L4
22	1290	63.00	28600	2.1	BKF	87 D100L4
25	1160	56.64	28700	2.3	BKA	87 D100L4
28	1010	49.16	28800	2.7	BKAF	87 D100L4
32	900	44.02	28900	2.9		
38	745	36.52	28400	3.3		
16	1820	88.97	13100	0.85		
18	1600	78.07	15000	0.95	BK	77 D100L4
19	1510	73.99	15800	1.00	BKF	77 D100L4
22	1330	64.75	16800	1.15	BKA	77 D100L4
24	1190	58.34	17500	1.30	BKAF	77 D100L4
27	1050	51.18	18100	1.50		
31	920	45.16	18600	1.70	BK	77 D100L4
35	820	40.04	18900	1.90	BKF	77 D100L4
40	720	35.20	19200	2.2	BKA	77 D100L4
45	630	30.89	19400	2.5	BKAF	77 D100L4
32	910	44.32	9450	0.90		
38	785	38.39	10600	1.00	BK	67 D100L4
39	730	35.62	11100	1.15	BKF	67 D100L4
46	620	30.22	11800	1.35	BKA	67 D100L4
51	560	27.28	12100	1.45	BKAF	67 D100L4
59	490	24.00	12500	1.65		
62	465	22.66	12600	1.70		
73	395	19.30	12800	1.95		
80	360	17.54	13000	2.1	BK	67 D100L4
92	310	15.19	13000	2.2	BKF	67 D100L4
106	270	13.22	13000	2.5	BKA	67 D100L4
112	255	12.48	13000	2.1	BKAF	67 D100L4
132	220	10.63	13000	2.3		
145	198	9.66	13000	2.4		
46	620	30.28	7186	0.95	BK	57 D100L4
51	560	27.34	7190	1.05	BKF	57 D100L4
58	490	24.05	7186	1.20	BKA	57 D100L4
					BKAF	57 D100L4
62	465	22.71	7186	1.30		
72	395	19.34	7080	1.45		
80	360	17.57	7020	1.55		
92	310	15.22	6890	1.70	BK	57 D100L4
106	270	13.25	6750	1.90	BKF	57 D100L4
117	245	19.92	6420	1.70	BKA	57 D100L4
124	230	11.26	6370	1.60	BKAF	57 D100L4
146	196	9.59	6200	2.1		
161	178	8.71	6090	2.2		
186	154	7.55	5920	2.4		
213	134	6.57	5750	2.6		
72	400	19.58	4430	1.00	BK	47 D100L4
83	345	16.88	4490	1.10	BKF	47 D100L4
88	325	15.85	4500	1.15	BKA	47 D100L4
					BKAF	47 D100L4

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model		
3.0kW							
103	280	13.65	4510	1.36	BK BKF BKA BKAF	47	D100L4 D100L4 D100L4 D100L4
115	250	12.19	4490	1.40			
119	240	11.77	4370	1.15			
133	215	10.58	4380	1.30			
154	186	9.10	4290	1.50			
164	175	8.56	4270	1.55			
190	151	7.36	4190	1.65			
213	135	6.58	4120	1.80	BK BKF BKA BKAF	37	D100L4 D100L4 D100L4 D100L4
241	119	5.81	4030	1.95			
157	162	8.91	2000	0.90			
176	163	7.96	2040	0.95			
206	139	6.80	2080	1.10			
220	130	6.37	2080	1.10			
261	110	5.36	2090	1.30			
4.0kW							
1.7	26300	836	190000	2.5	BK	187 R107	D112M
2.7	12600	520	190000	4.0	BKH	187 R107	D112M
0.56	61900	2519	188800	0.80	BK BKH	187 R97	D112M
0.63	55800	2268	180200	0.90			
0.69	50300	2054	189400	1.00			
0.78	44500	1821	190000	1.10			
0.88	39300	1605	190000	1.25			
1.0	34000	1395	190000	1.45			
1.2	29200	1196	190000	1.70			
1.4	25800	1048	190000	1.95	BK BKH	167 R97	D112M
1.5	23100	945	190000	2.2			
1.0	34800	1408	150000	0.90			
1.1	31900	1296	150000	1.00			
1.3	26900	1101	150000	1.20			
1.5	23100	944	150000	1.40			
1.7	20500	843	150000	1.55			
1.9	18500	757	150000	1.75	BK BKF BKA BKAF	157 R97	D112M
2.2	15400	632	150000	2.1			
1.7	20900	854	110600	0.85			
1.9	18400	756	112000	1.00			
2.5	13800	567	114000	1.30			
2.8	12300	504	114800	1.45			
3.3	10600	434	115100	1.70			
2.7	13100	536	79100	1.00	BK BKF BKA BKAF	127 R87	D112M
3.0	11600	473	79900	1.10			
3.4	10300	418	80600	1.25			
3.9	9040	387	81100	1.45			
4.3	8120	336	81400	1.60			
5.0	7010	287	81800	1.85			
5.6	6200	253	82000	2.1			
2.3	15100	610	75800	0.85	BK BKF BKA BKAF	127 R77	D112M
2.6	13800	549	78800	0.95			
3.0	11800	477	79800	1.10			
3.4	10300	418	80500	1.25			
3.9	8990	364	650000	0.90			
4.5	7860	318	650000	1.00			
5.0	7080	286	650000	1.15			
5.7	6200	251	650000	1.30	BK BKF BKA BKAF	107 R77	D112M
6.4	5470	222	650000	1.45			
7.2	4840	196	650000	1.65			
8.2	4290	174	650000	1.70			
9.2	3800	154	650000	1.90			
10	3440	140	650000	2.1			
2.1	4930	199	40000	0.85			
5.3	7220	132.14	81700	1.80			
5.9	6500	122.48	81900	2.0			
6.5	5850	116.18	82100	2.2			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
4.0kW					
59	645	24.05	6120	0.95	
63	610	22.71	6160	1.00	
73	520	19.34	6220	1.10	
81	475	17.57	6230	1.15	
93	410	15.22	6210	1.30	BK 57 D112M4
107	355	13.25	6150	1.45	BKF 57 D112M4
119	320	11.92	5810	1.30	BKA 57 D112M4
126	305	11.26	5790	1.35	BKAF 57 D112M4
148	260	9.59	5700	1.55	
183	235	8.71	5640	1.65	
188	205	7.55	5530	1.80	
216	177	6.57	5400	1.95	
5.5kW					
0.79	61100	1821	170200	0.80	
0.89	53900	1608	183200	0.85	
1.0	48700	1395	190000	1.08	
1.2	43100	1196	190000	1.25	BK 167 R97 D132S4
1.4	35100	1046	180000	1.45	BKH 167 R97 D132S4
1.5	31700	945	190000	1.60	
1.9	24800	738	190000	2.0	
2.3	20800	621	190000	2.4	
7.5kW					
1.3	36900	1101	150000	0.85	
1.5	31700	944	150000	1.00	
1.7	28200	843	150000	1.15	
1.9	25400	757	150000	1.25	BK 167 R97 D132S4
2.3	21200	632	150000	1.50	BKH 167 R97 D132S4
2.5	18700	561	150000	1.70	
3.0	16100	481	150000	2.0	
3.4	14100	423	150000	2.3	
11kW					
2.2	22100	681	169000	0.80	
2.5	19000	567	111700	0.95	BK 167 R97 D132S4
2.8	16800	504	112700	1.05	BKF 167 R97 D132S4
3.3	14500	434	113800	1.25	BKA 167 R97 D132S4
3.8	12700	379	114500	1.40	BKAF 167 R97 D132S4
4.3	11100	333	115000	1.60	
15kW					
3.4	14100	418	77800	0.90	
3.9	12400	367	79500	1.05	
4.3	11100	330	80200	1.15	BK 127 R87 D132S4
5.0	9820	287	80800	1.35	BKF 127 R87 D132S4
5.6	8510	253	81300	1.55	BKA 127 R87 D132S4
6.7	7150	213	81700	1.80	BKAF 127 R87 D132S4
7.1	6740	200	81900	1.80	
8.6	5580	166	82200	2.2	
9.8	4920	147	82300	2.4	
22kW					
6.4	7490	222	65000	1.05	BK 107 R77 D132S4
7.3	6640	196	65000	1.20	BKF 107 R77 D132S4
8.2	5870	174	65000	1.25	BKA 107 R77 D132S4
9.3	5200	154	65000	1.40	BKAF 107 R77 D132S4
10	4720	148	65000	1.55	
30kW					
4.7	11100	150.41	115000	1.60	BK 157 D160M8
5.8	9050	122.39	115000	2.0	BKF 157 D160M8
7.1	7410	100.22	115000	2.4	BKA 157 D160M8
7.8	6780	91.65	116000	2.7	BKAF 157 D160M8
45kW					
5.2	10100	138.14	80700	1.30	BK 127 D160M8
5.8	9060	122.48	81100	1.45	BKF 127 D160M8
6.4	8150	118.18	81400	1.60	BKA 127 D160M8
7.9	6650	89.89	81900	1.95	BKAF 127 D160M8
75kW					
7.1	7450	136.14	81600	1.75	BK 127 D132ML6
7.8	6700	122.48	81900	1.95	BKF 127 D132ML6
8.7	6030	110.18	82100	2.2	BKA 127 D132ML6
11	4920	89.89	82300	2.6	BKAF 127 D132ML6
110kW					
8.5	8150	112.41	85000	1.30	BK 107 D132ML6
9.5	5510	100.75	85000	1.45	BKF 107 D132ML6
11	4980	90.96	85000	1.60	BKA 107 D132ML6
12	4520	82.81	85000	1.75	BKAF 107 D132ML6

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
5.5kW					
10	5270	143.47	65000	1.50	
12	4460	121.46	65000	1.80	BK 107 D132S4
13	4130	112.41	65000	1.95	BKF 107 D132S4
14	3700	108.75	65000	2.2	BKA 107 D132S4
16	3340	90.96	65000	2.4	BKAF 107 D132S4
17	3030	82.61	65000	2.6	
7.5kW					
12	4550	123.93	40000	0.95	BK 97 D132S4
14	3860	105.13	40000	1.10	BKF 97 D132S4
15	3580	96.80	40000	1.20	BKA 97 D132S4
17	3180	86.52	40000	1.35	BKAF 97 D132S4
11kW					
18	2860	77.89	40000	1.50	BK 97 D132S4
20	2590	70.54	40000	1.65	BKF 97 D132S4
23	2300	62.55	40000	1.85	BKA 97 D132S4
25	2080	56.55	39700	2.1	BKAF 97 D132S4
30	1780	47.93	38800	2.4	
15kW					
17	3170	86.34	28600	0.85	BK 87 D132S4
18	2910	79.34	27000	0.85	BKF 87 D132S4
20	2590	70.46	27400	1.05	BKA 87 D132S4
23	2310	63.00	27500	1.15	BKAF 87 D132S4
25	2080	56.64	27300	1.30	
22kW					
29	1810	49.16	26900	1.50	BK 87 D132S4
32	1620	44.02	26500	1.80	BKF 87 D132S4
38	1340	36.52	25800	1.85	BKA 87 D132S4
48	1150	31.39	25200	2.3	BKAF 87 D132S4
51	1020	27.88	24700	2.5	
30kW					
32	1680	45.16	14600	0.85	BK 77 D132S4
36	1470	40.04	15900	1.05	BKF 77 D132S4
46	1130	30.89	17800	1.35	BKA 77 D132S4
48	1070	29.27	18000	1.45	BKAF 77 D132S4
56	940	25.62	18500	1.65	
45kW					
62	850	23.08	18800	1.85	
71	745	20.25	19100	2.0	BK 77 D132S4
80	655	17.87	19400	2.2	BKF 77 D132S4
90	580	15.84	19200	2.4	BKA 77 D132S4
106	495	13.52	19600	2.7	BKAF 77 D132S4
116	455	12.36	17900	2.2	
132	400	10.84	17400	2.5	
75kW					
60	880	24.00	9720	0.90	
63	830	22.66	10200	0.95	BK 67 D132S4
74	710	19.30	11200	1.05	BKF 67 D132S4
82	645	17.54	11600	1.15	BKA 67 D132S4
94	580	15.19	12100	1.25	BKAF 67 D132S4
108	485	13.22	12500	1.40	
110kW					
115	480	12.48	12600	1.15	BK 67 D132S4
135	390	10.63	12400	1.30	BKF 67 D132S4
148	355	9.66	12200	1.35	BKA 67 D132S4
171	305	8.37	11900	1.45	BKAF 67 D132S4
196	265	7.28	11600	1.55	
150kW					
81	645	17.57	5080	0.85	
94	560	15.22	5210	0.95	
108	485	13.25	5280	1.05	
120	440	11.92	4920	0.95	BK 57 D132S4
127	415	11.26	4850	1.00	BKF 57 D132S4
149	350	9.59	4990	1.15	BKA 57 D132S4
164	320	8.71	4990	1.20	BKAF 57 D132S4
190	275	7.55	4960	1.30	
218	240	6.57	4910	1.45	
220kW					
115	480	12.48	12600	1.15	BK 67 D132S4
135	390	10.63	12400	1.30	BKF 67 D132S4
148	355	9.66	12200	1.35	BKA 67 D132S4
171	305	8.37	11900	1.45	BKAF 67 D132S4
196	265	7.28	11600	1.55	
300kW					
157	480	12.48	12600	1.15	BK 67 D132S4
180	390	10.63	12400	1.30	BKF 67 D132S4
203	355	9.66	12200	1.35	BKA 67 D132S4
226	305	8.37	11900	1.45	BKAF 67 D132S4
259	265	7.28	11600	1.55	
450kW					
218	240	6.57	4910	1.45	
75kW					
1.7	38200	835	190000	1.30	BK 157 R107 D132M4
2.0	33300	729	190000	1.50	BK 157 R107 D132M4
2.3	28400	622	190000	1.75	

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model	
7.5kW						
1.2	55000	1196	181400	0.90	BK BKH	187 R97 D132M
1.4	48000	1046	190000	1.05		
1.5	43400	945	190000	1.15		
1.9	33900	738	190000	1.45		
2.3	28500	621	190000	1.75		
2.7	24100	527	190000	2.1		
11kW						
1.7	38700	843	150000	0.85	BK BKH	167 R97 D132M
1.9	34700	757	150000	0.90		
2.3	29000	632	150000	1.10		
2.5	25700	561	150000	1.25		
3.0	22100	481	150000	1.45		
3.4	19400	423	150000	1.65		
3.9	16900	369	150000	1.90		
15kW						
3.3	19900	434	111200	0.90	BK	157 R97 D132M
3.8	17400	379	112500	1.05	BKF	157 R97 D132M
4.3	15300	333	113500	1.20	BKA	157 R97 D132M
4.9	13300	291	114200	1.35	BKAF	157 R97 D132M
22kW						
4.3	15200	330	75500	0.85	BK BKF BKA BKAF	127 R87 D132M
5.0	13200	287	79100	1.00		
5.6	11600	253	79800	1.10		
6.7	9790	213	80800	1.35		
7.1	9220	200	81000	1.30		
8.6	7640	166	81600	1.55		
9.8	6740	147	81900	1.80		
30kW						
4.4	16400	164.50	150000	1.95	BK	167 D160L8
5.3	13400	134.99	150000	2.4	BKH	167 D160L8
55kW						
5.8	12300	164.50	150000	2.6	BK	167 D160M
7.1	10100	134.99	150000	3.2	BKH	167 D160M
75kW						
6.4	11200	150.41	114900	1.60	BK	157 D160M
7.8	9130	122.39	115500	1.95	BKF	157 D160M
9.6	7480	100.22	115900	2.4	BKA	157 D160M
10	6840	91.55	116000	2.6	BKAF	157 D160M
12	5950	78.75	116200	3.0		
110kW						
7.1	10200	136.14	80600	1.30	BK	127 D160M
7.8	9140	122.48	81000	1.40	BKF	127 D160M
8.7	8220	110.18	81400	1.60	BKA	127 D160M
11	6710	89.89	81800	1.85	BKAF	127 D160M
160kW						
9.8	7320	146.07	81700	1.80	BK BKF BKA BKAF	127 D132M
11	6620	136.14	81800	1.90		
12	6130	122.48	82000	2.1		
13	5520	110.18	82200	2.4		
16	4500	89.89	82400	2.8		
17	4110	81.98	82500	3.2		
20	3550	70.95	82600	3.7		
200kW						
10	7190	143.47	65000	1.10	BK	107 D132M
12	6080	121.48	65000	1.30	BKF	107 D132M
13	5630	112.41	65000	1.40	BKA	107 D132M
					BKAF	107 D132M
280kW						
14	5050	100.75	65000	1.60	BK BKF BKA BKAF	107 D132M
16	4560	90.96	64200	1.75		
17	4140	82.61	63200	1.95		
20	3670	73.30	61900	2.2		
22	3330	66.52	60900	2.4		
25	2860	57.17	59100	2.8		
29	2500	49.90	57500	3.1		
34	2120	42.33	55500	3.5		
38	1850	37.00	53800	3.8		
355kW						
15	4850	98.80	38300	0.80	BK	97 D132M
17	4330	88.82	38300	1.00	BKF	97 D132M
18	3900	77.89	38100	1.10	BKA	97 D132M
20	3530	70.54	37900	1.20	BKAF	97 D132M
23	3130	62.55	37500	1.35		

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
9.2kW					
11	8310	136.14	81300	1.55	BK 127 D132ML4
12	7470	122.48	81600	1.75	BKF 127 D132ML4
13	6720	110.18	8190	1.95	BKA 127 D132ML4
16	5480	89.89	82200	2.4	BKAF 127 D132ML4
18	5000	81.98	82300	2.6	
13	6860	112.41	62400	1.15	BK 167 D132ML4
14	6150	100.75	61800	1.30	BKF 167 D132ML4
16	5550	90.96	61100	1.45	BKA 167 D132ML4
					BKAF 167 D132ML4
17	5040	82.61	60400	1.60	BK 167 D132ML4
20	4470	73.30	59400	1.80	BKF 167 D132ML4
22	4060	66.52	58600	1.95	BKA 167 D132ML4
25	3490	57.17	57100	2.3	BKAF 167 D132ML4
29	3040	49.90	55700	2.6	
34	2580	42.33	54000	2.8	
18	4750	77.88	35100	0.90	BK 97 D132ML4
20	4300	70.54	35100	1.00	BKF 97 D132ML4
23	3820	62.55	35100	1.15	BKA 97 D132ML4
25	3450	56.55	34900	1.25	BKAF 97 D132ML4
30	2920	47.93	34400	1.45	BK 97 D132ML4
34	2550	41.87	34000	1.70	BKF 97 D132ML4
38	2340	38.30	33600	1.85	BKA 97 D132ML4
42	2090	34.23	33100	2.1	BKAF 97 D132ML4
47	1880	30.82	32500	2.3	
52	1700	27.91	32000	2.5	
58	1510	24.75	31300	2.8	
29	3000	49.16	22000	0.90	BK 87 D132ML4
33	2680	44.02	22200	0.95	BKF 87 D132ML4
39	2230	38.52	22200	1.10	BKA 87 D132ML4
46	1910	31.39	22100	1.40	BKAF 87 D132ML4
52	1700	27.88	21900	1.55	BK 87 D132ML4
58	1520	24.92	21700	1.60	BKF 87 D132ML4
64	1370	22.41	21400	1.70	BKA 87 D132ML4
74	1190	19.45	21000	1.95	BKAF 87 D132ML4
83	1060	17.42	20700	2.1	BK 87 D132ML4
90	980	16.00	19700	1.85	BKF 87 D132ML4
100	880	14.45	20000	2.4	BKA 87 D132ML4
115	765	12.56	18500	2.6	BKAF 87 D132ML4
129	680	11.17	18600	2.8	
144	610	10.00	18200	2.5	
62	1410	23.08	16300	1.10	BK 77 D132ML4
71	1240	20.25	17300	1.20	BKF 77 D132ML4
81	1090	17.87	17600	1.35	BKA 77 D132ML4
91	970	15.84	17400	1.45	BKAF 77 D132ML4
107	820	13.52	17000	1.60	BK 77 D132ML4
117	755	12.38	16300	1.70	BKF 77 D132ML4
133	680	10.84	16000	1.85	BKA 77 D132ML4
151	585	9.56	15700	1.80	BKAF 77 D132ML4
170	515	8.48	15400	1.70	
199	440	7.24	14900	1.85	
11.0kW					
1.7	55900	835	179700	0.90	BK 187R107 D160M4
2.0	48900	729	190000	1.05	BKF 187R107 D160M4
2.3	41600	622	190000	1.20	BKA 187R107 D160M4
2.6	34800	520	190000	1.45	BKAF 187R107 D160M4
3.2	30400	454	190000	1.85	
4.1	23800	355	190000	2.1	
2.0	49600	738	190000	1.00	BK 187R97 D160M4
2.3	41700	621	190000	1.20	BKF 187R97 D160M4
2.7	35300	527	190000	1.40	BKA 187R97 D160M4
4.5	21300	318	150000	1.50	BK 167R107 D160M4
5.2	18600	278	150000	1.70	BKF 167R107 D160M4
5.9	16300	244	150000	1.85	BKA 167R107 D160M4
6.8	14200	213	150000	2.2	BKAF 167R107 D160M4
7.0	13700	206	150000	2.3	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
11.0kW					
2.6	37500	561	150000	0.85	BK 167 R97 D160M4
3.0	32300	481	150000	1.00	BKF 167 R97 D160M4
3.4	28300	423	150000	1.15	BKA 167 R97 D160M4
3.9	24700	389	150000	1.30	BKAF 167 R97 D160M4
4.3	22300	339	109700	0.80	BK 157 R97 D160M4
4.9	19500	291	111400	0.90	BKF 157 R97 D160M4
					BKA 157 R97 D160M4
					BKAF 157 R97 D160M4
5.8	14300	213	77400	0.90	BK 127 R87 D160M4
7.2	13500	208	78900	0.90	BKF 127 R87 D160M4
8.7	11200	166	80100	1.10	BKA 127 R87 D160M4
9.8	9850	147	80700	1.20	BKAF 127 R87 D160M4
5.3	19700	134.99	150000	1.60	BK 167 D160L8
6.5	16000	109.83	150000	2.0	BKH 167
5.8	18000	164.50	150000	1.80	BK 167 D160L8
7.3	14800	134.99	150000	2.2	BKH 167
8.8	12000	164.50	150000	2.7	BK 167 D160M4
11	9850	134.99	150000	3.2	BKH 167
5.9	17900	122.39	112300	1.00	BK 157 D160L8
7.2	14800	100.22	113700	1.25	BKF 157 D160L8
7.9	13400	91.65	114200	1.35	BKA 157 D160L8
9.0	11600	79.75	114800	1.55	BKAF 157 D160L8
6.4	16500	150.41	112900	1.10	BK 157 D160L8
7.8	13400	122.38	114200	1.35	BKF 157 D160L8
9.6	11000	100.22	115000	1.65	BKA 157 D160L8
10	10000	91.65	115300	1.80	BKAF 157 D160L8
12	8730	79.75	115600	2.1	
9.6	11000	150.41	115000	1.65	BK 157 D160M4
12	8930	122.39	115600	2.0	BKF 157 D160M4
14	7310	100.22	115900	2.5	BKA 157 D160M4
16	6690	91.65	116000	2.7	BKAF 157 D160M4
11	9930	136.14	80700	1.30	BK 127 D160M4
12	8930	122.48	81100	1.45	BKF 127 D160M4
13	8040	110.18	81400	1.60	BKA 127 D160M4
16	6560	89.89	81900	2.0	BKAF 127 D160M4
18	5960	81.98	82100	2.2	
20	5180	70.55	82300	2.5	
13	8200	112.41	58400	1.00	BK 167 D160M4
14	7350	100.75	58300	1.10	BKF 167 D160M4
16	6630	90.96	58000	1.20	BKA 167 D160M4
17	6030	82.61	57500	1.35	BKAF 167 D160M4
20	5350	73.30	56900	1.50	BK 167 D160M4
22	4850	66.52	56200	1.65	BKF 167 D160M4
25	4170	57.17	55100	1.80	BKA 167 D160M4
29	3640	49.90	54000	2.2	BKAF 167 D160M4
34	3090	42.33	52500	2.4	
39	2700	37.60	51200	2.7	
20	5150	70.54	32200	0.85	BK 97 D160M4
23	4560	62.55	32500	0.95	BKF 97 D160M4
25	4130	56.55	32500	1.05	BKA 97 D160M4
30	3500	47.93	32500	1.25	BKAF 97 D160M4
34	3050	41.87	32200	1.40	BK 97 D160M4
38	2790	38.30	32000	1.55	BKF 97 D160M4
42	2500	34.23	31600	1.70	BKA 97 D160M4
47	2250	30.82	31300	1.90	BKAF 97 D160M4
52	2040	27.91	30800	2.1	
58	1800	24.75	30300	2.4	
64	1630	22.37	29800	2.6	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
11.0kW							
33	3210	44.02	20000	0.80	BK	87	D160M4
39	2660	36.52	20400	0.95	BKF	87	D160M4
48	2290	31.39	20800	1.20	BKA	87	D160M4
52	2030	27.88	20600	1.30	BKAF	87	D160M4
58	1820	24.92	20500	1.40			
64	1630	22.41	20300	1.40			
74	1420	19.45	20100	1.60			
83	1270	17.42	19800	1.75	BK	87	D160M4
90	1170	16.00	18800	1.55	BKF	87	D160M4
100	1050	14.45	19400	2.0	BKA	87	D160M4
115	920	12.56	18900	2.2	BKAF	87	D160M4
129	810	11.17	18000	1.85			
144	730	10.00	17700	2.1			
174	605	8.29	17100	2.3			
200	525	7.21	16700	2.5			
62	1680	23.08	14400	0.90			
71	1480	20.25	15600	1.00			
81	1300	17.87	16600	1.10	BK	77	D160M4
91	1180	15.84	16500	1.20	BKF	77	D160M4
107	990	13.52	16300	1.35	BKA	77	D160M4
117	900	12.38	15500	1.10	BKAF	77	D160M4
133	790	10.84	15300	1.25			
151	700	9.56	15100	1.35			
170	620	8.48	14800	1.45			
199	530	7.24	14500	1.55			
15.0kW							
2.3	56100	622	179400	0.90			
2.8	47000	520	190000	1.05	BK	187 R107	D160L4
3.2	41000	454	190000	1.20	BKH	187 R107	D160L4
4.1	32100	355	190000	1.55			
5.6	23600	261	190000	2.1			
4.6	28700	318	150000	1.10			
5.3	25000	278	150000	1.30			
6.0	22000	244	150000	1.45	BK	167 R107	D160L4
6.8	19200	213	150000	1.65	BKH	167 R107	D160L4
7.1	18500	206	150000	1.75			
8.1	16200	180	150000	1.95			
9.1	14400	160	150000	2.2			
6.3	20700	230	110700	0.85			
6.9	18200	213	116900	0.95	BK	157 R107	D160L4
7.8	16800	187	112800	1.05	BKF	157 R107	D160L4
9.3	14200	157	113900	1.25	BKA	157 R107	D160L4
12	11000	122	115900	1.65	BKAF	157 R107	D160L4
14	9630	107	115400	1.85			
5.4	26800	179.88	190000	1.90	BK	187	D180L6
5.9	24400	165.21	190000	2.0	BKH	187	D180L6
7.2	19900	134.99	150000	1.00	BK	167	D180L6
8.8	16200	109.83	150000	1.95	BKH	167	D180L6
9.9	16100	164.50	150000	2.0	BK	167	D160L4
11	13200	134.99	150000	2.4	BKH	167	D160L4
7.9	18100	122.39	112200	1.00			
9.7	14800	100.22	113700	1.20	BK	157	D180L6
11	13500	91.65	114100	1.35	BKF	157	D180L6
12	11800	79.75	114800	1.55	BKA	157	D180L6
14	10400	70.38	115200	1.75	BKAF	157	D180L6
9.7	14800	150.41	113700	1.20	BK	157	D180L4
12	12000	122.39	114700	1.50	BKF	157	D160L4
15	9830	100.22	114200	1.85	BKA	157	D160L4
18	8890	91.65	112500	2.0	BKAF	157	D160L4
18	7820	79.75	109600	2.3			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
18.5kW					
8.1	21700	179.86	190000	2.3	BK BKH 187 R107 D180L4
8.9	19800	165.21	190000	2.5	
10	17400	144.59	190000	2.9	
11	15600	129.69	190000	3.2	
11	18300	134.99	150000	1.95	BK BKH 167 D180M4
13	13200	109.83	150000	2.4	
17	10600	87.86	150000	3.0	
9.7	18300	100.22	112100	1.00	BK BKF 157 D200LS6 BKA 157 D200LS6 BKAF 157 D200LS6
11	16700	91.65	112900	1.10	
12	14500	79.75	111500	1.25	
14	12600	70.38	109900	1.40	
12	14800	122.39	111600	1.20	BK BKF 157 D180M4 BKA 157 D180M4 BKAF 157 D180M4
15	12100	100.22	109100	1.50	
18	11100	91.65	107800	1.65	
18	9620	79.75	105600	1.85	
21	8480	70.38	103400	2.1	
24	7360	61.02	100700	2.5	
27	6550	54.29	98500	2.8	
31	5640	46.79	95500	3.2	
39	4580	38.02	91300	3.9	
13	13300	110.18	79000	1.00	BK BKF 127 D180M4 BKA 127 D180M4 BKAF 127 D180M4
16	10800	89.89	79000	1.20	
18	9890	81.98	78500	1.30	
21	8580	70.95	77500	1.50	BK BKF 127 D180M4 BKA 127 D180M4 BKAF 127 D180M4
23	7550	62.60	76400	1.70	
27	6520	54.07	74800	2.0	
31	5770	47.82	73400	2.2	
36	4850	40.19	71300	2.7	
40	4370	36.25	69900	3.0	
47	3780	31.37	68000	3.4	
53	3340	27.66	66200	3.9	
20	8640	73.30	46300	0.90	BK BKF 107 D180M4 BKA 107 D180M4 BKAF 107 D180M4
22	8020	66.52	46800	1.00	
26	6890	57.17	46800	1.15	
29	6020	49.90	46700	1.30	
35	5100	42.33	46300	1.45	BK BKF 107 D180M4 BKA 107 D180M4 BKAF 107 D180M4
40	4480	37.00	45700	1.60	
45	3940	32.69	45100	1.85	
47	3770	31.28	44900	1.80	
51	3500	29.00	44400	2.1	
56	3170	26.32	43800	2.3	
65	2730	22.62	42700	2.6	
74	2380	19.74	41700	3.0	
88	2020	16.75	40400	3.5	
35	5050	41.87	25100	0.85	BK BKF 97 D180M4 BKA 97 D180M4 BKAF 97 D180M4
48	3720	30.82	26000	1.15	
53	3360	27.91	26000	1.30	
58	2980	24.75	26000	1.45	
65	2700	22.37	25900	1.60	BK BKF 97 D180M4 BKA 97 D180M4 BKAF 97 D180M4
77	2280	18.96	25700	1.90	
88	2000	16.56	25300	2.2	
106	1870	13.85	24800	2.6	
122	1450	11.99	24300	2.7	
59	3000	24.92	15800	0.85	BK BKF 87 D180M4 BKA 87 D180M4 BKAF 87 D180M4
65	2700	22.41	15900	0.85	
75	2340	19.45	16200	1.00	
84	2100	17.42	16400	1.05	
101	1740	14.45	16500	1.20	
117	1510	12.96	16400	1.30	
131	1350	11.17	15400	1.10	
147	1210	10.00	15300	1.25	
177	1000	8.29	15100	1.40	
203	870	7.21	14900	1.50	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model
22kW					
3.2	60000	454	172300	0.85	BK BKH 187 R107 D180L4
4.1	47000	355	190000	1.05	
5.6	34500	261	190000	1.45	
6.8	29300	221	190000	1.70	
7.6	25600	193	190000	1.95	
8.9	21600	163	190000	2.3	
5.3	38700	278	150000	0.85	BK BKH 167 R107 D180L4
6.0	32200	244	150000	1.00	
6.9	28200	213	150000	1.15	
7.1	27200	206	150000	1.20	
8.1	23800	180	150000	1.35	
9.2	21100	169	150000	1.50	
11	17900	135	150000	1.80	
12	15900	118	150000	2.0	
9.3	20800	157	109800	0.85	BK BKF 157 R107 D180L4 BKA 157 R107 D180L4 BKAF 157 R107 D180L4
12	16200	122	108600	1.10	
14	14100	107	107300	1.25	
5.4	39000	179.86	190000	1.30	BK BKH 187 D200L6
5.9	35800	165.21	190000	1.40	
6.7	31300	144.59	190000	1.60	
7.5	28100	129.69	190000	1.80	
8.8	24400	112.60	190000	2.0	
8.1	25800	179.86	190000	1.95	BK BKH 187 D180L4
8.9	23700	165.21	190000	2.1	
10	20700	144.59	190000	2.4	
11	18600	129.69	190000	2.7	
11	19400	134.99	150000	1.65	BK BKH 167 D180L4
13	15700	109.83	150000	2.0	
17	12600	87.86	150000	2.5	
19	11200	78.14	150000	2.9	
9.7	21700	100.22	105900	0.85	BK BKF 157 D200L6 BKA 157 D200L6 BKAF 157 D200L6
11	19900	91.65	105900	0.90	
12	17300	79.75	105500	1.00	
14	15200	70.38	104800	1.20	
16	13200	61.02	103300	1.35	BK BKF 157 D180L4 BKA 157 D180L4 BKAF 157 D180L4
12	17800	122.39	105500	1.05	
15	14400	100.22	104100	1.25	
16	13100	91.65	103200	1.35	
18	11400	79.75	101600	1.55	
21	10100	70.38	99800	1.80	
24	8750	61.02	97700	2.1	
27	7790	54.29	95800	2.3	
31	6710	46.79	93200	2.7	
39	5450	38.02	89400	3.3	
18	12900	89.89	73900	1.00	BK BKF 127 D180L4 BKA 127 D180L4 BKAF 127 D180L4
18	11800	81.98	73800	1.10	
21	10200	70.95	73400	1.30	
23	8980	62.60	72800	1.45	
27	7750	54.07	71700	1.70	BK BKF 127 D180L4 BKA 127 D180L4 BKAF 127 D180L4
31	6860	47.82	70700	1.90	
36	5780	40.19	69000	2.3	
40	5200	36.25	67800	2.5	
47	4500	31.37	66200	2.9	
53	3970	27.66	64600	3.3	
61	3430	23.91	62800	3.8	
69	3030	21.15	61200	4.3	
26	8200	57.17	43000	1.00	BK BKF 107 D180L4 BKA 107 D180L4 BKAF 107 D180L4
29	7160	49.80	43300	1.10	
35	6070	42.33	43400	1.20	

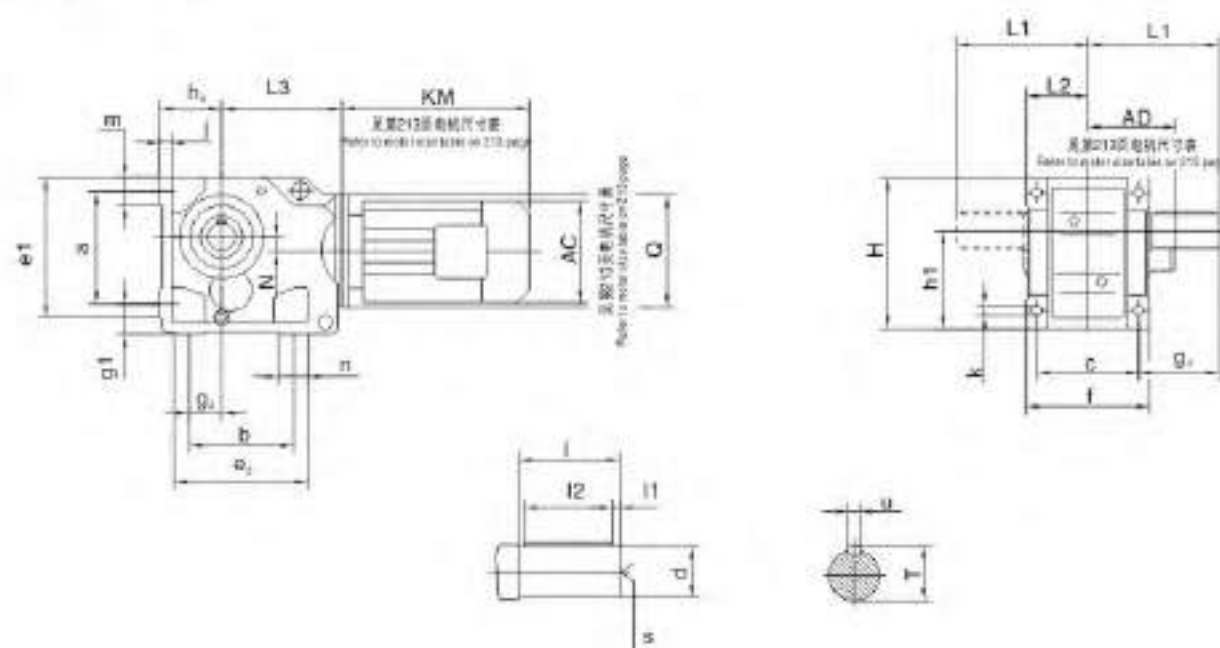
输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overload F_{ov} [N]	使用 系数 Service factor f_s	型号 Model		
22kW							
40	5310	37.00	43200	1.35	BK BKF BKA BKAF	107	D180L4 D180L4 D180L4 D180L4
45	4690	32.69	42900	1.55			
47	4490	31.28	42600	1.50			
51	4160	29.00	42500	1.75			
56	3770	26.32	42000	1.90			
65	3240	22.62	41200	2.2			
74	2830	19.74	40400	2.5			
88	2400	16.75	39300	2.8			
100	2100	14.64	38400	3.3			
109	1930	13.43	38800	2.2			
125	1680	11.73	35900	2.6	BK BKF BKA BKAF	97	D180L4 D180L4 D180L4 D180L4
147	1430	9.94	34800	2.9			
48	4420	30.82	23600	0.95			
53	4000	27.91	23800	1.05			
59	3550	24.75	24100	1.20			
65	3210	22.37	24200	1.35			
77	2720	18.96	24100	1.60			
88	2370	16.56	24000	1.80			
108	1990	13.85	23700	2.2			
122	1720	11.99	23300	2.3			
141	1490	10.41	21800	1.90	BK BKF BKA BKAF	97	D180L4 D180L4 D180L4 D180L4
168	1250	8.71	21900	2.1			
75	2790	19.45	14400	0.80			
84	2500	17.42	14800	0.90			
101	2070	14.45	15100	1.00			
117	1800	12.56	15300	1.10			
131	1600	11.17	14200	0.95			
147	1430	10.00	14200	1.05			
177	1190	8.29	14300	1.20			
203	1030	7.21	14200	1.25			
30kW							
5.6	47000	261	190000	1.05	BK BKH	187 R107 187 R107	D200L4 D200L4
6.6	38800	221	190000	1.25			
7.6	34800	193	190000	1.45			
9.0	29400	163	190000	1.70			
6.9	38300	213	150000	0.85	BK BKH	167 R107 167 R107	D200L4 D200L4
7.1	37000	206	150000	0.85			
8.1	32400	180	150000	1.00			
9.2	28700	160	150000	1.10			
11	24400	135	150000	1.30			
12	21300	118	150000	1.50			
8.2	35100	179.86	190000	1.45	BK BKH	187 187	D200L4 D200L4
8.9	32200	165.21	190000	1.55			
10	28200	144.59	190000	1.75			
11	25300	129.69	190000	2.0			
13	21900	112.60	190000	2.3			
14	19900	102.16	190000	2.5			
17	17200	88.00	190000	2.9			
13	21400	109.83	150000	1.50	BK BKH	167 167	D200L4 D200L4
17	17100	87.86	150000	1.85			
19	15200	78.14	150000	2.1			
22	13300	68.07	150000	2.4			
24	11800	60.74	150000	2.7			
15	19500	100.22	92700	0.90	BK BKF BKA BKAF	157	D200L4 D200L4 D200L4 D200L4
16	17900	91.65	92800	1.00			
18	15500	79.75	92400	1.15			
21	13700	70.38	91800	1.30			
24	11900	61.02	90700	1.50			
27	10600	54.29	89500	1.70			
31	9120	46.79	87800	1.95			
39	7410	38.02	85100	2.4			
47	6100	31.30	82200	3.0			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
37kW					
41	8710	36.25	59000	1.50	BK 127 D225S4
47	7540	31.37	58500	1.70	
53	6650	27.68	57800	1.95	
62	5740	23.91	56900	2.3	
70	5080	21.15	56000	2.8	
83	4270	17.77	54500	3.0	
102	3450	14.35	52500	3.5	
115	3070	12.79	50200	2.8	
137	2580	10.74	48600	3.1	
169	2090	8.68	46900	3.5	
40	8890	37.00	29000	0.80	BK 107 D225S4
47	7520	31.28	33000	0.90	
51	6870	29.00	34200	1.05	
56	6320	28.32	34500	1.15	
65	5440	22.62	34700	1.30	
74	4740	19.74	34700	1.50	
88	4020	16.75	34500	1.75	
100	3520	14.64	34200	1.95	
109	3230	13.43	32300	1.35	
126	2820	11.73	32000	1.55	
148	2390	9.94	31400	1.75	BKAF 107 D225S4
169	2090	8.69	30900	1.95	
6.6	59800	221	172500	0.85	BK 187 R107 D225M4
7.6	52300	193	166100	1.05	
9.0	44200	163	160000	1.15	
11	36600	135	150000	0.85	BK 187 R107 D225M4
12	32000	118	150000	1.00	
8.2	52600	179.86	185500	0.95	BK 187 D225M4
8.9	48000	165.21	180000	1.05	
10	42300	144.59	190000	1.20	
11	37900	129.69	190000	1.30	
13	32900	112.60	190000	1.50	
14	29900	102.18	190000	1.85	
17	25700	88.00	190000	1.95	
20	21600	73.96	187700	2.3	
13	32100	109.83	150000	1.00	BK 167 D225M4
17	25700	87.96	150000	1.25	
19	22800	78.14	150000	1.40	
22	19900	68.07	150000	1.60	
24	17800	60.74	149000	1.80	
28	15100	51.77	145600	2.1	
34	12500	42.89	140600	2.5	
21	20600	70.38	76800	0.85	BK 157 D225M4
24	17800	61.02	77700	1.00	
27	15900	54.29	77900	1.15	
31	13700	46.79	77800	1.30	
39	11100	38.02	76900	1.60	
47	9150	31.30	75500	1.95	
53	8080	27.62	74300	2.2	
61	7000	23.95	72800	2.8	
69	6230	21.31	71500	2.9	
80	5370	18.37	69700	3.3	
31	14000	47.82	52800	0.95	BK 127 D225M4
37	11700	40.19	53900	1.10	
41	10600	36.25	54200	1.25	
47	9170	31.37	54400	1.40	BK 127 D225M4
53	8090	27.68	54200	1.60	
62	6990	23.91	53800	1.85	
70	6180	21.15	53200	2.1	
83	5190	17.77	52200	2.5	
102	4180	14.35	50700	2.9	
115	3740	12.79	48300	2.3	
137	3140	10.74	47000	2.5	
169	2540	8.68	45300	2.8	

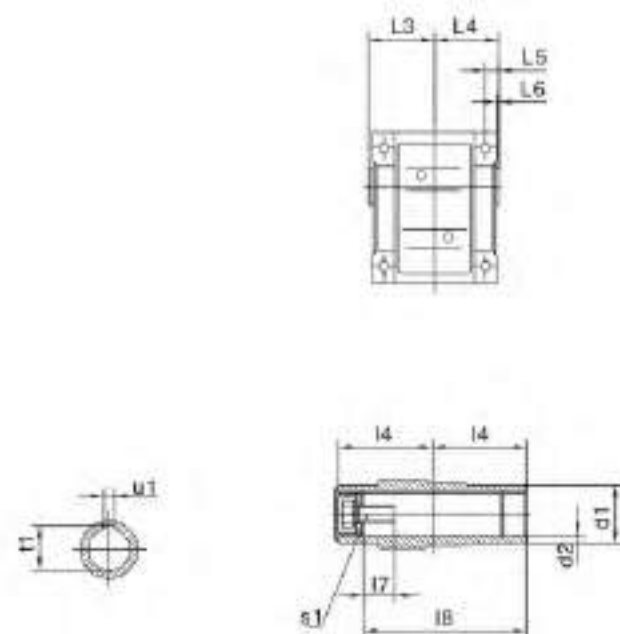
输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
45kW					
51	8480	29.00	25600	0.85	BK 167 D225M4
56	7690	26.32	28300	0.95	BKF 167 D225M4
65	6610	22.62	31000	1.10	BKA 167 D225M4
74	5770	19.74	31700	1.25	BKAF 167 D225M4
88	4890	16.75	31900	1.45	BK 167 D225M4
100	4280	14.64	31900	1.60	
109	3930	13.43	29900	1.10	
125	3430	11.73	29900	1.25	
148	2910	9.94	29600	1.45	
169	2540	8.89	29300	1.60	
55kW					
10	51500	144.59	187400	0.95	BK BKH 187 D250M4
11	46200	129.69	190000	1.10	
13	40100	112.60	188500	1.25	
14	36400	102.18	187100	1.35	
17	31300	88.00	184200	1.60	
20	26300	73.96	180200	1.90	
23	22800	64.04	178300	2.2	
17	31300	87.88	145300	1.00	BK BKH 167 D250M4
19	27800	78.14	144600	1.15	
22	24200	68.07	143300	1.30	
24	21600	60.74	141700	1.50	
28	18400	51.77	139100	1.75	
34	15300	42.89	135400	2.1	
40	13000	36.61	131900	2.5	
24	21700	81.02	69000	0.85	BK BKF BKA BKAF 157 D250M4
27	19300	54.29	70200	0.95	
32	16700	46.79	71200	1.10	
39	13500	38.02	71500	1.35	
47	11100	31.30	71600	1.60	
53	9640	27.62	70400	1.85	
62	8530	23.95	69400	2.1	
69	7590	21.31	68400	2.4	
80	6540	18.37	67000	2.8	
99	5310	14.92	64800	3.4	
117	4510	12.65	62900	3.8	
37	14300	40.19	47400	0.90	BK 127 D250M4
47	11200	31.37	49300	1.15	BKF 127 D250M4
53	9850	27.68	49700	1.30	BKA 127 D250M4
					BKAF 127 D250M4
62	8510	23.91	49900	1.55	BK BKF BKA BKAF 127 D250M4
70	7530	21.15	49800	1.75	
83	6330	17.77	49300	2.0	
103	5110	14.35	48300	2.4	
115	4550	12.79	45900	1.85	
137	3830	10.74	45000	2.1	
170	3090	8.68	43600	2.3	
75kW					
11	62800	129.69	164100	0.80	BK BKH 187 D280S4
13	54500	112.60	166100	0.90	
14	49400	102.15	166600	1.00	
17	42800	88.00	168600	1.15	
20	35800	73.96	165300	1.40	
23	31000	64.04	163400	1.60	
28	25800	53.38	160100	1.95	
33	22000	45.60	156700	2.3	
19	37800	78.14	126100	0.85	BK BKH 167 D280S4
22	32900	68.07	127100	0.95	
24	29400	60.74	127300	1.10	
29	25100	51.77	126800	1.30	
35	20800	42.89	125200	1.55	
40	17700	36.61	123200	1.80	
45	15500	32.25	121300	2.0	
51	13900	28.77	119300	2.3	
60	11900	24.52	116300	2.7	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model	
75kW						
39	18400	38.02	60600	1.00	BK BKF BKA BKAF	157 D280S4
47	15100	31.30	62200	1.20		157 D280S4
54	13400	27.62	62600	1.35		157 D280S4
62	11600	23.95	62600	1.55		157 D280S4
69	10300	21.31	62400	1.75		157 D280S4
81	8890	18.37	61800	2.0		157 D280S4
99	7220	14.92	60600	2.5		
117	6120	12.65	59300	2.8		
47	15200	31.37	39200	0.85	BK BKF BKA BKAF	127 D280S4
53	13400	27.68	40800	0.95		127 D280S4
62	11600	23.91	42200	1.10		127 D280S4
70	10200	21.15	42900	1.25		127 D280S4
83	8800	17.77	43500	1.50		127 D280S4
103	6940	14.35	43700	1.75		127 D280S4
116	6190	12.79	41100	1.40		
138	5200	10.74	41000	1.55		
171	4200	8.68	40400	1.70		
90kW						
14	59300	102.15	151300	0.85	BK BKH	187 D280M4
17	51100	88.00	153400	1.00		187 D280M4
20	42900	73.96	154200	1.15		
23	37200	64.04	153800	1.35		
28	31000	53.38	152200	1.60		
33	26400	45.60	149900	1.90		
35	24700	42.51	148700	2.0		
38	22400	38.57	146900	2.2		
22	39500	68.07	115100	0.80	BK BKH	167 D280M4
24	35300	60.74	116600	0.90		167 D280M4
29	30100	51.77	117600	1.05		
35	24900	42.89	117600	1.30		
40	21300	36.61	116700	1.50		
46	18700	32.25	115500	1.70		
51	16700	28.77	114200	1.90		
60	14200	24.52	111900	2.2		
73	11800	20.32	108600	2.7		
85	10100	17.34	108000	3.2		
39	22100	38.02	52700	0.80	BK BKF BKA BKAF	157 D280M4
47	18200	31.30	55500	1.00		157 D280M4
54	16000	27.62	56700	1.10		157 D280M4
62	13900	23.95	57500	1.30		157 D280M4
69	12400	21.31	57900	1.45		157 D280M4
81	10700	18.37	57900	1.70		157 D280M4
99	8670	14.92	57400	2.1		
117	7350	12.65	56600	2.3		
62	13900	23.91	36400	0.85	BK BKF BKA BKAF	127 D280M4
70	12300	21.15	37800	1.05		127 D280M4
83	10300	17.77	39200	1.25		127 D280M4
103	8330	14.35	40200	1.45		127 D280M4
116	7420	12.79	37600	1.15		127 D280M4
138	6240	10.74	38000	1.30		
171	5040	8.68	38000	1.45		
110kW						
17	62300	88.00	136000	0.80	BK BKH	187 D315S4
20	52300	73.96	139500	0.95		187 D315S4
23	45300	64.04	141000	1.10		
28	37700	53.38	141500	1.30		
33	32200	45.60	140800	1.55		
35	30100	42.51	140200	1.65		
39	27300	38.57	139100	1.85		
45	23500	33.23	137000	2.1		
53	19800	27.92	134000	2.5		
29	36800	51.77	105500	0.85	BK BKH	167 D315S4
35	30300	42.89	107500	1.05		167 D315S4
41	26900	36.61	108100	1.25		
46	22800	32.25	107900	1.40		
52	20400	28.77	107400	1.55		
61	17300	24.52	106100	1.85		
73	14400	20.32	104000	2.2		
86	12300	17.34	101800	2.6		

BK37..~BK157..



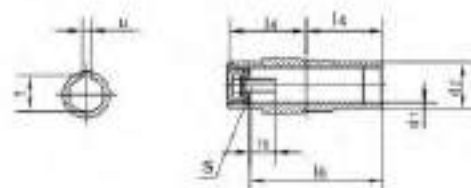
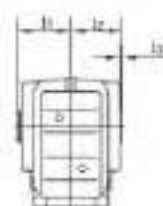
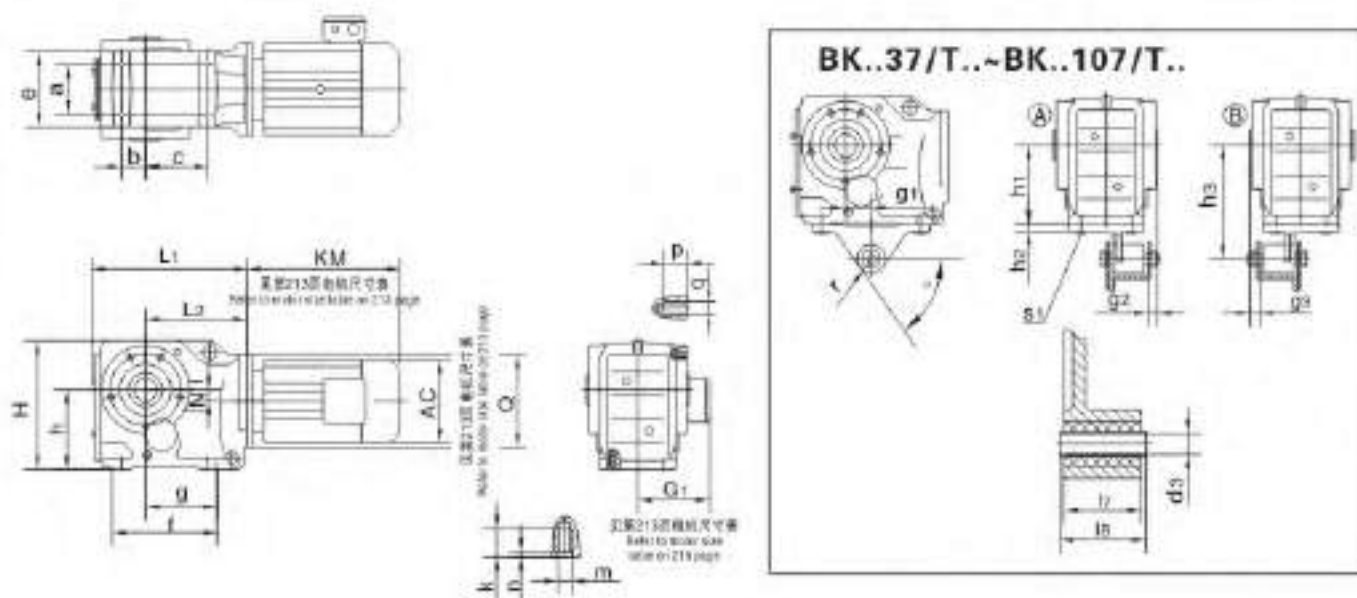
BKA37B..~BKA157B..



型号 size	a b c	b1 b2 f	g1 g2 g3	h1 h2	j	k	m n	轴伸尺寸 Shaft dimension				
								d	l	l1 l2	S	l u
BK37..	115 110 100	150 143 120	32 28 80	100-0.5 63-0.5	16	11	37 38	25x6	50	5 40	M10	28 8
BK47.. BKA47B..	130 130 120	170 162 145	37 35 75	112-0.5 71-0.5	18	11	37 32	30x6	60	3.5 50	M10	33 8
BK57.. BKA57B..	150 130 130	190 172 157	45 30 88	132-0.5 86-0.5	21	13.5	43 40	35x6	70	7 56	M12	38 10
BK67.. BKA67B..	180 120 140	203 170 170	45 30 101	140-0.5 96-0.5	24	13.5	43 45	40x6	80	5 70	M16	43 12
BK77.. BKA77B..	200 150 165	263 208 200	55 40 123.5	180-0.5 112-0.5	27	17.5	55 55	50x6	100	10 80	M16	53.5 14
BK87.. BKA87B..	233 180 180	305 260 230	70 55 150	212-0.5 132-0.5	32	22	67 75	60m6	120	5 110	M20	64 18
BK97.. BKA97B..	295 240 240	372 294 290	75 75 171	265-1 160-0.5	38	26	82 60	70m6	140	7.5 125	M20	74.5 20
BK107.. BKA107B..	360 280 270	448 380 340	95 95 212	315-1 200-0.5	40	33	98 100	90m6	170	5 160	M24	95 25
BK127.. BKA127B..	420 350 330	526 440 400	110 115 253	375-1 225-0.5	45	39	111 100	110m6	210	15 180	M24	116 28
BK157.. BKA157B..	500 380 420	634 480 500	130 140 247	450-1 280-1	50	39	130 100	120m6	210	5 200	M24	127 32

型号 size	空心轴尺寸 hollow shaft dimension							H	L1 L2	L3	N	Q
	d1	d2	l3 l4	l5 l6	l7 l8	s1	l1 u1					
BK37..	-	-	-	-	-	-	-	165	110 60	139	8.5	120
BK47.. BKA47B..	35 ^{H7}	50	78 75	15 3	22 132	M12x30	38.3 10	185	135 72	166	7.2	160
BK57.. BKA57B..	40 ^{H7}	55	86 83	18 3	29 142	M16x40	43.3 12	217	153 80	173	13.1	160
BK67.. BKA67B..	40 ^{H7}	55	93 90	20 3.5	29 156	M16x40	43.3 12	228	171 86.5	179	20	160
BK77.. BKA77B..	50 ^{H7}	70	108 105	22.5 4	32 183	M16x45	53.8 14	288	208 101	202	31.3	200
BK87.. BKA87B..	60 ^{H7}	85	123 120	30 4	36 210	M20x50	64.4 18	340	240 118	257	25.9	250
BK97.. BKA97B..	70 ^{H7}	95	153 150	30 4	34 270	M20x50	74.9 20	417	291 146	277	32.3	300
BK107.. BKA107B..	90 ^{H7}	118	178 175	40 2.5	40 313	M24x60	95.4 25	503	347 175	341	52	350
BK127.. BKA127B..	100 ^{H7}	135	208 205	40 2.5	38 373	M24x60	108.4 28	592	418 203	390	53	450
BK157.. BKA157B..	120 ^{H7}	155	253 250	40	36 460	M24x60	127.4 32	705	457 250	426	71.7	550

BKA37...~BKA107...

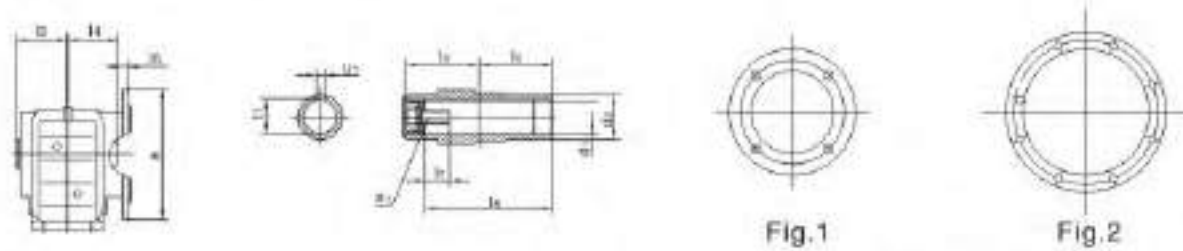


型号 size	a b c	e f g	h	k m n	p q	空心轴尺寸 Hollow shaft dimension				扭矩臂尺寸 Torque arm form				H L1 L2	N Q
						d1 d2	l1 l2 l3	l4 l5 l6	s t u	g1 g2 g3	h1 h2 h3	d3 l7 l8	r R1 R2		
BKA37.. BK..37/T..	60 35 82	100 147 97	100-0.3	20 M10 4	12 M8	30 ^{H7} 45	63 60 2.5	60 17 105	M10 33.3 8	23.5 20 20	100-0.3 10 140-0.3	10.4±0.1 31 36-0.3	22.5 M10x25 60°	164 210 139	8.5 120
BKA47.. BK..47/T..	70 40 100	110 170 115	112-0.5	20 M10 4	12 M8	35 ^{H7} 50	76 75 3	75 22 132	M12 38.3 10	30 20 20	112-0.5 12 160-0.3	10.4±0.1 31 36-0.3	22.5 M10x30 55°	185 243 166	7.2 160
BKA57.. BK..57/T..	88 47 105	122 182 120	132-0.5	25 M12 5	20 M12	40 ^{H7} 55	86 83 3	83 29 142	M16 43.3 12	40 18 18	132-0.5 13 192-0.3	16.4±0.08 54 60-0.3	29 M12x35 55°	215 269 173	13.1 160
BKA67.. BK..67/T..	88 42 110	130 182 125	140-0.5	25 M12 5	20 M12	40 ^{H7} 55	94 90 3.5	90 29 156	M16 43.3 12	45 25 25	140-0.5 13 200-0.3	16.4±0.08 54 60-0.3	29 M12x35 55°	226 274 179	20 160
BKA77.. BK..77/T..	102 48 122	154 204 139	180-0.5	32 M16 6	20 M12	50 ^{H7} 70	108 105 4	105 32 186	M16 53.8 14	52.5 25 25	180-0.5 14 250-0.3	16.4±0.08 54 60-0.3	29 M16x40 60°	286 312 202	31.3 200
BKA87.. BK..87/T..	118 65 160	170 280 190	212-0.5	32 M16 6	26 M16	60 ^{H7} 85	123 120 4	120 36 210	M20 64.4 18	60 30 30	212-0.5 16 300-0.3	25±0.08 72 80-0.3	41 M16x45 60°	338 390 257	25.9 250
BKA97.. BK..97/T..	160 83 165	226 298 190	265-1	36 M20 6	26 M16	70 ^{H7} 95	153 150 4	150 34 270	M20 74.9 20	70 40 40	265-1 17 350-0.3	25±0.08 92 100-0.3	41 M20x50 50°	414 435 277	32.3 300
BKA107.. BK..107/T..	190 100 190	266 370 230	315-1	44 M24 8	-	90 ^{H7} 118	178 175 2.5	175 40 313	M24 95.4 25	74 45 45	315-1 20 450-0.5	25±0.08 92 100-0.3	41 M24x60 55°	500 537 341	52 350

BKF37..~BKF157..



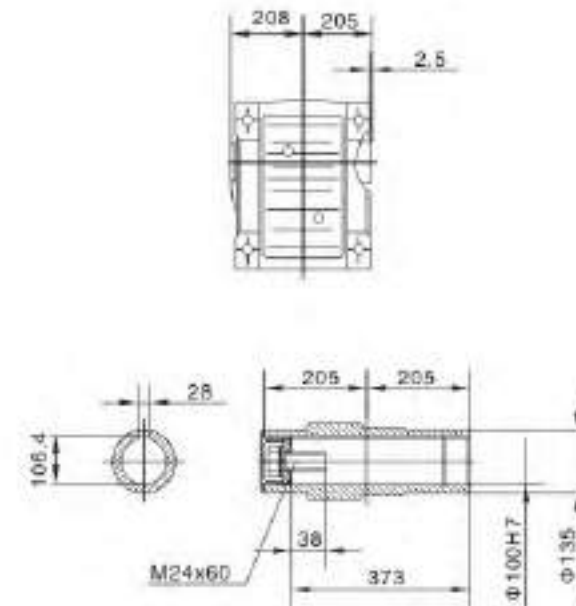
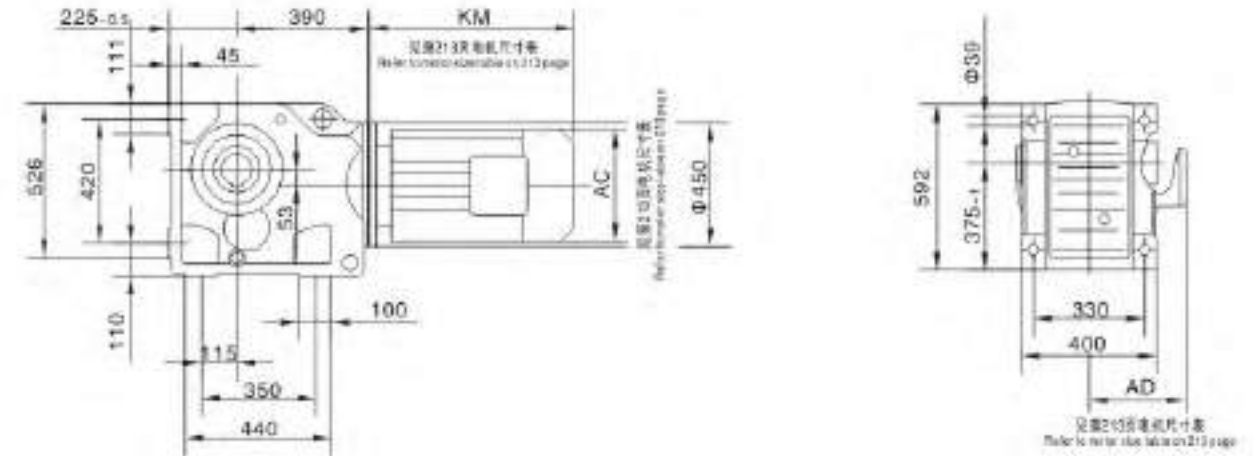
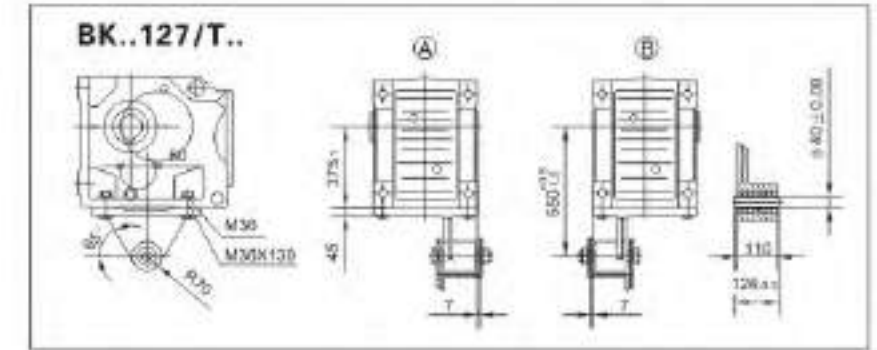
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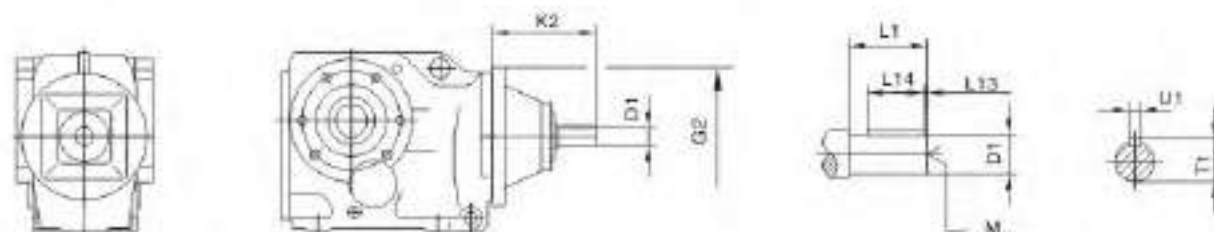
法兰型式
Flange form

型号 model	法兰 型式 Flange form	B b	C c	I D h	轴伸尺寸 Shaft dimension				空心轴尺寸 Hollow shaft dimension				H	L1 L2 L3	L4 N O
					d l	lt lz	s u	t u	d1 dz	ls l4	le l7	st u1			
BKF37.. BKAF37..	Fig.1	160 110j6	3.5 10	130 100	25k6 50	5 40	M10 8	28 45	30H7 45	63 24	80 105	M10×25 8	164	57.5 134 210	139 8.5 120
BKF47.. BKAF47..	Fig.1	200 130j6	3.5 10	165 112	30k6 60	3.5 50	M10 8	33 50	35H7 50	78 25	75 132	M12×30 10	185	72 160 243	166 7.2 160
BKF57.. BKAF57..	Fig.1	250 180j6	4 15	215 132	35k6 70	7 56	M12 10	38 55	40H7 55	88 23.5	83 142	M16×40 12	215	80 177 269	173 13.1 160
BKF67.. BKAF67..	Fig.1	250 180j6	4 15	215 140	40k6 80	5 70	M16 12	43 55	40H7 55	94 23	90 156	M16×40 12	226	86.5 193 274	179 20 160
BKF77.. BKAF77..	Fig.1	300 230j6	4 16	285 180	50k6 100	80 10	M16 14	53.5 70	50H7 70	108 32	105 183	M16×45 14	286	101 242 312	202 31.3 200
BKF87.. BKAF87..	Fig.1	350 250h6	5 18	300 212	60m6 120	5 110	M20 18	64 85	60H7 85	123 30	120 210	M20×50 18	338	138 270 390	257 25.9 250
BKF97.. BKAF97..	Fig.2	450 350h6	5 22	400 285	70m6 140	7.5 125	M20 20	74.5 95	70H7 95	153 41.5	150 270	M20×50 20	414	171 332 435	277 32.3 300
BKF107.. BKAF107..	Fig.2	450 350h6	5 25	400 315	90m6 170	5 160	M24 25	95 118	90H7 118	178 41	175 313	M24×60 25	500	175 386 537	341 52 350
BKF127.. BKAF127..	Fig.2	550 450h6	5 22	500 375-1	110m6 210	15 180	M24 28	118 135	100H7 135	208 51	205 373	M24×60 28	592	203 468 615	390 53 450
BKF157.. BKAF157..	Fig.2	660 550h6	6 28	600 450-1	120m6 210	5 200	M24 32	127 155	120H7 155	253 60	250 460	M24×60 32	705	253 520 706	705 71.7 550

BKA127..

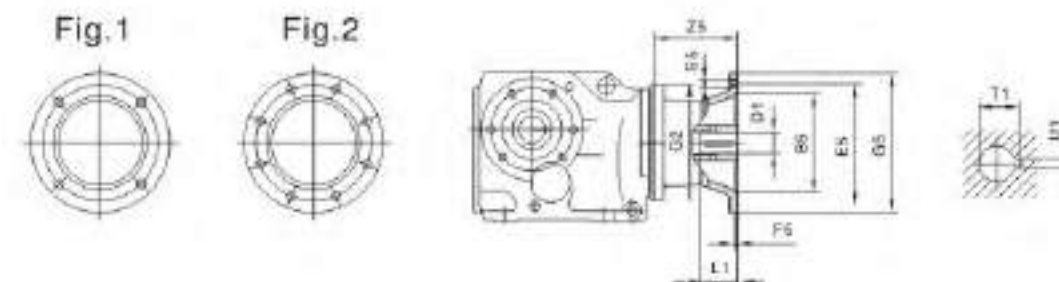


BK..AD..



减速箱规格 Gear unit type	联接盘规格 Motor adaptor	G2	K2	D1	L1	L13	L14	T1	U1	M
BK..37	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	8	M6
BK..47 BK..57 BK..67	AD2	160	123	19	40	4	32	21.5	8	M6
	AD3		159	24	50	5	40	27	8	M8
BK..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
BK..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
BK..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
BK..107	AD3	350	145	28	60	5	50	31	8	M10
	AD4		208	38	80	5	70	41	10	M12
	AD5		281	42	110	10	70	45	12	M16
BK..127	AD4	450	193	38	80	5	70	41	10	M12
	AD5		266	42	110	10	70	45	12	M16
	AD6		306	48	110	10	80	51.5	14	M16
BK..157 BK..167 BK..187	AD7	550	300	55	110	10	90	59	16	M20
	AD8		383	70	140	15	110	74.5	20	M20
	AD5		258	42	110	10	70	45	12	M16
	AD6		298	48	110	10	80	51.5	14	M16
	AD7		292	55	110	10	90	59	16	M20
	AD8		374	70	140	15	110	74.5	20	M20

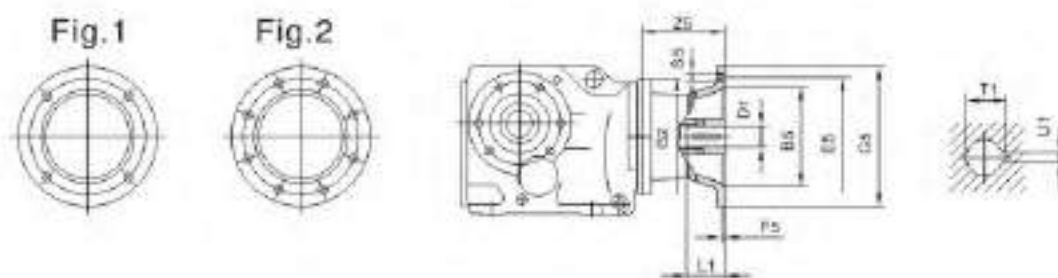
BK..AM..



减速箱规格 Gear unit type	联接盘规格 Motor adaptor	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1	
BK...37	AM63	1	95G7	115	3.5	120	140	M6	72	11	23	12.8	4	
	AM71 ¹⁾		110G7	130			160			14	30	16.3	5	
	AM80 ¹⁾		130G7	165	4.5		200	M10	106	19	40	21.8	6	
	AM90 ¹⁾									24	50	27.3	8	
BK...47 BK...57 BK...67	AM63	1	95G7	115	3.5	160	140	M8	66	11	23	12.8	4	
	AM71		110G7	130			160			14	30	16.3	5	
	AM80		130G7	165	4.5		200	M10	99	19	40	21.8	6	
	AM90									24	50	27.3	8	
	AM100 ¹⁾		180G7	215	5		250	M12	134	28	60	31.3	8	
	AM112 ¹⁾									230G7	265	300	189	38
BK...77	AM63	1	95G7	115	3.5	200	140	M8	60	11	23	12.8	4	
	AM71		110G7	130			160			14	30	16.3	5	
	AM80		130G7	165	4.5		200	M10	92	19	40	21.8	6	
	AM90									24	50	27.3	8	
	AM100 ¹⁾		180G7	215	5		250	M12	126	28	60	31.3	8	
	AM112 ¹⁾									230G7	265	300	179	38
	AM132S ¹⁾ AM132M ¹⁾													
	AM132ML ¹⁾													
BK...87	AM80	1	130G7	165	4.5	250	200	M10	87	19	40	21.8	6	
	AM90									24	50	27.3	8	
	AM100		180G7	215	5		250	M12	121	28	60	31.3	8	
	AM112													
	AM132S AM132M		230G7	265	5		300	M12	174	38	80	41.3	10	
	AM132ML													
	AM160 ¹⁾		250G7	300	6		350	M16	232	42	110	45.3	6	
	AM180 ¹⁾									48		51.8	8	
BK...97	AM100	1	180G7	215	5	300	250	M12	116	28	60	31.3	8	
	AM112													
	AM132S AM132M		230G7	265	5		300	M12	169	38	80	41.3	10	
	AM132ML													
	AM160		250G7	300	6		350	M16	227	42	110	45.3	12	
	AM180									48		51.8	14	
	AM200 ¹⁾		300G7	350	7		400	M16	268	55		59.3	16	
	AM225 ¹⁾									283		60	140	64.4

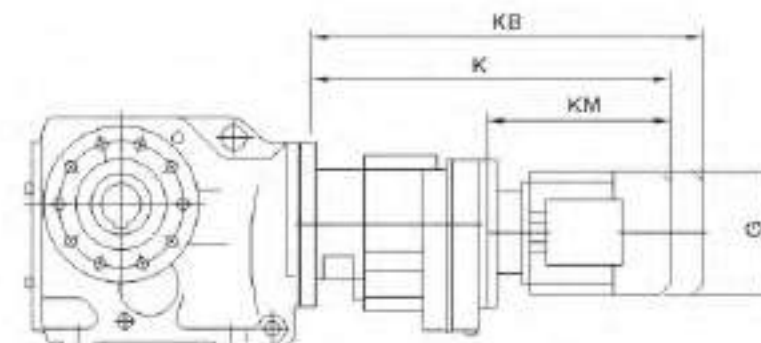
1) 如果安装在BK系列底部安装方式的减速机上，请检查尺寸G5/2，它可能已突出平面。
Dimension G5/2 May protrude past foot mounting surface if mounted on BK foot - mounted gear unit, please check.

BK..AM..



减速箱规格 Gear unit type	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1					
BK..107	AM100	1	180	215	5	350	250	M12	110	28	60	31.3	8					
	AM112		230	265			300		163	38	80	41.3	10					
	AM132S																	
	AM132M																	
	AM132ML																	
	AM160		250	300	6		350	M16	221	42	110	45.3	12					
	AM180									48		51.8	14					
	AM200	300	350	7	400	262	55		59.3	16								
AM225	2	350	400		450	277	60		140	64.4	18							
BK..127	AM132S	1	230	265	5	450	300	M12	148	38	80	41.3	10					
	AM132M		250	300			350		M16	206	42	110	45.3	12				
	AM132ML										48		51.8	14				
	AM160									300	350	6	400	247	55	59.3	16	
	AM180	350	400	7	550			262						60	140	64.4	18	
	AM200						300	350	7	550	262	60	69.4	20				
	AM225						2	350	400	7	550	336	65	140	79.9	20		
	AM250						450	500	75				79.9		20			
AM280																		
BK..157 BK..167 BK..187	AM160	1	250	300	6	550	350	M16	198	42	110	45.3	12					
	AM180		300	350			400		239	55		110	59.3	16				
	AM200														300	350	7	550
	AM225	2	350	400	7						550				328	65	140	69.4
	AM250	450	500	75			79.9		20									
	AM280																	

BK..R..



减速箱规格 Gear unit type	电机规格 Motor type	G	K	KB	KM
BK..37R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BK..47R17 BK..67R37	D63..	155	400	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
BK..57R37	D63..	155	410	457	235
	D71D	155	401	456	236
	D80..	155	451	515	286
BK..77R37	D63..	155	392	449	235
	D71D	155	393	457	236
	D80..	155	443	507	286
BK..87R57	D63..	155	445	502	229
	D71D	155	445	509	229
	D80..	210	495	559	279
BK..97R57	D63..	155	440	497	229
	D71D	155	440	504	229
	D80..	155	490	554	279
BK..107R77	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..127R77	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..127R87	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..127R97	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..157R97	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..167R97	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..187R97	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273
BK..187R97	D63..	155	470	527	223
	D71D	155	470	534	223
	D80..	155	520	584	273

注: 上表中电机尺寸为参考尺寸, 因空间限制对尺寸有严格要求时请
向本公司咨询。
Notes: The dimension of motor in the above table is only for reference.
If you have special require, please consult us.

减速箱规格 Gear unit type	电机规格 Motor type	G	K	KB	KM
BK..127R77	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
BK..127R87	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
BK..127R97	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
BK..157R97	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
BK..167R97	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
BK..187R97	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273
BK..187R97	D63..	155	455	512	223
	D71D	155	455	519	223
	D80..	155	505	569	273

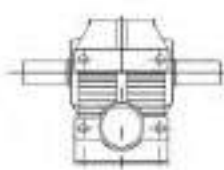
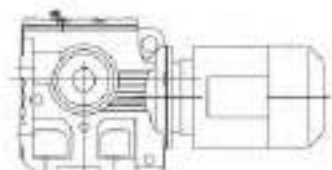
8. BS 斜齿轮 – 蜗轮蜗杆减速电机 BS Helical – Worm Geared Motor

8.1 设计方案

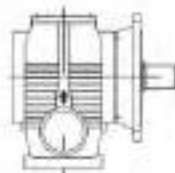
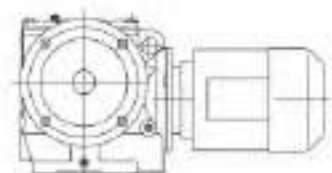
8.1 Versions of geared motors

斜齿轮 – 蜗轮蜗杆齿轮减速电机有以下设计方案:

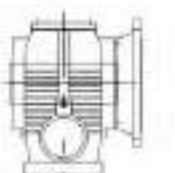
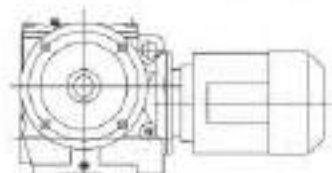
The following types of helical – worm gearmotor can be supplied:



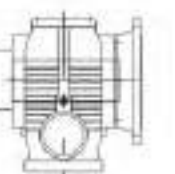
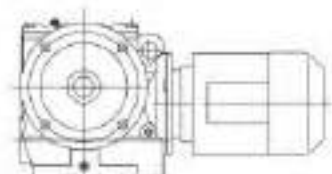
BS..D..
底脚安装斜齿轮—蜗轮蜗杆齿轮减速电机
Foot – mounted helical – worm gearmotor



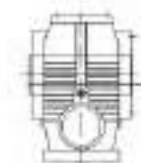
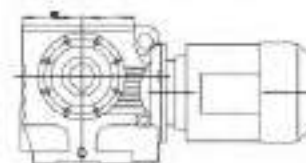
BSF..D..
法兰安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor flange – mounted version.



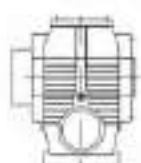
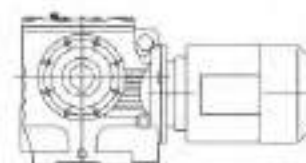
BSAF..D..
B5 法兰空心轴安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B5 flange – mounted version with hollow shaft.



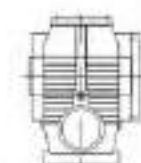
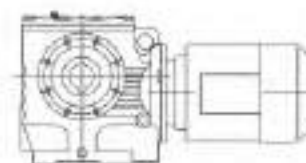
BSHF..D..
B5 法兰空心轴锁紧盘安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B5 flange – mounted version with hollow shaft and shrink disk.



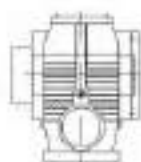
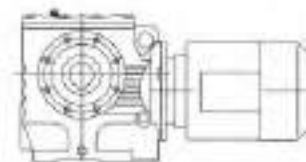
BSA..D..
空心轴安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor with hollow shaft.



BSH..D..
空心轴锁紧盘安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor with hollow shaft and shrink disk.



BSAZ..D..
B14 法兰空心轴安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B14 flange – mounted version with hollow shaft



BSHZ..D..
B14 法兰空心轴锁紧盘安装斜齿轮—蜗轮蜗杆齿轮减速电机
Helical – worm gearmotor in B14 flange – mounted version with hollow shaft and shrink disk.

8.2 可行的组合方式 8.2 Type of Combination

以下是斜齿轮-蜗杆减速与交流(带制动)电机的组合列表。表中给出了每种组合的速比范围。
The below is combination table between gear box and electro motor in each list the ratio range.

减速器型号 Gear unit size	级 Stages	D63 D71	D80	D90	D100	D112	D132S	D132M
BS/SF/SA/SAF37	2	6.80-18.24 19.89-51.30 55.03-157.43	8.80-15.53 19.13 22.50-43.08 53.83 63.33-122.94	8.80-13.39 19.13 22.50-37.66 53.83 63.33-106.00				
BS/SF/SA/SAF47	2	7.28-17.82 20.33-54.59 63.80-201.00	7.28-17.82 20.33-54.59 67.20 71.75-158.12	7.28-19.54 20.33-47.32 56.61 67.20 71.75-137.06	7.28-14.24 19.54 23.20-38.23 56.61 67.20 71.75-110.73			
BS/SF/SA/SAF57	2	7.28-17.82 20.33-54.59 63.80-201.00	7.28-17.82 20.33-54.59 67.20 71.75-158.12	7.28-19.54 20.33-47.32 56.61 67.20 71.75-137.06	7.28-14.24 19.54 23.20-38.23 56.61 67.20 71.75-110.73			
BS/SF/SA/SAF67	2	11.03-17.28 20.37-23.22 24.44 29.63-54.70 52.35-65.63 75.06 85.83-217.41	8.80-17.28 20.37-23.22 24.44 24.44-54.70 52.35-65.63 75.06 85.83-217.41	7.58-17.28 20.37-23.22 23.33 24.44-54.70 52.35-65.63 75.06 78.00-190.1	7.58-17.28 20.37-23.22 23.33 26.93-48.40 58.89 67.57 78.00-158.45	7.58-20.30 23.33 26.93-48.40 58.89 67.57 78.00-134.40	7.58-13.73 20.30 23.33 26.93-38.85 58.89 67.57 78.00-106.75	7.58-13.73 20.30 23.33 26.93-38.85 58.89 67.57 78.00-106.75
BS/SF/SA/SAF77	2	15.28-18.42 20.99 22.89 35.94-53.87 63.03 71.35-75.09 107.83-258.47	12.07-18.42 20.99 22.89 28.41-53.87 63.03 71.35-75.09 85.22-225.26	8.06-18.42 20.99 22.89-75.09 85.22-225.26	8.06-18.42 20.99 22.89-66.67 75.20-189.09	8.06-18.42 20.99 22.89-58.92 66.67 75.20-161.60	8.06-18.97 22.22 25.07-43.33 58.92 66.67 75.20-130.00	8.06-18.97 22.22 25.07-43.33 58.92 66.67 75.20-130.00
BS/SF/SA/SAF87	2	17.49-19.70 21.43 25.50 39.10-57.00 64.27-70.43 81.75 91.20	12.21-19.70 21.43 25.50 39.10-57.00 64.27-70.43 81.75-288.00	12.21-19.70 21.43 25.50-57.00 64.27-70.43 81.75-288.00	9.07-19.70 21.43 25.50-57.00 64.27-77.14 86.15 99.26-222.40	9.07-19.70 21.43 25.50-64.00 77.14 86.15 99.26-180.00	7.88-19.70 21.43 25.50-64.00 77.14 86.15 99.26-180.00	7.88-19.70 21.43 25.50-64.00 77.14 86.15 99.26-180.00
BS/SF/SA/SAF97	2	23.99 26.39 49.87-60.59 71.43 80.85 161.74-288.40	17.05-23.99 26.39 36.05-60.59 71.43 80.85 161.74-288.40	13.07-23.99 26.39 32.60-60.59 71.43 80.85-288.40	13.07-23.99 26.39 32.60-60.59 71.43 80.85-288.40	8.26-23.99 26.39 32.60-78.26 71.43 89.60-231.67	8.26-23.99 26.39 32.60-78.26 71.43 89.60-231.67	8.26-23.99 26.39 32.60-78.26 71.43 89.60-231.67

减速器型号 Gear unit size	级 Stages	D132ML	D160M	D160L	D180		
BS/SF/SA/SAF77	2	8.06-13.76 18.97 22.22 25.07-32.38 58.92 66.67 75.20-97.14	8.06-13.76 18.97 22.22 25.07-32.38 58.92 66.67 75.20-97.14				
BS/SF/SA/SAF87	2	7.88-20.27 24.43 27.28-44.03 64.00 77.14 86.15 99.26-139.05	7.88-20.27 24.43 27.28-44.03 64.00 77.14 86.15 99.26-139.05	7.88-20.27 24.43 27.28-44.03 64.00 77.14 86.15 99.26-139.05	7.88-15.04 20.27 24.43 27.28-34.96 64.00 77.14 86.15 99.26-110.40		
BS/SF/SA/SAF97	2	8.26-23.99 26.39 32.60-55.79 65.45 78.26 89.60-180.95	8.26-23.99 26.39 32.60-55.79 65.45 78.26 89.60-180.95	8.26-23.99 26.39 32.60-55.79 65.45 78.26 89.60-180.95	8.26-21.23 24.13 27.63-44.89 65.45 78.26 89.60-145.60		

8.3 速比与最大扭矩 8.3 Ratio and Max. Torque

BS37-57 $n_0=1400$ 1/min

BS37	n_0 [1/min]	M_{max} [Nm]	F_{max} [N]	AD
157.43	8.9	92	3000	
144.40	9.7	92	3000	
122.94	11	91	3000	
106.00	13	88	3000	
98.80	14	87	3000	
86.36	16	86	3000	
80.96	17	85	3000	
71.44	20	84	3000	
63.33	22	82	3000	
55.93	25	81	3000	
53.83	26	80	3000	AD,
51.30	27	81	3000	
43.68	32	81	3000	
37.66	37	79	3000	
35.10	40	78	3000	
30.68	46	76	2870	AD,
28.76	49	75	2800	
25.38	55	74	2680	
22.50	62	73	2530	
19.89	70	62	2470	
19.13	73	71	2380	AD,
18.24	77	52	2380	
15.53	90	50	2240	AD,
13.39	105	49	2110	
12.48	112	48	2050	
10.91	128	48	1940	
10.23	137	47	1900	AD,
9.02	155	46	1810	
8.00	175	45	1730	
6.80	206	43	1630	

BS47	n_0 [1/min]	M_{max} [Nm]	F_{max} [N]	AD
201.00	7.0	170	5340	
184.80	7.6	170	5340	
158.12	8.9	170	5340	
137.05	10	168	5350	
128.10	11	168	5350	
110.73	13	168	5350	
94.08	15	168	5350	
84.00	17	167	5360	
71.75	20	167	5360	
69.39	20	155	5370	
67.20	21	167	5360	
63.80	22	155	5370	
56.61	25	165	5320	AD,
54.59	26	155	5150	
47.32	30	155	4850	AD,
44.22	32	155	4710	
38.23	37	155	4430	
32.48	43	155	4120	
29.00	48	155	3920	
24.77	57	155	3650	
23.20	60	152	3570	
20.33	69	110	3370	
19.54	72	144	3370	AD,
17.62	79	110	3160	
16.47	85	110	3060	
14.24	98	110	2850	
12.10	116	109	2650	
10.80	130	109	2500	
9.23	152	109	2310	
8.64	162	109	2230	
7.28	192	103	2110	

BS57	n_0 [1/min]	M_{max} [Nm]	F_{max} [N]	AD
201.00	7.0	295	7130	
184.80	7.6	295	7130	
158.12	8.9	295	7130	
137.05	10	295	7130	
128.10	11	295	7130	
110.73	13	295	7130	
94.08	15	295	7130	
84.00	17	295	7130	
71.75	20	290	7170	
69.39	20	245	7520	
67.20	21	285	7220	
63.80	22	245	7520	
58.61	25	265	7370	
54.59	26	245	7520	
47.32	30	245	7520	
44.22	32	245	7520	
38.23	37	245	7320	
32.48	43	245	6840	
29.00	48	245	6520	AD,
24.77	57	245	6100	
23.20	60	245	5930	
20.33	69	168	5690	
19.54	72	215	5720	
17.62	79	168	5350	
16.47	85	168	5200	
14.24	98	169	4860	
12.10	116	169	4520	
10.80	130	169	4290	
9.23	152	169	3990	
8.64	162	168	3900	
7.28	192	146	3790	

BS67-87 $n_s=1400$ 1/min

BS67 520Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	AD
217.41	6.4	520	8680	AD ₁
180.11	7.4	520	8680	
180.60	7.8	520	8680	
158.45	8.8	520	8680	
134.40	10	520	8680	
121.33	12	520	8680	
106.75	13	520	8680	
100.80	14	520	8680	
85.83	16	520	8680	
78.00	18	520	8680	
75.06	19	480	9020	
67.57	21	520	8680	
65.63	21	480	9020	AD ₂
62.35	22	480	9020	
58.80	24	500	8850	
54.70	26	480	8670	
46.40	30	480	8060	
41.89	33	480	7690	
36.85	38	480	7250	
34.80	40	480	7060	
29.63	47	480	6540	
26.93	52	480	6240	
24.44	57	340	6040	AD ₃
23.33	60	480	5810	
23.22	60	340	5890	
20.37	69	340	5520	
20.30	69	425	5760	
17.26	81	340	5080	
15.60	90	340	4820	
13.73	102	340	4510	
12.96	108	340	4310	
11.03	127	340	3660	AD ₄
10.03	140	340	3290	
8.69	161	335	2860	
7.56	185	295	3220	

BS77 1270Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	AD
256.47	5.5	1270	11800	AD ₁
225.26	6.2	1270	11800	
214.00	6.5	1270	11800	
189.09	7.4	1270	11800	
161.60	8.7	1260	11900	
148.15	9.4	1240	12000	
130.00	11	1210	12300	
123.20	11	1200	12400	
107.83	13	1170	12600	
97.14	14	1140	12900	
85.22	16	1100	13200	
75.20	19	1070	13400	AD ₂
75.09	19	1100	13200	
71.33	20	1100	13200	
66.67	21	1040	13600	
63.03	22	1100	12800	
56.92	25	990	13300	
53.87	26	1100	11900	
49.38	28	1100	11500	
43.33	32	1100	10800	
41.07	34	1100	10500	AD ₃
35.94	39	1100	9850	
32.38	43	1090	9400	
28.41	49	1050	8970	
25.07	56	1020	8550	
22.89	61	705	7440	
22.22	63	980	8220	
20.99	67	705	6820	
18.97	74	930	7800	
18.42	76	705	5920	
17.45	80	710	5470	AD ₄
15.28	92	710	4610	
13.75	102	710	3960	
12.07	116	720	3000	
10.65	131	720	2280	
9.44	148	725	1040	
8.06	174	680	1160	

BS87 2280Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	AD
288.00	4.9	2280	27900	AD ₁
258.18	5.4	2280	27900	
222.40	6.3	2260	27900	
202.96	6.9	2260	28000	
180.00	7.8	2210	28100	
151.30	9.3	2150	28200	
139.05	10	2100	28300	
123.48	11	2060	28300	
110.40	13	2000	28400	
99.26	14	1960	28500	
91.20	15	1510	29100	
86.15	16	1880	28600	AD ₂
81.76	17	1600	29000	
77.14	18	1820	28700	
70.43	20	1600	29000	
64.27	22	1600	29000	
64.00	22	1700	28900	
57.00	25	1600	29000	
47.91	29	1600	29000	
44.03	32	1600	29000	
39.10	36	1600	28200	
34.96	40	1600	27100	AD ₃
31.43	45	1600	26000	
27.28	51	1600	24700	
25.50	55	1240	23400	
24.43	57	1600	23700	
21.43	65	1240	21800	
20.27	69	1600	22100	
19.70	71	1240	21100	
17.49	80	1240	20200	
15.64	90	1240	19300	
14.06	100	1240	18500	AD ₄
12.21	115	1240	17400	
10.93	128	1240	16600	
9.07	154	1140	15900	
7.88	178	1010	15700	

BS97,BS37/47R17 $n_s=1400$ 1/min

BS97 4000Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	AD
286.40	4.9	4000	36300	AD ₁
262.22	5.3	4000	36300	
231.67	6.0	4000	36300	
196.52	7.1	4000	36300	
180.95	7.7	3920	36500	
161.74	8.7	3840	36600	
145.60	9.6	3730	36800	
131.85	11	3650	37000	
116.92	12	3510	37200	
105.71	13	3440	37300	
89.60	16	3240	37600	
80.85	17	3230	37600	AD ₂
78.26	18	3080	37900	
71.43	20	3300	37500	
65.45	21	2900	38100	
60.59	23	3300	37500	
55.79	25	3300	37100	
49.87	28	3300	35600	
44.89	31	3300	34100	
40.65	34	3300	32800	
36.05	39	3300	31300	
32.60	43	3200	30400	AD ₃
27.63	51	3010	29000	
26.39	53	2600	28100	
24.13	58	2870	28000	
23.59	59	2600	24900	
21.23	66	2600	23700	
19.23	73	2600	22700	
17.05	82	2570	21100	
15.42	91	2470	20800	
13.07	107	2330	20100	
11.41	123	2210	19500	AD ₄
9.55	147	2040	18800	
8.26	169	1770	18800	

BS37R17 90Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	
10037	0.14	92	3000	AD ₁
8654	0.16	92	3000	
8068	0.17	92	3000	
7061	0.20	92	3000	
6079	0.23	92	3000	
5431	0.26	92	3000	
4747	0.29	92	3000	
4155	0.34	92	3000	
3632	0.39	92	3000	
2866	0.49	92	3000	
2471	0.57	92	3000	
2160	0.65	92	3000	
1887	0.74	92	3000	AD ₂
1685	0.84	92	3000	
1456	0.96	92	3000	
1271	1.1	92	3000	
1121	1.2	92	3000	
994	1.4	92	3000	
869	1.6	92	3000	
774	1.8	92	3000	
666	2.1	92	3000	
596	2.3	92	3000	
521	2.7	92	3000	AD ₃
456	3.1	92	3000	
398	3.5	92	3000	
351	4.0	92	3000	
303	4.6	92	3000	
265	5.3	92	3000	
232	6.0	92	3000	
202	6.9	92	3000	
179	7.8	92	3000	
158	8.9	92	3000	
144	9.7	92	3000	
118	12	92	3000	AD ₄
110	13	92	3000	

BS47R17 185Nm				
i	n_s [1/min]	M_{max} [Nm]	F_{in} [N]	
12909	0.11	185	5250	AD ₁
11189	0.13	185	5250	
10374	0.13	185	5250	
8992	0.16	185	5250	
7860	0.18	185	5250	
6887	0.20	185	5250	
6055	0.23	185	5250	
5292	0.26	185	5250	
4637	0.30	185	5250	
4092	0.34	185	5250	
3582	0.39	185	5200	
3131	0.45	185	5200	AD ₂
2714	0.52	185	5200	
2412	0.58	185	5200	
2131	0.66	185	5200	
1863	0.75	185	5200	
1663	0.84	185	5200	
1435	0.98	185	5200	
1254	1.1	185	5200	
1120	1.2	185	5200	
1083	1.3	185	5200	
965	1.5	185	5200	AD ₃
956	1.5	185	5210	
865	1.6	185	5200	
750	1.9	185	5200	
655	2.1	185	5200	
574	2.4	185	5200	
506	2.8	185	5200	
438	3.2	185	5200	
388	3.6	185	5200	
336	4.2	185	5200	
294	4.8	185	5200	
257	5.4	185	5260	AD ₄
229	6.1	185	5200	
200	7.0	185	5200	
187	7.5	185	5200	
165	8.5	185	5200	
148	9.5	185	5200	
131	11	185	5200	

BS57R17,BS67/77R37 $n_s=1400$ 1/min

BS57R17 300Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{th} [N]
12909	0.11	330	6800
11189	0.13	330	6800
10374	0.13	330	6800
8992	0.16	330	6800
7860	0.18	330	6800
6887	0.20	330	6800
6055	0.23	330	6800
5292	0.26	330	6800
4637	0.30	330	6800
4092	0.34	330	6800
3628	0.39	330	6800
3131	0.45	300	7090
2714	0.52	300	7090
2412	0.58	300	7090
2131	0.66	300	7090
1863	0.75	300	7090
1663	0.84	300	7090
1435	0.98	300	7090
1254	1.1	300	7090
1083	1.3	300	7090
965	1.5	300	7090
865	1.6	300	7090
750	1.9	300	7090
655	2.1	300	7090
574	2.4	300	7090
506	2.8	300	7090
438	3.2	300	7090
388	3.6	300	7090
336	4.2	300	7090
294	4.8	300	7090
269	5.2	300	7090
229	6.1	300	7090
204	6.9	300	7090
187	7.5	300	7090
165	8.5	300	7090
131	11	300	7090

BS67R37 570Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{th} [N]
21362	0.07	570	8190
19594	0.07	570	8190
18120	0.08	570	8190
16582	0.08	570	8190
14383	0.10	570	8190
12774	0.11	570	8190
11013	0.13	570	8190
9694	0.14	570	8190
8529	0.16	570	8190
7455	0.19	570	8190
6531	0.21	570	8190
5759	0.24	570	8190
4965	0.28	570	8190
4410	0.32	570	8190
3880	0.36	570	8190
3432	0.41	570	8190
2944	0.48	570	8190
2630	0.53	570	8190
2279	0.61	570	8190
2014	0.70	570	8190
1772	0.79	570	8190
1559	0.90	570	8190
1363	1.0	570	8190
1194	1.2	570	8190
1045	1.3	570	8190
914	1.5	570	8190
809	1.7	570	8190
712	2.0	570	8190
615	2.3	570	8190
543	2.6	570	8190
469	3.0	570	8190
424	3.3	570	8190
365	3.8	570	8190
319	4.4	570	8190
281	5.0	570	8190
246	5.7	570	8190
221	6.3	570	8190
198	7.1	570	8190
168	8.3	570	8190
156	9.0	570	8190

BS77R37 1270Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{th} [N]
25493	0.05	1270	11700
21787	0.06	1270	11700
19907	0.07	1270	11700
17013	0.08	1270	11700
14668	0.10	1270	11700
13110	0.11	1270	11700
11569	0.12	1270	11700
9887	0.14	1270	11700
8817	0.16	1270	11700
7735	0.18	1270	11700
6735	0.21	1270	11700
5943	0.24	1270	11700
5214	0.27	1270	11700
4618	0.30	1270	11700
3992	0.35	1270	11700
3540	0.40	1270	11700
3098	0.45	1270	11700
2753	0.51	1240	12000
2374	0.59	1240	12000
2083	0.67	1240	12000
1813	0.77	1240	12000
1745	0.80	1240	12000
1600	0.88	1240	12000
1404	1.0	1240	12000
1245	1.1	1240	12000
1100	1.3	1240	12000
954	1.5	1240	12000
837	1.7	1240	12000
714	2.0	1240	12000
637	2.2	1240	12000
574	2.4	1240	12000
499	2.8	1240	12000
438	3.2	1240	12000
389	3.6	1240	12000
327	4.3	1240	12000
289	4.8	1240	12000
250	5.6	1240	12000
219	6.4	1240	12000

BS87/97R57 $n_s=1400$ 1/min

BS87R57 2500Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{th} [N]
25987	0.05	2500	27500
23940	0.06	2500	27500
20568	0.07	2500	27500
18265	0.08	2500	27500
16774	0.08	2500	27500
14820	0.09	2500	27500
13160	0.11	2500	27500
11200	0.12	2500	27500
9904	0.14	2500	27500
8549	0.16	2500	27500
7643	0.18	2500	27500
6706	0.21	2500	27500
5875	0.24	2500	27500
5187	0.27	2500	27500
4606	0.30	2500	27500
3872	0.36	2500	27500
3475	0.40	2500	27500
2906	0.48	2500	27500
2586	0.54	2500	27500
2335	0.60	2500	27500
2054	0.68	2500	27500
1824	0.77	2500	27500
1631	0.86	2500	27500
1332	1.1	2500	27500
1191	1.2	2500	27500
1032	1.4	2500	27500
930	1.5	2500	27500
831	1.7	2500	27500
719	1.9	2500	27500
624	2.2	2500	27500
558	2.5	2500	27500
485	2.9	2500	27500
435	3.2	2450	27600
378	3.7	2450	27600
323	4.3	2400	27700
281	5.0	2400	27700
255	5.5	1980	28400
222	6.3	1980	28400
205	6.8	1980	28400

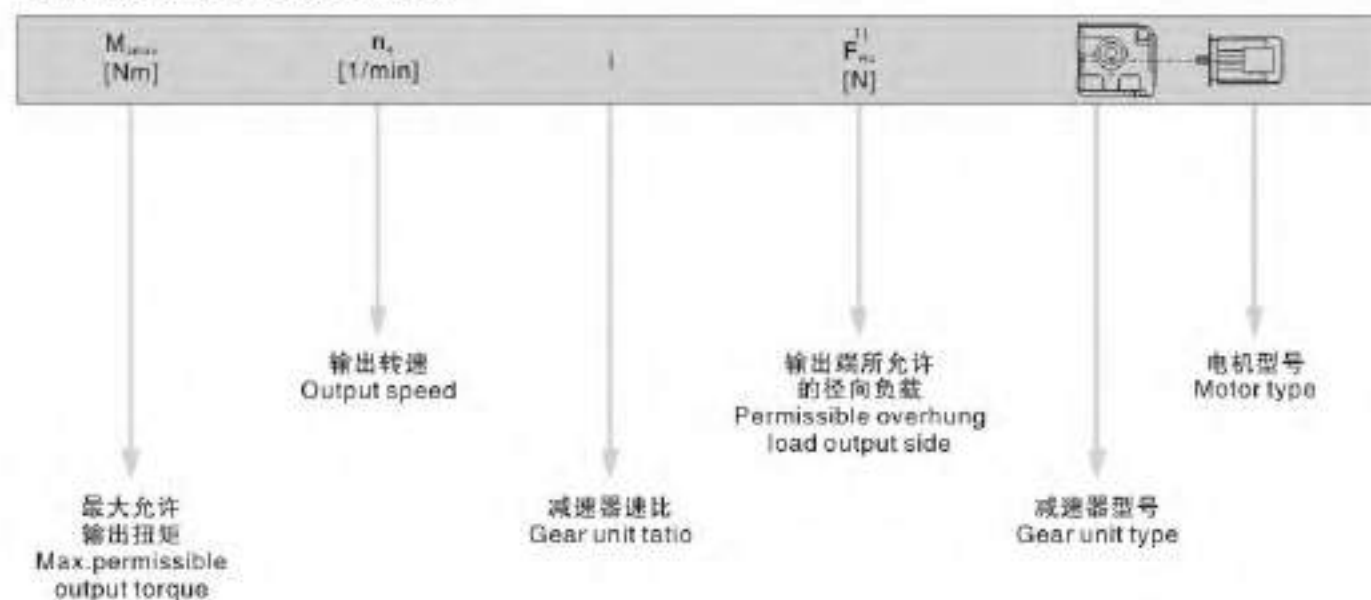
BS97R57 4200Nm			
i	n_s [1/min]	M_{max} [Nm]	F_{th} [N]
33818	0.04	4200	34200
31154	0.04	4200	34200
27647	0.05	4200	34200
24641	0.06	4200	34200
21537	0.07	4200	34200
18749	0.07	4200	34200
16233	0.09	4200	34200
14576	0.10	4200	34200
12752	0.11	4200	34200
11287	0.12	4200	34200
10078	0.14	4200	34200
8608	0.16	4200	34200
7554	0.19	4200	34200
6640	0.21	4200	30600
5780	0.24	4200	30600
4937	0.28	4200	30600
4444	0.32	4200	30600
4017	0.35	4200	30600
3453	0.41	4200	30600
3108	0.45	4200	30600
2654	0.53	4200	30600
2329	0.60	4200	30600
2081	0.67	4200	30600
1860	0.75	4200	30600
1574	0.89	4200	30600
1394	1.0	4200	30600
1223	1.1	4200	30600
1070	1.3	4200	30600
928	1.5	4200	30600
824	1.7	4200	30600
714	2.0	4200	34400
626	2.2	4200	30600
538	2.6	4200	30600
484	2.9	4200	30700
420	3.3	4200	30700
376	3.7	4200	30800
327	4.3	4200	30800
287	4.9	4200	30900
252	5.6	4200	31000
219	6.4	4200	31000
205	6.8	4200	31000

8.4 选型表注释 8.4 Selection table

选型表的结构
Selection table for geared motors



对于特殊低输出转速
For particularly low output speeds



图例: Cutline
 ※ 也可用于EEXe电机。 ※ EEXE motor is optional.
 † | 实心轴底脚安装减速机的径向负载
 † | Overhung load specified for foot-mounted gear unit with solid shaft

注意: Notice:
 对于特殊低输出转速驱动(多级减速电机),电机功率必须与减速机的最大允许输出转矩相对应。
 In drives for particularly low output speeds (multi-stage geared motor), the motor power must be limited according to maximum permitted output torque of the gear unit.

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	径向负载 Permitted overhung load F_{\perp} [N]	使用系数 Service factor f_0	型号 Model
0.12kW					
0.12	4610	11267	28700	0.90	BS 97 R57 D63S4
0.14	4210	10078	32800	1.00	BSF 97 R57 D63S4
0.16	3600	8608	34200	1.20	BSA 97 R57 D63S4
0.18	3090	7554	34800	1.35	BSAF 97 R57 D63S4
0.18	3120	7643	14400	0.80	BS 87 R57 D63S4
0.21	2630	6706	27200	0.95	BSF 87 R57 D63S4
0.23	2330	5875	27800	1.05	BSA 87 R57 D63S4
0.27	1960	5187	28500	1.25	BSAF 87 R57 D63S4
0.30	1740	4608	28800	1.45	BSAF 87 R57 D63S4
0.36	1450	3872	29200	1.70	
0.39	1340	3540	9700	0.95	BS 77 R37 D63S4
0.45	1170	3086	12500	1.10	BSF 77 R37 D63S4
0.58	1280	2374	11600	0.85	BS 77 R37 D63S4
0.66	1130	2083	12900	1.10	BSF 77 R37 D63S4
0.76	960	1813	14100	1.30	BSA 77 R37 D63S4
0.79	910	1745	14300	1.35	BSAF 77 R37 D63S4
0.86	840	1600	14700	1.50	
0.98	735	1404	15200	1.70	
1.1	645	1245	15600	1.90	
1.0	685	1363	4800	0.85	BS 67 R37 D63S4
1.2	575	1194	8150	1.00	BSF 67 R37 D63S4
1.3	515	1045	8720	1.10	BSA 67 R37 D63S4
1.5	445	914	8280	1.30	BSAF 67 R37 D63S4
1.7	400	809	8580	1.40	
1.9	355	712	9850	1.60	BS 67 R37 D63S4
2.2	295	615	10100	1.95	BSF 67 R37 D63S4
2.5	265	543	10300	2.2	BSA 67 R37 D63S4
2.9	220	469	10400	2.6	BSAF 67 R37 D63S4
3.3	197	424	10500	2.9	
3.8	180	365	10500	3.2	
2.1	315	655	6930	0.95	BS 57 R17 D63S4
2.4	275	574	7290	1.10	BSF 57 R17 D63S4
2.7	240	506	7540	1.25	BSA 57 R17 D63S4
3.2	210	438	7750	1.45	BSAF 57 R17 D63S4
3.6	183	388	7880	1.65	
4.1	163	336	7980	1.85	
4.7	140	294	8070	2.1	
5.1	134	289	8090	2.2	
3.2	210	438	5060	0.90	BS 47 R17 D63S4
3.6	183	388	5210	1.00	BSF 47 R17 D63S4
4.1	163	336	5320	1.15	BSA 47 R17 D63S4
4.7	139	294	5450	1.35	BSAF 47 R17 D63S4
5.4	95	257	5680	1.55	BSA 47 R17 D63S4
6.0	113	229	5670	1.65	BSAF 47 R17 D63S4
6.9	99	200	5630	1.90	
7.4	92	187	5660	2.0	
6.8	99	202	3000	0.95	BS 37 R17 D63S4
7.7	88	179	3000	1.05	BSF 37 R17 D63S4
8.7	78	158	3000	1.15	BSA 37 R17 D63S4
9.6	72	144	3000	1.25	BSAF 37 R17 D63S4
12	59	118	3000	1.55	
13	55	110	3000	1.65	
4.5	143	201.00	8050	2.1	BS 57 D63M6
4.9	133	184.80	8090	2.2	BSF 57 D63M6
5.7	116	158.12	8150	2.5	BSA 57 D63M6
6.6	103	137.05	8180	2.9	BSAF 57 D63M6
4.5	138	201.00	5490	1.30	BS 47 D63M6
4.9	129	184.80	5540	1.40	BSF 47 D63M6
5.7	112	158.12	5610	1.55	BSA 47 D63M6
6.6	99	137.05	5650	1.75	BSAF 47 D63M6
7.0	93	128.10	5680	1.85	

输出转速 Output speed n_n [1/min]	输出转矩 Output torque M_n [N·m]	传动比 Ratio i	径向负载 Permitted overhung load F_{\perp} [N]	使用系数 Service factor f_0	型号 Model
0.12kW					
6.9	95	201.00	5680	1.80	BS 47 D63S4
7.5	89	184.80	5700	1.90	BSF 47 D63S4
8.7	77	158.12	5740	2.2	BSA 47 D63S4
10	68	137.05	5780	2.5	BSAF 47 D63S4
11	64	128.10	5790	2.6	
12	57	110.73	5810	3.0	
5.7	107	157.43	3000	0.85	BS 37 D63M6
6.2	99	144.40	3000	0.95	BSF 37 D63M6
7.3	88	122.94	3000	1.05	BSA 37 D63M6
8.5	76	106.00	3000	1.20	BSAF 37 D63M6
9.1	71	98.80	3000	1.30	
10	64	88.36	3000	1.45	
8.8	74	157.43	3000	1.25	BS 37 D63S4
9.6	68	144.40	3000	1.35	BSF 37 D63S4
11	60	122.94	3000	1.50	BSA 37 D63S4
13	52	106.00	3000	1.70	BSAF 37 D63S4
14	49	98.80	3000	1.75	
16	44	86.36	3000	1.95	
17	41	80.95	3000	2.1	
18	37	71.44	3000	2.3	
22	33	63.33	3000	2.5	
25	35	55.93	3000	2.3	
27	33	51.30	3000	2.5	
32	28	43.68	3000	2.9	
37	25	37.66	3000	3.2	BS 37 D63S4
39	23	35.10	3000	3.4	BSF 37 D63S4
45	20	30.68	3000	3.7	BSA 37 D63S4
48	19	28.76	3000	3.9	BSAF 37 D63S4
54	17	25.38	3000	4.3	
61	15	22.50	3000	4.8	
69	14	19.89	3000	5.6	
76	13	18.24	3000	5.9	
89	11	15.63	2870	4.4	
0.18kW					
0.29	2970	4606	20900	0.85	BS 87 R57 D63M4
0.34	2480	3872	27500	1.00	BSF 87 R57 D63M4
					BSA 87 R57 D63M4
					BSAF 87 R57 D63M4
0.38	2350	3475	27800	1.05	BS 87 R57 D63M4
0.45	1970	2905	28500	1.25	BSF 87 R57 D63M4
0.51	1710	2586	28900	1.45	BSA 87 R57 D63M4
0.57	1520	2335	29100	1.65	BSAF 87 R57 D63M4
0.64	1320	2054	29400	1.90	
0.72	1170	1824	29500	2.1	
0.81	1050	1631	29600	2.4	
0.94	1220	1404	12200	1.00	BS 77 R37 D63M4
1.1	1070	1245	13000	1.15	BSF 77 R37 D63M4
					BSA 77 R37 D63M4
					BSAF 77 R37 D63M4
1.2	990	1100	13900	1.25	BS 77 R37 D63M4
1.4	850	954	14700	1.45	BSF 77 R37 D63M4
1.6	745	837	15200	1.65	BSA 77 R37 D63M4
1.9	625	714	15600	2.0	BSAF 77 R37 D63M4
2.1	555	637	15900	2.2	
2.3	500	574	16000	2.5	
1.6	660	809	5140	0.85	BS 67 R37 D63M4
1.8	580	712	5060	1.00	BSF 67 R37 D63M4
2.2	490	615	5920	1.15	BSA 67 R37 D63M4
2.4	440	543	6330	1.30	BSAF 67 R37 D63M4
2.8	370	469	6780	1.55	
3.1	335	424	6970	1.70	
3.6	295	365	10100	1.90	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.18kW					
3.0	345	438	8630	0.85	BS BSF BSA BSAF
3.4	305	388	7040	1.00	
3.9	270	336	7360	1.10	
4.5	235	294	7800	1.30	
4.9	220	269	7690	1.35	
5.8	188	229	7860	1.60	
5.6	169	204	7950	1.80	
7.1	154	187	8010	1.95	
4.5	230	294	4910	0.80	BS BSF BSA BSAF
5.1	158	257	5400	1.15	
5.8	185	229	5200	1.00	
6.6	162	200	5350	1.15	
7.1	152	187	5380	1.20	
8.0	134	165	5470	1.40	
8.9	121	148	5530	1.55	
10	108	131	5590	1.70	
4.0	255	217.41	10300	2.2	BS BSF BSA BSAF
4.6	225	190.11	10400	2.5	
4.8	215	180.60	10400	2.6	
4.3	220	201.00	7870	1.35	BS BSF BSA BSAF
4.7	205	184.80	7760	1.45	
5.5	180	158.12	7900	1.85	
5.3	159	137.05	7990	1.85	
6.6	154	201.00	8010	1.90	BS BSF BSA BSAF
7.1	143	184.80	8050	2.1	
8.4	125	158.12	8120	2.4	
9.6	110	137.05	8160	2.7	
4.3	215	201.00	5090	0.85	BS BSF BSA BSAF
4.7	199	184.80	5180	0.90	
5.5	173	158.12	5320	1.00	
6.3	153	137.05	5420	1.10	
6.8	144	128.10	5470	1.20	BS BSF BSA BSAF
8.8	149	201.00	5440	1.15	
7.1	138	184.80	5490	1.25	
8.4	121	158.12	5570	1.40	
9.6	107	137.05	5630	1.60	
10	100	128.10	5660	1.65	
12	88	110.73	5700	1.90	
14	77	94.06	5750	2.2	
18	69	84.00	5770	2.4	BS BSF BSA BSAF
16	80	71.75	5800	2.8	
19	69	69.32	5750	2.2	
8.4	115	157.43	3000	0.80	
9.1	107	144.40	3000	0.85	
11	93	122.94	3000	1.00	
12	82	108.00	3000	1.10	
13	77	98.80	3000	1.15	
15	68	86.36	3000	1.25	BS BSF BSA BSAF
16	64	80.96	3000	1.30	
18	58	71.44	3000	1.45	
21	52	63.33	3000	1.60	
24	45	55.93	3000	1.85	
26	41	51.30	3000	1.60	
30	34	43.68	3000	1.85	
35	28	37.66	3000	2.1	
38	26	35.10	3000	2.2	BS BSF BSA BSAF
43	22	30.68	3000	2.4	
46	20	28.76	3000	2.5	
52	17	25.38	3000	2.8	
59	14	22.50	3000	3.1	
66	12	19.89	3000	3.3	
72	11	18.24	2940	3.5	
85	9	15.53	2810	4.0	
98	8	13.39	2700	4.5	BS BSF BSA BSAF
106	7	12.48	2650	5.0	
121	6	10.91	2550	5.5	
129	5	10.23	2500	6.0	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
0.45	2860	2905	24300	0.85	BS BSF BSA BSAF
0.50	2500	2586	27500	1.00	
0.58	2240	2335	28000	1.10	
0.63	1950	2054	28500	1.30	
0.71	1730	1824	28900	1.45	
0.80	1550	1631	29100	1.60	
1.4	910	930	28800	2.8	
1.4	1230	954	12100	1.00	BS BSF BSA BSAF
1.5	1080	837	13360	1.15	
1.8	910	714	14400	1.35	
2.0	810	637	14900	1.55	
2.3	730	574	15200	1.70	
2.6	625	499	15600	2.0	
2.4	635	543	7420	0.90	BS BSF BSA BSAF
2.8	540	469	8500	1.05	
3.1	485	424	8970	1.15	
3.6	430	365	9390	1.30	
4.1	375	319	9750	1.50	
4.6	330	281	9990	1.75	
4.4	340	294	6720	0.90	BS BSF BSA BSAF
4.8	315	269	6950	0.95	
5.7	270	229	7330	1.10	
6.4	245	204	7530	1.25	
6.9	225	187	7660	1.35	
7.9	198	165	7810	1.50	
9.9	159	131	7990	1.90	
3.1	435	217.41	9350	1.30	BS BSF BSA BSAF
3.6	390	190.11	9670	1.45	
3.8	370	180.60	9770	1.50	
4.3	330	158.45	9980	1.70	BS BSF BSA BSAF
4.1	350	217.41	9890	1.60	
4.8	310	190.11	10100	1.80	
4.9	295	180.60	10100	1.90	
5.6	265	158.45	10300	2.1	
6.0	245	217.41	10300	2.1	
6.8	220	190.11	10400	2.4	BS BSF BSA BSAF
7.2	210	180.60	10500	2.5	
8.2	187	158.45	10500	2.8	
9.7	161	134.40	10600	3.2	
11	147	121.33	10600	3.5	
12	131	108.75	10700	4.0	
4.4	305	201.00	7050	1.00	BS BSF BSA BSAF
4.8	285	184.80	7230	1.05	
5.6	245	158.12	7510	1.20	
6.4	220	137.05	7890	1.35	
6.9	205	128.10	7760	1.45	
6.5	215	201.00	7700	1.35	BS BSF BSA BSAF
7.0	200	184.80	7790	1.45	
8.2	178	158.12	7920	1.70	
9.5	155	137.05	8010	1.90	
10	148	128.10	8040	2.0	
12	129	110.73	8110	2.3	BS BSF BSA BSAF
14	111	94.06	8160	2.7	
15	101	84.00	8190	2.9	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.25kW					
6.5	210	201.00	5120	0.60	BS BSF BSA BSAF
7.0	185	184.80	5210	0.85	
8.2	170	158.12	5340	1.00	
9.5	150	137.05	5440	1.10	
10	141	128.10	5480	1.20	
12	124	110.73	5660	1.35	
14	108	94.06	5630	1.55	
15	98	84.00	5670	1.70	
18	85	71.75	5720	1.95	
19	97	69.39	5640	1.60	
19	80	87.20	5740	2.1	
20	90	63.60	5670	1.70	
24	78	54.59	5720	2.0	
27	68	47.32	5760	2.3	
13	108	98.80	3000	0.80	BS BSF BSA BSAF
15	96	86.36	3000	0.90	
16	91	80.96	3000	0.95	
18	81	71.44	3000	1.05	
21	73	63.33	3000	1.10	
23	78	55.93	3000	1.05	
25	72	51.30	3000	1.15	
30	62	43.68	3000	1.30	
35	54	37.66	3000	1.45	
37	51	35.10	3000	1.55	
42	45	30.68	3000	1.70	
45	42	28.76	3000	1.80	
51	37	25.38	3000	2.0	
58	33	22.50	3000	2.2	
65	32	19.89	2870	1.65	BS BSF BSA BSAF
71	29	18.24	2820	1.80	
84	25	15.53	2710	2.0	
97	22	13.39	2620	2.3	
104	20	12.48	2570	2.4	
119	18	10.91	2480	2.7	
127	17	10.23	2440	2.8	
144	15	9.02	2360	3.1	
163	13	8.00	2290	3.4	
191	11	6.80	2180	3.8	
92	21	28.76	2740	3.0	
105	19	25.38	2650	3.3	
118	17	22.50	2560	3.4	
134	16	19.89	2410	3.8	
146	15	18.24	2350	4.0	BS BSF BSA BSAF
171	13	15.53	2250	4.4	
199	11	13.39	2160	4.8	
213	10	12.48	2120	5.0	
0.67	2810	2054	25400	0.90	BS BSF BSA BSAF
0.76	2490	1824	27500	1.00	
0.85	2230	1631	28000	1.10	
1.5	1320	930	29400	1.90	
1.7	1190	831	29500	2.1	BS BSF BSA BSAF
1.9	1290	714	11500	0.95	
2.2	1150	637	12700	1.10	
2.4	1040	574	13900	1.20	
2.8	900	499	14400	1.40	
3.2	785	438	15000	1.60	
3.5	706	389	15400	1.80	
3.8	616	365	7700	0.95	BS BSF BSA BSAF
4.3	535	319	8540	1.05	
4.9	470	281	9080	1.20	
5.6	425	246	9430	1.35	
2.4	980	288.00	29700	2.5	
2.6	890	258.18	29800	2.8	
3.1	775	222.40	29900	3.2	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
3.0	735	225.28	15200	1.75	BS BSF BSA BSAF
3.2	700	214.00	15300	1.80	
3.6	630	189.09	15600	2.0	
4.2	545	161.60	15900	2.3	
3.5	645	258.47	15600	2.0	BS BSF BSA BSAF
4.0	575	225.28	15800	2.2	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.37kW					
22	103	63.33	3000	0.80	
27	101	51.30	3000	0.80	
32	87	43.66	3000	0.95	
37	76	37.88	3000	1.05	
39	71	35.10	3000	1.10	
45	63	30.68	3000	1.20	
48	59	28.76	3000	1.30	BS 37 D71D4
54	52	25.38	2940	1.40	BSF 37 D71D4
61	47	22.50	2870	1.55	BSA 37 D71D4
68	44	19.89	2610	1.20	BSAF 37 D71D4
76	41	18.24	2570	1.30	
89	35	15.53	2500	1.45	
103	30	13.39	2420	1.60	
111	28	12.46	2390	1.70	
127	25	10.91	2320	1.95	
135	23	10.23	2280	2.0	
153	21	9.02	2220	2.2	
173	18	8.00	2150	2.5	
203	16	6.80	2070	2.7	
104	28	25.38	2540	2.2	
118	25	22.50	2460	2.3	
133	24	19.89	2290	1.85	
145	22	18.24	2250	2.0	BS 37 D63L2
171	19	15.53	2160	2.3	BSF 37 D63L2
198	16	13.39	2080	2.5	BSA 37 D63L2
212	15	12.46	2040	2.7	BSAF 37 D63L2
243	13	10.91	1970	3.0	
259	12	10.23	1940	3.1	
294	11	9.02	1870	3.3	
0.55kW					
1.0	2810	1332	25400	0.90	
1.1	2540	1191	27400	1.00	
1.3	2210	1032	28100	1.15	BS 87 R57 D80K4
1.5	2040	930	28400	1.25	BSF 87 R57 D80K4
1.6	1840	831	28700	1.35	BSA 87 R57 D80K4
1.9	1800	719	29000	1.55	BSAF 87 R57 D80K4
2.2	1400	624	29300	1.80	
2.4	1270	558	29400	1.95	
3.1	1010	435	29700	2.4	
2.7	1380	499	5920	0.90	
3.1	1210	438	12300	1.05	BS 77 R37 D80K4
3.5	1070	389	13300	1.15	BSF 77 R37 D80K4
4.2	910	327	14300	1.35	BSA 77 R37 D80K4
4.7	820	289	14800	1.50	BSAF 77 R37 D80K4
5.4	710	250	15300	1.75	
5.5	650	245	5600	0.90	BS 67 R37 D80K4
6.2	580	221	8080	1.00	BSF 67 R37 D80K4
6.9	530	198	8590	1.10	BSA 67 R37 D80K4
8.1	455	168	9230	1.25	BSAF 67 R37 D80K4
2.4	1450	288.00	29200	1.70	BS 87 D90L8
2.6	1320	258.18	29400	1.85	BSF 87 D90L8
3.1	1150	222.40	29600	2.1	BSA 87 D90L8
					BSAF 87 D90L8
3.1	1130	288.00	29600	2.2	BS 87 D80N6
3.5	1020	258.18	29700	2.4	BSF 87 D80N6
4.1	900	222.40	29800	2.7	BSA 87 D80N6
4.4	820	202.96	29800	2.9	BSAF 87 D80N6
3.0	1090	225.28	13200	1.15	BS 77 D90L8
3.2	1040	214.00	13500	1.20	BSF 77 D90L8
3.6	930	189.09	14200	1.35	BSA 77 D90L8
4.2	810	161.60	14900	1.55	BSAF 77 D90L8
3.5	950	256.47	14100	1.35	BS 77 D80N6
4.0	850	225.26	14700	1.50	BSF 77 D80N6
4.2	810	214.00	14800	1.55	BSA 77 D80N6
4.6	730	189.09	15200	1.75	BSAF 77 D80N6
5.6	630	161.60	15600	2.0	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
5.3	680	258.47	15500	1.90	BS 77 D80K4
6.0	590	225.26	15800	2.2	BSF 77 D80K4
6.4	580	214.00	15800	2.3	BSA 77 D80K4
7.2	505	189.09	16000	2.5	BSAF 77 D80K4
6.3	520	217.41	8880	1.00	
7.2	465	190.11	9150	1.10	
7.5	445	180.00	9300	1.15	
8.6	395	158.45	9620	1.30	BS 67 D80K4
10	340	134.40	9930	1.55	BSF 67 D80K4
11	310	121.33	10100	1.65	BSA 67 D80K4
13	275	108.75	10200	1.85	BSAF 67 D80K4
13	265	100.80	10300	1.95	
18	230	85.83	10400	2.3	
18	230	75.66	10400	2.1	
21	205	65.63	10500	2.3	
9.6	340	94.08	6710	0.85	
11	305	84.00	7030	0.95	
13	265	71.75	7360	1.10	BS 57 D80N6
13	250	67.20	7470	1.15	BSF 57 D80N6
18	245	54.89	7520	1.10	BSA 57 D80N6
19	215	47.32	7710	1.25	BSAF 57 D80N6
20	200	44.22	7790	1.35	
24	176	38.23	7920	1.55	
8.6	370	158.12	6330	0.80	
9.9	330	137.05	6820	0.90	
11	310	128.10	7010	0.95	
12	270	110.73	7320	1.10	
14	235	94.08	7590	1.25	
16	210	84.00	7730	1.40	
18	184	71.75	7880	1.55	BS 57 D80K4
20	174	67.20	7930	1.65	BSF 57 D80K4
25	167	54.89	7960	1.65	BSA 57 D80K4
29	148	47.32	8040	1.70	BSAF 57 D80K4
31	137	44.22	8080	1.80	
36	120	38.23	8130	2.0	
42	103	32.48	7970	2.4	
47	92	29.60	7730	2.7	
55	79	24.77	7390	3.1	
59	75	23.20	7250	3.3	
67	69	20.33	6760	2.4	
18	205	84.00	5140	0.80	
18	178	71.75	5290	0.95	
20	169	67.20	5350	1.00	
25	165	54.89	5130	0.95	
29	144	47.32	5010	1.10	
31	135	44.22	4950	1.15	
36	118	38.23	4810	1.30	
42	101	32.48	4650	1.55	BS 47 D80K4
47	91	29.60	4540	1.70	BSF 47 D80K4
55	79	24.77	4380	2.0	BSA 47 D80K4
59	74	23.20	4310	2.1	BSAF 47 D80K4
67	69	20.33	3920	1.60	
77	60	17.62	3810	1.85	
83	56	16.47	3750	1.95	
96	49	14.24	3630	2.2	
112	42	12.10	3500	2.6	
126	37	10.80	3400	2.9	
147	32	9.23	3270	3.4	

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
0.55kW					
44	94	30.68	2680	0.80	
47	89	28.76	2670	0.85	
54	79	25.38	2630	0.95	
60	70	22.50	2600	1.05	
71	60	19.13	2540	1.20	BS 37 D80K4
88	53	15.53	2230	0.95	BSF 37 D80K4
102	46	13.39	2200	1.10	BSA 37 D80K4
109	43	12.48	2180	1.15	BSAF 37 D80K4
125	37	10.91	2130	1.30	
133	35	10.23	2110	1.35	
151	31	9.02	2070	1.50	
170	28	8.00	2020	1.60	
200	24	6.80	1950	1.80	
84	46	28.76	2420	1.40	
106	41	25.38	2360	1.50	
120	37	22.50	2310	1.55	
136	34	19.89	2100	1.30	
148	32	18.24	2070	1.40	BS 37 D71D2
174	27	15.53	2010	1.55	BSF 37 D71D2
202	24	13.39	1950	1.75	BSA 37 D71D2
216	22	12.48	1920	1.85	BSAF 37 D71D2
246	19	10.91	1870	2.0	
264	18	10.23	1840	2.1	
299	16	9.02	1780	2.2	
338	14	8.00	1730	2.5	
397	12	6.80	1660	2.4	
0.75kW					
1.1	4840	1223	21300	0.85	
1.3	4240	1070	30700	1.00	
1.5	3850	928	33900	1.15	BS 57 R57 D80N4
1.7	3230	824	34600	1.30	BSF 57 R57 D80N4
1.9	2360	714	35900	1.85	BSA 57 R57 D80N4
2.2	2460	626	36700	1.70	BSAF 57 R57 D80N4
2.6	2110	538	36100	2.0	
2.8	1960	484	36300	2.2	
1.3	3030	1032	18700	0.85	
1.5	2780	936	25900	0.99	
1.7	2510	831	2750	1.00	BS 87 R57 D80N4
1.9	2190	719	28100	1.15	BSF 87 R57 D80N4
2.2	1920	624	28600	1.30	BSA 87 R57 D80N4
2.5	1730	558	28900	1.45	BSAF 87 R57 D80N4
3.2	1390	435	29300	1.75	
4.3	1060	323	29800	2.3	
4.2	1240	327	12000	1.00	BS 77 R37 D80N4
4.8	1110	289	13100	1.10	BSF 77 R37 D80N4
5.5	960	250	14000	1.30	BSA 77 R37 D80N4
6.3	850	219	14700	1.45	BSAF 77 R37 D80N4
2.4	2040	286.40	36100	2.1	BS 57 D160M8
2.6	1890	262.22	36300	2.2	BSF 57 D160M8
3.0	1690	231.87	36400	2.5	BSA 57 D160M8
					BSAF 57 D160M8
3.1	1540	288.00	29100	1.60	BS 87 D90S6
3.5	1400	258.18	29300	1.75	BSF 87 D90S6
4.1	1220	222.40	29500	1.95	BSA 87 D90S6
4.4	1120	202.96	29600	2.1	BSAF 87 D90S6
4.8	1050	288.00	29600	2.2	BS 87 D80N4
5.3	950	258.18	29700	2.4	BSF 87 D80N4
6.2	830	222.40	29800	2.8	BSA 87 D80N4
6.8	766	202.96	29900	3.0	BSAF 87 D80N4
4.0	1160	225.26	12700	1.10	BS 77 D90S6
4.2	1110	214.00	13100	1.15	BSF 77 D90S6
4.8	990	189.09	13900	1.30	BSA 77 D90S6
5.6	860	161.60	14600	1.45	BSAF 77 D90S6

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model	
0.75kW						
5.4	890	258.47	14500	1.45		
6.1	790	225.26	14900	1.60		
6.4	755	214.00	15100	1.70		
7.3	675	189.09	15400	1.90	BS	77D80N4
8.5	585	161.60	15800	2.2	BSF	77D80N4
9.3	545	148.15	15900	2.3	BSA	77D80N4
11	480	130.00	16000	2.5	BSAF	77D80N4
11	480	123.20	16000	2.6		
13	405	107.83	16000	2.9		
7.3	625	180.11	7570	0.85		
7.6	585	180.60	7900	0.85		
8.7	530	158.45	8570	1.00		
10	460	134.40	9180	1.15		
11	420	121.33	9470	1.25	BS	67D80N4
13	375	106.75	9750	1.40	BSF	67D80N4
14	355	100.80	9860	1.45	BSA	67D80N4
16	305	85.83	10100	1.70	BSAF	67D80N4
18	310	75.06	10100	1.55		
21	275	65.63	10200	1.75		
22	260	62.35	10300	1.85		
25	230	54.70	10300	2.1		
30	198	48.40	9840	2.4		
13	365	71.75	6430	0.80	BS	57D90S6
13	345	67.20	6660	0.85	BSF	57D90S6
16	295	56.61	7140	1.00	BSA	57D90S6
19	295	47.32	7150	0.90	BSAF	57D90S6
20	275	44.22	7360	1.00		
12	365	110.73	6400	0.80		
15	315	94.08	6930	0.95		
16	285	84.00	7210	1.05		
19	250	71.75	7560	1.18		
21	235	67.20	7590	1.20		
25	225	54.59	7850	1.10		
29	197	47.32	7810	1.25		
31	185	44.22	7870	1.35	BS	57D80N4
36	161	38.23	7980	1.50	BSF	57D80N4
42	138	32.48	7670	1.80	BSA	57D80N4
48	124	29.00	7450	2.0	BSAF	57D80N4
56	107	24.77	7150	2.3		
59	100	23.20	7030	2.5		
68	93	20.33	6490	1.80		
78	81	17.62	6260	2.1		
84	76	16.47	6160	2.2		
97	66	14.24	5930	2.6		
29	194	47.32	4530	0.80	BS	47D80N4
31	182	44.22	4560	0.85	BSF	47D80N4
36	159	38.23	4420	1.00	BSA	47D80N4
42	136	32.48	4310	1.15	BSAF	47D80N4
48	122	28.00	4250	1.25		
56	106	24.77	4310	1.45		
59	99	23.20	4060	1.55		
68	83	20.33	3610	1.20		
78	81	17.62	3530	1.35		
84	76	16.47	3490	1.45	BS	47D80N4
97	66	14.24	3410	1.65	BSF	47D80N4
114	56	12.10	3300	1.95	BSA	47D80N4
128	50	10.80	3230	2.2	BSAF	47D80N4
150	43	9.23	3120	2.5		
160	41	8.64	3070	2.7		
190	34	7.28	2950	3.0		
72	81	18.13	2270	0.85		
111	57	12.48	1930	0.85		
127	50	10.91	1920	0.90	BS	37D80N4
135	47	10.23	1910	1.00	BSF	37D80N4
153	42	9.02	1890	1.10	BSA	37D80N4
173	37	8.00	1860	1.20	BSAF	37D80N4
203	32	6.80	1820	1.35		

输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N · m]	传动 比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model					
0.75kW										
141	43	19.13	2080	1.05	BS BSF BSA BSAF	37	D80K2 D80K2 D80K2 D80K2			
174	37	15.53	1860	1.15						
202	32	13.39	1820	1.30						
216	30	12.48	1800	1.35						
248	28	10.91	1760	1.50						
264	25	10.23	1740	1.55						
299	22	9.02	1690	1.65						
338	19	8.00	1650	1.80						
397	17	6.80	1590	1.75						
1.1kW										
1.7	4720	624	23300	0.90	BS BSF BSA BSAF	97 R57	D90S4 D90S4 D90S4 D90S4			
2.0	3370	714	34400	1.25						
2.2	3590	628	34000	1.15						
2.6	3090	538	34800	1.35						
2.9	2790	484	35200	1.50						
3.3	2430	420	35700	1.75						
2.2	2820	624	25400	0.90				BS BSF BSA BSAF	87 R57	D90S4 D90S4 D90S4 D90S4
2.5	2550	550	27400	1.00						
2.9	2240	485	28000	1.10						
3.2	2040	435	28400	1.20						
3.7	1790	378	28800	1.35						
4.3	1560	323	29100	1.55						
5.0	1370	281	29300	1.75						
5.5	1460	255	29200	1.35						
6.3	1280	222	29400	1.55						
6.8	1200	205	29600	1.65						
6.4	1240	219	12000	1.00	BS BSF BSA BSAF	77 R37	D90S4 D90S4 D90S4 D90S4			
2.4	3030	286.40	34900	1.40	BS	97	D100L8			
2.6	2800	262.22	35200	1.50	BSF	97	D100L8			
2.9	2500	231.67	35600	1.70	BSA	97	D100L8			
3.5	2160	196.52	36000	1.95	BSAF	97	D100L8			
3.2	2310	286.40	35900	1.80	BS	97	D90L6			
3.8	2130	262.22	36000	1.95	BSF	97	D90L6			
4.0	1900	231.67	36300	2.2	BSA BSAF	97	D90L6 D90L6			
3.2	2220	288.00	28100	1.10	BS	87	D90L6			
3.6	2010	258.18	28400	1.20	BSF	87	D90L6			
4.1	1760	222.40	28800	1.35	BSA	87	D90L6			
4.5	1620	202.96	29000	1.45	BSAF	87	D90L6			
4.9	1520	288.00	29100	1.50	BS BSF BSA BSAF	87	D90S4 D90S4 D90S4 D90S4			
5.4	1370	258.18	29300	1.65						
6.3	1200	222.40	29600	1.90						
6.9	1100	202.96	29600	2.0						
7.8	990	180.00	29700	2.2						
9.2	840	151.30	29800	2.5						
6.2	1150	225.26	12800	1.10				BS BSF BSA BSAF	77	D90S4 D90S4 D90S4 D90S4
6.5	1100	214.00	13200	1.15						
7.4	980	189.09	13900	1.30						
8.7	850	161.60	14700	1.50						
9.4	785	148.15	15000	1.60						
11	695	130.00	15400	1.75						
11	685	123.20	15500	1.80						
13	585	107.83	15800	2.0						
14	535	97.14	15900	2.1						
16	470	85.22	16000	2.3						

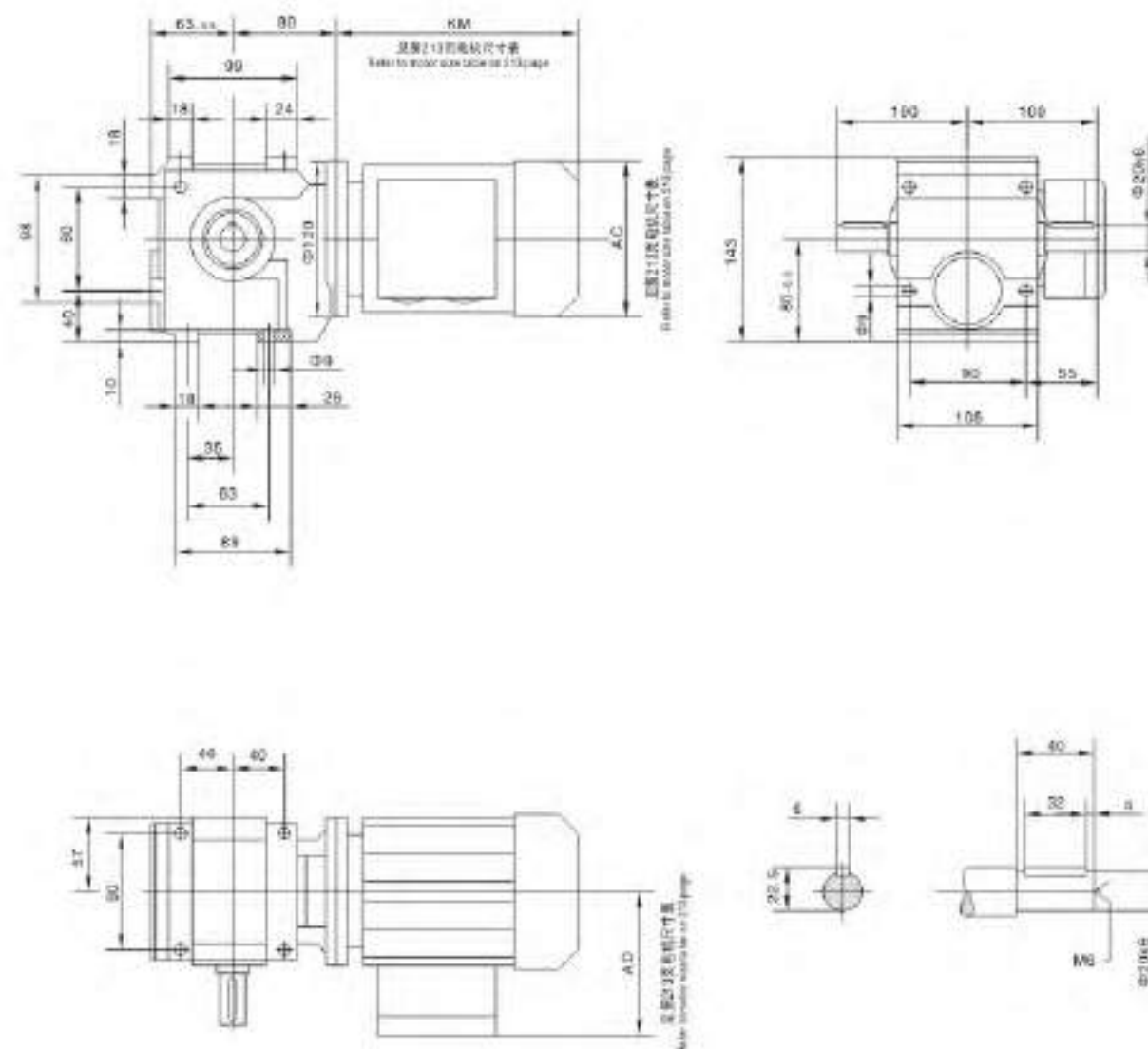
输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	允许 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model					
1.1kW										
12	605	121.33	7790	0.85	BS BSF BSA BSAF	67	D90S4			
13	540	106.75	8490	0.95						
14	515	100.80	8740	1.00						
16	445	85.83	9300	1.15						
18	405	78.00	9550	1.30						
21	400	65.63	9610	1.20						
22	380	62.35	9720	1.25						
26	335	54.70	9560	1.45						
30	285	46.40	9240	1.65						
33	260	41.89	9040	1.85	BS BSF BSA BSAF	57	D90S4			
38	230	36.85	8780	2.1						
40	220	34.80	8660	2.2						
47	187	29.63	8330	2.6						
20	360	71.75	6480	0.80						
21	340	67.20	6710	0.85						
25	290	56.61	7180	0.90						
30	285	47.32	7220	0.85						
32	265	44.22	7360	0.80				BS BSF BSA BSAF	57	D90S4
37	235	38.23	7410	1.05						
43	200	32.48	7170	1.25						
48	179	29.00	7000	1.35						
57	154	24.77	6760	1.60						
60	145	23.20	6680	1.70						
72	123	19.54	6390	1.75						
79	117	17.62	5870	1.45						
85	110	16.47	5780	1.55						
98	95	14.24	5610	1.75	BS BSF BSA BSAF	47	D90S4			
116	82	12.10	5400	2.1						
130	73	10.80	5260	2.3						
152	63	9.23	5060	2.7						
48	177	29.60	3720	0.90						
57	153	24.77	3670	1.00						
60	143	23.20	3840	1.05						
72	122	19.54	3560	1.20						
79	117	17.62	3070	0.95						
85	109	16.47	3060	1.00						
98	95	14.24	3030	1.15	BS BSF BSA BSAF	47	D90S4			
116	81	12.10	2980	1.35						
130	73	10.80	2940	1.50						
152	63	9.23	2870	1.75						
162	59	8.64	2940	1.85						
192	50	7.28	2750	2.1						
175	54	8.00	1570	0.85						
208	46	6.80	1580	0.95						
202	47	13.39	1590	0.85				BS BSF BSA BSAF	37	D90S4
216	44	12.48	1580	0.90						
248	39	10.91	1570	1.00						
264	36	10.23	1580	1.05						
299	32	9.02	1540	1.10						
338	28	8.00	1510	1.25						
397	24	6.80	1470	1.20						
1.5kW										
2.0	4590	714	29100	0.90	BS BSF BSA BSAF	97 R57	D90L4			
2.2	4890	628	19100	0.85						
2.6	4220	538	31100	1.00						
2.9	3810	484	33600	1.10						
3.4	3310	420	34500	1.25						
3.8	2990	376	35000	1.40						
4.3	2630	327	35500	1.50						
2.9	3000	485	17200	0.80				BS BSF BSA BSAF	87 R57	D90L4
3.2	2780	435	25000	0.90						
3.7	2450	378	27600	1.00						
4.4	2130	323	28200	1.15						
5.0	1870	281	28600	1.30						
5.5	2000	255	28400	1.00						
6.3	1750	222	28800	1.15						
6.9	1630	205	29000	1.20						

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 过载 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model	
1.5kW						
2.4	4030	286.40	33100	1.05	BS	97D112M8
2.7	3720	262.22	33700	1.15	BSF	97D112M8
3.0	3330	231.67	34400	1.25	BSA	97D112M8
3.6	2870	196.52	35200	1.45	BSAF	97D112M8
3.2	3150	286.40	34700	1.35	BS	97D100M6
3.5	2910	262.22	35100	1.45	BSF	97D100M6
4.0	2660	231.67	35500	1.60	BSA	97D100M6
4.7	2230	196.52	35900	1.90	BSAF	97D100M6
4.9	2130	286.40	36000	1.90	BS	97D90L4
5.4	1970	262.22	36200	2.0	BSF	97D90L4
6.1	1760	231.67	36400	2.3	BSA	97D90L4
7.2	1510	196.52	36600	2.7	BSAF	97D90L4
3.6	2740	258.18	26500	0.90	BS	87D100M6
4.1	2390	222.40	27700	1.00	BSF	87D100M6
4.5	2260	202.96	28100	1.10	BSA	87D100M6
5.1	1980	180.00	28500	1.20	BSAF	87D100M6
4.9	2060	288.00	28300	1.10	BS	87D90L4
5.5	1860	258.18	28700	1.20		
6.3	1630	222.40	29000	1.40		
6.9	1500	202.96	29200	1.50		
7.8	1340	180.00	29400	1.65		
9.3	1140	151.30	29600	1.90	BSA	87D90L4
10	1060	139.05	29600	2.0	BSAF	87D90L4
11	950	123.48	29700	2.2		
13	850	110.40	29800	2.3		
14	770	99.26	29900	2.5		
7.5	1330	189.09	10600	0.85	BS	77D90L4
8.7	1150	161.60	12700	1.10		
9.5	1060	148.15	10400	1.15		
11	940	130.00	14100	1.30		
11	900	123.20	14400	1.35		
13	795	107.83	14900	1.45		
15	725	97.14	15300	1.60	BS	77D90L4
17	640	85.22	15400	1.70	BSF	77D90L4
19	650	75.09	14100	1.70	BSA	77D90L4
20	620	71.33	14000	1.80	BSAF	77D90L4
21	510	66.67	14800	2.0		
22	550	63.03	13700	2.0		
25	440	56.92	14000	2.3		
26	470	53.67	13200	2.3		
29	435	49.38	13000	2.5		
33	385	43.33	12600	2.9		
16	600	85.83	7850	0.85	BS	67D90L4
18	550	78.00	8380	0.85	BSF	67D90L4
21	540	85.63	8510	0.90	BSA	67D90L4
					BSAF	67D90L4
23	515	82.35	8740	0.95	BS	67D90L4
26	455	54.70	8810	1.05		
30	390	46.40	8590	1.25		
34	355	41.89	8450	1.35		
38	310	38.85	8250	1.55		
41	285	34.80	8160	1.60	BS	67D90L4
48	255	29.63	7900	1.90	BSF	67D90L4
52	230	26.93	7740	2.1	BSA	67D90L4
58	220	24.44	7600	1.55	BSAF	67D90L4
61	210	23.22	8850	1.60		
69	186	20.37	8790	1.85		
82	159	17.28	6580	2.1		
90	144	15.60	6440	2.4		
103	127	13.73	6280	2.7		

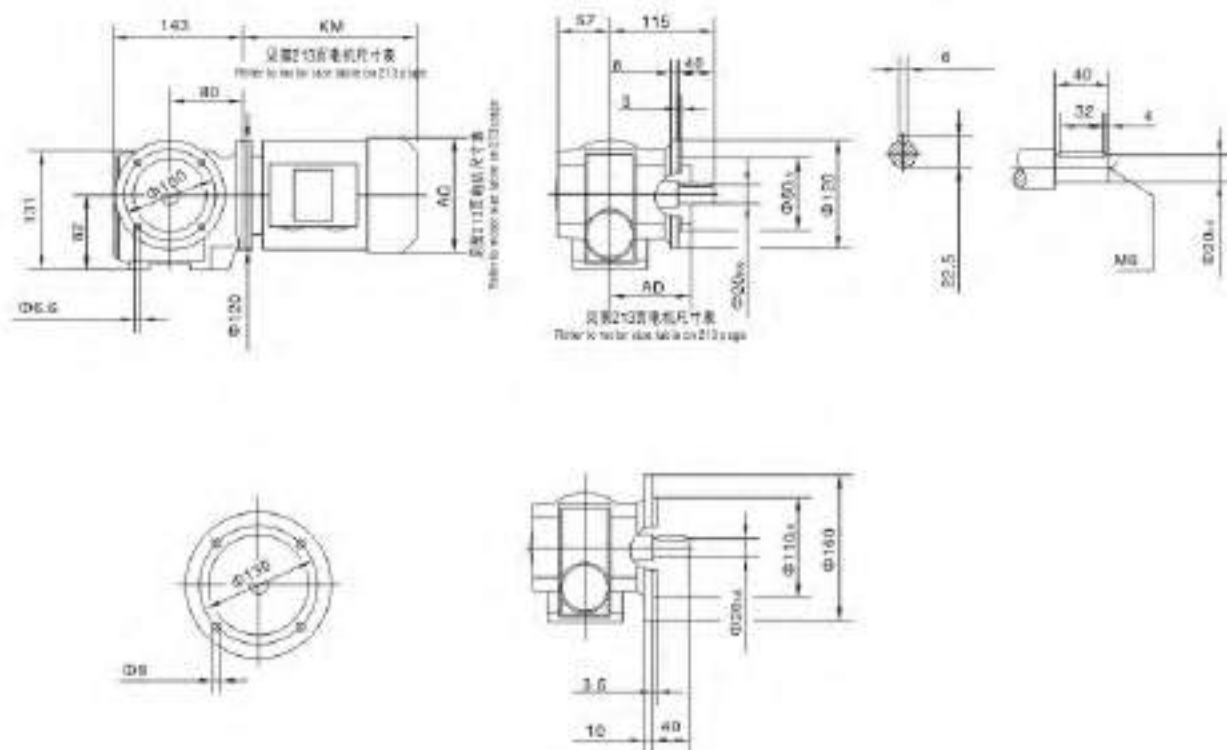
输出 转速 Output speed n_2 [1/min]	输出 转矩 Output torque M_2 [N·m]	传动 比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model		
2.2kW							
11	1390	130.00	6140	0.85	BS BSF BSA BSAF	77	D100M4
11	1320	123.20	11100	0.90			
13	1170	107.83	12600	1.00			
15	1060	97.14	13400	1.10			
17	940	85.22	14100	1.15			
19	840	75.20	13800	1.30			
21	745	66.67	13500	1.40			
22	810	63.03	12400	1.35			
25	645	56.92	13100	1.55			
26	695	53.87	12100	1.60			
29	635	49.38	11900	1.75	77	D100M4	
33	560	43.33	11700	1.95	77	D100M4	
34	535	41.07	11600	2.1			
39	470	35.94	11300	2.3			
44	425	32.38	11000	2.5			
50	375	28.41	10700	2.8			
56	330	25.07	10400	3.1			
62	310	22.89	9490	2.3			
67	285	20.99	9340	2.5			
30	570	46.40	7480	0.85	BS BSF BSA BSAF	67	D100M4
34	515	41.89	7440	0.90			
38	460	36.85	7360	1.05			
41	435	34.80	7320	1.10			
48	370	29.83	7180	1.30			
52	340	26.93	7080	1.40			
60	295	23.33	6920	1.60			
69	275	20.37	6060	1.25			
82	235	17.28	5960	1.45			
90	210	15.60	5880	1.60			
103	188	13.73	5770	1.85			
109	176	12.96	5710	1.95			
128	151	11.03	5550	2.3			
141	137	10.03	5450	2.5			
162	119	8.69	5300	2.8			
99	190	14.24	4640	0.90	BS BSF BSA BSAF	57	D100M4
117	162	12.10	4580	1.05			
131	145	10.80	4520	1.15			
163	124	9.23	4420	1.35			
163	117	8.64	4380	1.40			
194	99	7.28	4250	1.50			
3.0kW							
4.9	4710	28.7	23700	0.90	BS	97R57	D100L4
5.6	4140	25.2	32400	1.00	BSF	97R57	D100L4
6.4	3620	21.9	33900	1.15	BSA	97R57	D100L4
6.8	3400	20.5	34300	1.25	BSAF	97R57	D100L4
4.9	4290	286.40	32800	0.95	BS BSF BSA BSAF	97	D100L4
5.3	3980	262.22	33300	1.00			
6.0	3530	231.67	34100	1.15			
7.1	3040	198.52	34900	1.30			
7.7	2810	180.95	35200	1.40			
8.7	2530	161.74	35600	1.60			
9.6	2300	145.60	35900	1.65			
11	2090	131.85	36100	1.75			
12	1870	116.02	36300	1.90			
13	1700	105.71	36400	2.0			
16	1450	89.60	36600	2.2			
17	1470	80.85	36600	2.2			

输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model
3.0kW					
7.8	2700	180.00	27100	0.80	BS 87 D100L4
9.2	2300	151.30	27900	0.95	
10	2130	139.05	28200	1.00	
11	1900	123.48	28600	1.10	
13	1720	110.40	28900	1.15	
14	1550	99.26	29100	1.25	
16	1360	86.15	29300	1.40	
17	1480	81.78	29200	1.10	
18	1230	77.14	29500	1.50	
20	1260	70.43	29400	1.25	BSAF 87 D100L4
22	1160	64.27	29500	1.40	
25	1030	57.00	29700	1.55	
29	870	47.91	29800	1.85	
32	800	44.03	29800	2.0	
36	715	39.10	29900	2.2	
40	640	34.96	29900	2.5	
16	1290	85.22	11500	0.85	BS 77 D100L4
19	1150	75.20	12500	0.95	BSF 77 D100L4
21	1020	66.67	12400	1.00	BSA 77 D100L4
22	1110	63.03	10900	1.00	BSAF 77 D100L4
25	880	56.92	12100	1.10	BS 77 D100L4
26	950	53.87	10800	1.15	
28	880	49.38	10800	1.25	
32	770	43.33	10700	1.40	
34	735	41.07	10600	1.50	
39	645	35.94	10400	1.70	
43	585	32.38	10300	1.85	
49	515	28.41	10100	2.0	
56	455	25.07	9840	2.2	
61	430	22.89	8680	1.65	BSAF 77 D100L4
67	395	20.99	8590	1.80	
76	345	18.42	8450	2.0	
80	330	17.45	8390	2.2	
92	290	15.28	8210	2.5	
102	260	13.78	8080	2.7	
116	230	12.07	7870	3.1	
131	205	10.65	7670	3.5	
40	595	34.80	6350	0.80	BS 67 D100L4
47	510	29.63	6350	0.95	BSF 67 D100L4
52	465	26.93	6330	1.05	BSA 67 D100L4
60	405	23.33	6270	1.20	BS 67 D100L4
69	375	20.37	5230	0.90	
81	320	17.28	5250	1.05	
90	290	15.60	5240	1.15	
102	255	13.73	5210	1.35	
108	240	12.96	5190	1.40	
127	205	11.03	5100	1.65	
140	188	10.03	5050	1.80	
161	164	8.69	4940	2.0	
185	143	7.56	4830	2.1	BSAF 67 D100L4
130	199	10.80	3990	0.85	BS 57 D100L4
152	171	9.23	3970	1.00	BSF 57 D100L4
162	160	8.64	3960	1.05	BSA 57 D100L4
192	136	7.28	3900	1.10	BSAF 57 D100L4
4.0kW					
6.5	4780	219	22700	0.90	BS 97R57 D112M4
6.9	4490	205	27300	0.95	BSF 97R57 D112M4
8.8	4130	146.60	32900	0.90	BSA 97R57 D112M4
11	3760	131.85	33700	0.95	BSAF 97R57 D112M4
12	3360	116.92	34400	1.05	BS 97 D112M4
14	3060	105.71	34900	1.15	
16	2610	89.60	35500	1.25	
18	2290	78.26	35900	1.35	
20	2360	71.43	35800	1.40	
22	1930	65.45	36200	1.50	
24	2000	60.59	36200	1.65	
26	1850	55.79	36300	1.80	
29	1660	49.87	36500	2.0	
32	1500	44.89	36500	2.2	BSAF 97 D112M4
35	1360	40.85	36700	2.4	

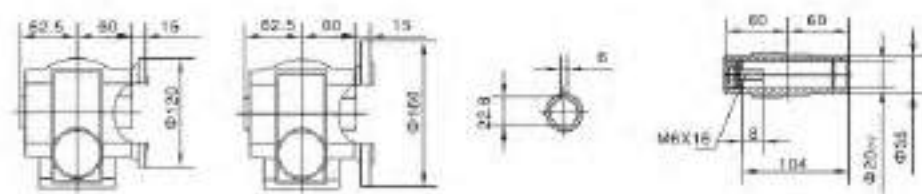
输出转速 Output speed n_2 [1/min]	输出转矩 Output torque M_2 [N·m]	传动比 Ratio i	许用 负荷 Permitted overhung load F_{a2} [N]	使用 系数 Service factor f_s	型号 Model			
4.0kW								
6.1	4660	231.67	28300	0.85	BS BSF BSA BSAF	97 D112M4		
7.2	3990	196.52	33200	1.00				
7.8	3760	180.95	33800	1.05				
8.8	3330	161.74	34400	1.15				
9.8	3020	145.60	34900	1.25				
11	2750	131.85	35300	1.35				
12	2460	116.92	35700	1.45				
13	2250	105.71	35900	1.55				
16	1910	89.60	36300	1.70				
18	1940	80.85	36200	1.65	BS BSF BSA BSAF	87 D112M4		
20	1720	71.43	36400	1.90				
23	1470	60.59	36500	2.2				
25	1350	55.79	36700	2.4				
12	2510	123.48	27500	0.80			BS BSF BSA BSAF	87 D112M4
13	2260	110.40	28000	0.90				
14	2040	99.26	28400	0.95				
16	1790	86.15	28800	1.05				
18	1610	77.14	29000	1.15				
20	1660	70.43	28900	0.95				
22	1520	64.27	29100	1.05				
25	1350	57.00	29300	1.20				
30	1150	47.91	29500	1.40				
32	1060	44.03	29600	1.50				
36	940	39.10	29700	1.70				
41	840	34.96	29800	1.90				
45	760	31.43	29100	2.1				
52	665	27.28	28200	2.4				
56	635	25.50	26600	1.95				
25	1160	56.92	10800	0.85	BS BSF BSA BSAF	77 D112M4		
26	1250	53.87	9250	0.90				
29	1160	49.38	9320	0.95				
33	1020	43.33	9370	1.10				
35	960	41.07	9370	1.15	BS BSF BSA BSAF	77 D112M4		
40	850	35.94	9340	1.30				
44	785	32.38	9290	1.40				
50	675	28.41	9190	1.65				
57	600	25.07	9070	1.70				
62	585	22.89	7850	1.25				
68	520	20.99	7650	1.35				
77	455	18.42	7620	1.55				
81	435	17.45	7590	1.65				
93	380	15.28	7510	1.85				
103	345	13.73	7430	2.1				
118	300	12.07	7310	2.4				
133	265	10.65	7170	2.7				
150	235	9.44	7030	3.1				
176	206	8.06	6830	3.3				
82	420	17.28	3810	0.80			BS BSF BSA BSAF	67 D112M4
91	380	15.60	4180	0.90				
103	335	13.73	4500	1.00				
110	320	12.96	4520	1.05				
129	270	11.03	4530	1.25				
142	245	10.03	4520	1.35				
163	215	8.69	4490	1.55				
188	188	7.56	4430	1.55				
5.5kW								
8.8	4550	161.74	29900	0.85	BS BSF BSA BSAF	97 D132S4		
9.8	4130	146.60	32900	0.90				
11	3760	131.85	33700	0.95				
12	3360	116.92	34400	1.05				
14	3060	105.71	34900	1.15				
16	2610	89.60	35500	1.25				
18	2290	78.26	35900	1.35				
20	2360	71.43	35800	1.40				
22	1930	65.45	36200	1.50				
24	2060	60.59	36200	1.65				
26	1850	55.79	36300	1.80				
29	1660	49.87	36500	2.0				
32	1560	44.89	36600	2.2				
35	1360	40.85	36700	2.4				

BS37..

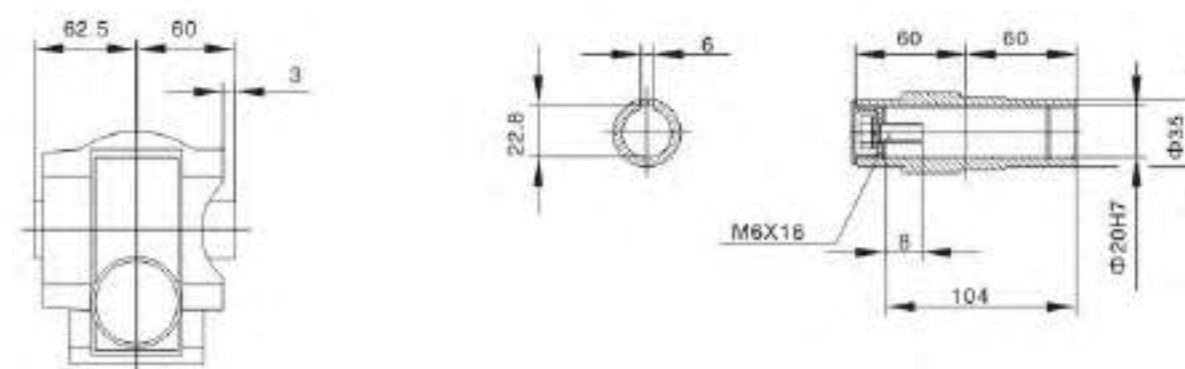
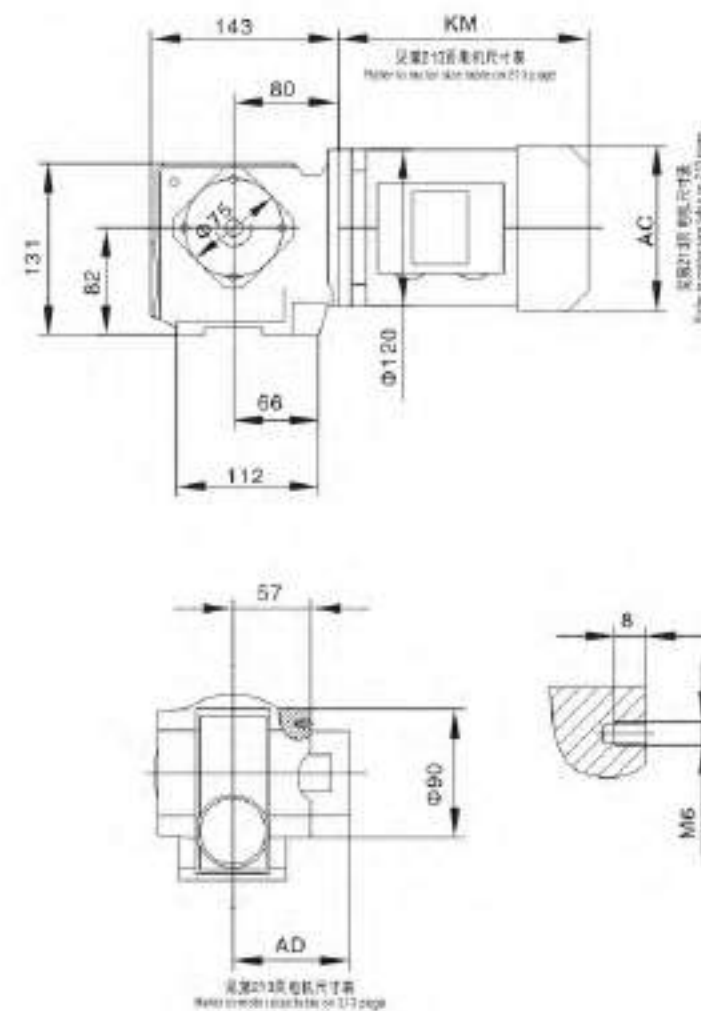
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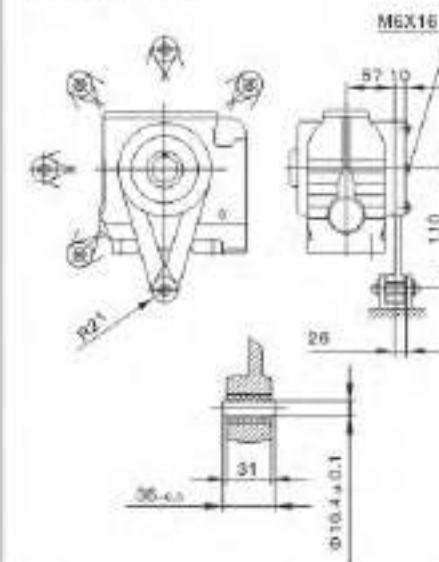
BSAF37..



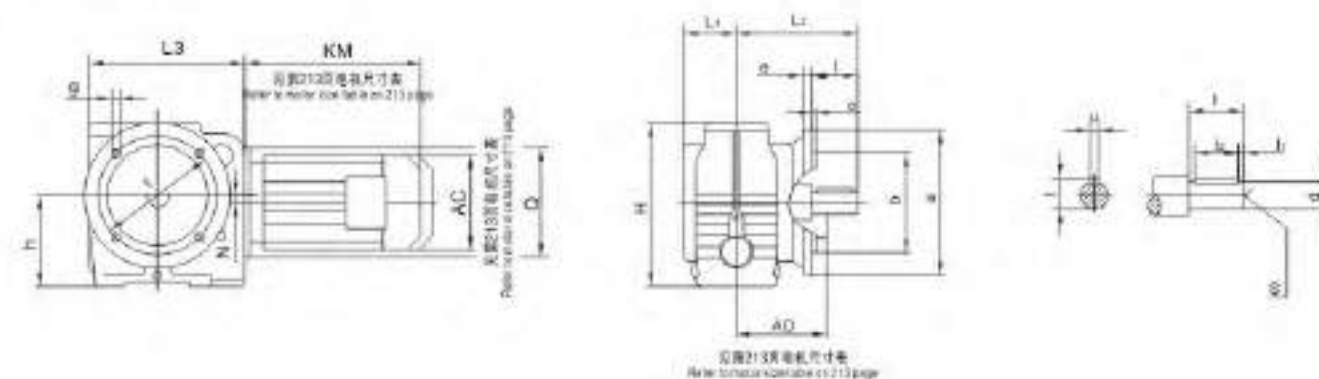
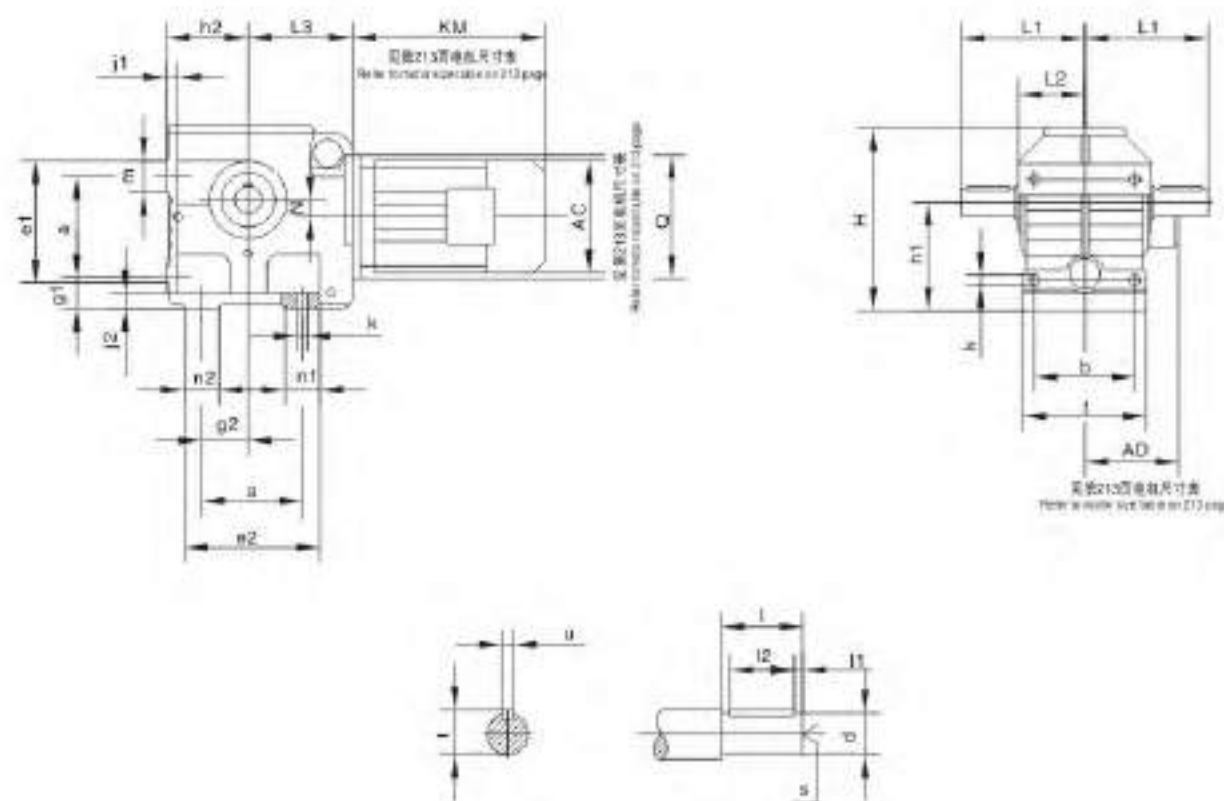
BSA37..



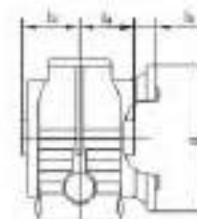
BS..37/T



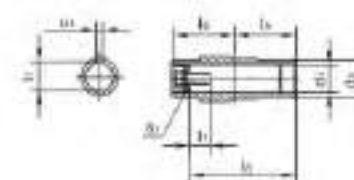
BSF47..~BSF97..



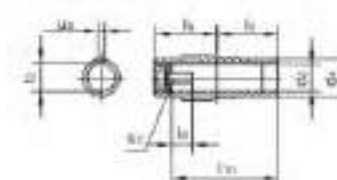
BSAF47..~BSAF97..



空心轴 |
Hollow shaft dimension



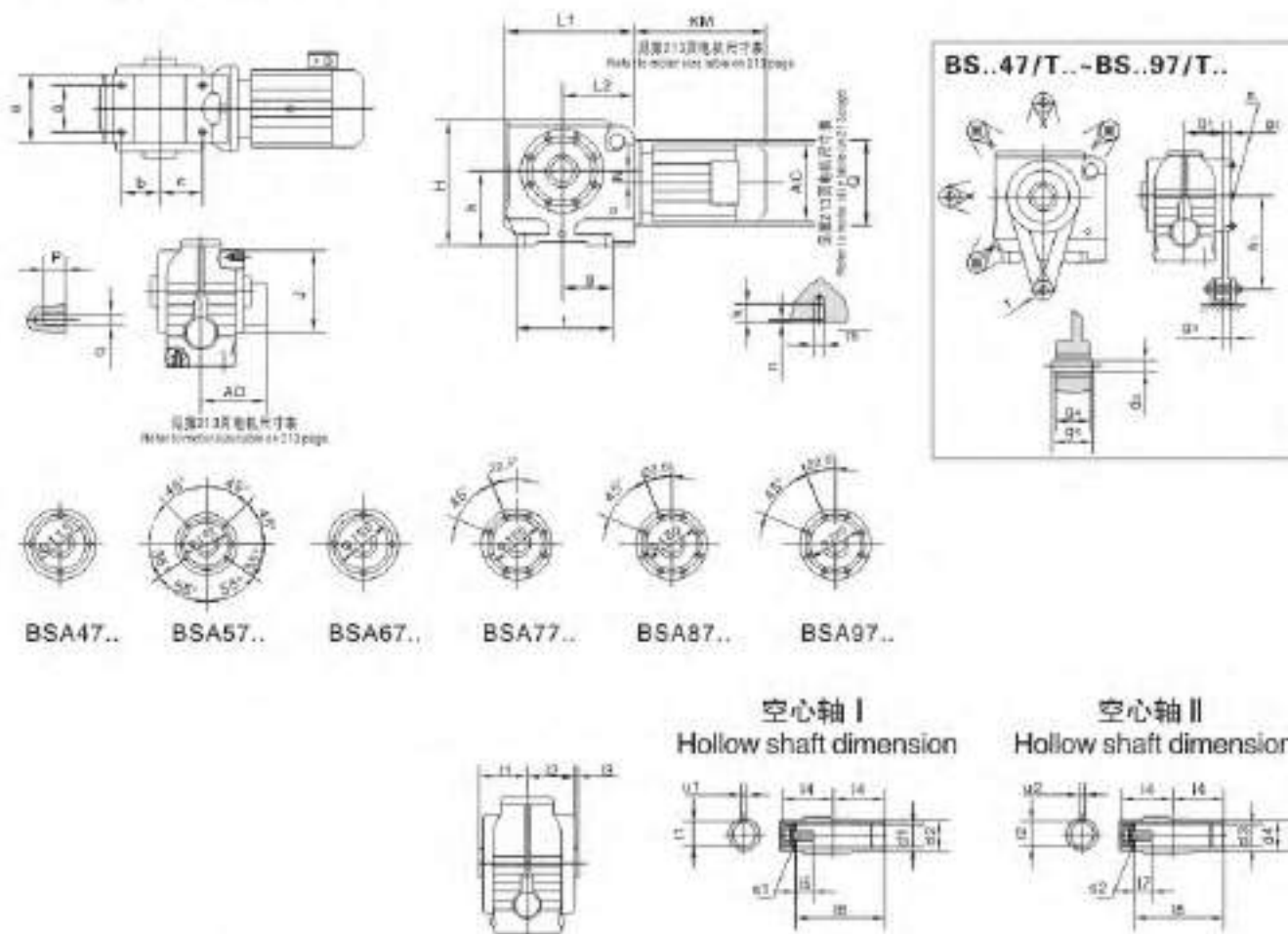
空心轴 II
Hollow shaft dimension



型号 Model	a b	g1 g2 f	h1 h2	j1 j2 k	m n1 n2	轴伸尺寸 Shaft dimension				L1 L2 L3	H	N Q	
						d f	l1 l2	s	t u				
BS47..	80	105	35	100 _{-0.5}	12	25	25k6	5	M10	28	115	165	8 120
	100	112	35	75 _{-0.5}	15	30	50	40		8	60		
		120			11	30					96		
BS57..	100	130	35	112 _{-0.5}	12	30	30k6	3.5	M10	33	134	189	20 120
	110	130	45	80 _{-0.5}	15	30	60	50		8	71		
		136			11	30					107		
BS67..	130	170	40	140 _{-0.5}	15	40	35k6	7	M12	38	160	236	22 160
	175	175	60	106 _{-0.5}	20	45	70	58		10	85.5		
	130	160			13.5	45					135		
BS77..	135	177	70	180 _{-0.5}	25	42	45k6	5	M16	48.5	195	301	34 200
	150	204	75	125 _{-0.5}	25	50	90	80		14	101		
		185			17.5	69					162		
BS87..	180	230	82	225 _{-0.5}	30	50	60m6	5	M20	64	255	368	37.5 250
	200	247	92	150 _{-0.5}	30	60	120	110		18	130		
		250			22	67					190		
BS97..	235	295	90	280 ₋₁	35	80	70m6	7.5	M20	74.5	295	455	52 300
	250	320	115	180 _{-0.5}	35	80	140	125		20	150		
		300			26	85					240		

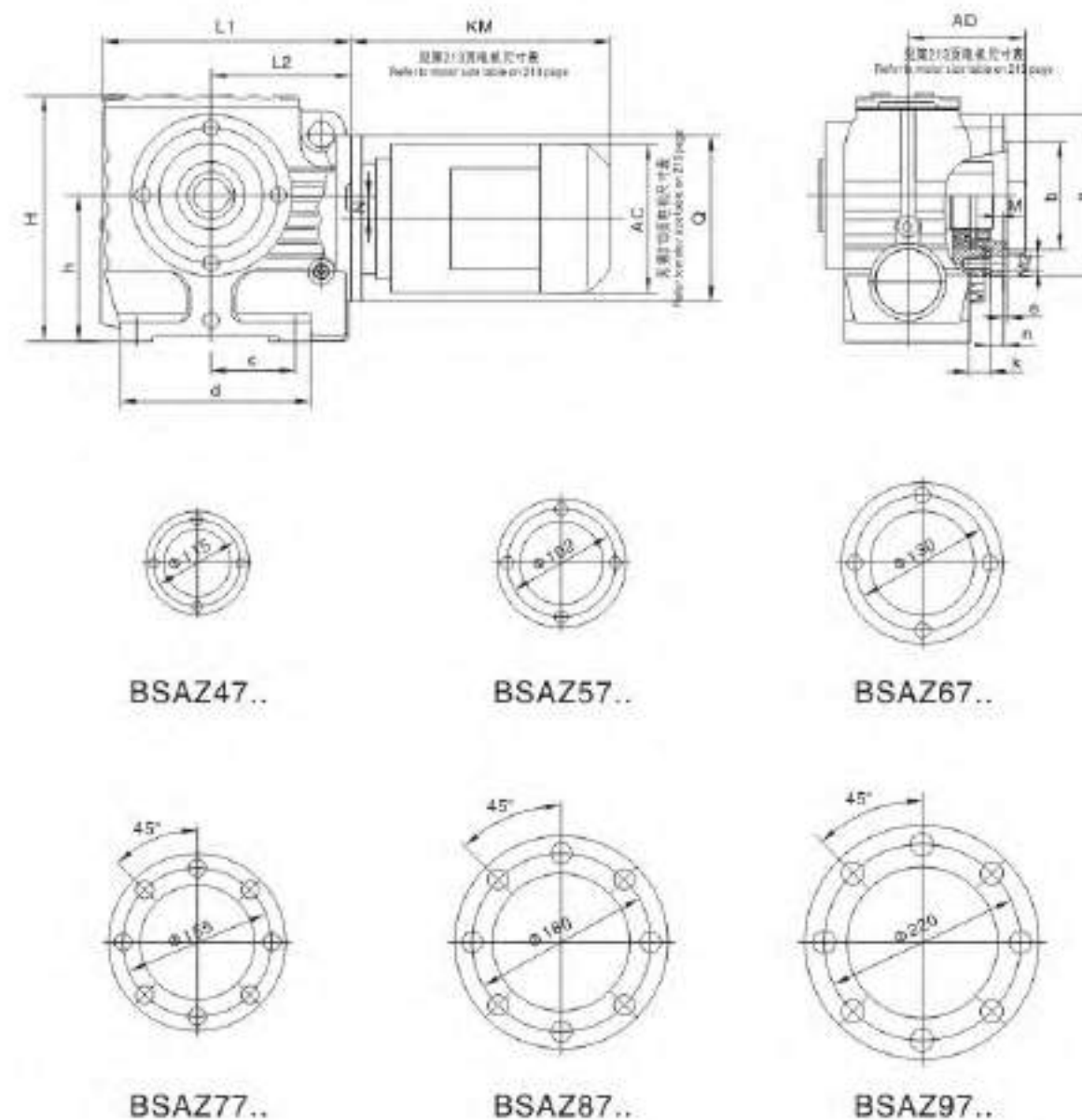
型号 Model	法兰 型式 flange form	a b	c e	f g h	轴算尺寸 Shaft dimension			空心轴 I 尺寸 Hollow shaft I dimension				空心轴 II 尺寸 Hollow shaft II dimension			H	L1 L2 L3	N O
					d I	l l2	s t u	d1 d2	l3 l4 l6	l5 l7 l8	s t u	d3 d4	l5 l10	s2 t2 u2			
BSF47.. BSAF47..	Fig.1	160 110j6	3.5 10	130 9 100	25k6 50	5 40	M10 26 8	30 ⁺⁰ 45	63 60 24	60 17 105	M10X25 33.3 8	25 ⁺⁰ 45	17 105	M10X25 28.3 8	179	57.5 133.5 171	8 120
BSF57.. BSAF57..	Fig.1	200 130j6	3.5 12	165 11 112	30k6 60	3.5 50	M10 33 8	35 ⁺⁰ 50	78 75 25	75 22 132	M12X30 38.3 10	30 ⁺⁰ 50	17 132	M10X25 33.3 8	189	72 160 187	20 120
BSF67.. BSAF67..	Fig.1	200 130j6	3.5 12	165 11 140	35k6 70	7 58	M12 38 10	45 ⁺⁰ 65	87 84 42.5	84 28 144	M16X40 48.8 14	40 ⁺⁰ 65	29 144	M16X40 43.3 12	236	80.5 190 242	22 160
BSF77.. BSAF77..	Fig.1	250 180j6	4 15	215 13.5 180	45k6 90	5 80	M16 48.5 14	60 ⁺⁰ 80	108 105 45.5	105 37 180	M20X50 64.4 18	50 ⁺⁰ 80	32 183	M16X45 53.8 14	301	121 232 287	34 200
BSF87.. BSAF87..	Fig.1	350 250h6	5 18	300 17.5 225	60m6 120	5 110	M20 64 18	70 ⁺⁰ 95	128 125 52.5	125 34 220	M20X50 74.9 20	60 ⁺⁰ 95	38 220	M20X50 64.4 18	368	145 290 340	37.5 250
BSF97.. BSAF97..	Fig.2	450 350h6	5 22	400 17.5 280	70m6 140	7.5 125	M20 74.5 20	90 ⁺⁰ 120	149 145 60	145 41 255	M24X60 95.4 25	70 ⁺⁰ 120	34 260	M20X50 74.9 20	455	185 340 420	52 300

BSA47...~BSA97..



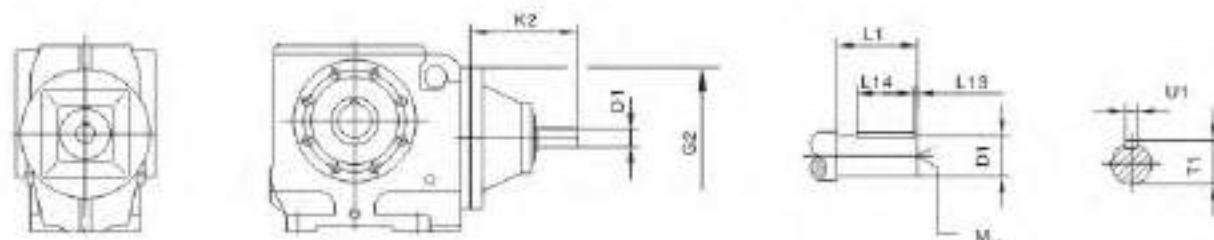
型号 Model	a b c	e f g	h	k m h	p q	空心轴 I 尺寸 Hollow shaft dimension				空心轴 II 尺寸 Hollow shaft dimension			扭矩臂尺寸 Torque arm form			H L1 L2	N Q
						d1 d2	i1 i2 i3	i4 i5 i6	s1 i1 u1	d3 d4	i7 i8	s2 i2 u2	g1 g2 g3	g4 g5 h1	d5 r s3		
BSA47.. BS..47/T..	60	94	100	20	12	30 ^{H7}	63	60	M10X25	25 ^{H7}	17	M10X25	57.5	31	10.4±0.1	179	8 120
	35	127		M10	45	60	17	33.3	45	105	28.3	15	36-0.3	21	171		
	52	67		4	M8	2.5	105	8	8	20.5	130	M8X25	96				
BSA57.. BS..57/T..	60	100	112	20	12	35 ^{H7}	78	75	M12X30	30 ^{H7}	17	M10X25	72	31	10.4±0.1	189	20 120
	58.5	146		M10	50	75	22	38.3	50	132	33.3	15	36-0.3	21	187		
	58.5	73		4	M8	3	132	10	8	18.5	160	M8X25	107				
BSA67.. BS..67/T..	88	128	140	25	20	45 ^{H7}	87	84	M16X40	40 ^{H7}	29	M16X40	80.5	31	10.4±0.1	236	22 160
	71.5	182		M12	65	84	29	48.8	65	144	43.3	18	36-0.3	21	242		
	80.5	95.5		5	M12	3.5	144	14	12	19.5	200	M12X35	135				
BSA77.. BS..77/T..	102	154	180	32	20	60 ^{H7}	108	105	M20X50	50 ^{H7}	32	M16X45	101	54	16.4±0.06	301	34 200
	85	204		M16	80	105	37	64.4	80	183	53.8	18	60-0.3	30	287		
	85	104		6	M12	4	180	18	14	32.5	250	M12X35	162				
BSA87.. BS..87/T..	118	194	225	32	28	70 ^{H7}	128	125	M20X50	60 ^{H7}	36	M20X50	120	54	16.4±0.06	388	37.5 250
	115	266		M16	95	125	34	74.9	95	220	64.4	24	60-0.3	30	340		
	110	125		6	M16	5	220	20	18	25.5	310	M16X45	190				
BSA97.. BS..97/T..	160	236	280	36	28	90 ^{H7}	149	145	M24X60	70 ^{H7}	34	M20X50	140	72	25±0.08	455	52 300
	135	301		M20	120	145	41	95.4	120	260	74.9	26	80-0.3	40	420		
	113	140		6	M16	5	255	25	20	33	380	M16X50	240				

BSAZ47...~BSAZ97..



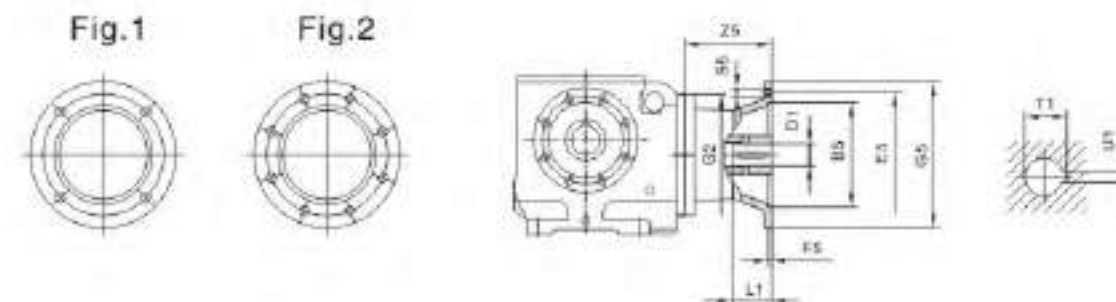
型号 Model	a	b	c	d	e	h	H	k	L1	L2	M	M1	M2	N	n	Q
BSAZ47..	130	95j6	67	127	3	100	179	12	171	96	8.5	M8	9	8	11	120
BSAZ57..	120	80j6	73	146	3	112	189	12	187	107	8	M8	9	20	11	120
BSAZ67..	155	105j6	95.5	182	3.5	140	236	20	242	135	9.5	M12	13.5	22	13	160
BSAZ77..	180	125j6	104	204	4	180	301	18.5	287	162	14.5	M12	13.5	34	18.5	200
BSAZ87..	215	150j6	125	260	5	225	368	23.5	340	190	18.5	M16	17.5	37.5	23.5	250
BSAZ97..	260	180j6	140	301	5	280	455	23.5	420	240	18.5	M16	17.5	52	23.5	300

BS..AD..



减速箱规格 Gear unit type	联接盘规格 Motor adcopator	G2	K2	D1	L1	L13	L14	T1	U1	M
BS..37 BS..47,S..57	AD1	120	102	16	40	4	32	18	5	M5
	AD2		130	19	40	4	32	21.5	6	M6
BS..67	AD2	160	123	19	40	4	32	21.5	6	M6
	AD3		159	24	50	5	40	27	8	M8
BS..77	AD2	200	116	19	40	4	32	21.5	6	M6
	AD3		151	24	50	5	40	27	8	M8
	AD4		224	38	80	5	70	41	10	M12
BS..87	AD2	250	111	19	40	4	32	21.5	6	M6
	AD3		156	28	60	5	50	31	8	M10
	AD4		219	38	80	5	70	41	10	M12
	AD5		292	42	110	10	70	45	12	M16
BS..97	AD3	300	151	28	60	5	50	31	8	M10
	AD4		214	38	80	5	70	41	10	M12
	AD5		287	42	110	10	70	45	12	M16
	AD6		327	48	110	10	80	51.5	14	M16

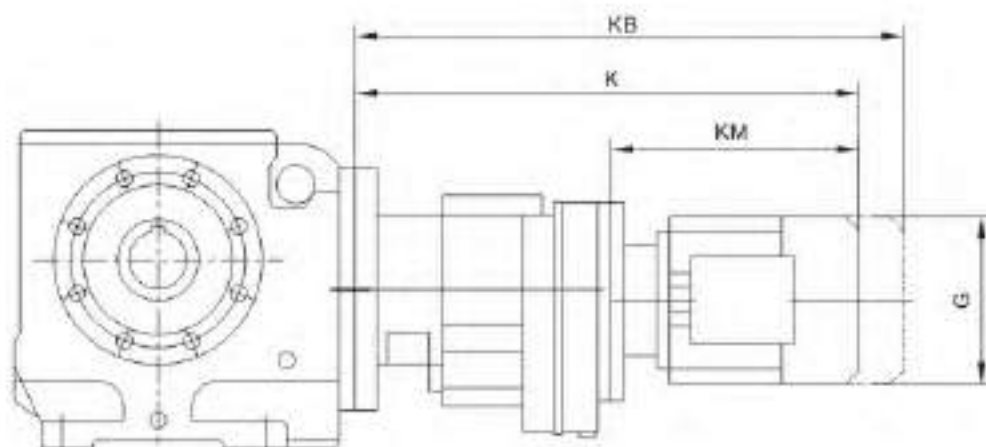
BS..AM..



减速箱规格 Gear unit type	联接盘规格 Motor adcopator	Fig	B5	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1	
BS..37 BS..47,S..57	AM63	1	95	115	3.5	120	140	M8	72	11	23	12.8	4	
	AM71 ¹⁾		110	130			160			14	30	16.3	5	
	AM80 ¹⁾		130	165	4.5		200	M10		19	40	21.8	6	
	AM90 ¹⁾						24			50	27.3	8		
BS..67	AM63	1	95	115	3.5	160	140	M8	66	11	23	12.8	4	
	AM71		110	130			160			14	30	16.3	5	
	AM80		130	165	4.5		200	M10		19	40	21.8	6	
	AM90						24			50	27.3	8		
	AM100 ¹⁾		180	215	5		250	M12		28	60	31.3	8	
	AM112 ¹⁾													
BS..77	AM63	1	95	115	3.5	200	140	M8	60	11	23	12.8	4	
	AM71		110	130			160			14	30	16.3	5	
	AM80		130	165	4.5		200	M10		19	40	21.8	6	
	AM90						24			50	27.3	8		
	AM100 ¹⁾		180	215	5		250	M12		28	60	31.3	8	
	AM112 ¹⁾													
	AM132S ¹⁾		230	265	5		300	M12		179	38	80	41.3	10
	AM132M ¹⁾													
	AM132ML ¹⁾													
BS..87	AM80	1	130	165	4.5	250	200	M10	87	19	40	21.8	6	
	AM90						24			50	27.3	8		
	AM100		180	215	5		250	M12		121	28	60	31.3	8
	AM112													
	AM132MS		230	265	5		300	M12		174	38	80	41.3	10
	AM132M													
	AM132ML													
	AM160 ¹⁾		250	300	6		350	M16		232	42	110	45.3	12
AM180 ¹⁾	48	51.8				14								
BS..97	AM100	1	180	215	5	300	250	M12	116	28	60	31.3	8	
	AM112													
	AM132S		230	265	5		300	M12		169	38	80	41.3	10
	AM132M													
	AM132ML		250	300	6		350	M16		227	42	110	45.3	12
	AM160						48			51.8	14			
	AM180		300	350	7		400	M16		268	55	59.3	16	
	AM200 ¹⁾													
	AM225 ¹⁾		2	350	400		7	450			283	60	140	64.4

1) 如果安装在BS系列脚安装方式的减速机中，请检查尺寸G5/2，它可能已突出安装平面。
Dimension G5/2 May protrude past foot mounting surface if mounted on BS foot-mounted gear unit, please check.

BS..R..



减速箱规格 Gear unit type	电机规格 Motor type	G	K	KB	KM
BS..37R17	D63..	155	368	425	193
	D71D	155	369	433	194
	D80..	155	419	483	244
BS..47R17 BS..57R37	D63..	155	400	425	193
	D71D	155	401	433	194
	D80..	155	451	483	244
BS..67R37	D63..	155	410	457	235
	D71D	155	401	465	236
	D80..	155	451	515	286
BS..77R37	D90..	155	451	536	286
	D63..	155	392	449	235
	D71D	155	393	457	236
BS..87R57	D80..	155	443	507	286
	D90..	210	443	528	286
	D63..	155	445	502	229
BS..97R57	D71D	155	445	509	229
	D80..	155	495	559	279
	D90..	210	495	580	279
BS..107R57	D100M	210	545	630	329
	D100L	210	565	650	349
	D63..	155	440	497	229
BS..112M	D71D	155	440	504	229
	D80..	155	490	554	279
	D90..	210	510	595	299
BS..127M	D100M	210	540	625	329
	D100L	210	560	645	349
	D112M	240	575	655	364

注：上表中点尺寸尺寸为参考尺寸，因空间限制对电机尺寸有严格要求时请向我公司咨询。
Notes: The dimension of motor in the above table is only reference. If you have special require require. Please consult us.

9. 设计和装配注意事项 Important notes of design and mounting

9.1 拆装单键空心轴减速机

9.1 Installation/removal of gear units with hollow shafts and keys

重要提示 Installation

- 在装配过程中一定要使用所供应的润滑剂。它的作用是防止接触腐蚀和便于拆卸。
Always use the supplied NOCO Fluid paste during the assembly procedure. It avoids contact corrosion and easy for disassembly.
- 键的尺寸X是有用户确定，但X必须>DK。
The key dimension X is defined by the customer, however X must be >DK.

安装 Customer shaft

推荐两种方法将用户轴安装到单键空心轴上。
Recommends two methods for mounting gear unit with hollow shafts and keys onto the input shaft of the driven machine(=customer shaft):

1. 用提供的固定件进行装配
Install with supplied fastening elements
2. 用可选件拆卸工具进行装配
Install using the optional installation/removal kit

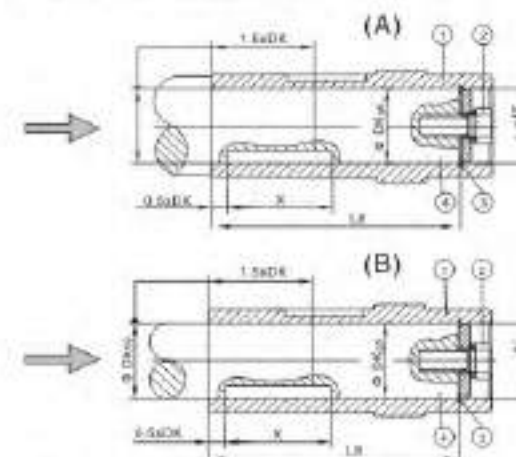
9.1.1 提供的固定件

9.1.1 Supplied fastening elements

标准产品提供下列固定件：
The following fastening elements are supplied as standard:

带垫片的紧固螺栓
Retaining screw with washer①

孔用挡圈
Circlip②



带轴肩的用户轴
用户轴的安装长度必须为L8-1(mm)(图)
Installation length of customer shaft with contact shoulder(A) must be L8-1mm
用户轴不带轴肩
安装长度必须等于L8(图)
Installation length of customer shaft with contact shoulder(B) must equal to L8
紧固螺栓要拧紧到MS所示拧紧力矩值
The retaining screw ② must be tightened to the tightening torque MS listed in the following table
① 空心轴 Hollow shaft
② 带垫片的紧固螺栓 Retaining screw with washer
③ 孔用挡圈 Circlip
④ 用户轴 Customer shaft

图：空心轴组示意图(带轴肩的用户轴)
Fig: Customer shaft with contact shoulder(A) and with contact shoulder(B)

减速器型号 Gear unit type	D ₁ [mm]	DK[mm]	L8[mm]	MS[Nm]
BSA..37	20	20	84,106,104	8
BSA..47	25	25	105	20
BFA..37,BKA..37,BSA..47,BSA..57	30	30	105 132	20
BFA..47,BKA..47,BSA..57	35	35	132	20
BFA..57,BKA..57 BFA..67,BKA..67 BSA..67	40	40	142 156 144	40
BSA..67	45	45	144	40
BFA..77,BKA..77,BSA..77	50	50	183	40
BFA..87,BFA..87, BSA..77,BSA..87,	60	60	210 180,220	80
BFA..97,BFA..97, BSA..87,BSA..97,	70	70	270 220,260	80
BFA..107,BKA..107,BSA..97	90	90	313,313,255	200
BFA..127,BKA..127,	100	100	373	200
BFA..157,BKA..157,	120	120	460	200

9.1.2 拆装工具

9.1.2 Installation / removal kit

可使用的选项：拆装工具进行装配。可以通过表中给出的零件号订购减速机的拆装工具。

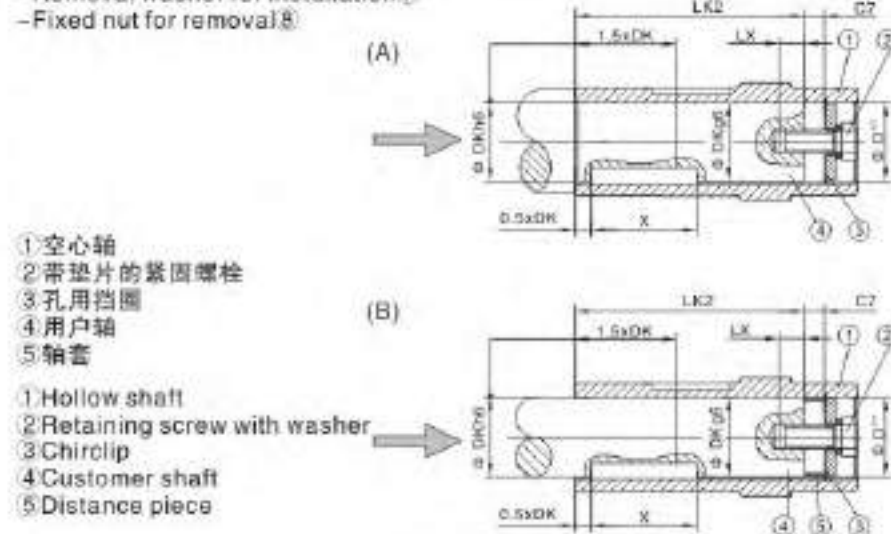
拆装工具包含以下零件：

- 对没有轴肩的用户轴装配所有的轴套
- 拆卸用的压盘
- 装配用的紧固螺栓
- 拆卸用的锁母

You can use the optional installation/removal kit for installation. The kit can be ordered for the specific gear unit types by quoting the part numbers in the table below.

The accessories of the tools including:

- Distance piece for installation without contact shoulder (5)
- Retaining screw for installation (2)
- Removal washer for installation (7)
- Fixed nut for removal (8)



带轴肩的用户轴
安装长度LK2【→图A】不使用轴套
The installation length of the customer shaft must be LK2.
The distance piece must not be used if the customer shaft does have a contact shoulder(A).

不带轴肩的用户轴
安装长度LK2【→图B】轴套必须使用
The installation length of the customer shaft must be LK2.
The distance piece must not be used if the customer shaft does have a contact shoulder(B).

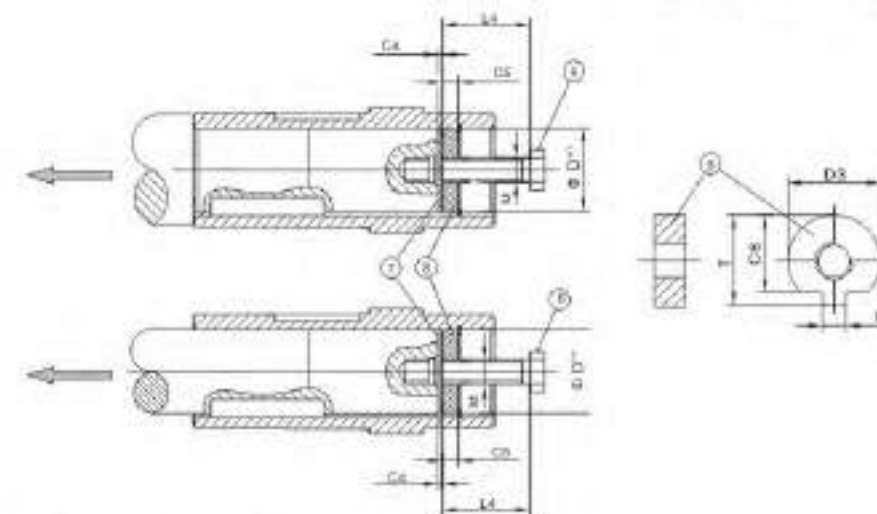
图：带轴肩的用户轴 (A) 和不带轴肩的用户轴 (B)
Fig: Customer shaft with contact shoulder (A) and without contact shoulder (B)

减速机型号 Gear unit type	D ¹ [mm]	DK[mm]	LK2[mm]	LX ² [Nm]	C7[Nm]	MS[Nm]
BSA..37	20	20	92	16	12	8
BSA..47	25	25	89	22	16	20
BFA..37,BKA..37,BSA..47 BSA..57	30	30	89 89,116	22	16	20
BFA..47,BKA..47,BSA..57	35	35	114	28	18	20
BFA..57,BKA..57 BFA..67,BKA..57 BSA..67	40	40	124 138,138,126	36	18	40
BSA..67	45	45	126	36	18	40
BFA..77,BKA..77,BSA..77	50	50	165	36	18	40
BFA..87,BKA..87 BSA..77,BSA..87	60	60	188 158,198	42	22	80
BFA..97,BKA..97 BSA..87,BSA..97	70	70	248 198,238	42	22	80
BFA..107,BKA..107,BSA..97	90	90	287 229	50	26	200
BFA..127,BKA..127	100	100	347	50	26	200
BFA..157,BKA..157	120	120	434	50	26	200

拆卸 Removal

用拆装工具进行装配，须按以下步骤进行拆卸

1. 拆下紧固螺栓⑥
 2. 拆下挡圈③，若使用了轴套⑤也一并拆下
 3. 在用户轴④和挡圈③之间按图13装上压盘⑦和锁母⑧
 4. 重新装上挡圈③
 5. 重新装上紧固螺栓⑥
- 这样就可以把轴拆下来。



- ⑥螺栓 Retaining screw
- ⑦压盘 Removal washer
- ⑧拆卸用锁母 Fixed nut for removal

Applies prior installation with the installation/removal kit only.

Proceed as follows for removal:

1. Remove the retaining screw (6)
2. Remove the Circlip (3) and if used, the distance piece (5)
3. Insert the removal washer (7) and the fixed nut (8) between the customer shaft (4) and circlip (3) according to Fig.
4. Re-insert the circlip (3)
5. Re-insert the retaining screw (6). You can now push the gear unit off the shaft.

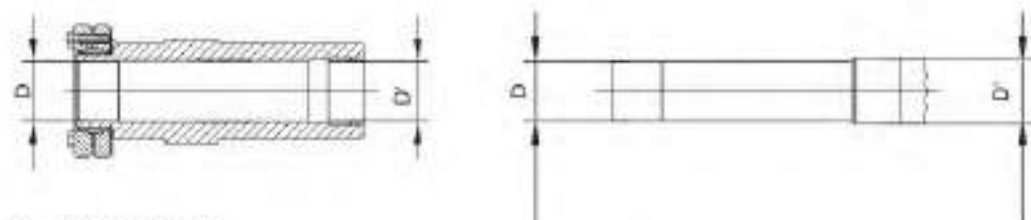
图：空心轴拆卸示意图
Fig: Removal

型号 Model	D ¹ [mm]	M	C4[mm]	C5[mm]	C6[mm]	U ^{1,2} [mm]	T3 ^{1,2} [mm]	D ^{1,2,3} [mm]	拆装工具零件号 Installation/ removal kit part number
BSA..37	20	M6	5	6	15.5	5.5	22.5	19.7	25
BSA..47	25	M10	5	10	20	7.5	28	24.7	35
BFA..37,BKA..37,BSA..57	30	M10	5	10	25	7.5	33	29.7	35
BFA..47,BSA..57	35	M12	5	12	29	9.5	38	34.7	45
BFA..57,BKA..57,BFA..67,BKA..67,BSA..67	40	M16	5	12	34	11.5	41.9	39.7	50
BSA..67	45	M16	5	12	38.5	13.5	48.5	44.7	50
BFA..77,BKA..77,BSA..77	50	M16	5	12	43.5	13.5	53.5	49.7	50
BFA..87,BKA..87,BSA..77,BSA..87	60	M20	5	16	56	17.5	64	59.7	60
BFA..97,BKA..97,BSA..97	70	M20	5	16	65.5	19.5	74.5	69.7	60
BFA..107,BKA..107,BSA..97	90	M24	5	20	80	24.5	95	89.7	70
BFA..127,BKA..127	100	M24	5	20	89	27.5	106	99.7	70
BFA..157,BKA..157	120	M24	5	20	107	31	127	119.7	70

9.2 带轴阶的空心轴和锁紧盘选件

9.2 Shouldered hollow shaft with shrink disk (option)

带空心轴锁紧盘的减速机(BFH/FHF/FHZ37-157)平行轴减速机BKH/KHF/KHZ37-157斜齿轮-锥齿轮减速机和BSH/SHF47-97斜齿轮蜗轮蜗杆减速机。可提供较大的轴孔直径D'作为选件, D=D'为标准产品。
Gear unit with a hollow shaft and shrink disk (parallel shaft helical gear units BKH/KHF/KHZ37-157 helical gear-worm gear units and BSH/SHF47-97 helical gear-worm gear units). Can be supplied with an optional larger hole diameter D'. The standard is D'=D.



图：选件轴孔直径D'
Fig: Optional hole diameter D'

减速机型号 Gear unit size	孔径 D/D' Hole diameter
BFH/FHF/FHZ37, BKH/KHF/KHZ37, BSH/SHF/SHZ47	30/32
BFH/FHF/FHZ47, BKH/KHF/KHZ47, BSH/SHF/SHZ57	35/36
BFH/FHF/FHZ57, BKH/KHF/KHZ57	40/42
BFH/FHF/FHZ67, BKH/KHF/KHZ67, BSH/SHF/SHZ67	40/42
BFH/FHF/FHZ77, BKH/KHF/KHZ77, BSH/SHF/SHZ77	50/52
BFH/FHF/FHZ87, BKH/KHF/KHZ87, BSH/SHF/SHZ87	65/66
BFH/FHF/FHZ97, BKH/KHF/KHZ97, BSH/SHF/SHZ97	75/76
BFH/FHF/FHZ107, BKH/KHF/KHZ107	95/96
BFH/FHF/FHZ127, BKH/KHF/KHZ127	105/106
BFH/FHF/FHZ157, BKH/KHF/KHZ157	125/126

订购带轴阶的空心轴减速机(可选轴孔直径D')必须注明D/D'尺寸。

例如: BFH37 D80N4 30/32

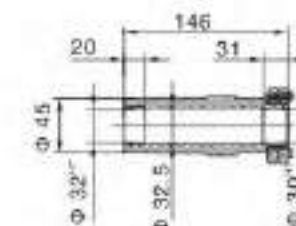
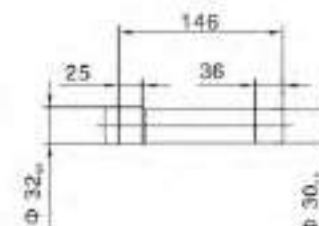
Diameter D/D' must be specified when ordering gear units with a shouldered hollow shaft (optional hole diameter D').

带轴阶空心轴和锁紧盘的平行轴减速电机

Parallel shaft helical gear unit with shouldered hollow shaft

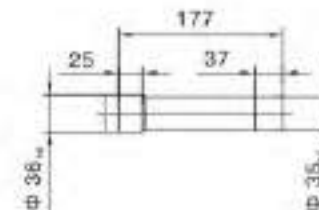
BFH/FHF/FHZ37

Φ 30"/Φ 32"



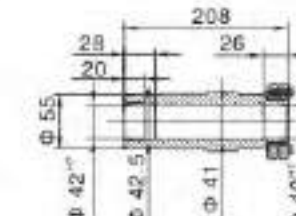
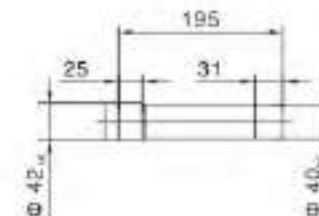
BFH/FHF/FHZ47

Φ 35"/Φ 36"



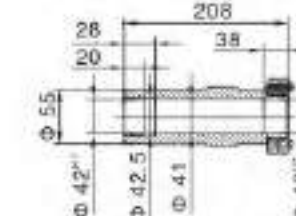
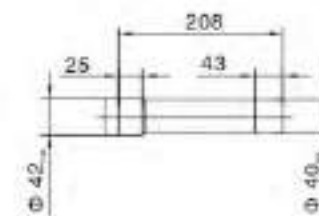
BFH/FHF/FHZ57

Φ 40"/Φ 42"



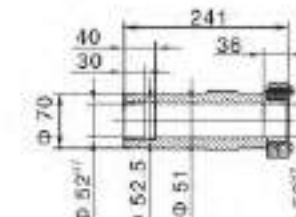
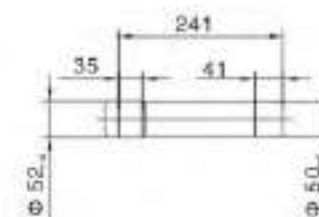
BFH/FHF/FHZ67

Φ 40"/Φ 42"

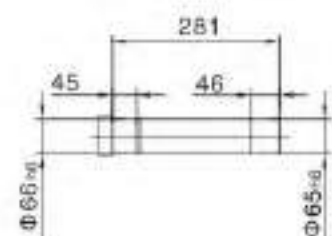


BFH/FHF/FHZ77

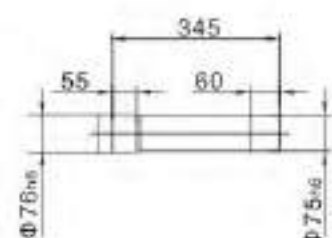
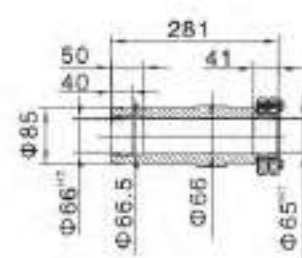
Φ 50"/Φ 52"



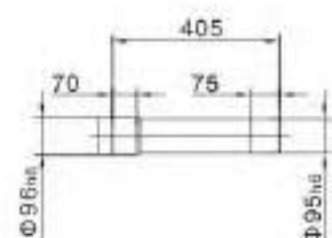
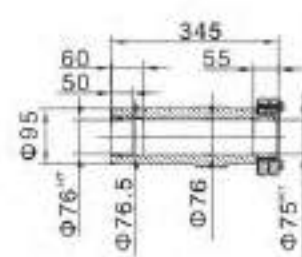
带轴阶空心轴和锁紧盘的平行轴减速电机
 Parallel shaft helical gear unit with shouldered hollow shaft



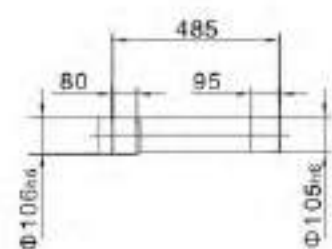
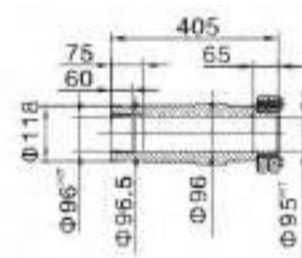
BFH/FHF/FHZ87
 $\Phi 65''/\Phi 66''$



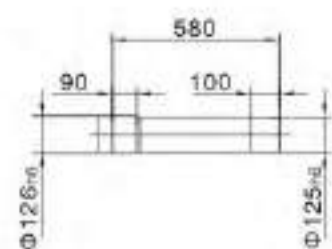
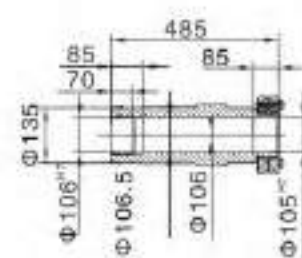
BFH/FHF/FHZ97
 $\Phi 75''/\Phi 76''$



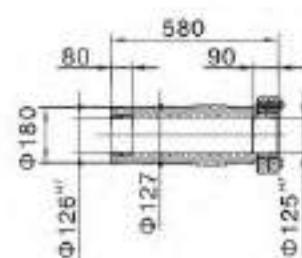
BFH/FHF/FHZ107
 $\Phi 95''/\Phi 96''$



BFH/FHF/FHZ127
 $\Phi 105''/\Phi 106''$

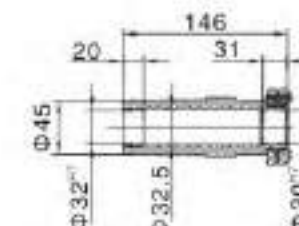
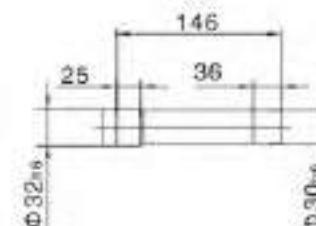


BFH/FHF/FHZ157
 $\Phi 125''/\Phi 126''$

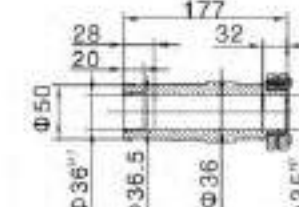


带轴阶空心轴和锁紧盘的斜齿轮-锥齿轮减速电机
 Helical-bevel gear unit with shouldered hollow shaft

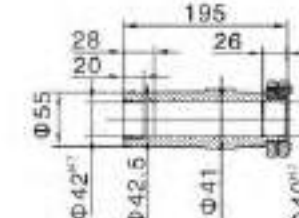
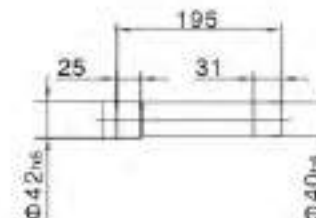
BKH/KHF/KHZ37
 $\Phi 30''/\Phi 32''$



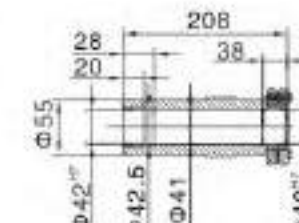
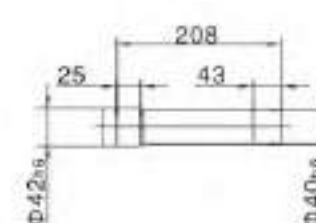
BKH/KHF/KHZ47
 $\Phi 35''/\Phi 36''$



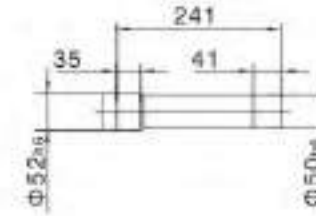
BKH/KHF/KHZ57
 $\Phi 40''/\Phi 42''$



BKH/KHF/KHZ67
 $\Phi 40''/\Phi 42''$



BKH/KHF/KHZ77
 $\Phi 50''/\Phi 52''$



带轴阶空心轴和锁紧盘的斜齿轮-蜗杆减速电机 Helical-worm gear unit with shouldered hollow shaft

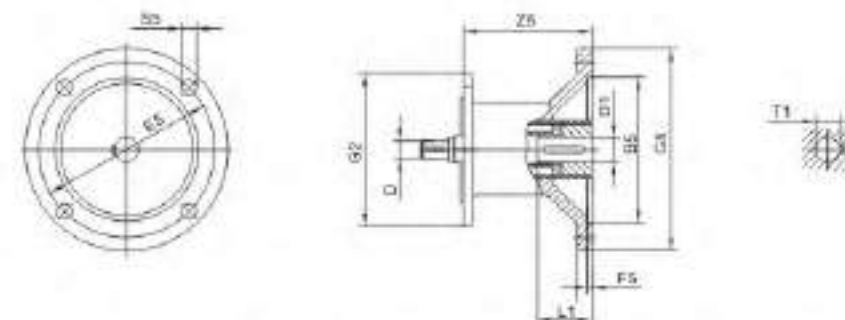
BSH/SHF/SHZ87
Φ65^{h9/k8}/Φ66^{h7/k6}



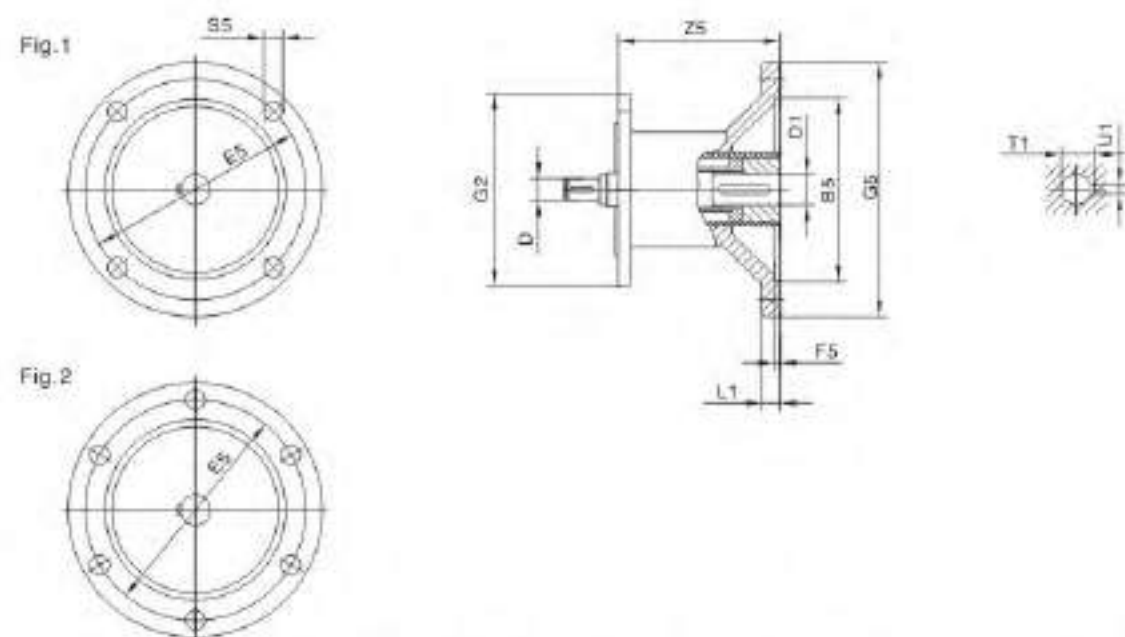
BSH/SHF/SHZ97
Φ75^{h9/k8}/Φ76^{h7/k6}



9.3 用于安装IEC标准电机的联轴器 9.3 Coupling for mounting of IEC motors

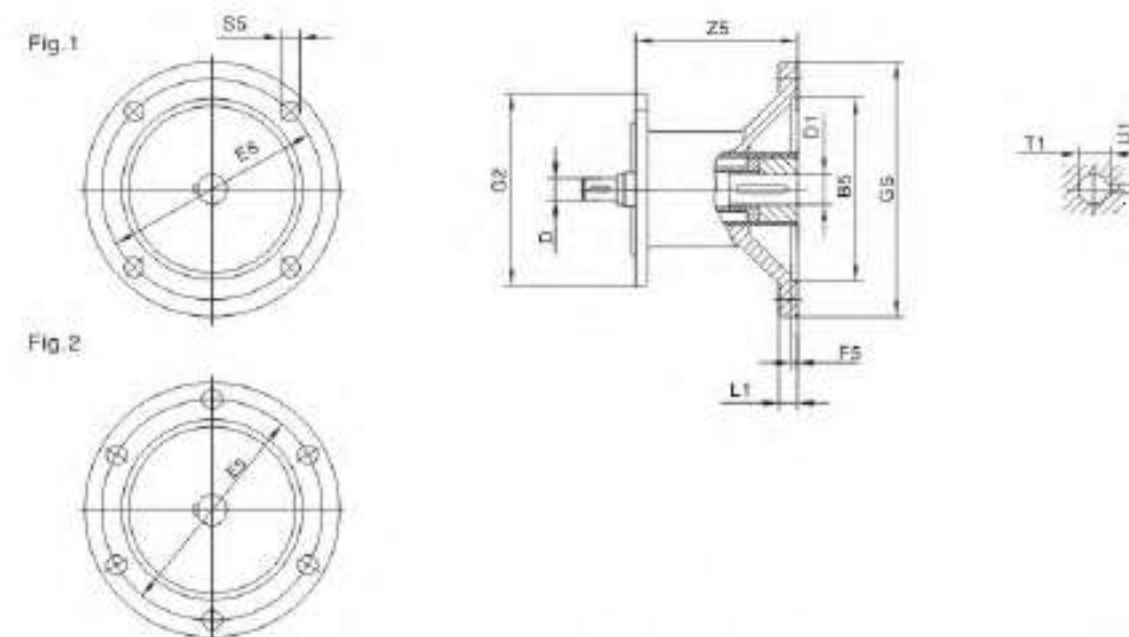


减速箱规格 Gear unit type	联轴器规格 Coupling type	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1		
BR..27,BR..37 BF..37,BF..47 BK..37 BS..37,BS..47 BS..57	AM63	95	10	115	3.5	120	140	M8	72	11	23	12.8	4		
	AM71 ¹⁾	110		130			160			14	30	16.3	5		
	AM80 ¹⁾	130	12	165	4.5		200	M10	106	19	40	21.8	6		
	AM90 ¹⁾		14							24	50	27.3	8		
BR..47,BR..57 BR..67 BF..57,BF..67 BK..47,BK..57 BK..67 BS..67	AM63	95	10	115	3.5	160	140	M8	66	11	23	12.8	4		
	AM71	110		130			160			14	30	16.3	5		
	AM80	130	12	165	4.5		200	M10	99	19	40	21.8	6		
	AM90		14							24	50	27.3	8		
	AM100 ¹⁾	180	16	215	5		250	M12	134	28	60	31.3	8		
	AM112 ¹⁾		18							28	60	31.3	8		
BR..77 BF..77 BK..77 BS..77	AM63	95	10	115	3.5	200	140	M8	60	11	23	12.8	4		
	AM71	110		130			160			14	30	16.3	5		
	AM80	130	12	165	4.5		200	M10	92	19	40	21.8	6		
	AM90		14							24	50	27.3	8		
	AM100 ¹⁾	180	16	215	5		250	M12	126	28	60	31.3	8		
	AM112 ¹⁾		18											28	60
	AM132S ¹⁾	230	22	265	5		300	M12	179	38	80	41.3	10		
	AM132M ¹⁾		28											38	80
AM132ML ¹⁾	28		38			80								41.3	10
BR..87 BF..87 BK..87 BS..87	AM80	130	12	165	4.5	250	200	M10	87	19	40	21.8	6		
	AM90		14							24	50	27.3	8		
	AM100	180	16	215	5		250	M12	121	28	60	31.3	8		
	AM112		18											28	60
	AM132S	230	22	265	5		300	M12	174	38	80	41.3	10		
	AM132M		28											38	80
	AM132ML		28												
	AM160 ¹⁾	250	28	300	6		350	M16	232	42	110	45.3	12		
AM180 ¹⁾	32		48			51.8				14					



减速机规格 Gear unit type	联轴器规格 Coupling type	Fig	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1						
BR..97 BF..97 BK..97 BS..97	AM100	1	180	16	215	5	300	250	M12	116	28	60	31.3	8						
	AM112			18																
	AM132S		230	22	265			300												
	AM132M			28																
	AM132ML	2	250	28	300	350			M16	227	42	110	45.3	12						
	AM160			32							51.8		14							
	AM180		300	38	350			400			268		55	59.3	16					
	AM200			450	283			60			140		64.4	18						
BR..107 BF..107 BK..107	AM100	1	180	16	215	5	350	250	M12	110	28	60	31.3	8						
	AM112			18																
	AM132S		230	22	265			300												
	AM132M			28																
	AM132ML	2	250	28	300	350			M16	221	42	110	45.3	12						
	AM160			32							51.8		14							
	AM180		300	38	350			400			262		55	59.3	16					
	AM200			450	277			60			140		64.4	18						
BR..137	AM132S	1	230	22	265	5	400	300	M12	156	38	80	41.3	10						
	AM132M			28																
	AM132ML		250	28	300			350							M16	214	42	110	45.3	12
	AM160			32													51.8		14	
	AM180	300	38	350	400	255			55	59.3	16									
	AM200		450	270	60	140			64.4	18										

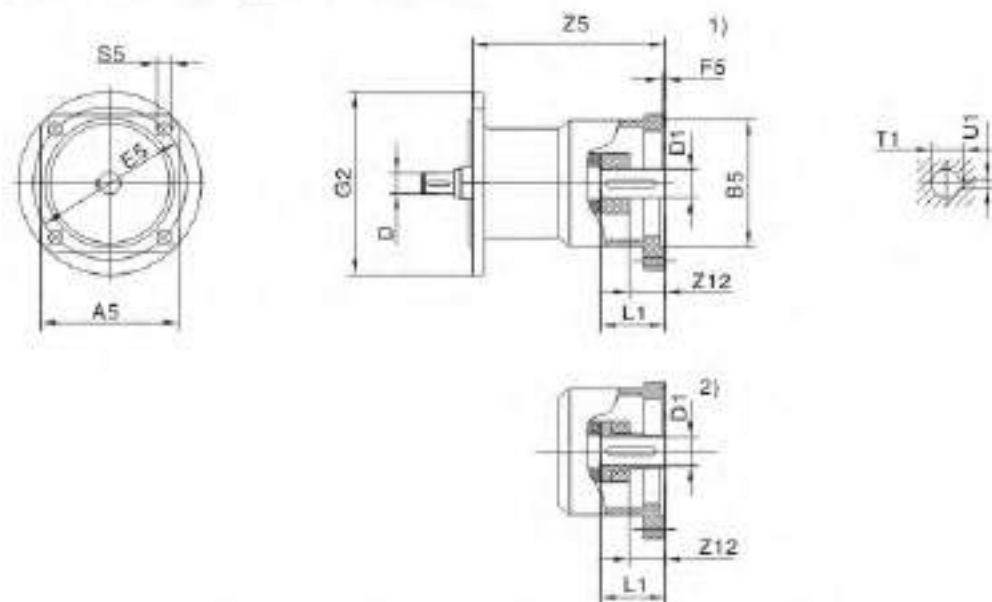
1) 如果安装在BR、BK和BS系列地脚安装方式的减速机上，请检查尺寸G5/2，它可能已突出安装平面。
Dimension 1/2 G5 may protrude past foot mounting surface if mounted on BR, BK or BS foot-mounted gear unit. Please check.



减速箱规格 Gear unit type	联轴器规格 Coupling type	Fig	B5	D	E5	F5	G2	G5	S5	Z5	D1	L1	T1	U1					
BR..147 BF..127 BK..127	AM132S AM132M	1	230	22	265	5	450	300	M12	148	38	80	41.3	10					
	28			350															
	250		28		300			6							400				
	32																		
	AM160	2	300		38	350			7	450	M16	206	42	110		45.3	12		
	AM180			32	48								51.8			14			
	AM200		350	38	400	550		247					55		59.3	16			
	AM225			60									64.4		18				
AM250	450	38	500	336	65		140		69.4	79.9	20								
AM280		75																	
BR..167 BF..157 BK..157 BK..167 BK..187	AM160	1	250		28	300	6	550	350	M16	198	42	110	45.3	12				
	AM180				32				400										
	AM200		300	38	350	450										239	55	59.3	16
	AM225			350													38		
	AM250	450	38	500	328		65			140	69.4	79.9	20						
	AM280		75																

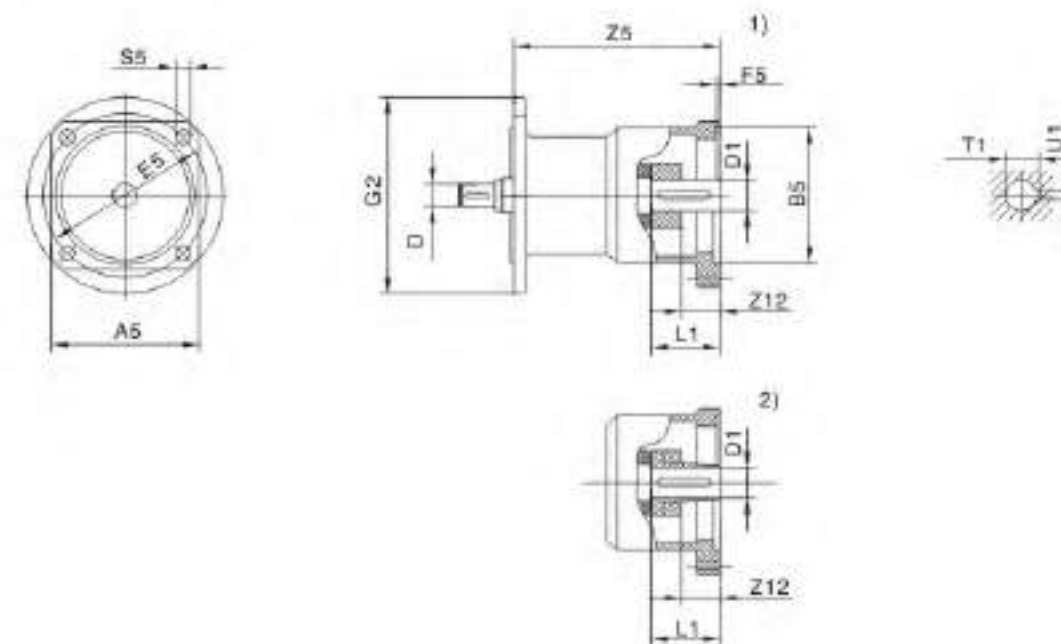
1) 如果安装在BR、BK和BS系列地脚安装方式的减速机上，请检查尺寸G5/2，它可能已突出安装平面。
Dimension 1/2 G5 may protrude past foot mounting surface if mounted on BR, BK or BS foot-mounted gear unit. Please check.

9.4 用于安装伺服电机的联轴器 9.4 Adapter for mounting of servomotors



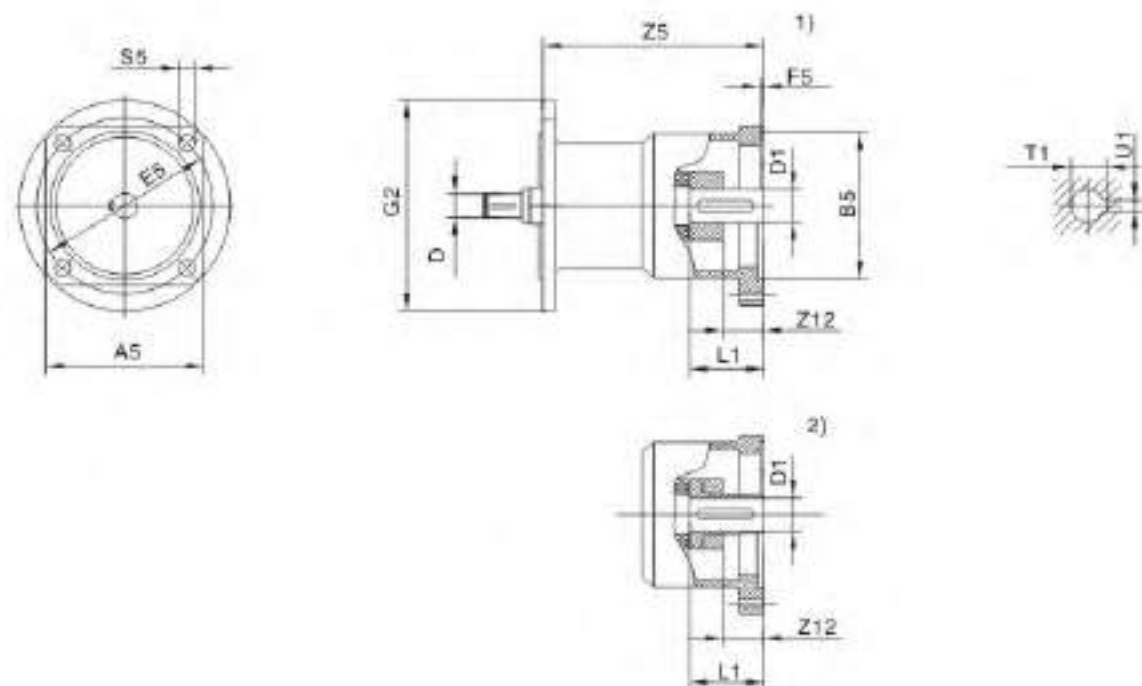
减速箱规格 Gear unit type	联轴器规格 Coupling type	A5	B5	D	E5	F5	G2	S5	Z5	Z12 ¹⁾	Z12 ²⁾	D1	L1	T1 ¹⁾	U1 ¹⁾											
BR..27 BR..37 BF..37 BF..47 BK..37 BS..37 BS..47 BS..57	AQ..80/1	82	60	10	75	3	120	M5	104.5	5.5	5.5	11	23	12.8	4											
	AQ..80/2		50	12	95	M6		14				30	16.3	5												
	AQ..80/3		80	10	100	M6		129.5	-	-	14	30	16.3	5												
	AQ..100/1	95	115		M8	143.5		7	14	19	40	21.8	6													
	AQ..100/2	80	100		M6	152.5		16	23	19	40	21.8	6													
	AQ..100/3	95	115		M8	21		16	24	50	27.3	8														
	AQ..100/4	95	115		M8	21		16	24	50	27.3	8														
	AQ..115/1	115	95	16	130	4		120	M8	152.5	16	23	19	40	21.8	6										
	AQ..115/2		110	130													4	120	152.5	16	23	19	40	21.8	6	
	AQ..115/3		110	130													4	120	152.5	16	23	19	40	21.8	6	
	BR..47 BR..57 BR..67 BF..57 BF..67 BK..47 BK..57 BK..67 BS..67	AQ..80/1	82	60	10	75		3	160	M5	98	5.5	5.5	11	23	12.8	4									
AQ..80/2		50		12	95	M6	14	30		16.3				5												
AQ..80/3		80		10	100	M6	122.5	-		-	14	30	16.3	5												
AQ..100/1		95	115		M8	136.5	7	14		19	40	21.8	6													
AQ..100/2		80	100		M6	145.5	16	23		19	40	21.8	6													
AQ..100/3		95	115		M8	21	16	24		50	27.3	8														
AQ..100/4		95	115		M8	21	16	24		50	27.3	8														
AQ..115/1		115	95	16	130	4	160	M8		145.5	16	23	19	40	21.8	6										
AQ..115/2			110	130													4	160	145.5	16	23	19	40	21.8	6	
AQ..115/3			110	130													4	160	145.5	16	23	19	40	21.8	6	
AQ..140/1		140	110	16	165	5	160	M10		175	21	16	24	50	27.3	8										
AQ..140/2			130	18													165	5	160	175	21	16	24	50	27.3	8
AQ..140/3			130	22													165	5	160	175	21	16	24	50	27.3	8

1) 适用于键连接 (AQA..)
2) 适用于锁紧套连接 (AQH..)



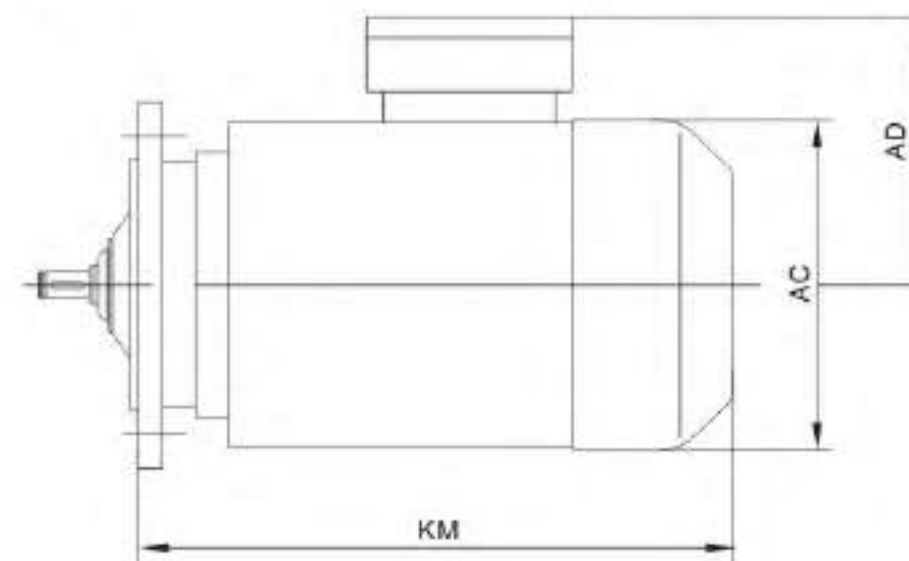
减速机规格 Gear unit type	联轴器规格 Coupling type	A5	B5	D	E5	F5	G2	S5	Z5	Z12 ¹⁾	Z12 ²⁾	D1	L1	T1 ¹⁾	U1 ¹⁾							
BR...77 BF...77 BK...77 BS...77	AQ...80/1	82	60	10	75	3	200	M5	92	5.5	5.5	11	23	12.8	4							
	AQ...80/2		12	75	14			30				16.3	5									
	AQ...80/3													50	95							
	AQ...100/1	100	80	10	100	4		M6	115.5	-	-	14	30	16.3	5							
	AQ...100/2		95		115			M8														
	AQ...100/3		80		100			M6								129.5	7	14	19	40	21.8	6
	AQ...100/4		95		115			M8														
	AQ...115/1	115	95	14	130	5		M8	138.5	16	23	19	40	21.8	6							
	AQ...115/2		110							16	21	16	24	50	27.3	8						
	AQ...115/3																					
	AQ...140/1	140	110	16	165	5		M10	167	21	16	24	50	27.3	8							
	AQ...140/2		130	18					22	32	60	35.3	10									
AQ...140/3																						
AQ...190/1	190	130	22	215	5	M12	225.5	26	24	32	60	35.3	10									
AQ...190/2		180	28				38	80	41.3	10												
AQ...190/3																						
BR...87 BF...87 BK...87 BS...87	AQ...100/1	100	80	12	100	4	250	M6	110.5	-	-	14	30	16.3	5							
	AQ...100/2		95		115			M8														
	AQ...100/3		80		100			M6								124.5	7	14	19	40	21.8	6
	AQ...100/4		95		115			M8														
	AQ...115/1	115	95	16	130	5		M8	133.5	16	23	19	40	21.8	6							
	AQ...115/2		110							16	24	50	27.3	8								
	AQ...115/3																					
	AQ...140/1	140	110	16	165	5		M10	162	21	16	24	50	27.3	8							
	AQ...140/2		130	18					22	32	60	35.3	10									
	AQ...140/3																					
	AQ...190/1	190	130	22	215	5		M12	220.5	26	24	32	60	35.3	10							
	AQ...190/2		180	28					38	80	41.3	10										
AQ...190/3																						

1) 适用于键连接 (AQA..)
2) 适用于锁紧套连接 (AQH..)



9.5 电机尺寸图

9.5 The size of motor



减速机规格 Gear unit type	联轴器规格 Coupling type	A5	B5	D	E5	F5	G2	S5	Z5	Z12 ¹⁾	Z12 ²⁾	D1	L1	T1 ¹⁾	U1 ¹⁾
BR..97 BF..97 BK..97 BS..97	AQ..140/1	140	110	16	165	5	300	M10	157	21	16	24	50	27.3	8
	AQ..140/2		18	22					170	24	22	32	60	35.3	10
	AQ..140/3		130	22					215.5	26	24	32	60	35.3	10
	AQ..190/1	190	130	22				M12	239.5	39	34	38	80	41.3	
	AQ..190/2		180	28					209.5	26	24	32	60	35.3	
	AQ..190/3		22	28					233.5	39	34	38	80	41.3	
BR..107 BF..107 BK..107	AQ..140/1	140	110	16			350	M10	151	21	16	24	50	27.3	8
	AQ..140/2		18	22					164	24	22	32	60	35.3	10
	AQ..140/3		130	22					209.5	26	24	32	60	35.3	10
	AQ..190/1	190	130	22				M12	233.5	39	34	38	80	41.3	
	AQ..190/2		180	28					202.5	-	25	32	60	35.3	
	AQ..190/3		22	28					226.5	39	34	38	80	41.3	
BR..137	AQ..190/1	190	130	22	215		400	M12	202.5	-	25	32	60	35.3	10
	AQ..190/2		180	28					226.5	39	34	38	80	41.3	
	AQ..190/3		130	22					450	M12	194.5	26	24	32	
AQ..190/1	180		22	218.5			39				34	38	80	41.3	
AQ..190/2			28												
AQ..190/3															

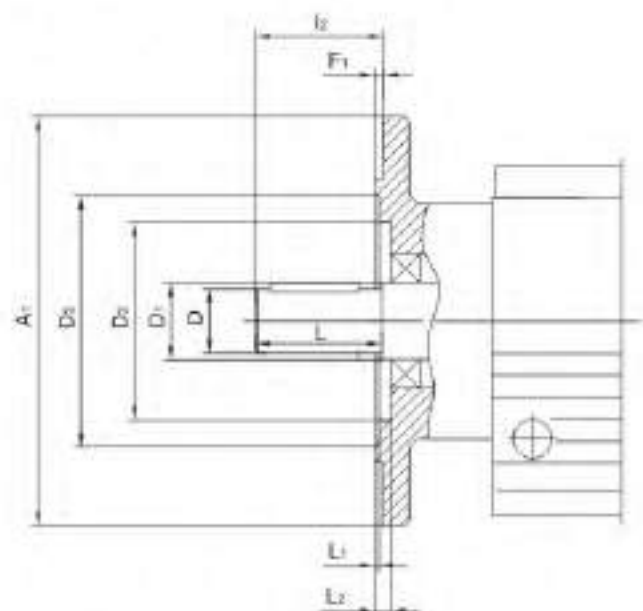
1) 适用于键连接 (AQA..)
2) 适用于锁紧套连接 (AQH..)

1) Applies to type with key way (AQA..)
2) Applies to type with clamping ring hub (AQH..)

注：上表中的电机尺寸为部分铁芯长度电机的参考尺寸。具体尺寸根据铁芯长度与联接法兰尺寸确定。
因空间限制对电机尺寸有要求时请向我公司咨询。
Notice: The data in the above table is only for reference. If you have any special requirements, please contact us.

9.6 BRF..和BR..F减速机法兰外形图

9.6 Flange contours of BRF.. and BR..F gear units



选择和安装输出零件时请注意L1和L2尺寸

Check dimensions L1 and L2 for selection and installation of output elements

规格 Type	A1	D	D1	D2		D3	F1	12	L	L1		L2
				BRF	BR..F					BRF	BR..F	
BRF17, BR17F	120	20	25	46	46	65	3	40	40	1	1	5
	140				-	78	3			1	-	5
BRF27, BR27F	120	25	30	54	4	66	3	50	50	1	1	6
	140				-	79	3			3	-	7
	160				-	92	3.5			3	-	7
BRF37, BR37F	120	25	35	60	63	70	3	50	50	5	4	7
	160				-	96	3.5			1	-	7.5
	200				-	119	3.5			1	-	7.5
BRF47, BR47F	140	30	35	72	64	82	3	60	60	4	1	6
	160				-	96	3.5			0.5	-	6.5
	200				-	116	3.5			0.5	-	6.5
BRF57, BR57F	160	35	40	76	75	96	3.5	70	70	4	2.5	5
	200				-	116	3.5			0	-	5
	250				-	160	4			0.5	-	5.5
BRF67, BR67F	200	35	50	90	90	118	3.5	70	70	2	4	7
	250				-	160	4			1	-	7.5
BRF77, BR77F	250	40	52	112	100	160	4	80	80	0.5	2.5	7
	300				-	210	4			0.5	-	7
BRF87, BR87F	300	50	62	123	122	210	4	100	100	0	1.5	8
	350				-	226	5			1	-	9
BRF97	350	60	72	136	236	320	5	120	120	0	-	9
	450				232	316	5			0	-	11
BRF107	350	70	82	157	316	416	5	140	140	0	-	10
	450				316	416	5			0	-	10
BRF137	450	90	108	180	416	517	6	170	170	1	-	10
	550				416	517	6			2	-	11
BRF147	450	110	125	210	416	517	6	210	210	1	-	10
	550				416	517	6			2	-	11
BRF167	550	120	145	290	517	6	6	210	210	1	-	10
	650				517	6	6			2	-	11

9.7 减速机安装

9.7 Gear unit mounting

例外

Exception

安装减速机和减速机时一定要使用8.8级螺栓

Always use bolts quality 8.8 for mounting gear units and geared motors.

当传递样本上所给定的额定扭矩时，下面几种法兰安装（BRF..）和地脚/法兰安装（BR..F..）的斜齿轮减速机，法兰和用户安装单元固定时一定要用10.9级的螺栓。

- BRF37和带Φ 120mm法兰的BRF37
- BRF47和带Φ 140mm法兰的BRF47
- BRF57和带Φ 160mm法兰的BRF57

Bolts of quality 10.9 must be used for used for fastening the flange to the customer-supplied unit in order to transmit the rated torque specified in the catalog. These bolts must be used in case following flange – mounted helical geared motors (BRF..) and foot/flange – mounted helical geared motors (BR..F..) :

- BRF37, BRF37F with flange Φ 120mm
- BRF47, BRF47F with flange Φ 140mm
- BRF57, BRF57F with flange Φ 160mm

BKH167...BKH187..
的力矩臂

Torque arms for
BKH167...BKH187..

对于减速机BKH167..和BKH187..作为标准配置，一般不提供扭矩臂。如果需要，请和我公司联系，我们将给出推荐的安装位置和尺寸图。

As standard, there are no torque arms available for gear unit sizes BKH167..and BKH187 Please contact company if you require torque arms for these gear units. We will submit The configuration of recommendations.

9.8 润滑 9.8 Lubricants

概述 General information

润滑油的等级 和粘度类型 Lubricating conglutination

除非特别要求，公司所提供的减速机均按其减速机规格注了油。订货时，所规定的安装位置对注油量的多少是一个决定性因素。对于安装位置的调整必须相应地调节注油量。(按加油量表)。
Unless there is a special requirement, company always supplies the drives that with lubricant fill specifically for the reducer and mounting position. When ordering a drive, the decisive factor of lubricant fill quantities is the drives mounting position. You must adapt the lubricant fill to any subsequent change made to the mounting position check for the Lubricant fill quantities.

推荐使用的润滑油见润滑油表，其等级和粘度指标见下表
Commend the lubricant oil. The grade and conglutination index in the following.

DIN(ISO,SAE)标准润滑油 Normal lubricating	粘度指标 Conglutination index	环境温度℃ Ambient temperature	减速机型号 Gear unit type
Mineral oil CLP(cc)	ISOVG 220	-10~+40	BR系列, BF系列 BK系列减速机
	ISOVG 680	0~+40	BS系减速机

特殊应用场合必须使用特殊润滑油，比如要求长使用寿命润滑油。若需要可提供用于食品行业和生物降解润滑油。
The special lubricant oil must be used in special situation. For example requesting use the oil with long life-span. If you want, we can afford the biology decompose oil for food industry.

DIN(ISO,SAE)标准润滑油 Normal lubricating	粘度指标 Conglutination index	环境温度℃ Ambient temperature	减速机型号 Gear unit type
Mineral oil CLP(CC)	ISOVG 100	-20~+25	BR系列, BF系列 BK系列减速机
Synthetic fluid, clp pg	ISOVG 220	-25~+80	BR系列, BF系列 BK系列减速机
Synthetic fluid, CLP HC	ISOVG 460	-30~+80	BS系减速机

耐磨轴承 用润滑油 Anti-friction bearing greases

下列润滑油用于减速机和电机的耐磨轴承润滑

DIN(ISO,SAE)标准润滑油 Normal lubricating	环境温度℃ Ambient temperature	减速机型号 Gear unit type
矿物轴承润滑油K32N/K2K mineral bearing lubricating lipin K32N/K2K	-30~+60	正常型式: 减速机、电机 Normal type: motor reducer
合成轴承润滑油KHC 2R-40 synthetic bearing lubricating lipin K2R-40	-40~+80	减速机加注合成润滑油 Reducers need to inject the synthetic lubricant
矿物轴承润滑油K3N-30 mineral bearing lubricating lipin K3N-30	-25~+80	特殊型式: 按应用场合确定的电机 Special type: select the motor in different situation
合成轴承润滑油K2S-50 synthetic bearing lubricating lipin K2S-50	-45~-25	特殊型式: 按应用场合确定的电机 Special type: select the motor in different situation

传动装置润滑油表
Lubricant table

减速机 Gear unit type	环境温度 Ambient temperature	润滑油 油类 DIN(ISO)	ISO粘度 NLG同度	Mobil	Shell	Alcomet	ARAL	BP	Tribol	Optigear	Fuchs
BR	-10	标准	VG 220	Mobilgear 630	Shell Omala 220	Kia berol GEM 1-225	Aral Degol Bg 220	BP Energol GR-Xp 220	Tribol 1100/220	Optigear BM 220	Renolin CLP 220
	-25	+40	VG 220	Mobil Glycoline 30	Shell Treble VB	Kia bersynth GEM 5-220	Aral Degol Gs 220	BP Energol SR-Xp 220	Tribol 800/220	Optiflex A 220	
	-40	+60	VG 220	Mobil SHC 630	Shell Omala 220 HD	Kia bersynth GEM 4-220	Aral Degol PAS 220		Tribol 1510/200	Optigear Sym-theric A 220	Renolin Ultram CLP 220
	-40	+40	VG 150	Mobil SHC 629		Kia bersynth GEM 4-150					
BF	-20	+25	VG 100	Mobilgear 629	Shell Omala 100	Kia berol GEM 1-150	Aral Degol Bg 100	BP Energol GR-Xp 100	Tribol 1000/100	Optigear BM 220	Renolin CLP 150
	-30	+10	VG 68-46	Mobil D.T.E 11M	Shell Tellus T32	Kia berol GEM 1-88	Aral Degol Bg 46		Tribol 1100/68	Optigear 32	Renolin B 46 HV
	-30	+10	VG 32	Mobil SHC 624		Kia bersynth GEM 4-32					
	-40	-20	VG 22	Mobil D.T.E 11M	Shell Tellus T15	ISOFLEX MT 30 ROT		BP Energol HLP-HM10			
BK	0	标准	VG 680	Mobilgear 636	Shell Omala 680	Kia berol GEM 1-680	Aral Degol Bg 680	BP Energol GR-Xp 680	Tribol 1100/680	Optigear BM 680	Renolin CLP 680
	-20	+60	VG 680 (1)	Mobil Glycoline HE 680		Kia bersynth GEM 6-680		BP Energol SO-Xp 680	Tribol 800/680		
	-30	+60	VG 460	Mobil SHC 634	Shell Omala 460 HD	Kia bersynth GEM 4-360					
	-40	+10	VG 150	Mobil SHC 629		Kia bersynth GEM 4-150					
BS	-30	+10	VG 100	Mobil D.T.E 18M	Shell Omala 100	Kia berol GEM 1-150	Aral Degol Bg 100	BP Energol GR-Xp 100	Tribol 1100/100	Optigear BM 100	Renolin CLP 150
	-25	+20	VG 220 (1)	Mobil Glycoline 30		Kia bersynth GEM 6-220			Tribol 800/220	Optiflex A 220	
	-40	0	VG 32	Mobil SHC 624	Shell Castrol Fluid OL 400	Kia berol 4UM1-450	Aral Eural Bear 460				
	-20	+40	VG 460 (4)			Kia bersynth CA2-460					
BR27 BR17 BR27	-25	+60	0.0 2)	Glycoline Grease 00	Shell Trella Compound A	Kia bersynth GE 40-1200					
	-15	+40	0.00-0 2)	Mobilus EP 004	Shell Alvania GL 00		Aralub MFL 00	BP Energol LS-EP 00		Longtime PD 00	Renolin SF 7-041

1) 合成润滑油 Synthetic lubricant
2) 矿物润滑油 Mineral lubricant

1) With the Helical-worm geared motors use PG oil. Please contact with company.
2) Small conglutination index oil, other types of reducers. Please contact with company.

3) Food or beverage industry used oil.
4) Biology decompose oil.

---High request when start-up in low temperature.

1) 用 PG 油的蜗轮蜗杆减速机请和公司联系
2) 低粘度油。其它型号减速机请和公司联系

3) 食品及行业用油(食品级油)
4) 生物降解油(用于农业、林业和工业)

*低温时启动要求高

CLP PG=聚二脲油
CLP HC=聚二脲油
E=二元醚类合成油
HCE=聚二脲油

CLP=矿物油
HLP=液压油
CLP=Petrolatum oil
HLP=Hydraulic pressure oil
KBT/GasV

加油量 Lubricant fill quantities

斜齿轮减
速器(BR系列)
Helical gear
units(BR...)

规定的注油量是参考值。精确的注油量随着减速机的级数和速比的不同而变化。注油时，最有效是检查油位塞，因为它指示精确注油量。
The specified fill quantities are recommended values. The precise vary depending on the number of stages and gear ratio. When filling, it is essential to check the oil level plug since it indicates the precise oil capacity.

下表按安装位置M1-M16,给出了注油量的参考值。
The following tables show referenced values for lubricant fill quantities in relation to relation to the Mounting position M1-M16

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
BR17/R17F	0.25	0.6	0.35	0.6	0.35	0.35
BR27/R27F	0.25/0.4	0.7	0.4	0.7	0.4	0.4
BR37/R37F	0.3/1	0.9	1	1.1	0.8	1
BR47/R47F	0.7/1.5	1.6	1.5	1.7	1.5	1.5
BR57/R57F	0.8/1.7	1.9	1.7	2.1	1.7	1.7
BR67/R67F	1.1/2.3	2.6/3.5	2.8	3.2	1.8	2
BR77/R77F	1.2/3	3.8/4.3	3.6	4.3	2.5	3.4
BR87/R87F	2.3/6	6.7/8.4	7.2	7.7	6.3	6.5
BR97	4.6/9.6	11.7/14	11.7	13.4	11.3	11.7
BR107	6/13.7	16.3	16.9	19.2	13.2	15.9
BR137	10/25	28	29.5	31.5	25	25
BR147	15.4/40	46.5	48	52	39.5	41
BR167	27/70	82	78	88	66	69

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1 ¹⁾	M2 ¹⁾	M3	M4	M5	M6
BRF17	0.25	0.6	0.35	0.6	0.35	0.35
BRF27	0.25/0.4	0.7	0.4	0.7	0.4	0.4
BRF37	0.4/1	0.9	1	1.1	0.8	1
BRF47	0.7/1.5	1.6	1.5	1.7	1.5	1.5
BRF57	0.8/1.7	1.8	1.7	2	1.7	1.7
BRF67	1.1/2.5	2.7/3.6	2.7	3.1	1.9	2.1
BRF77	1.2/2.6	3.8/4.1	3.3	4.1	2.4	3
BRF87	2.4/6	6.8/7.9	7.1	7.7	6.3	6.4
BRF97	5.1/10.2	11.9/14	11.2	14	11.2	11.8
BRF107	6.3/14.9	15.9	17	19.2	13.1	15.9
BRF137	9.5/25	27	29	32.5	25	25
BRF147	15.4/42	47	48	52	42	42
BRF167	26/70	82	78	88	65	71

1)多级减速机中较大的减速机须注较多的油。
The output end gear unit of multi-stage gear units be filled with the larger oil volume.

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BRX57	0.6	0.8	1.3	1.3	0.9	0.9
BRX67	0.8	0.8	1.7	1.9	1.1	1.1
BRX77	1.1	1.5	2.6	2.7	1.6	1.6
BRX87	1.7	2.5	4.8	4.8	2.9	2.9
BRX97	2.1	3.4	7.4	7	4.8	4.8
BRX107	3.9	5.6	11.6	11.9	7.7	7.7

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BRX57	0.5	0.8	1.1	1.1	0.7	0.7
BRX67	0.7	0.8	1.5	1.7	1	1
BRX77	0.9	1.5	2.4	2.5	1.6	1.6
BRX87	1.6	2.5	4.9	4.7	2.9	2.9
BRX97	2.1	3.6	7.1	7	4.8	4.8
BRX107	3.1	5.9	11.2	10.5	7.2	7.2

平行轴斜齿轮减速机(BF系列)
Parallel shaft helical gear units.(BF...)

BF...BFA...B,BFH...B,BFV...B

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BF37	1	1.2	0.7	1.2	1	1.1
BF47	1.5	1.8	1.1	1.9	1.5	1.7
BF57	2.6	3.7	2.1	3.5	2.8	2.9
BF67	2.7	3.8	1.9	3.8	2.9	3.2
BF77	5	7.3	4.3	8	6	6.3
BF87	10	13.0	7.7	13.8	10.8	11
BF97	18.5	22.5	12.6	25.2	18.5	20
BF107	24.5	32	19.5	37.5	27	27
BF127	40.5	55	34	61	46.5	47
BF157	69	104	63	105	86	78

BFF...

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BFF37	1	1.2	0.7	1.3	1	1.1
BFF47	1.6	1.9	1.1	1.9	1.5	1.7
BFF57	2.8	3.8	2.1	3.7	2.9	3
BFF67	2.7	3.8	1.9	3.8	2.9	3.2
BFF77	5.1	7.3	4.3	8.1	6	6.3
BFF87	10.3	13.2	7.8	14.1	11	11.2
BFF97	19	22.5	12.6	25.5	18.9	20.5
BFF107	25.5	32	19.5	38.5	27.5	28
BFF127	41.5	56	34	63	46.5	49
BFF157	72	105	64	106	87	79

BFA...BFH...BFV...BFAF...BFHF...BFVF...BFAZ...BFHZ...BFVZ

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BF...37	1	1.2	0.7	1.2	1	1.1
BF...47	1.5	1.8	1.1	1.9	1.5	1.7
BF...57	2.7	3.8	2.1	3.6	2.9	3
BF...67	2.7	3.8	1.9	3.8	2.9	3.2
BF...77	5	7.3	4.3	8	6	6.3
BF...87	10	13.0	7.7	13.8	10.8	11
BF...97	18.5	22.5	12.6	25.0	18.5	20
BF...107	24.5	32	19.5	37.5	27	27
BF...127	39	55	34	61	45	46.5
BF...157	68	103	62	104	85	77

斜齿轮-锥齿轮减速器(BK系列) Helical-bevel Gear unit (BK..)

BK..., BKA...B, BKH...B, BKV...B

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BK...37	0.5	1	1	1.3	1	1
BK...47	0.8	1.3	1.5	2	1.6	1.6
BK...57	1.2	2.3	2.5	3	2.6	2.4
BK...67	1.1	2.4	2.6	3.4	2.6	2.6
BK...77	2.2	4.1	4.4	5.9	4.2	4.4
BK...87	3.7	8	8.7	10.9	7.8	8
BK...97	7	14	15.7	20	15.7	15.5
BK...107	10	21	25.5	33.5	24	24
BK...127	21	41.5	44	54	40	41
BK...157	31	62	65	90	58	62
BK...167	35	100	100	125	85	85
BK...187	60	170	170	205	130	130

BKF...

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BKF37	0.5	1.1	1.1	1.5	1	1
BKF47	0.8	1.3	1.7	2.2	1.6	1.6
BKF57	1.3	2.3	2.7	3	2.9	2.7
BKF67	1.1	2.4	2.8	3.6	2.7	2.7
BKF77	2.1	4.1	4.4	6	4.5	4.5
BKF87	3.7	8.2	9	11.9	8.4	8.4
BKF97	7	14.7	17.3	21.5	15.7	16.5
BKF107	10	22	26	35	25	25
BKF127	21	41.5	46	55	41	41
BKF157	31	66	69	92	62	62

BKA..., BKH..., BKV..., BKA..., BKH..., BKV...

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3	M4	M5	M6
BK...37	0.5	1	1	1.4	1	1
BK...47	0.8	1.3	1.6	2.1	1.6	1.6
BK...57	1.3	2.3	2.7	3	2.9	2.7
BK...67	1.1	2.4	2.7	3.6	2.6	2.6
BK...77	2.1	4.1	4.6	6	4.4	4.4
BK...87	3.7	8.2	8.8	11.1	8	8
BK...97	7	14.7	15.7	20	15.7	15.7
BK...107	10	20.5	24	32	24	24
BK...127	21	41.5	43	52	40	40
BK...157	31	66	67	87	62	62
BK...167	35	100	100	125	85	85
BK...187	60	170	170	205	130	130

SAILE / 220

斜齿轮-蜗轮蜗杆减速器(BS系列) Helical-worm Gear units.(BS..)

BS...

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
BS37	0.25	0.4	0.5	0.6	0.4	0.4
BS47	0.35	0.8	0.7	1.1	0.8	0.8
BS57	0.5	1.2	1	1.5	1.3	1.3
BS67	1	2.0	2.2/3.1	3.2	2.6	2.6
BS77	1.9	4.2	3.7/5.4	6	4.4	4.4
BS87	3.3	8.1	6.9/10.4	12	8.4	8.4
BS97	6.8	15	13.4/18	22.5	17	17

1) 多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi-stage gear units must be filled with the larger oil volume.

BSF...

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
BSF37	0.25	0.4	0.5	0.6	0.4	0.4
BSF47	0.4	0.9	0.9	1.2	1.0	1
BSF57	0.5	1.2	1	1.6	1.4	1.4
BSF67	1	2.2	2.3/3	3.2	2.7	2.7
BSF77	1.9	4.1	3.9/5.8	6.5	4.9	4.9
BSF87	3.8	8	7.1/10.1	12	9.1	9.1
BSF97	7.4	15	13.8/18.8	23.6	18	18

1) 多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi-stage gear units must be filled with the larger oil volume.

BSA..., BSH..., BSAF..., BSHF..., BSAZ..., BSHZ.

减速器型号 Gear unit type	注油量(升) Fill quantity(L)					
	M1	M2	M3 ¹⁾	M4	M5	M6
BS...37	0.25	0.4	0.5	0.6	0.4	0.4
BS...47	0.4	0.8	0.7	1.1	0.8	0.8
BS...57	0.5	1.1	1	1.6	1.2	1.2
BS...67	1	2	1.8/2.6	2.9	2.5	2.5
BS...77	1.8	3.9	3.6/5	5.9	4.5	4.5
BS...87	3.8	7.4	6/8.7	11.2	8	8
BS...97	7	14	11.4/16	21	15.7	15.7

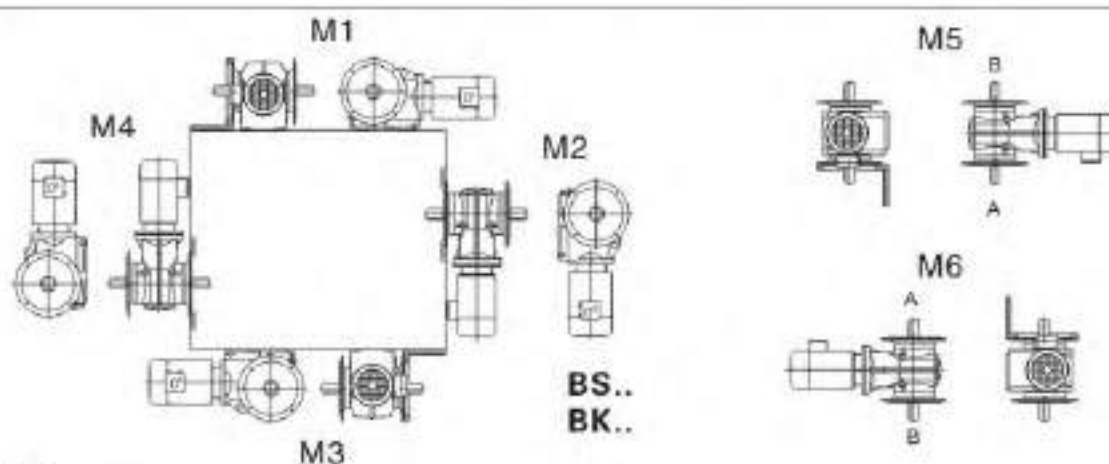
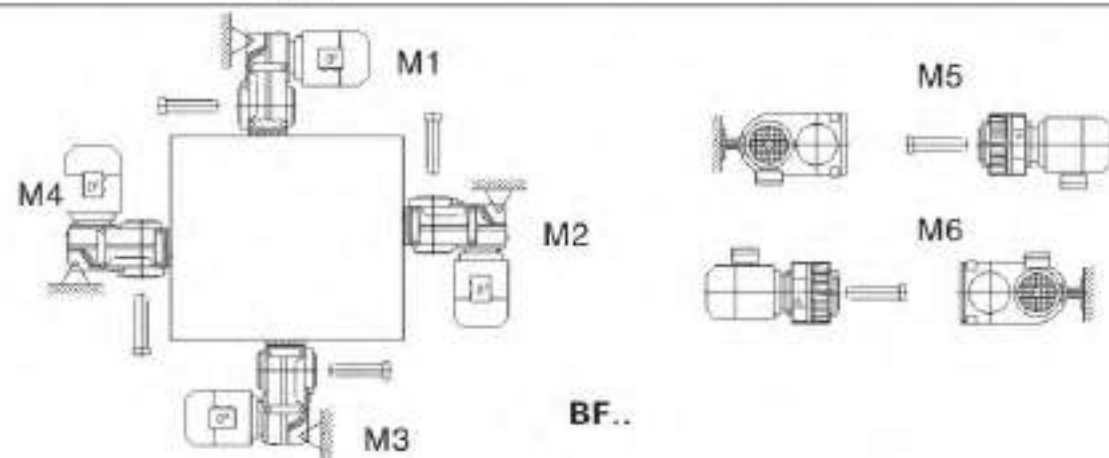
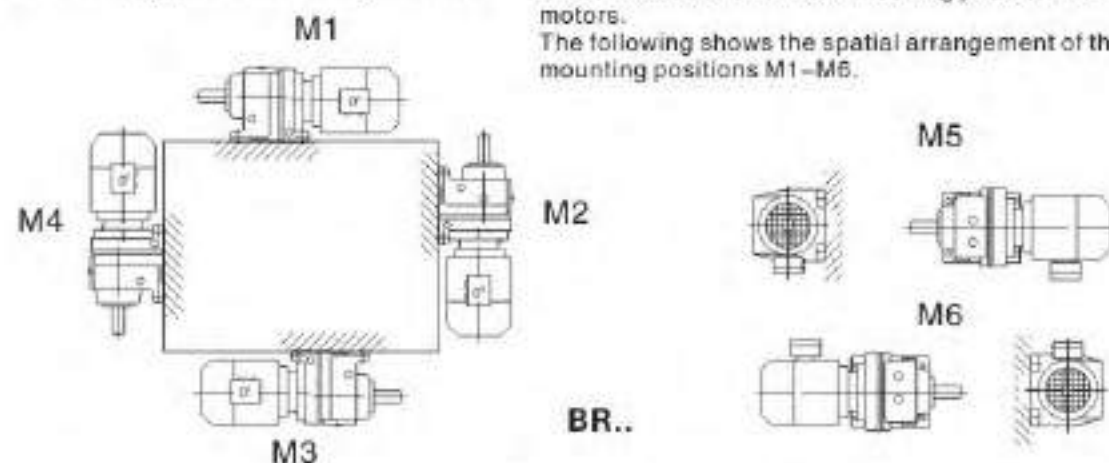
1) 多级减速箱中较大的减速机须注较多的油量。
The output end unit of multi-stage gear units must be filled with the larger oil volume.

10. 安装位置 Mounting Position

10.1 安装位置概述

10.1 Mounting position designation

安装位置说明：减速电机有M1..M6共6种安装位置。
下面的图表说明了减速器安装位置M1..M6的空间排列。
Differentiates between six mounting position M1-M6 for geared motors.
The following shows the spatial arrangement of the gear units in mounting positions M1-M6.



重要的订货信息
Important Indentation information
除了安装位置以外，下面订货资料也是必需的，以便精确描述要求的减速电机外形。
Except the mounting position, the indentation informations for depicting the figure of gear

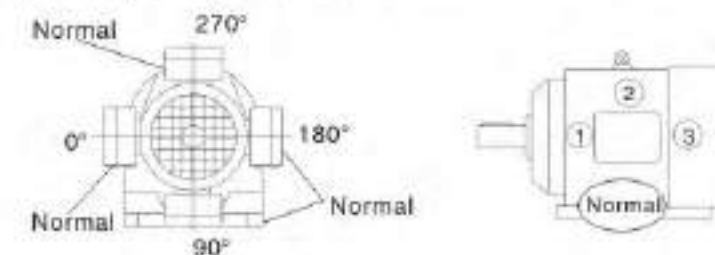
电机接线盒位置
电机接线盒上出线口位置
对直角轴减速机：输出方向
对直角轴型带吸盘轴减速机：带吸盘或不带吸盘
带止器的减速电机：设备的旋转方向

Unit exactly are necessary
Position of the motor terminal box
For the right-angle shaft reducers: output shaft connection.
For the right-angle shaft reducers with shrink-disk: with or without teange.
For the drive with a backstop: the Direction of rotation.

电机接线盒和出线嘴位置

Position of the motor terminal box cable entry

电机接线盒从电机风扇罩看（如图），位置分别表示为0°，90°，180°或270°。
出线嘴的位置也可以进行选择（如图），分别表示为“Normal”，“1”，“2”或“3”。
Possible positions of the terminal box are 0°，90°，180° or 270° as viewed onto the fan guard=B-side.
In addition, the position of the cable entry can be selected. The possibilities are “X” (=normal position), “1”, “2”, or “3”.



图：接线盒与出线嘴的位置
Fig: Position of the terminal box and cable entry



对于接线盒，除非给出了详细信息，否则接线盒按0°，出线嘴按“Normal”供货。
我们建议安装位置在M3时，应选择出线嘴位置为“2”。

注意：

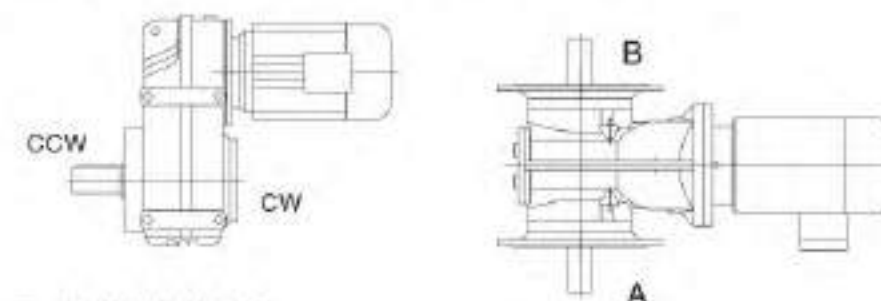
对于BR17D71..减速电机，接线盒位置不能标为90°。
D71..BMG接线盒位置为90°时，出线嘴位置不能标为“2”。

Unless other information is given regarding the terminal box, the 0° type with “X” cable entry will be supplied. We recommend selecting cable entry “2” with mounting position M3.
The terminal box cannot be positioned at 90° on the BR17D71 geared motor.
Cable entry “2” is not possible with the D71..BMG motor with terminal box position 90°.

带止器减速电机的旋转方向

Direction of rotation of the drive with a backstop

若减速电机带止器，规定出减速电机的旋转方向是很必要的。按下列标识：
从输出轴看：顺时针(CW)为向右旋转逆时针(CCW)为向左旋转
If the drive has a RS backstop, it is necessary to stipulate the direction of drive rotation.
The following definition applies:
Looking onto the output shaft: Clockwise(CW)=Rotating to the right
Counterclockwise(CCW)=Rotating to the left



图：输出轴的旋转方向
Fig: Direction of rotation of the output shaft

对于直角轴型减速机，规定出给定的旋转方向是从A端看还是从B端看的，这是非常重要的。
In right-angle gear units, it is necessary to indicate if the direction of rotation is given where be looked from the A or B end.

输出轴的位置 Position of the output shaft

对于直角轴型减速机，规定出轴方向是必要的：A或B，还是A+B(见图)
In right-angle gear units, it is necessary to indicate the position of the output shaft and output flange: A or B or A+B

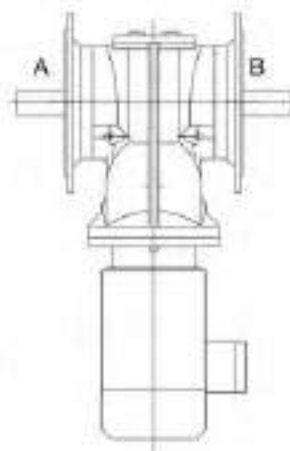


图:出轴方向
Fig:Position of the Output shaft

带锁紧盘的轴装直角轴减速机 Position of the connection end in tight-angle gear units with shrink disk

对于轴装式带锁紧盘的正文轴型减速机，规定出A端还是B端为连接端并且连接端是否有法兰是必要的。在图中，A端是连接端，锁紧盘在连接端对面。
In shaft mounted right-angle gear units with shrink disk, it is necessary to indicate whether the A or B end is the connection end. In Fig. The A end and is the connection end. The shrink disk is located opposite the connection end.

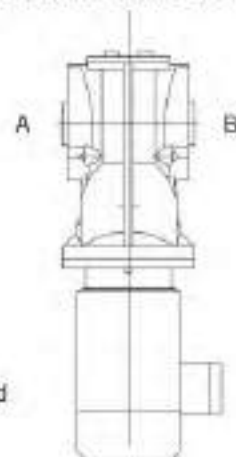


图:连接端的位置
Fig:Position of the connection end

订购实例 Sample orders

对于BK167/K187来讲，安装为M5和M6时，连接端只能是在底部连接。
Connection end at bottom only is possible with BK167/K187 helical-bevel gear units in mounting positions M5 and M6.

类型 Type	安装位置 Mounting position	连接端 Shaft with	锁紧盘位置 Position of shrink disk	法兰 Flange	接线位置 Position of terminal box	出线位置 Position of cable entry	旋转方向 rotation direction	出轴方向 Output direction
BKF47D71D4/RS	M5	A	-	B	0°	"Normal"	CW	A
BSF97D180M4	M2	A+B	-	A+B	180°	"2"	-	A+B
BKH107D160L4	M1	A	B	-	270°	"3"	-	-

所有符号的含义 Symbols used

下表列出，在安装位置上的符号及其含义
The following table shows the symbols used in the mounting position sheets and what they mean:

符号 Symbol	含义 Meaning
	通气器 Breather valve
	油标 Oil level plug
	放油螺塞 Oil drain plug
	进线位置 In line plug

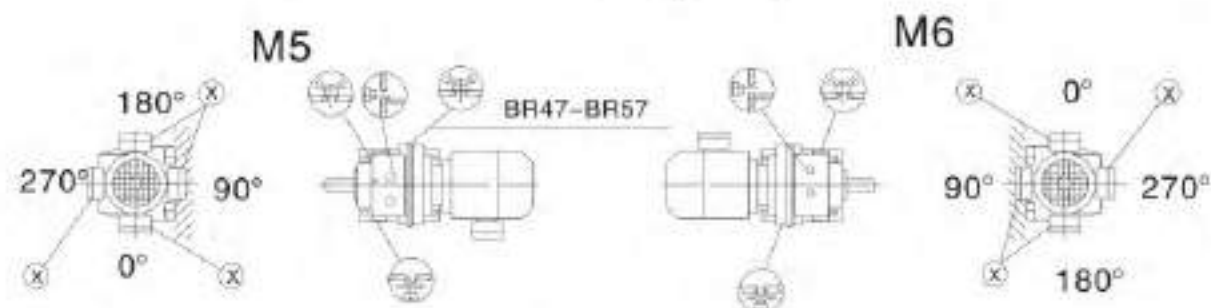
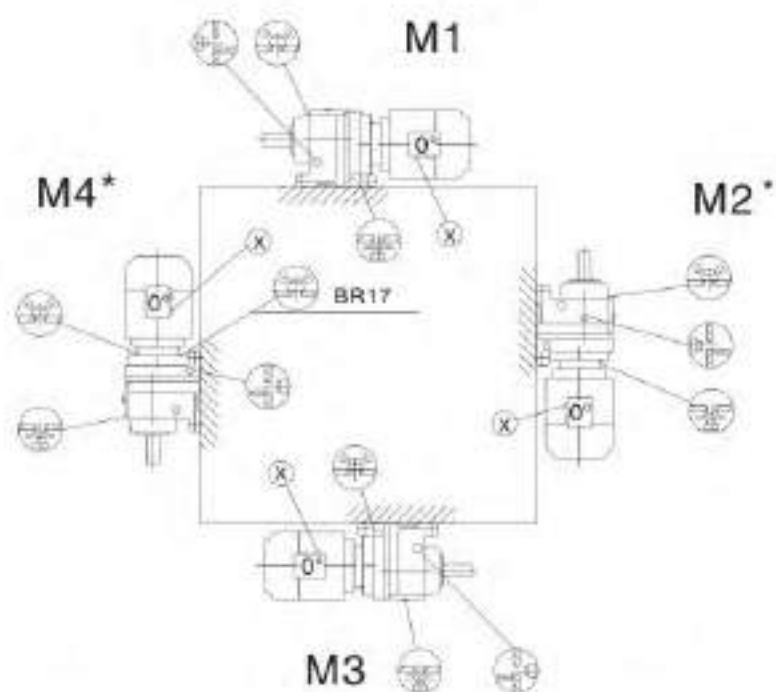
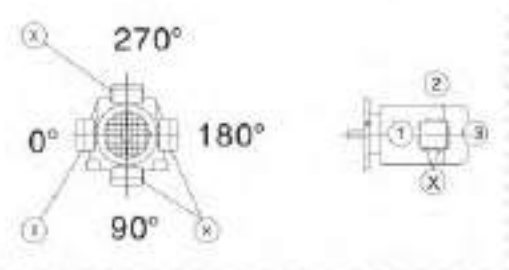
搅油损失 Churning losses

在某些安装位置可能增加搅油损失，在下列结构中请向我公司咨询
In creased churning losses may arise in some mounting positions, Please contact company in case of the following combinations.

安装位置 Mounting position	减速机型号 Gear unit type	减速机规格 Gear unit size	输入速度(rpm) Input speed
M2,M4	BR	97-107	>2500
		>107	>1500
M2,M3,M4, M5,M6	BF	97-107	>2500
		>107	>1500
	BK	77-107	>2500
		>107	>1500
	BS	77-97	>2500

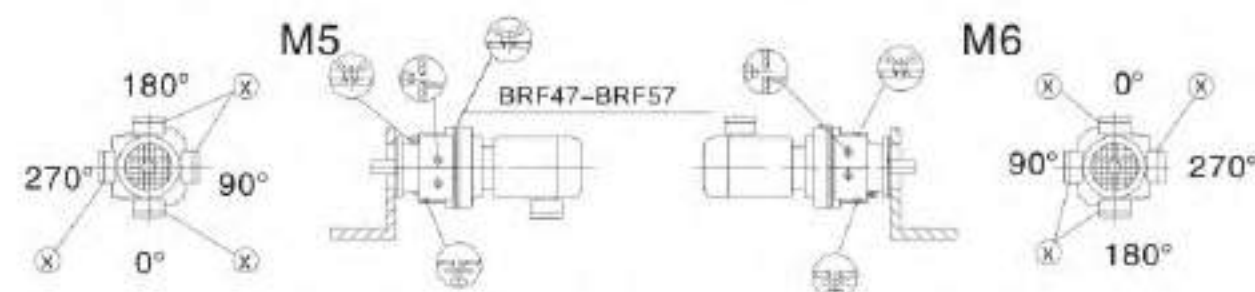
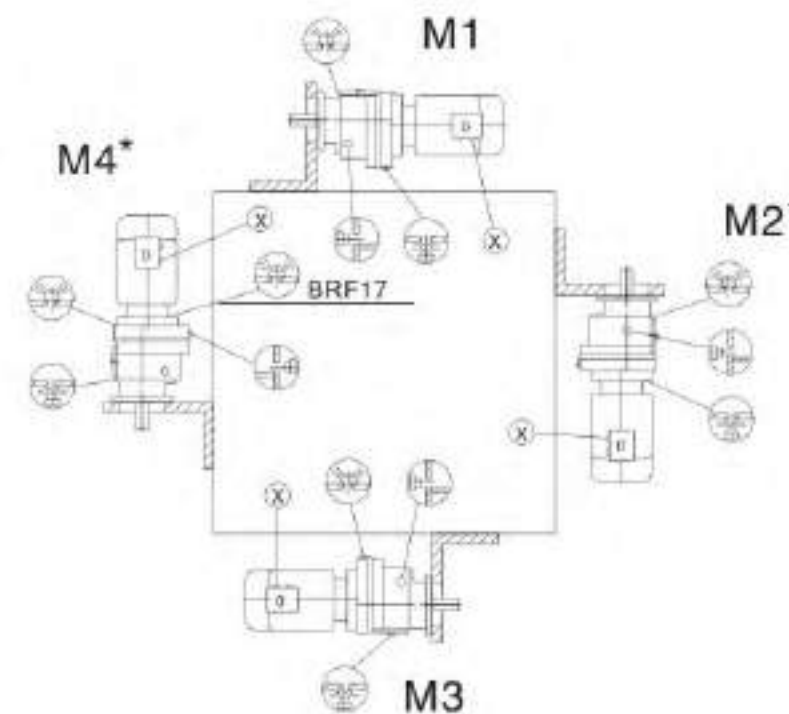
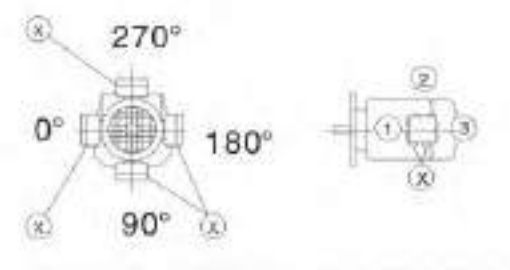
10.2 斜齿轮减速电机安装位置 10.2 Mounting position of Helical gear unit

BR17-BR167



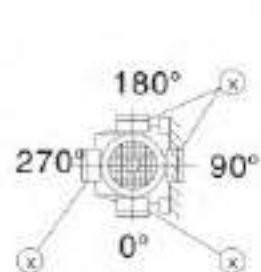
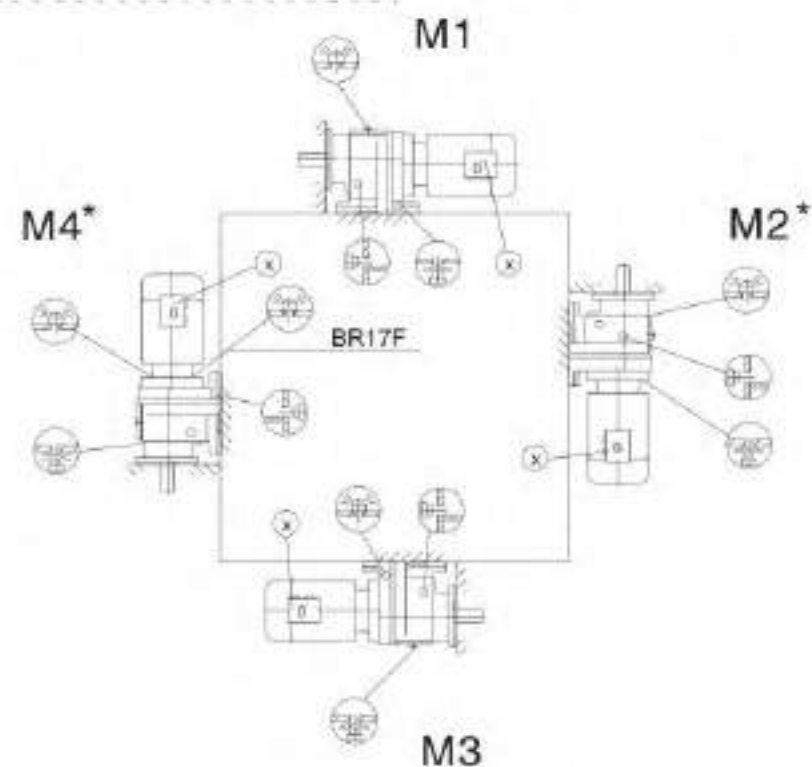
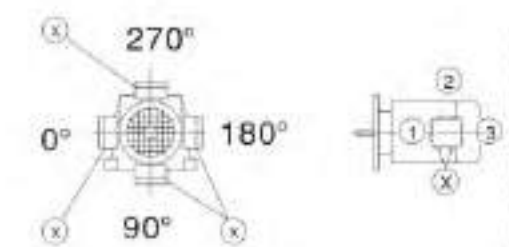
BR17, BR27		M1, M3, M5, M6
BR47, BR57		M5
BR17, BR27		

BRF17-BRF167

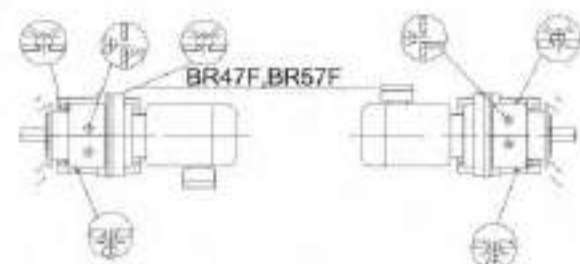


BRF17, BRF27		M1, M3, M5, M6
BRF47, BRF57		M5
BRF17, BRF27		

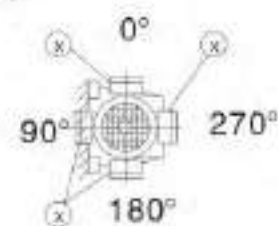
BR17F-BR87F



M5

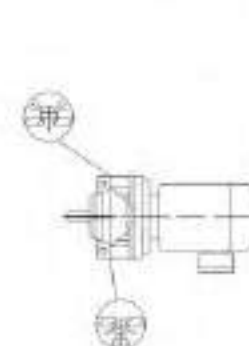
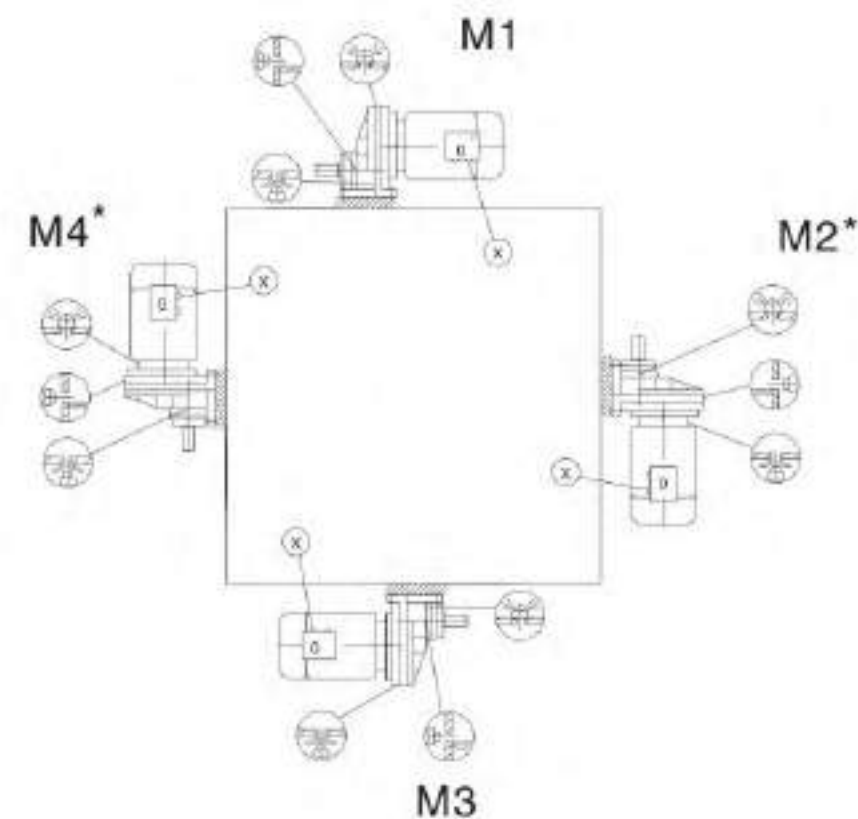
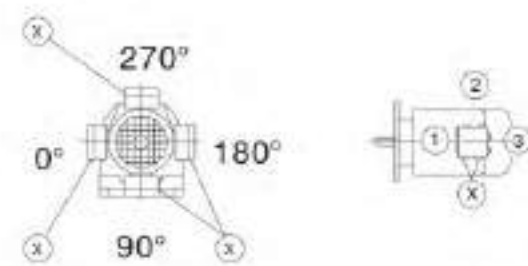


M6

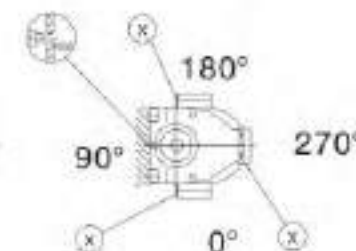


BR17F, BR27F		M1, M3, M5, M6
BR47F, BR57F		M5
BR17F, BR27F		

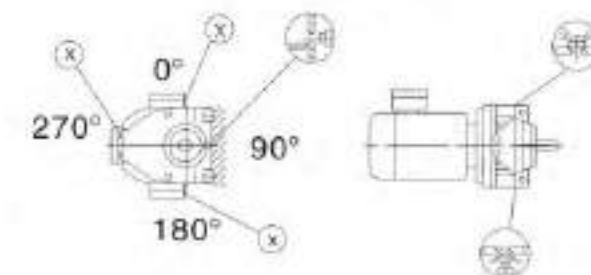
BRX57-BRX107



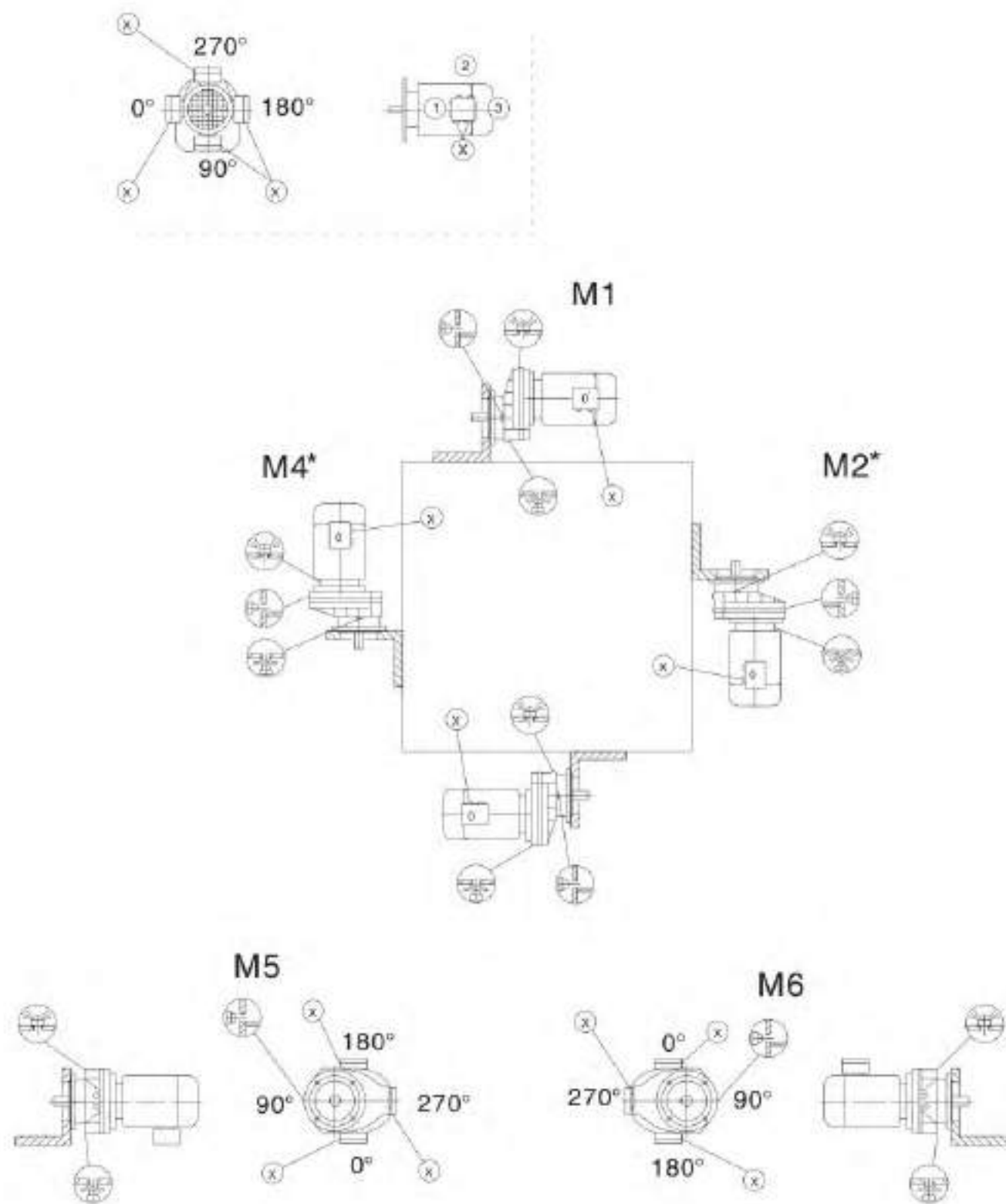
M5



M6

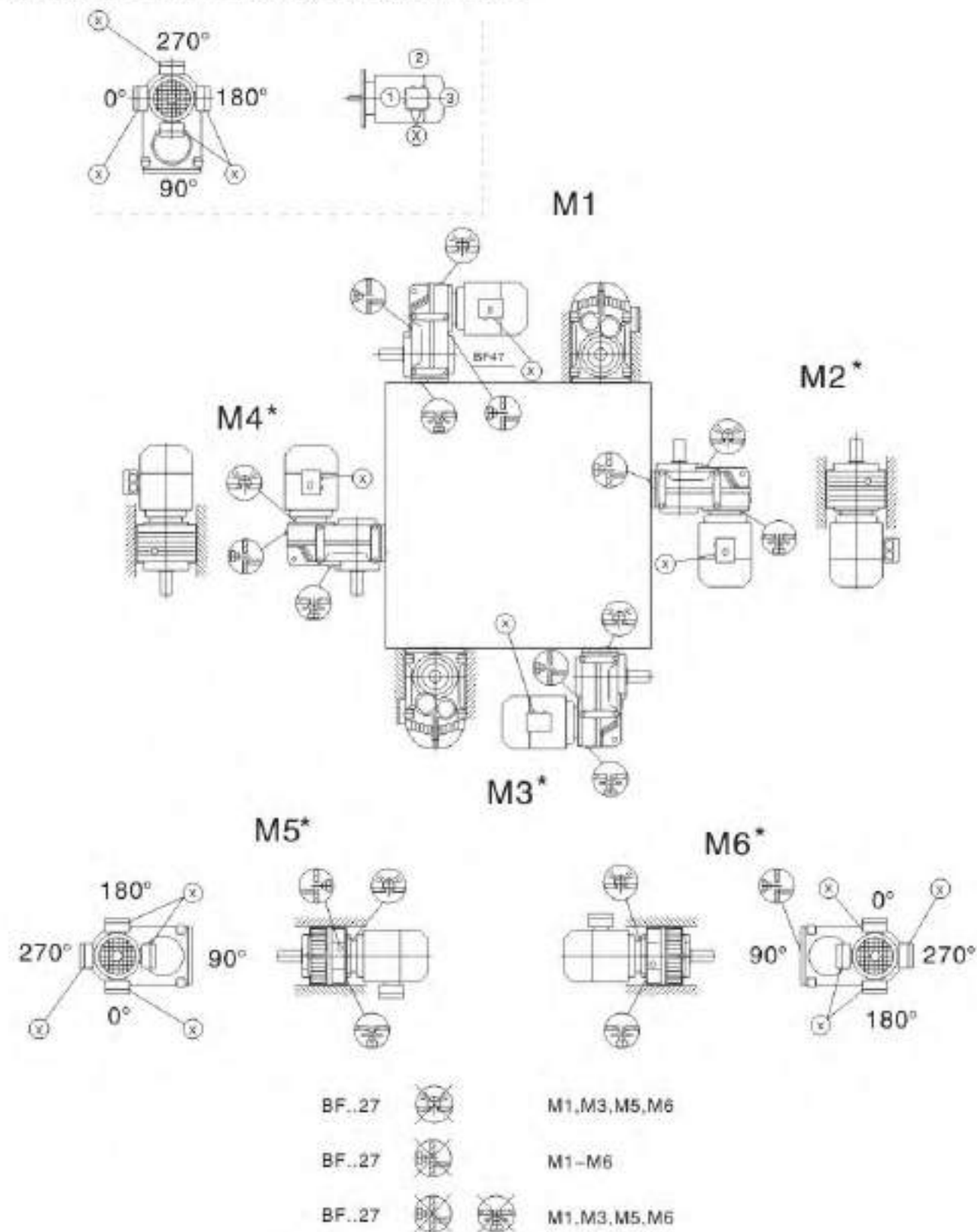


BRXF57-BRXF107

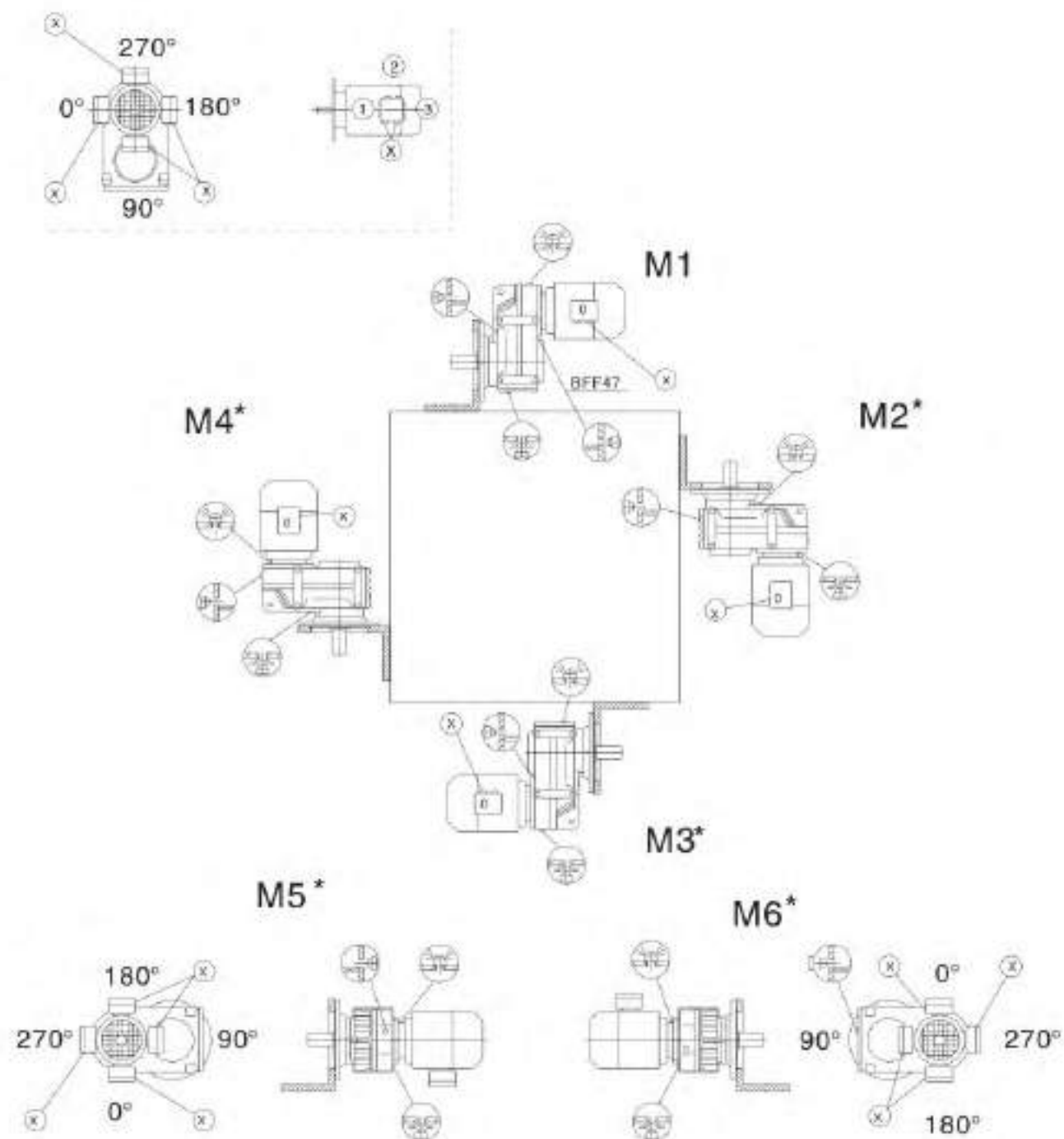


10.3 平行轴斜齿轮减速电机安装位置 10.3 Mounting position of parallel shaft helical Gear unit

BF/FA..B/FH27B-157B, BFV27B-107B

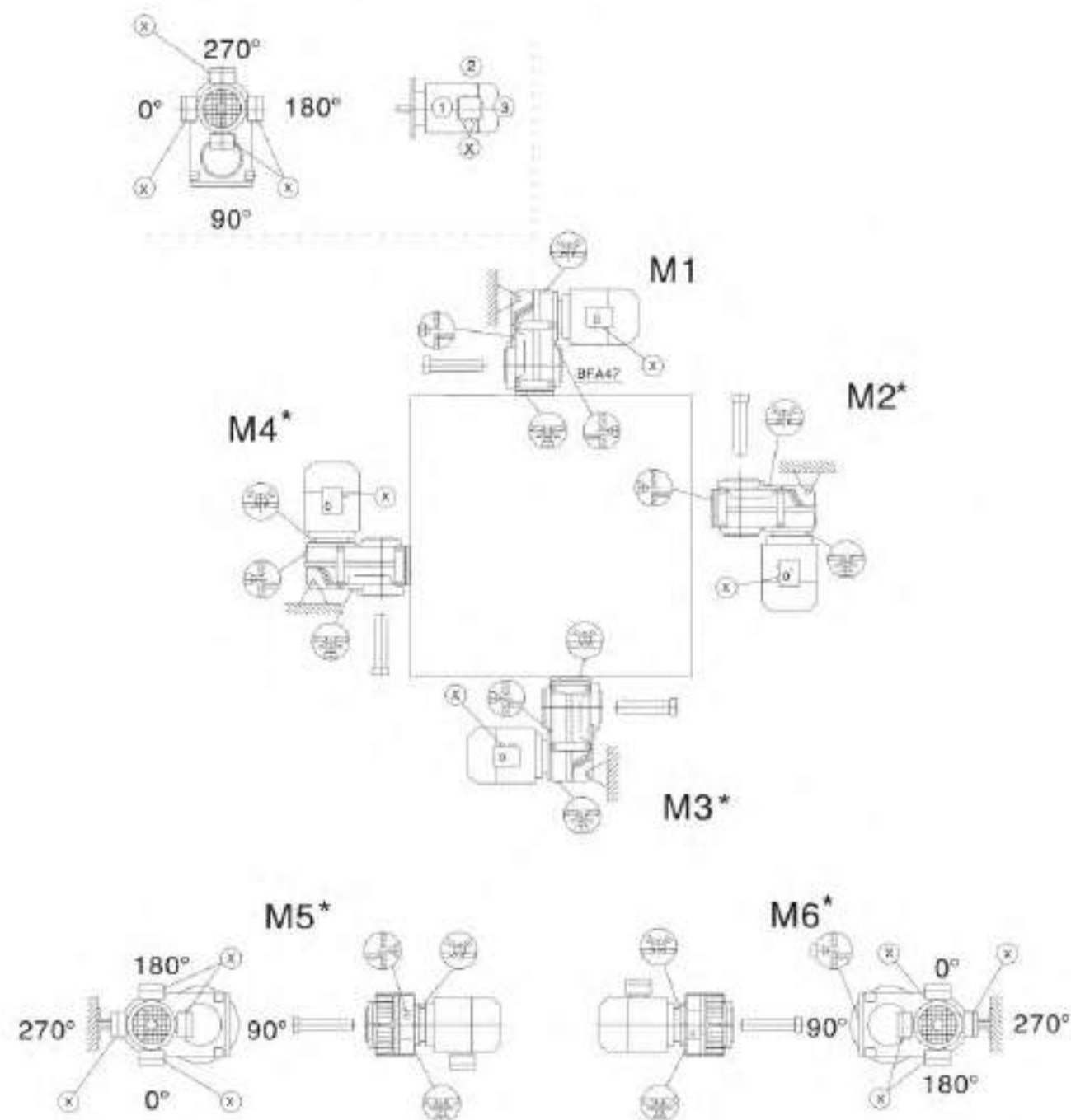


BFF/FAF/FHF/FAZ/FHZ27-157, BFVF/FVZ27-107



BF..27		M1,M3,M5,M6
BF..27		M1-M6
BF..27		M1,M3,M5,M6

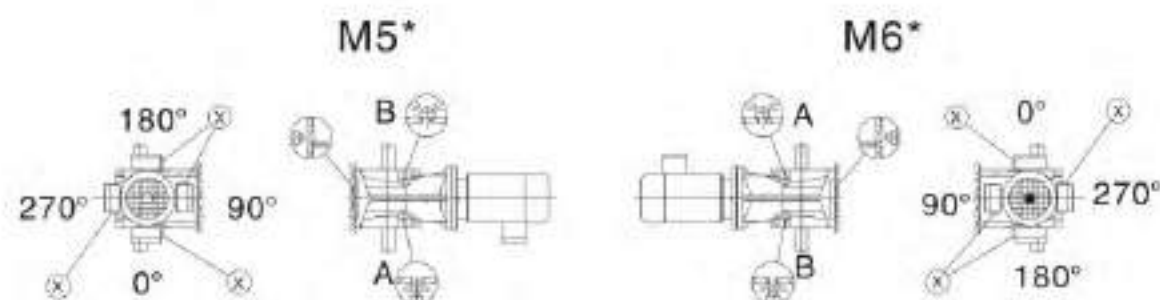
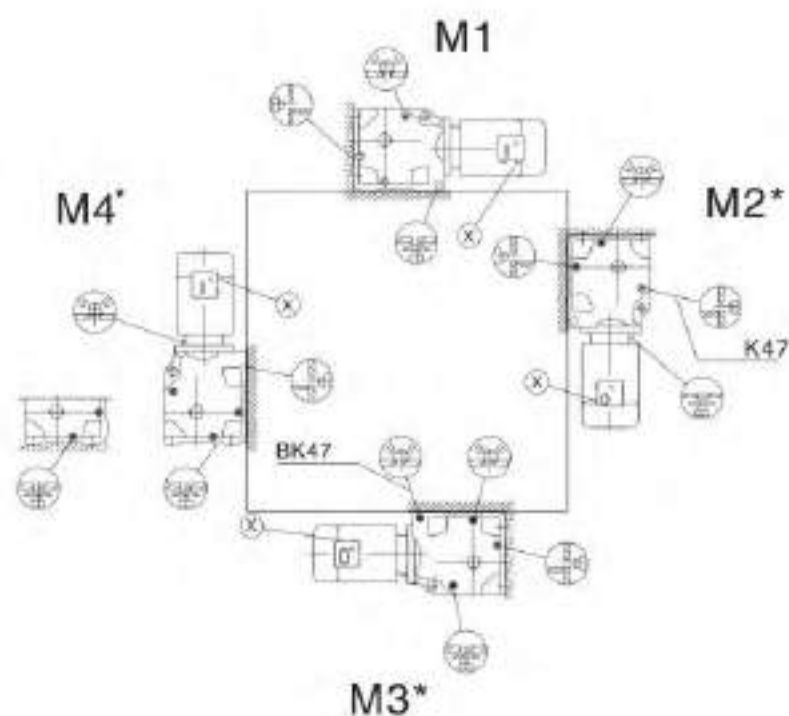
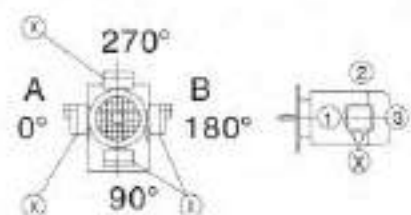
BFA/FH27-157, BFV27-107



BF..27		M1,M3,M5,M6
BF..27		M1-M6
BF..27		M1,M3,M5,M6

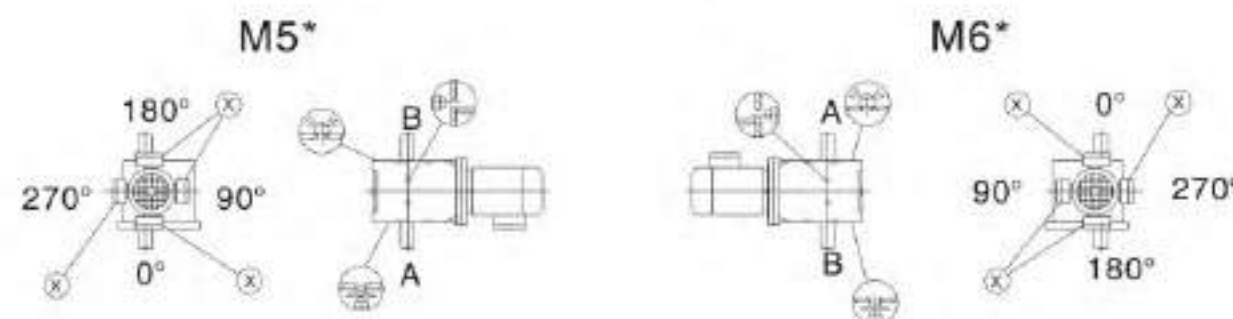
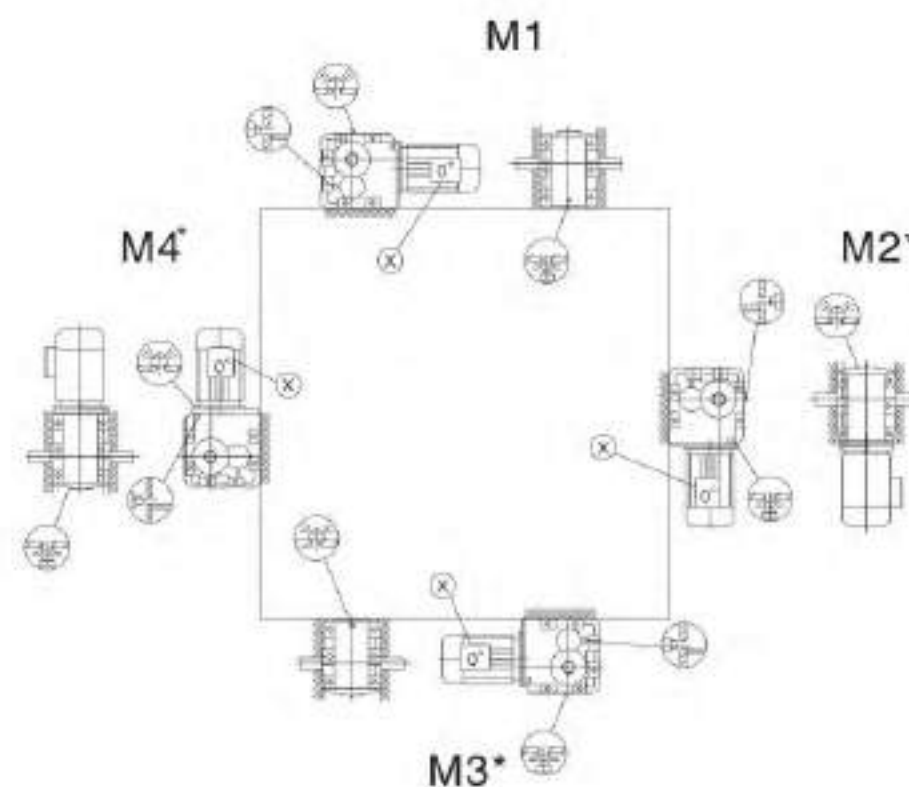
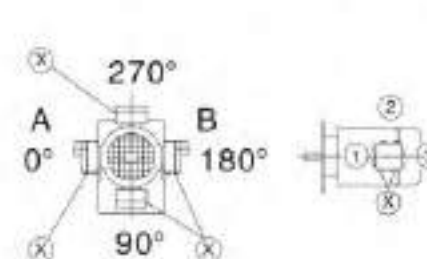
10.4 斜齿轮-伞齿轮减速电机安装位置 Mounting position of helical – bevel Gear unit

BK/KA..B/KH37B – 157B, BKV37B – 107B



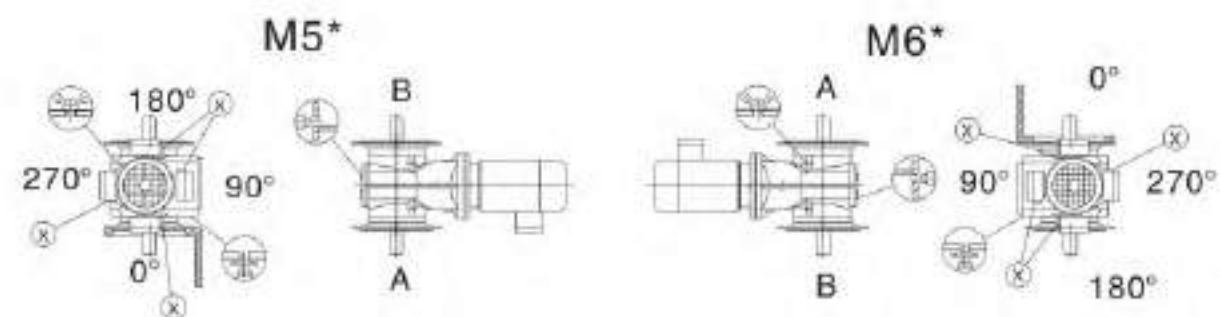
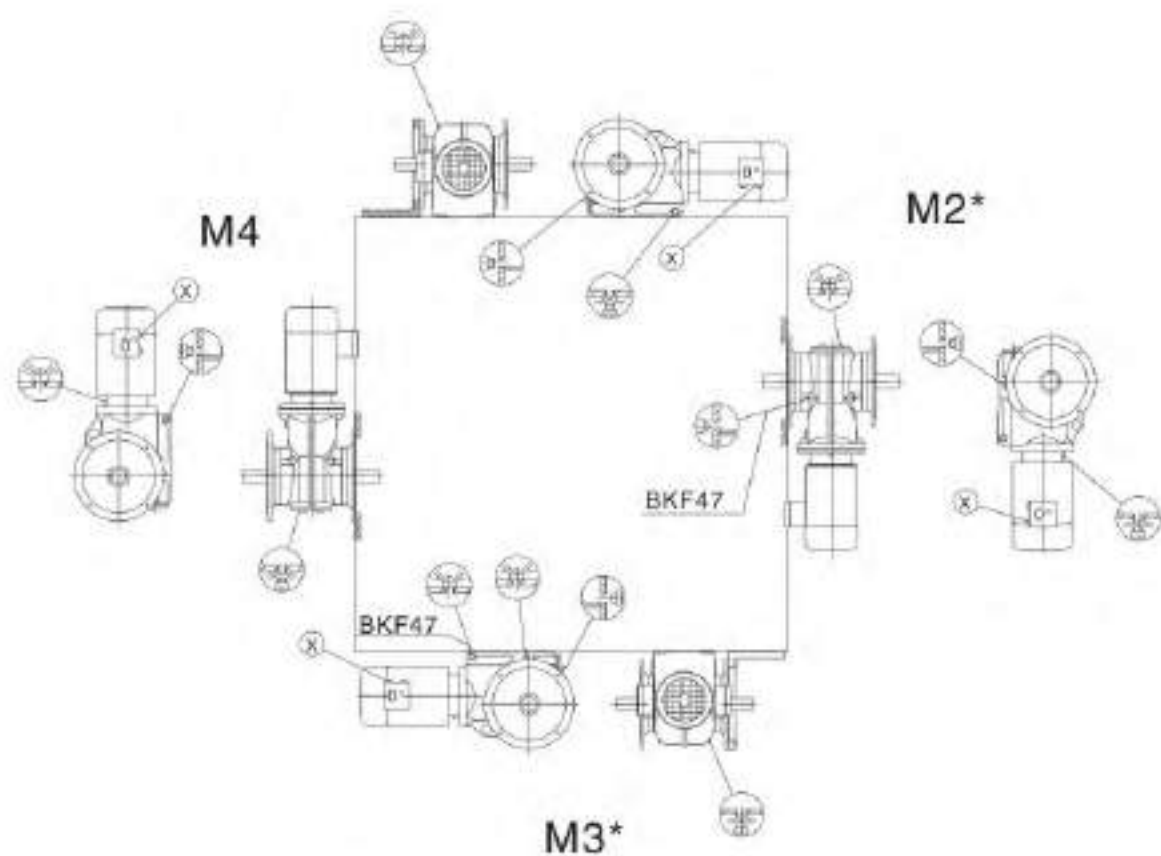
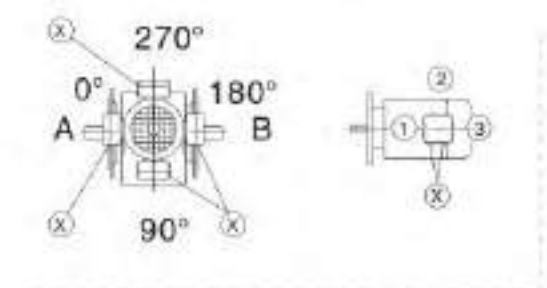
重要:请参见“减速器选型”中“径向和轴向负载”部分。
Important: Please refer to the information in the “Geared Motors” catalog, Optional Planning for Gear units Overhung and axial loads part”.

BK167–187, BKH167B–187B

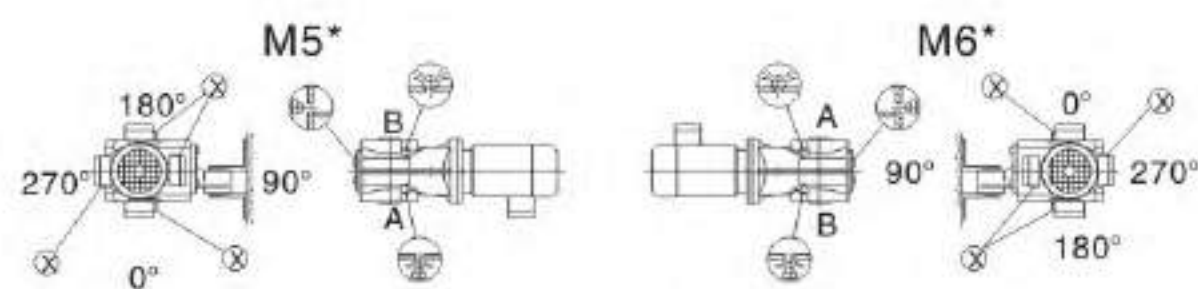
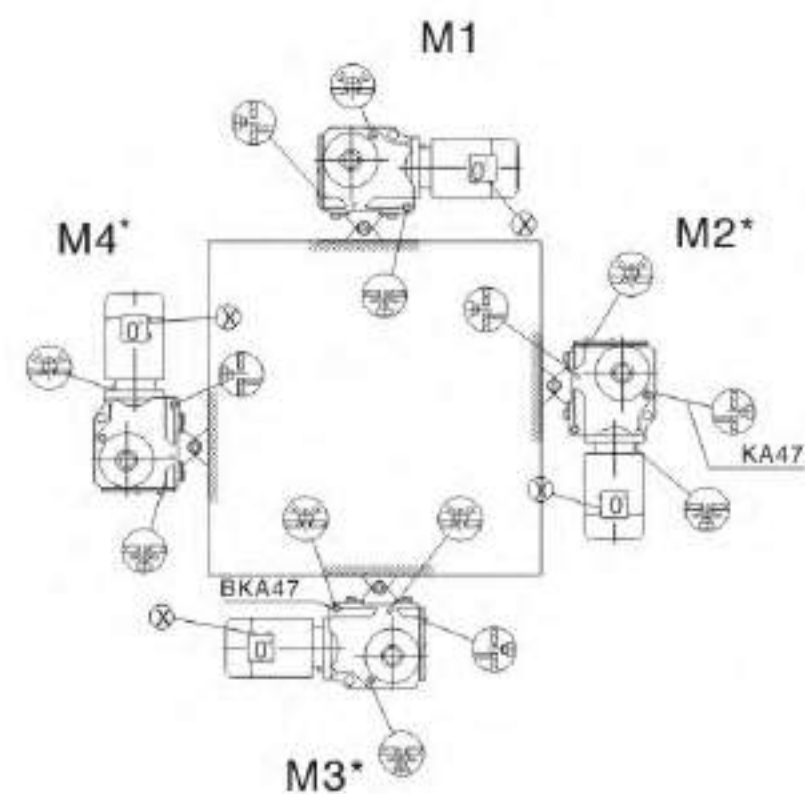
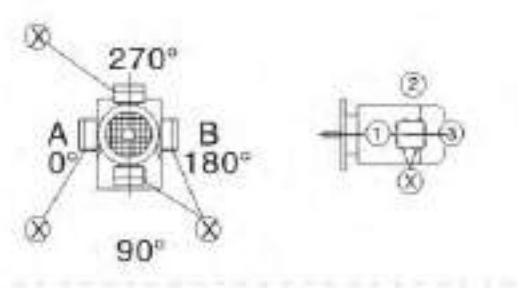


重要:请参见“减速器选型”中“径向和轴向负载”部分。
Important: Please refer to the information in the “Geared Motors” catalog, Optional Planning for Gear units Overhung and axial loads part”.

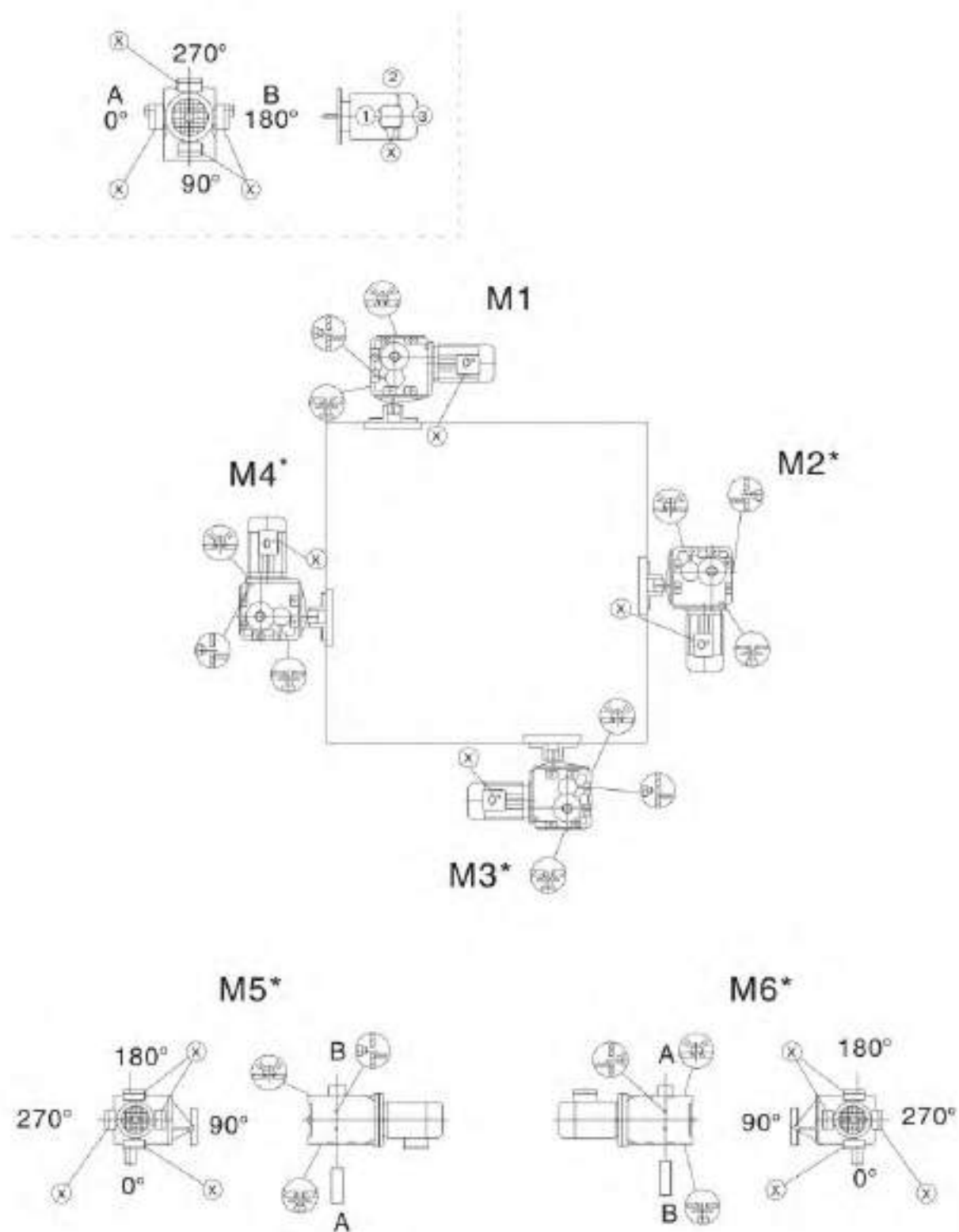
BKF/KAF/KAZ/KHZ37-157, BKVF/KVZ37-107



BKA/KH37-157/T, BKV37-107/T

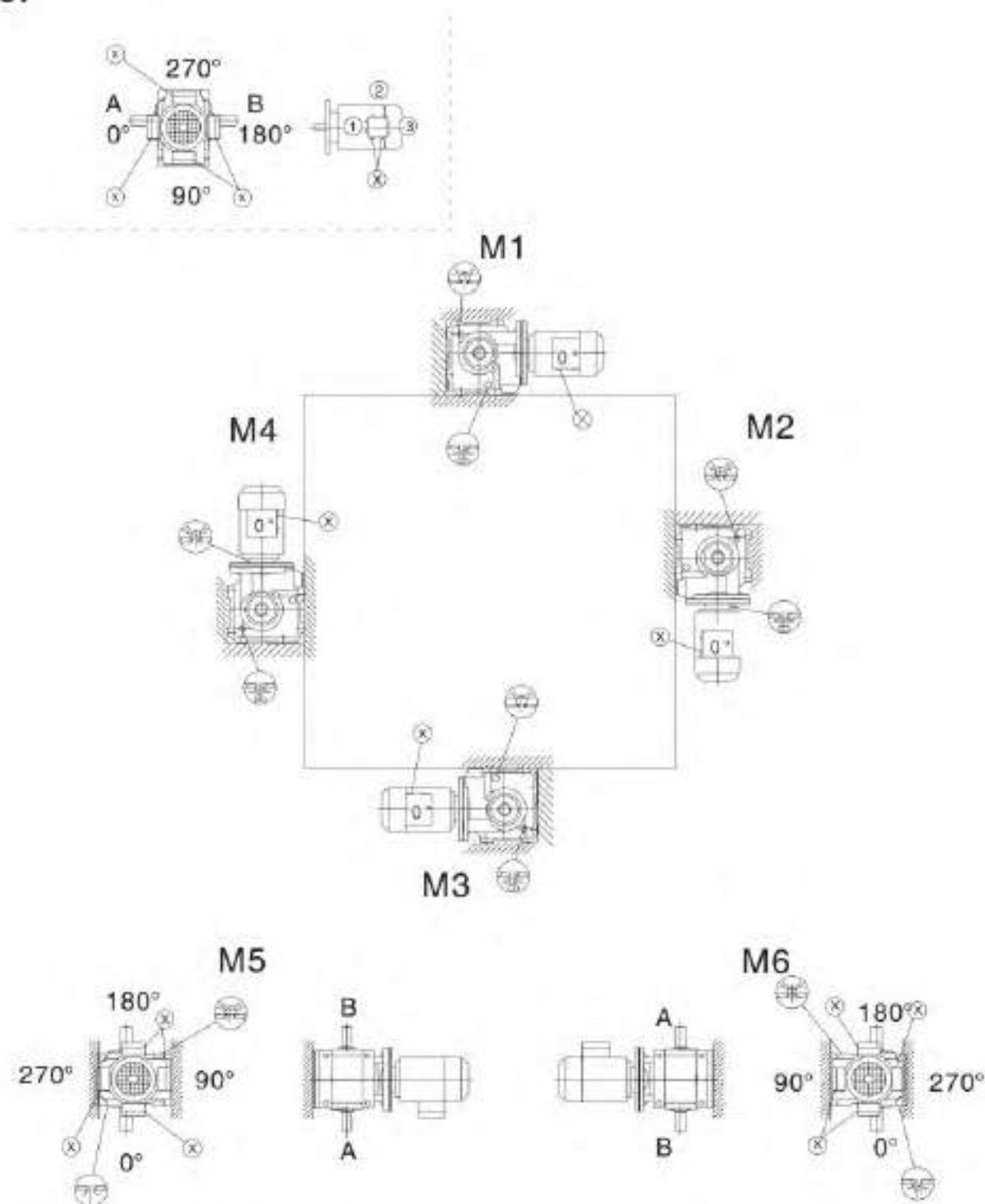


BKH167-187



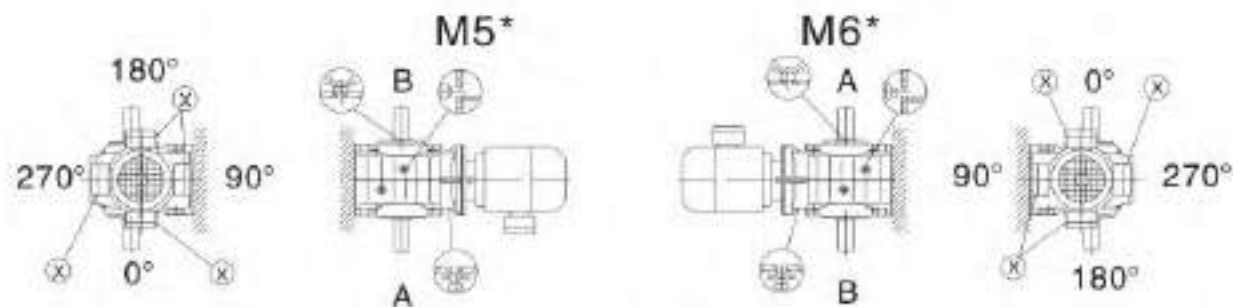
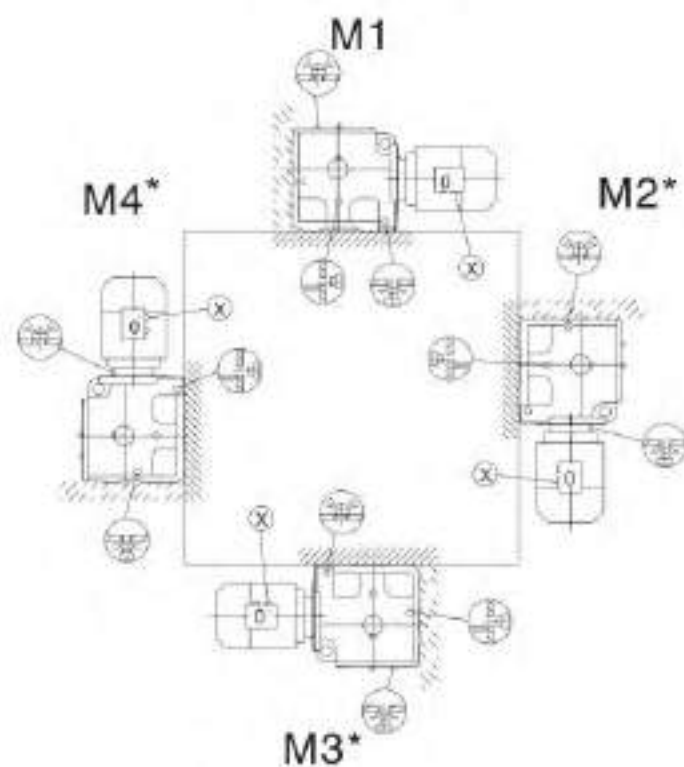
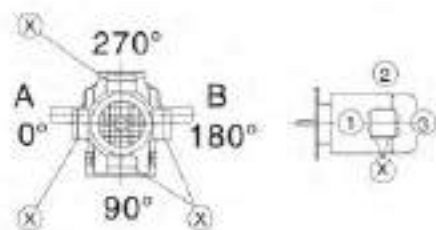
10.5 斜齿轮-蜗杆减速电机安装位置 10.5 Mounting position of Helical-worm Gear motor

BS37



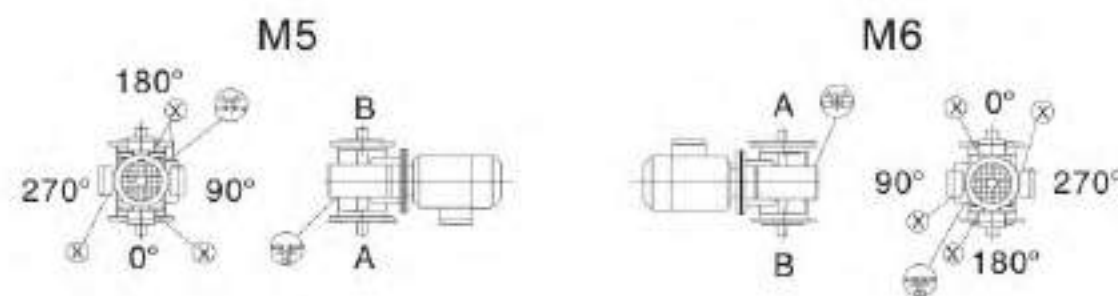
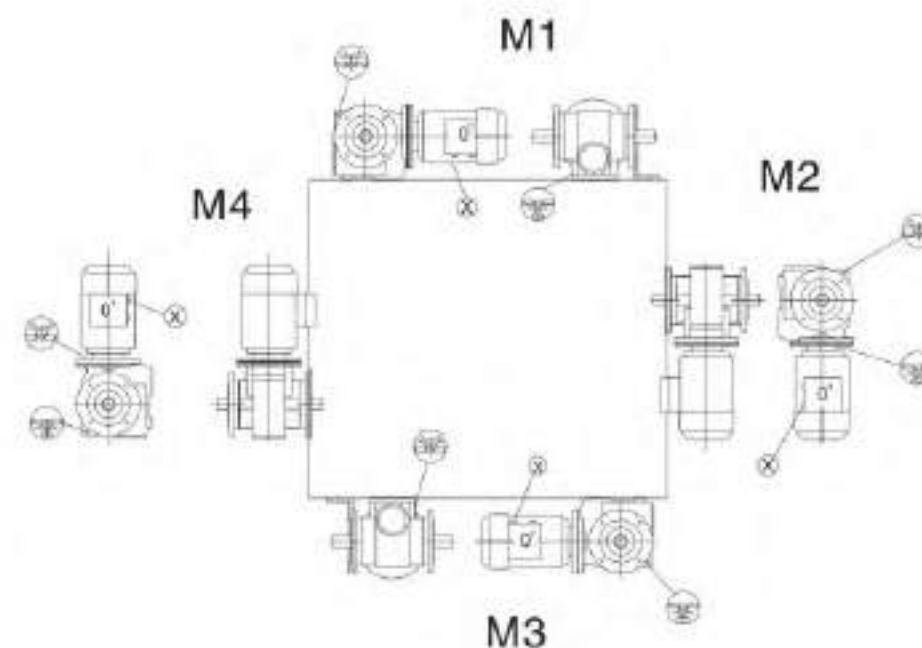
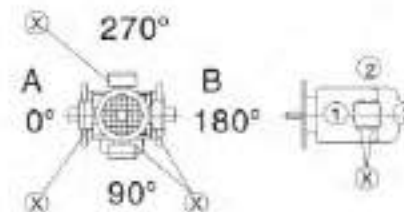
重要: 请参见“减速器选型”中“径向和轴向负载”部分。
Important: Please refer to the information in the "Geared Motors" catalog. Optional Planning for Gear units Overhung and axial loads part.

BS47-BS97

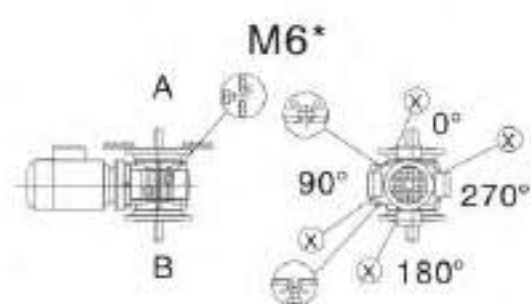
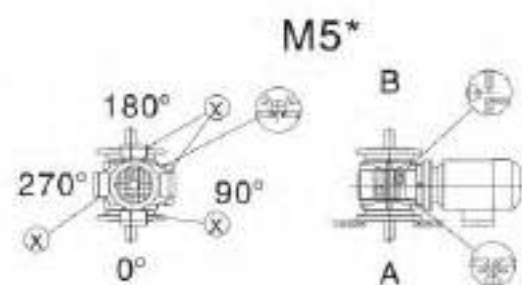
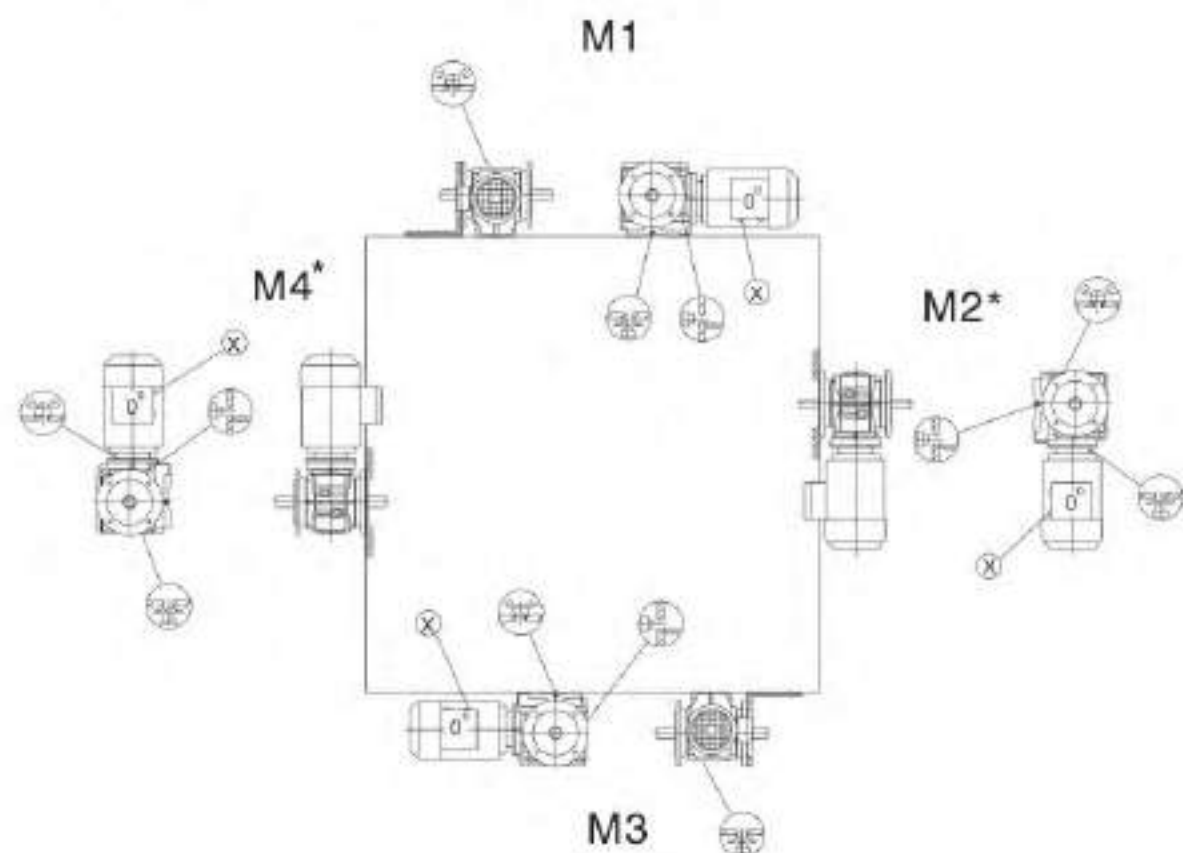
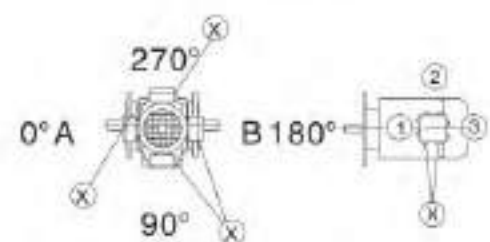


重要: 请参见“减速机选型”中“径向和轴向负载”部分。
Important: Please refer to the information in the "Geared Motors" catalog, Optional Planning for Gear units Overhung and axial loads part.

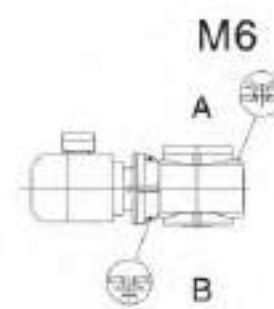
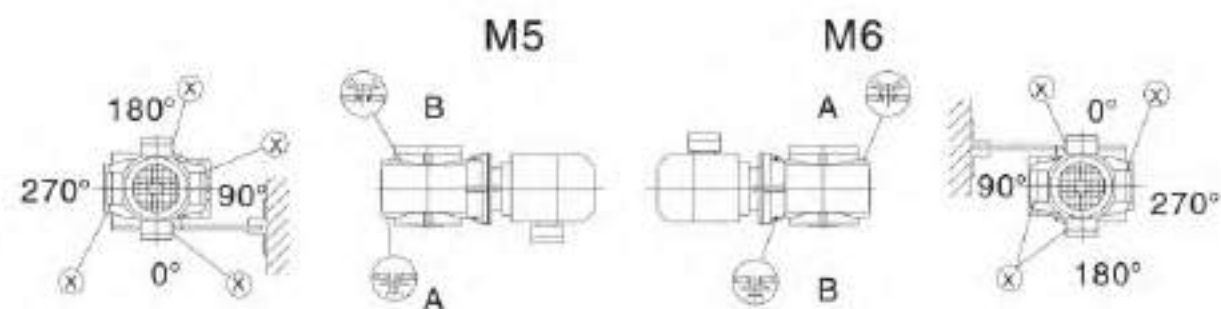
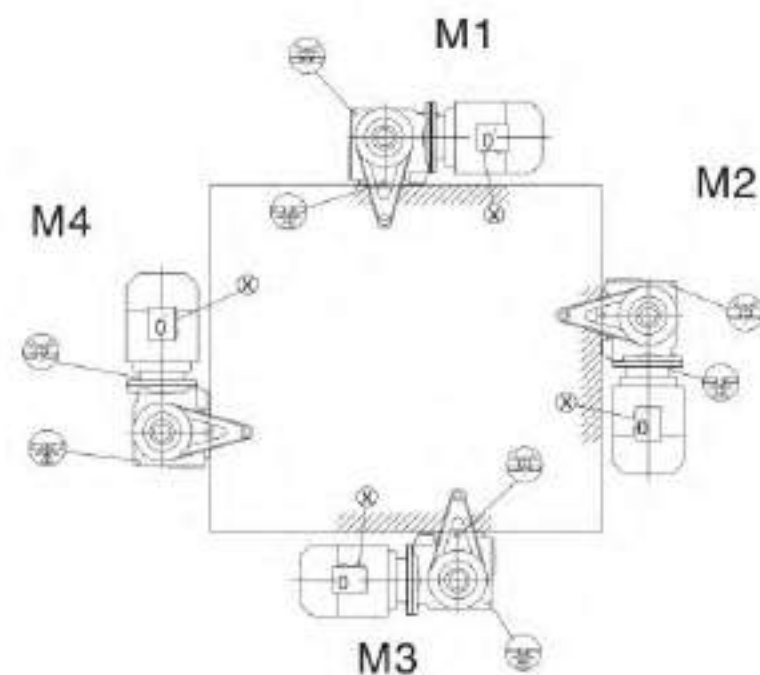
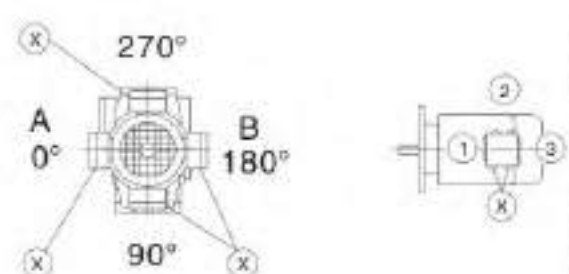
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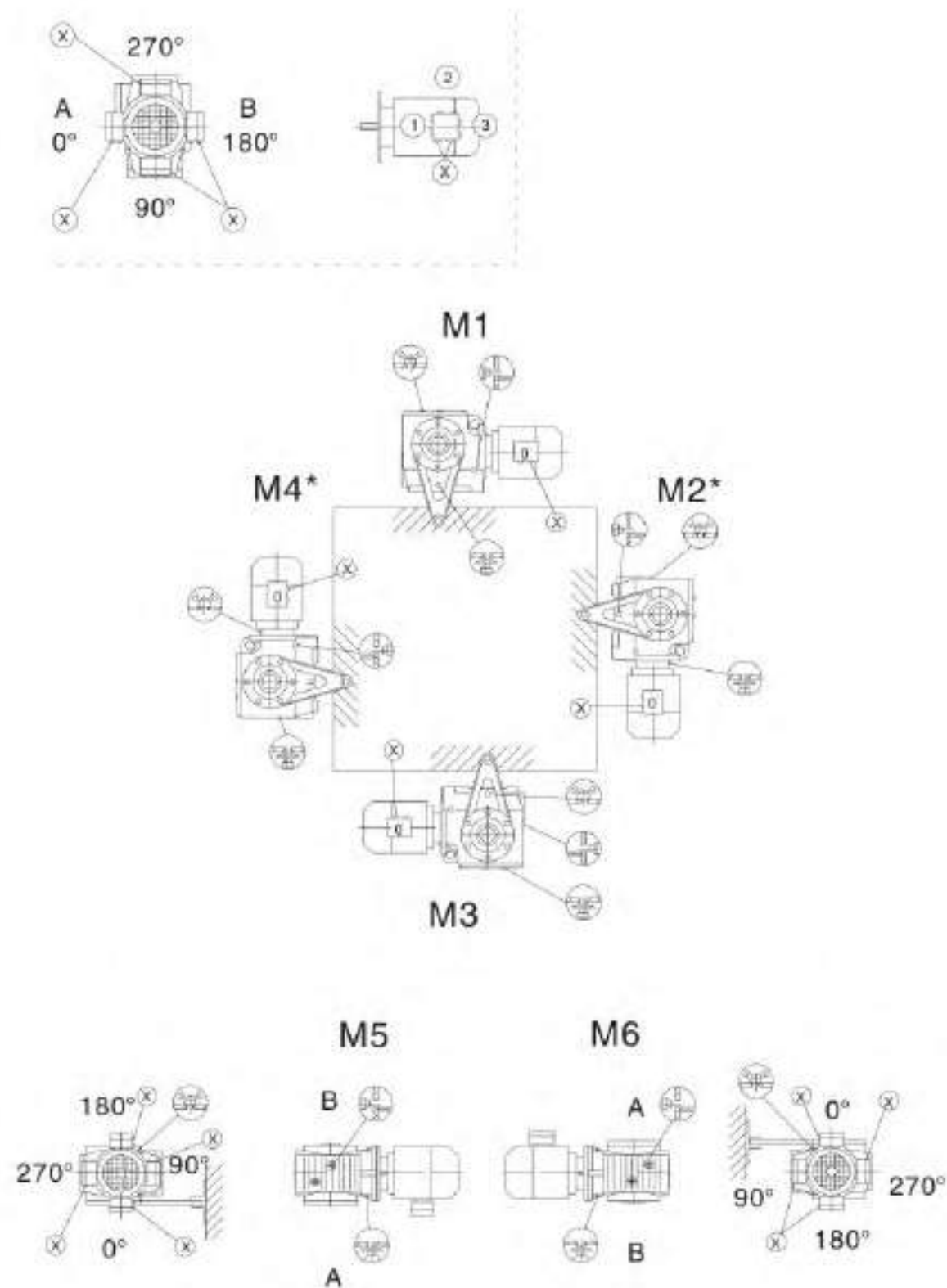
BSF/SAF/SHF/SAZ/SHZ47...-97..



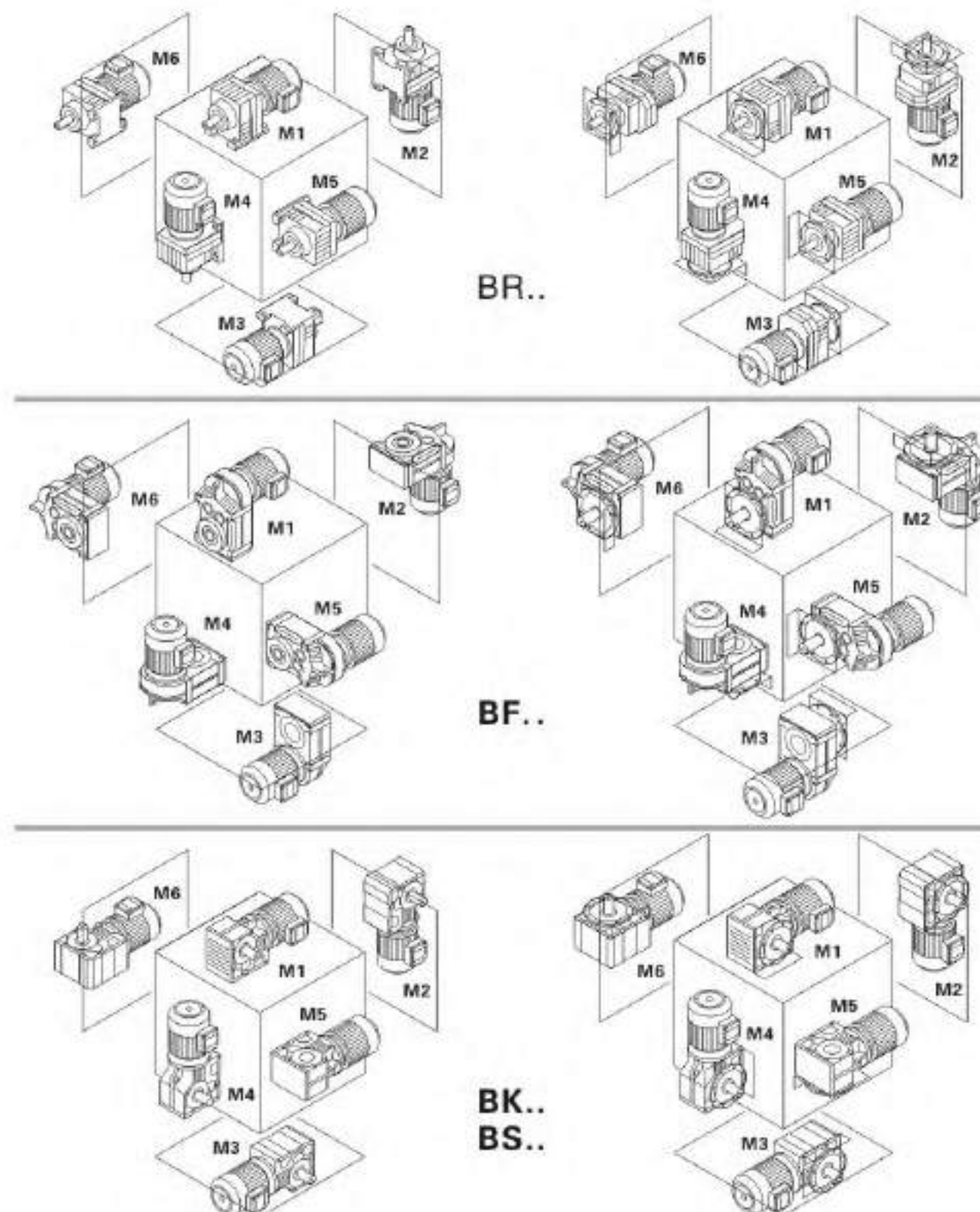
BSA/SH37/T..



BSA/SH47...-97..



安装位置示意图
Schematic diagram of the installation location



11. 尺寸信息 Dimension information

中心高公差 Shaft heights tolerances

h ≤250mm → -0.5mm
h >250 → -1mm

地面安装减速机: 当配有电机时, 电机可能已凸出到安装平面以下, 请注意检查。
Foot-mounted gear units: The motor may project below the mounting surface when fitted, please check.

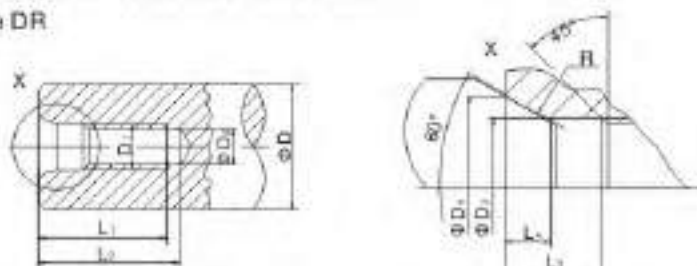
轴公差 Shaft tolerance

直径公差 Diameter tolerance

Φ ≤50mm → ISO k6
Φ >50 → ISO m6

按照DIN332标准有DR型中心孔:

Center hole in accordance with DIN332.
shape DR



输出轴直径ΦD Diameter of Output shaft	D1	D2	D3	D4	R	L1 +2	L2 min	L3	L4 =
ΦD=7-10mm	M3	2.5	3.2	5.3	4.0	9.0	12.0	2.6	1.8
ΦD>10-13mm	M4	3.3	4.3	6.7	5.0	10.0	14.0	3.2	2.1
ΦD>13-16mm	M5	4.2	5.3	8.1	6.3	12.5	17.0	4.0	2.4
ΦD>16-21mm	M6	5.0	6.4	9.6	8.0	16.0	21.0	5.0	2.8
ΦD>21-24mm	M8	6.8	8.4	12.2	10.0	19.0	25.0	6.0	3.3
ΦD>24-30mm	M10	8.5	10.5	14.9	16.0	22.0	30.0	7.5	3.8
ΦD>30-38mm	M12	10.2	13.0	18.1	20.0	28.0	37.0	9.5	4.4
ΦD>38-50mm	M16	14.0	17.0	23.0	25.0	36.0	45.0	12.0	5.2
ΦD>50-85mm	M20	17.5	21.0	28.4	31.5	42.0	53.0	15.0	6.4
ΦD>85-130mm	M24	21.0	25.0	34.2	40.0	50.0	63.0	18.0	8.0
ΦD>130mm	M30	26.5	31.0	42.6	50.0	63.0	85.0	20.0	10.0

空心轴 Hollow shaft

键: 根据DIN6885确定 (圆头平键)
Keys: In accordance with DIN6885(domed type)
直径公差
Diameter tolerance

Φ → ISO H7 塞规测量
ISO H7 measured with plug gauge

花键轴 Multiple-spine shafts

Dm = 测量棒直径 Measuring roller diameter
Me = 检测尺寸 Inspection size

法兰 Flange

止口公差 Centering shoulder tolerance

Φ ≤230mm (flange size A 120-A300) → ISO j6
Φ >230mm (flange size A 350-A660) → ISO h6

对于每个规格的斜齿轮减速机、交流(制动)电机和防爆(制动)电机最多可提供三种不同尺寸的法兰, 每种法兰的尺寸见相关尺寸表。

Up to three different flange dimensions are available for each size of helical gear units AC (brake) motor and explosion-proof AC (brake) motor. The possible flanges per size are indicated in the relevant dimension sheets.

起吊螺栓及吊耳

Lifting eyebolts, suspension eye lugs

BR17和BR27减速机, 电机机座号小于100的减速电机没有配备专门的运输吊装工具, 其它的减速机配有铸造的吊装孔, 用螺栓固定在机体上的吊耳或吊环。
BR17...BR27 helical gear units, motors up to DV100 and Spiroplan geared motors are delivered without special reansport fixtures. Otherwise, the gear units and motors are equipped with cast-on suspension eye lugs, screw-on suspension eye lugs or screw-on lifting eyebolts.

减速机/电机型号规格 Gear unit/motor type	吊环/吊耳 Screw-on lifting eyebolts /suspension eye lugs	铸造吊装孔 Cast-on suspension eye lugs
BR/RF37-57, BRX/RXF57-67	•	—
≥BR67	•	—
BF37-157	—	•
BK37-157	—	•
BK167-187	•	—
BS37-47	•	—
BS57-97	—	•
≥D112	•	—

通气阀 Breather valves

减速机尺寸图总是显示为螺塞, 相应地螺塞在出厂前按照其定货要求的安装位置更换为通气阀。这意味着减速机的外形尺寸图稍有不同。
The gear unit dimension drawings are always shown with screw plugs. The corresponding screw plug is replaced by an breather valve at the factory depending on with mounting position M1-M6 is ordered. This means the contour dimensions may be slightly different.

键紧盘连接 Shrink disk connexion

对于键紧盘连接的空心轴减速机: 若需要可向我公司索要关于键紧盘的详细数据表。
Hollow shaft gear unit with shrink disk connection: If required, please request a detailed data sheet on shrink disks form company, data sheet no.33 753..95.

花键空心轴 Splined hollow shaft

BFV...和BKV...减速机从37到107可提供按DIN5480制作的花键空心轴。
Hollow shaft gear units BFV... in sizes 37-107 and BKV... in sizes 37-107 are supplied with a splined hollow shaft to ISO4762.

BFA/BFH/BFV的橡胶缓冲垫 Rubber buffer for BFA/BFH/BFV

f为在力矩Mamax作用下橡胶缓冲垫被压缩的距离尺寸
f stands for the compressed dimension of Rubber buffer in the Manax torque.

制动电机 brake motors

配制动电机时, G1B的尺寸代替G1; KB代K
In brake motors, dimensions G1B apply instead of G1 and KB instead of K

电机附件 Motor accessory

电机的尺寸因不同的电机附件而不同, 请参考电机选择的尺寸图。
The motor dimensions may different as a result of motor accessory. Please refer to the dimensions of the motor accessory.

特殊应用 Special versions

接线盒的尺寸, 在特殊应用如KS或CSA时与标准形式的尺寸不同。
The dimensions of the terminal box on special versions such as KS or CSA may different form the standard dimensions.

备忘录 Notes

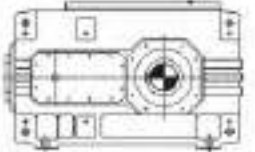
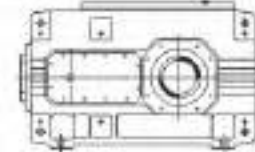
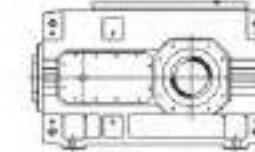
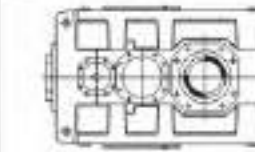
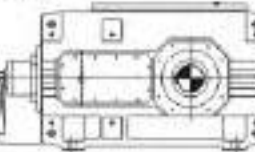
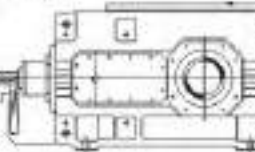
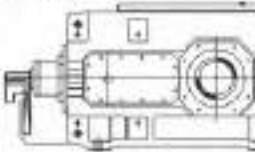
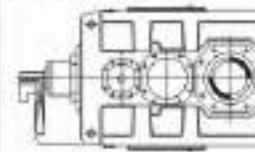
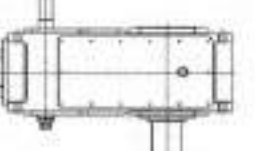
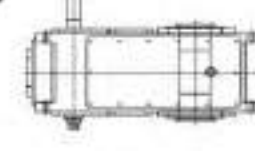
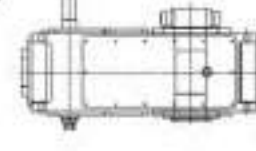
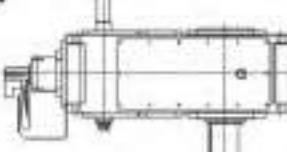
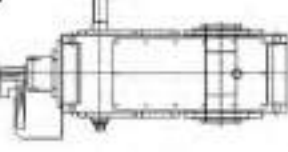
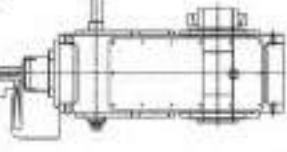
12. 标准齿轮箱 Gear Units

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齿轮箱 Gear Units

基本类型概括 Summary of Basic Types

卧式安装		Horizontal mounting position	
平行轴齿轮箱 类型 H1...H2...H3...H4... 1~...4-级传动, iN=1.25~450		Helical gear units Types H1...H2...H3...H4... 1~...4-stage, iN=1.25~450	
H.SH 	H.HH 	H.DH 	H.HM,H.DM 
直交轴齿轮箱 类型 B2...B3...B4... 2~...4-级传动, iN=5~400		Bevel-helical gear units Types B2...B3...B4... 2~...4-stage, iN=5~400	
B.SH 	B.HH 	B.DH 	B.HM,B.DM 
立式安装		Vertical mounting position	
平行轴齿轮箱 类型 H2.V,H3.V,H4.V 2~...4-级传动, iN=6.3~450		Helical gear units Types H2.V,H3.V,H4.V 2~...4-stage, iN=6.3~450	
H.SV 	H.HV 	H.DV 	
直交轴齿轮箱 类型 B2.V,B3.V,B4.V 2~...4-级传动, iN=5~400		Bevel-helical gear units Types B2.V,B3.V,B4.V 2~...4-stage, iN=5~400	
B.SV 	B.HV 	B.DV 	

齿轮箱 Gear Units

性能特点 Characteristic

平行轴齿轮箱 Helical Gear Units

直交轴齿轮箱 Bevel-helical Gear Units

- H/B齿轮箱有3~26型规格, 传动级数1~4级, 速比1.25~450, 产品组合能力强, 与BR、BK、BS系列组合可得到更大的速比;
- H/B采用高度的模块化设计方案, 互换程度高, 衍生出适合不同应用的需要, 交货期短;
- 实现平行轴、直交轴、立式、卧式通用箱体, 零部件种类减少、规格型号增加;
- 输入方式可采用电机联接法兰、轴输入; 输出方式多样化;
- 优质高纯度合金钢齿轮采用精密渗碳磨削, 抗冲击能力强, 修形修向提高承载力、降温、降噪等性能;
- 高强度灰铸铁箱体, 高精度数控加工; 水平剖分式箱体, 适应各种出轴及安装方式, 维护方便;
- 氟橡胶油封密封, 完善的防漏油性能;
- 丰富的可选附件(冷却风扇、冷却盘管、油泵、电机底座、扭力臂等);
- 可按客户需求变型为各种行业专用产品。

- H/B gear units contain 3~26 types with detailed specifications, stages 1~4, ratio 1.25~450. It can be combined with BR, BK and BS series products in order to achieve higher ratio.
- Because of high modularization, H/B series is highly exchangeable and flexible, short delivery time.
- Generality gear box for parallel shafts, straight shafts, vertical and horizontal using which can reduce parts' s type and increase models.
- Input mode can be shaft input or flange input, various output style.
- Gears made by high purity alloy steel are in precise carburizing grinding, strong impact resistance, modification leading to improvement of loading capacity, cooling and quiet running etc.
- Housing made by high strength cast iron are processed by precision CNC machine tools, gear box with split casting can be used in various shafts, installed and maintained easily.
- Fluorine rubber oil seal has excellent anti-leakage performance.
- Optional accessories (fan, cooling coil, oil pump, motor base, torque arm and etc.) are offered for various professional fields and industry according to customer demands.
- We can make custom gear units according to customers' s requires.

注意事项

应严格遵守以下各项:

- 样本中的附图只属范例, 并不要求严格一致, 所注尺寸可以有所变动。
- 所注重量仅为平均值, 并不要求严格一致。
- 为防止发生事故, 所有旋转部件均应根据国家和本地安全规定加罩防护。
- 试车之前, 必须认真阅读设备操作说明书。减速机供货时已作好运行准备, 只是未加润滑油。
- 此处给出的加油量只作为参考值。实际油量以油标上的标记为准。
- 润滑油粘度须以减速机铭牌上的数值为准。
- 减速机供货时带径向轴封。用户如有特别要求, 可提供其它形式的密封装置。
- 转动方向是指输出轴d₂的方向。

Attention:

The following items are absolutely to be observed:

- Illustrations are examples only and are not strictly binding. Dimensions are subject to change
- The weights are mean values and not strictly binding.
- To prevent accidents, all rotating parts should be guarded according to local and national safety regulations.
- Prior to commissioning, the operating instructions must be observed. The reducers are delivered ready for operation but without oil filling.
- Oil quantities given are guide values only. The exact quantity of oil depends on the marks on the oil dipstick.
- The oil viscosity has to correspond to the data given on the name plate.
- The reducers are supplied with radial shaft seals. Other sealing variants on request.
- Directions of rotation referring to output shaft d₂.

在标注尺寸的图纸上使用的符号说明如下:

Explanation of symbols used in the dimensioned drawings:

-  = 油 尺 Oil dipstick
-  = 通气孔 Breather
-  = 放油孔 Oil drain
-  = 加油孔 Oil filler

规格13号以上减速机箱体地脚上配有千斤顶螺丝, 箱盖上配有调平面。

From size 13 up jack screws in the housing feet, and leveling pads on the upper housing part.

基础螺栓的最低性能等级为8.8级

Foundation bolts of min. property class 8.8.

H	2	S	V	11	100	B	PG1	2
---	---	---	---	----	-----	---	-----	---

润滑方式

- 1-浸油润滑
- 2-法兰泵强制润滑
- 3-电动机强制润滑

lubrication's wise

- 1-Dip lubrication
- 2-Forced lubrication with flanged pump
- 3-Forced lubrication with motor pump

冷却方式

- PG1=无辅助冷却装置
- PG2=带风扇
- PG3=带冷却盘管
- PG4=带风扇和冷却盘管

Cooling wise

- PG1=without auxiliary cooling
- PG2=fan cooling
- PG3=cooling coil
- PG4=fan and cooling coil

布置形式

- A, B, C, D...

Design

- A, B, C, D...

速比

- 1.25...450

Ratio

- 1.25...450

规格

- 1...26

Size

- 1...26

安装方式

- H=卧式安装
- M=卧式安装, 不带底脚
- V=立式安装

Mounting

- H=Horizontal
- M=Horizontal design without feet
- V=Vertical

输出轴布置形式

- S=实心轴
- H=空心轴
- D=带胀紧套的空心轴

Output shaft design

- S=Solid shaft
- H=Hollow shaft
- D=Hollow shaft for shrink disk

传动级数

- 1, 2, 3或4

No. of stages

- 1, 2, 3 or 4

类型

- H=平行轴减速机
- B=直角轴减速机

Type

- H=Helical Gear Units
- B=Bevel-helical Gear Units

<p>1. 确定齿轮箱的类型及规格 1. Determination of gear unit type and size</p>	<p>1.1 计算传动比 Find the transmission ratio</p> $i_x = \frac{n_1}{n_2}$ <p>1.2 确定齿轮箱的额定功率 Determine nominal power rating of the gear unit</p> $P_a \geq P_s \times f_1 \times f_2 \times S_A$ <p>如果不满足下列条件, 请向我们咨询 It is not necessary to consult us, if:</p> $3.33 \times P_s \geq P_a$ <p>1.3 校核最大扭矩, 如峰值工作扭矩、起动扭矩或制动扭矩, 看其是否满足要求 1.3 Check for maximum torque, e.g. peak operating-, starting- or braking torque</p> $P_s \geq \frac{T_s \times n_1}{9550} \times i_x$ <p>齿轮箱的规格和传动级数在额定功率选型表中, 可根据i_x和P_a确定。 Gear unit sizes and number of reduction stages are given in i_x rating tables depending on i_x and P_a.</p> <p>1.4 检查输出轴上是否允许有附加载荷: 见281-282页 1.4 Check whether additional forces on the output shaft are permissible: see pages 281-282</p> <p>1.5 根据273-276页上的表检查实际传动比是否满足要求 1.5 Check whether the actual ratio i as per table on pages 273-276 is acceptable</p>				
	<p>安装方式 Mounting position</p> <table border="1"> <thead> <tr> <th>卧式安装 Horizontal</th><th>立式安装 Vertical</th></tr> </thead> <tbody> <tr> <td> <p>2. 确定润滑方式 2. Lubrication method to determine</p> <p>所有需要润滑的零部件均浸在润滑油中, 或采用飞溅润滑方式, 也可按用户要求提供强制润滑方式。 All parts to be lubricated are lying in the oil or are splash lubricated. Forced lubricated on request</p> </td><td> <p>可选润滑油供给方式: — 浸油润滑 — 通过法兰联接泵或电动机进行强制润滑。 有关合适的供油方式和选择标准, 参见343-350页。 Possible oil supply variations: — Dip lubrication — Forced lubrication by means of flanged-on pump or motor pump. For preferred variants and criteria to selection, page 343-350.</p> </td></tr> </tbody> </table>	卧式安装 Horizontal	立式安装 Vertical	<p>2. 确定润滑方式 2. Lubrication method to determine</p> <p>所有需要润滑的零部件均浸在润滑油中, 或采用飞溅润滑方式, 也可按用户要求提供强制润滑方式。 All parts to be lubricated are lying in the oil or are splash lubricated. Forced lubricated on request</p>	<p>可选润滑油供给方式: — 浸油润滑 — 通过法兰联接泵或电动机进行强制润滑。 有关合适的供油方式和选择标准, 参见343-350页。 Possible oil supply variations: — Dip lubrication — Forced lubrication by means of flanged-on pump or motor pump. For preferred variants and criteria to selection, page 343-350.</p>
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<p>3. 确定冷却方式 3. Sure cooling way</p>	<p>3.1 如满足以下条件, 则齿轮箱可不带辅助冷却装置: 3.1 Adequate for gear unit without auxiliary cooling, if:</p> $P_s \leq P_{G1} \times f_1 \times f_2 \times f_3 \times f_4$ <p>3.2 如满足以下条件, 则齿轮箱带冷却风扇可满足要求: 3.2 Adequate for gear unit with fan cooling, if:</p> $P_s \leq P_{G2} \times f_1 \times f_2 \times f_3 \times f_4$ <p>3.3 如满足以下条件, 则齿轮箱带冷却盘管可满足要求: 3.3 Adequate for gear unit with fitted cooling coil, if:</p> $P_s \leq P_{G3} \times f_1 \times f_2 \times f_3 \times f_4$ <p>3.3 如满足以下条件, 则齿轮箱带冷却盘管和风扇可满足要求: 3.3 Adequate for gear unit with cooling coil and fan, if:</p> $P_s \leq P_{G4} \times f_1 \times f_2 \times f_3 \times f_4$ <p>3.5 如需要较高的热容量, 则可按用户要求提供外部润滑油冷却装置进行冷却。 3.5 For higher thermal capacities, cooling by external oil, cooler on request</p>				

E_D	= 每小时工作周期, 以百分比表示, 如 $E_D=80\%$ / h Operating cycle per hour in %, e.g. $E_D=80\%$ / h
f_1	= 工作机系数 (表1), 257页 Factor for driven machine (table 1), pages 257
f_2	= 原动机系数 (表2), 258页 Factor for prime mover (table 2), page 258
f_3	= 峰值扭矩系数 (表3), 258页 Peak torque factor (table 3), page 258
f_4, f_5	= 环境温度系数 (表4+表5), 258页 Thermal factors (tables 4 + 5), page 258
f_6, f_7	= 海拔高度系数 (表6+表7), 16页 Factors for altitude (tables 6 + 7), page 258
f_8	= 立式安装齿轮箱供油系数 (表8), 259页 对于卧式安装齿轮箱: $f_8=1$ Oil supply factor for vertical gear units (Table 8), page 259 For horizontal gear units: $f_8=1$
f_9, f_{10}	= 热容量系数 (表9-14), 259-260页 Thermal capacity factors (tables 9... 14), page 259-260
a_1	= 规格系数 Size factor
a_2	= 传动比系数 Transmission ratio factor
i	= 实际传动比 Actual ratio
i_N	= 额定传动比 Nominal ratio
i_s	= 要求传动比 Required ratio
n_1	= 输入转速 (r/min) Input speed (r/min)
n_2	= 输出转速 (r/min) Output speed (r/min)
P_G	= 要求的热容量 Required thermal capacity
P_{G1}	= 齿轮箱的热容量, 不带辅助冷却装置, 262-270页 Thermal capacity for gear units without auxiliary cooling, pages 262-270
P_{G2}	= 齿轮箱的热容量, 带冷却风扇, 262-270页 Thermal capacity for gear units with fan cooling, pages 262-270
P_{G3}	= 齿轮箱的热容量, 带内置冷却盘管, 262-270页 Thermal capacity for gear units with built-in cooling coil, pages 262-270
P_{G4}	= 齿轮箱的热容量, 带内置冷却盘管和风扇, 262-270页 Thermal capacity for gear units with built-in cooling coil and fan, pages 262-270
P_N	= 齿轮箱的额定功率(kW), 见选型表, 261-269页 Nominal power rating of gear units(kW), see tables, pages 261-269
P_2	= 工作机的额定功率(kW) Power rating of driven machine (kW)
t	= 环境温度(°C) Ambient temperature (°C)
T_A	= 输入轴最大扭矩, 如峰值工作扭矩、起动扭矩或制动扭矩(N.m) Max. torque occurring on input shaft, e.g. peak operating-, starting- or braking torque (N.m)
T_{2N}	= 额定输出扭矩 (kN.m), 271-272页 Nominal output torque (kN.m), pages 271-272
S_A	= 减速机安全系数 (表15) 258页 Safety coefficient of speed reductor (table 15) Page 258

齿轮箱 Gear Units
选型示例 Selection Example

已知参数:

原动机
电机功率: $P_1=75\text{kW}$
电机转速: $n_1=1500\text{rpm}$
最大启动扭矩: $T_s=720\text{N.m}$

工作机

皮带输送机功率: $P_2=66\text{kW}$
转速: $n_2=26\text{rpm}$
工作制: 12小时/天
每小时启动次数: 7
每小时工作周期: $E_c=100\%$
环境温度: 30°C
室外安装(风速): ($w \geq 4\text{m/s}$)
海拔高度: 海平面
重要性与安全要求: 一般

齿轮箱设计

垂直轴齿轮箱
安装方式: 卧式安装
输出轴 d_2 : 位于齿轮箱右侧(面对输入轴), 布置型式C
输出轴 d_2 的转动方向: ccw

KNOWN CRITERIA:

PRIME MOVER
Electric motor: $P_1=75\text{kW}$
Motor speed: $n_1=1500\text{rpm}$
Max. starting torque: $T_s=720\text{N.m}$

DRIVEN MACHINE

Belt conveyor: $P_2=66\text{kW}$
Speed: $n_2=26\text{rpm}$
Duty: 12 h/day
Starts per hour: 7
Operating cycle per hour: $E_c=100\%$
Ambient temperature: 30°C
Outdoor installation: ($w \geq 4\text{m/s}$)
Altitude: sea level
Reliability: normal

GEAR UNIT DESIGN

Bevel-helical reducers
Mounting position: horizontal
Output shaft d_2 : on right hand side design C
Direction of rotation of output shaft d_2 : ccw

要求: 齿轮箱的类型及规格 Required: Type and size of gear units

1. 选择齿轮箱的类型及规格: Selection of gear unit type and size

1.1 传动比计算: Calculation of transmission ratio

$$i_1 = \frac{n_1}{n_2} = \frac{1500}{26} = 57.7 \quad i_{11} = 56$$

1.2 确定额定功率 Determination of the gear unit nominal power rating

$$P_{11} \geq P_1 \times f_1 \times f_2 \times f_3 \times f_4 = 66 \times 1.3 \times 1 \times 1.4 = 120\text{kW}$$

从额定功率表中选择: 类型B3, 规格10, 对应的 $P_{11}=122\text{kW}$

Selected from power rating table: type B3, gear unit size 10, with $P_{11}=122\text{kW}$

$$3.33 \times P_1 \geq P_{11} \quad 3.33 \times 66 = 219.8\text{kW} > P_{11}$$

1.3 检查启动扭矩 Checking the starting torque

$$P_s \geq \frac{T_s \times n_1}{9550} \times f_s = \frac{720 \times 1500}{9550} \times 0.65 = 73.5\text{kW} \quad P_{11} = 122\text{kW} > 73.5\text{kW}$$

2. 确定热容量 Determination of thermal capacity

根据表中给出的B3型齿轮箱参数, 计算不带辅助冷却装置的齿轮箱热容量

Thermal capacity for gear units without auxiliary cooling, acc. to table for type B3

$$P_0 = P_{11} \times f_5 \times f_6 \times f_7 \times f_8 \quad P_0 = 78.9\text{kW} \times 0.88 \times 1 \times 1 \times (1.23 - 2.80 \times 0.095 \times 0.15) \quad P_0 = 82.6\text{kW}$$
$$P_0 = 66\text{kW} < P_0 = 82.6\text{kW}$$

结论: 齿轮箱不带辅助冷却装置, 可满足要求!

Conclusion: A gear units without auxiliary cooling is sufficient!

齿轮箱 Gear Units
服务系数 Service Factor

表1 Table 1		工作机工况系数 f_1 Working machine working condition coefficient f_1								
工作机 Working Machine		工作机最低工况系数 f_1 Minimum working machine working condition coefficient f_1			工作机 Working Machine		工作机最低工况系数 f_1 Minimum working machine working condition coefficient f_1			
		$\leq 0.5h$	0.5-10h	$> 10h$			$\leq 0.5h$	0.5-10h	$> 10h$	
污水处理 Sewage treatment	浓缩器(中心传动) Concentrator(central transmission)	—	—	1.3	起重机械 Hoisting machinery	回转机构 Rotary mechanism	1	1.4	1.4	
	压滤机 Filter press	1	1.3	1.5		提升机构 Elevation mechanism	1	1.3	1.4	
	絮凝器 Flocculator	0.8	1	1.3		行走机构 Walking mechanism	1.1	1.6	2	
	曝气机 Aerator	—	1.8	2		提升机构 Hoisting mechanism	1	1.4	1.8	
	捞渣设备 Raking device	1	1.2	1.3		静压式起重机 Static sum crane	1	1.2	1.6	
	刮泥、刮渣刮板捞渣机 Vertical and rotary combination raking device	1	1.3	1.5	化学 工业 Chemical industry	挤压机 Extrusion press	—	—	1.6	
	浆液浓缩器 Pulp-concentrator	—	1.3	1.3		混料机 Size mixer	—	1.8	2	
	螺旋泵 Screw pump	—	1.3	1.5		橡胶研光机 Rubber colorizer	—	1.5	1.75	
	水轮机 Hydraulic turbine	—	—	2		冷却器 cooling calorizer	—	1.3	1.6	
	离心机 Centrifugal pump	1	1.2	1.3		搅拌机, 用于均匀介质 Mixer, for homogeneous medium	1	1.2	1.6	
1个活塞容积式泵 1 piston volume test pump	1.3	1.4	1.8	搅拌机, 用于非均匀介质 Mixer, For inhomogeneous medium		1.4	1.6	1.8		
>1 个活塞容积式泵 >1 piston volume test pump	1.2	1.4	1.5	搅拌机, 用于密度均匀介质 Blender, for homogeneous density		1	1.3	1.6		
拉拔机 Wire drawing machine	1.25	1.5	1.75	搅拌机, 用于密度不均匀介质 Blender, for inhomogeneous density medium		1.2	1.5	1.75		
轧钢机 Rolling machine	1	1.25	1.5	烘炉 Baking oven		1	1.3	1.3		
钢铁工业 Steel industry	集中驱动轧机(无反转) Centralized driving roll (without reverse rotation)	1.25	1.5	1.75		冷却塔 Cooling tower	离心机 Centrifugal machine	1	1.25	2
	单独驱动轧机(无反转) Individual driving roll (without reverse rotation)	1.6	1.75	2	冷却塔风机 Cooling tower fan		—	—	2	
	集中驱动轧机(有反转) Centralized driving roll (with reverse rotation)	1.6	1.75	2	蔗糖生产 Sugarcane production	风机(轴流和离心式) Fan (axial flow and centrifugal type)	—	1.4	1.6	
	单独驱动轧机(有反转) Individual driving roll (with reverse rotation)	1.6	1.8	2		甘蔗切碎机 Sugarcane chopper	—	—	1.7	
纺织工业 Textile industry	可逆式中厚板轧机 Reversible middle thickness plate-rolling machine	—	1.8	2	制糖工业生产 Beet sugar production	甘蔗制糖机 Sugarcane mill	—	—	1.7	
	粗纱机 Winding machine	1.25	1.5	1.75		甜菜切碎机 Beet mince	—	—	1.7	
	捻花机 Spinning machine	1	1.25	1.5		榨汁机, 机械制冰机, 煮糖机 Squeezer, mechanical refrigerator, cooking machine	—	—	1.3	
输送机械 Conveying machinery	洗花机 Washing machine	1	1.25	1.5		制糖工业生产 Beet sugar production	甜菜清洗机 Beet cleaner	—	—	1.4
	斗式输送机 Bucket conveyor	—	1.2	1.5	甜菜切碎机 Beet choppe		—	—	1.6	
	绞车 Winding engine	1.4	1.6	1.8	索道缆车 Ropeway Cable car		压索索道 Cargo ropeway	—	1.3	1.4
	卷扬机 Winding machine	—	1.5	1.8			索道系统空中索道 Ropeway system aerial ropeway	—	1.6	1.8
	货用电梯 Goods lift	—	1.2	1.5		T型杆升降机 T-shaped rod lifter	—	1.3	1.4	
	客用电梯 Passenger lift	—	1.5	1.8		连续索道 Continuous ropeway	—	1.4	1.6	
	刮板输送机 Scraper conveyor	—	1.2	1.5		混凝土搅拌机 Concrete blender	—	1.5	1.6	
	自动扶梯 Escalator	—	1.2	1.4		碾磨机 Cracking machine	—	1.2	1.4	
	造纸机械 Papermaking machinery	铁道行走机构 Rail walking mechanism	—	1.5	—	水泥工业 Cement industry	回转窑 Rotary kiln	—	—	2
		各种类型 Various types	—	1.8	2		管式磨粉机 Pipe type grinding machine	—	—	2
碎浆机驱动装置 Drive device of pulp shredder		2	2	2	选粉机 Powder choosing machine		—	1.6	1.6	
往复压缩机 Reciprocating compressor		—	1.8	1.9		压片机 Roller press	—	—	2	

齿轮箱 Gear Units

服务系数 Service Factor

表2 Table 2	原动机系数 Factor for prime mover	f_1
电机, 液压马达, 汽轮机 Electric motors, hydraulic motors turbines		1.0
4-6缸, 活塞发动机周期变化 1:100至1:200 Piston engines 4-6 cylinders cyclic variation 1:100 to 1:200		1.25
1-3缸, 活塞发动机周期变化 最高达1:100 Piston engines 1-3 cylinders cyclic variation up to 1:100		1.5

表3 Table 3	峰值扭矩系数 Peak torque factor				f_2
	每小时峰值负荷次数 load peaks per hour				
	1-5	6-30	31-100	>100	
f3 单向载荷 steady direction of load	0.5	0.65	0.7	0.85	
f3 交变载荷 Alternating direction of load	0.7	0.95	1.1	1.25	

表4 Table 4	环境温度系数 Thermal factor					f_3
不需辅助冷却装置或仅带冷却风扇 Without auxiliary cooling or with fan cooling						
环境温度 Ambient temperature	每小时工作周期(ED)百分比% Operating cycle per hour (ED) in %					
	100	80	60	40	20	
10℃	1.14	1.2	1.32	1.54	2.04	
20℃	1.00	1.06	1.16	1.35	1.79	
30℃	0.87	0.93	1.00	1.18	1.56	
40℃	0.71	0.75	0.82	0.96	1.27	
50℃	0.55	0.58	0.64	0.74	0.98	

表5 Table 5	环境温度系数 Thermal factor					t
带冷却盘管或带冷却盘管和风扇 For cooling with cooling coil, or with fan and cooling coil						
环境温度 Ambient temperature	每小时工作周期(ED)百分比% Operating cycle per hour (ED) in %					
	100	80	60	40	20	
10℃	1.04	1.10	1.21	1.40	1.86	
20℃	1.00	1.06	1.16	1.35	1.79	
30℃	0.93	0.99	1.08	1.26	1.56	
40℃	0.88	0.93	1.02	1.19	1.58	
50℃	0.81	0.86	0.94	1.09	1.45	

表6 Table 6	海拔高度系数 Factor for altitude					f_5
不需辅助冷却装置或仅带冷却风扇 Without auxiliary cooling or with fan cooling						
系数 Factor	海拔高度 (m, 高于海平面) Altitude (metres above MSL)					
	高达 Up to	高达 Up to	高达 Up to	高达 Up to	高达 Up to	
	1000	2000	3000	4000	5000	
f_5	1.0	0.95	0.9	0.85	0.8	

表7 Table 7	海拔高度系数 Factor for altitude					f_6
带冷却盘管或带冷却盘管和风扇 For cooling with cooling coil, or with fan and cooling coil						
系数 Factor	海拔高度 (m, 高于海平面) Altitude (metres above MSL)					
	高达 Up to	高达 Up to	高达 Up to	高达 Up to	高达 Up to	
	1000	2000	3000	4000	5000	
f_6	1.0	0.98	0.96	0.94	0.92	

表15 Table 15		减速机安全系数 Factor safety		S _r
重要性与安全要求 Importance and safety requirements	一般设备, 减速机失效仅引起单机停产且更换备件 The failure of ordinary equipment and speed reducer can only result in production halts of single machine and replacement of spare parts.	一般设备, 减速机失效仅引起机组、生产线或全厂停产 The failure of ordinary equipment and speed reducer can only result in production halts or machines, production lines or the whole factory.	高度安全要求, 减速机失效引起设备、人身事故 Higher safety requirements, the failure of speed reducer can cause the incident of equipment and human body.	
	S _r	1.1~1.3	1.3~1.5	1.5~1.7

齿轮箱 Gear Units

服务系数 Service Factor

表8 Table 8										A
立式安装齿轮箱供油系数, 对于卧式安装齿轮箱 $f_7=1.0$; 当采用强制润滑时, $f_7=1.05$ Oil supply factor for vertical gear units. For horizontal gear units $f_7=1.0$, and in case of forced lubrication $f_7=1.05$										
齿轮箱类型 Gear unit type	供油方式 Oil supply	规格1...12 Sizes 1...12				规格13...18 Sizes 13...18				
		不带辅助 冷却装置 Without auxiliary cooling	带冷却风扇 With Fan	带冷却盘管 With Cooling coil	带风扇和 冷却盘管 With fan and cooling coil	不带辅助 冷却装置 Without auxiliary cooling	带冷却风扇 With Fan	带冷却盘管 With Cooling coil	带风扇和 冷却盘管 With fan and cooling coil	
H2.V H3.V H4.V	浸油润滑 Dip lubrication	0.95	*	0.95	*	*	*	*	*	
	强制润滑 Forced lubrication	1.15	*	1.05	*	1.15	*	1.05	*	
B2.V B3.V B4.V	浸油润滑 Dip lubrication	0.95	0.95	0.95	0.95	*	*	*	*	
	强制润滑 Forced lubrication	1.15	1.10	1.10	1.10	1.15	1.10	1.10	1.10	

表9 Table 9		不带辅助冷却装置齿轮箱的热容量系数 Thermal capacity factor for gear units without auxiliary cooling				f_8			
齿轮箱 类型 Gear unit type	n r/min	安装位置 Place of installation							
		狭小空间安装, 风速 >0.5m/s Small confined spaces wind velocity >0.5m/s	室内大厅、大车间 安装, 风速>1.4m/s Large halls workshops Wind velocity >1.4m/s	室外安装 风速>4.0m/s In the open Wind velocity >4.0m/s					
H1	750	0.88-0.26Xa1Xa2	0.79-0.27Xa1Xa2	1.00	H4	750	0.78	0.83	1.00
	1000	0.70-0.79Xa1Xa2	0.84-0.85Xa1Xa2	1.14-0.81Xa1Xa2		1000	0.85	0.91-1.60Xa1Xa2	1.10-2.40Xa1Xa2
	1500	0.72-2.50Xa1Xa2	0.89-2.80Xa1Xa2	1.25-2.80Xa1Xa2		1500	0.97-10.0Xa1Xa2	1.03-12.5Xa1Xa2	1.27-14.0Xa1Xa2
	1800	0.71-3.60Xa1Xa2	0.92-4.40Xa1Xa2	1.30-4.20Xa1Xa2		1800	1.02-18.4Xa1Xa2	1.09-21.2Xa1Xa2	1.34-23.0Xa1Xa2
H2	750	0.76-0.08Xa1Xa2	0.79-0.21Xa1Xa2	1.00	B2	750	0.69-0.09Xa1Xa2	0.77-0.14Xa1Xa2	1.00
	1000	0.76-1.00Xa1Xa2	0.87-1.40Xa1Xa2	1.12-1.00Xa1Xa2		1000	0.69-0.70Xa1Xa2	0.81-0.77Xa1Xa2	1.08-0.64Xa1Xa2
	1500	0.82-4.10Xa1Xa2	0.96-4.80Xa1Xa2	1.25-4.20Xa1Xa2		1500	0.74-3.20Xa1Xa2	0.88-3.30Xa1Xa2	1.20-2.90Xa1Xa2
	1800	0.85-6.80Xa1Xa2	0.98-7.10Xa1Xa2	1.31-6.80Xa1Xa2		1800	0.75-5.80Xa1Xa2	0.90-5.50Xa1Xa2	1.25-4.90Xa1Xa2
H3	750	0.76	0.81-0.06Xa1Xa2	1.00	B3	750	0.73	0.80-0.05Xa1Xa2	1.00
	1000	0.83-1.20Xa1Xa2	0.90-1.38Xa1Xa2	1.11-1.30Xa1Xa2		1000	0.79-0.83Xa1Xa2	0.87-0.81Xa1Xa2	1.10-0.73Xa1Xa2
	1500	0.92-4.70Xa1Xa2	1.00-4.80Xa1Xa2	1.27-5.10Xa1Xa2		1500	0.86-2.40Xa1Xa2	0.95-2.60Xa1Xa2	1.23-2.80Xa1Xa2
	1800	0.96-7.50Xa1Xa2	1.05-7.80Xa1Xa2	1.32-7.40Xa1Xa2		1800	0.86-4.00Xa1Xa2	0.99-4.30Xa1Xa2	1.28-4.30Xa1Xa2
H3	750	0.76	0.81-0.06Xa1Xa2	1.00	B4	750	0.77	0.82	1.00
	1000	0.83-1.20Xa1Xa2	0.90-1.38Xa1Xa2	1.11-1.30Xa1Xa2		1000	0.83	0.88	1.09-0.29Xa1Xa2
	1500	0.92-4.70Xa1Xa2	1.00-4.80Xa1Xa2	1.27-5.10Xa1Xa2		1500	0.92-1.70Xa1Xa2	0.99-2.20Xa1Xa2	1.24-2.60Xa1Xa2
	1800	0.96-7.50Xa1Xa2	1.05-7.80Xa1Xa2	1.32-7.40Xa1Xa2		1800	0.95-3.90Xa1Xa2	1.04-4.40Xa1Xa2	1.30-4.80Xa1Xa2

表10 Table 10		带冷却风盘齿轮箱的装置热容量系数 Thermal capacity factor for gear units with fan				f_9
齿轮箱 类型 Gear unit type	n r/min	安装位置 Place of installation				
		狭小空间安装, 风速 >0.5m/s Small confined spaces wind velocity >0.5m/s	室内大厅, 大车间 安装, 风速>1.4m/s Large halls workshops Wind velocity >1.4m/s	室外安装 风速>4.0m/s In the open Wind velocity >4.0m/s		
H1	750	0.97-0.05Xa1Xa2	0.97-0.04Xa1Xa2	1.00	H4	750 0.89-0.29Xa1Xa2 0.91-0.25Xa1Xa2 1.00
	1000	1.15-0.33Xa1Xa2	1.20-0.33Xa1Xa2	1.23-0.32Xa1Xa2		1000 1.06-1.30Xa1Xa2 1.08-1.20Xa1Xa2 1.17-0.93Xa1Xa2
	1500	1.53-1.00Xa1Xa2	1.53-0.95Xa1Xa2	1.56-0.94Xa1Xa2		1500 1.38-4.20Xa1Xa2 1.40-4.10Xa1Xa2 1.48-3.70Xa1Xa2
	1800	1.69-1.50Xa1Xa2	1.70-1.50Xa1Xa2	1.73-1.50Xa1Xa2		1800 1.54-6.40Xa1Xa2 1.56-6.40Xa1Xa2 1.64-5.80Xa1Xa2
H2	750	0.95-0.07Xa1Xa2	0.96-0.08Xa1Xa2	1.00	B2	750 0.95 0.96 1.00
	1000	1.16-0.65Xa1Xa2	1.17-0.63Xa1Xa2	1.21-0.65Xa1Xa2		1000 1.13-0.15Xa1Xa2 1.14-0.16Xa1Xa2 1.19-0.16Xa1Xa2
	1500	1.54-2.40Xa1Xa2	1.55-2.40Xa1Xa2	1.58-2.20Xa1Xa2		1500 1.47-0.92Xa1Xa2 1.48-0.92Xa1Xa2 1.52-0.95Xa1Xa2
	1800	1.74-3.80Xa1Xa2	1.75-3.80Xa1Xa2	1.78-3.60Xa1Xa2		1800 1.85-1.70Xa1Xa2 1.86-1.70Xa1Xa2 1.89-1.70Xa1Xa2
H3	750	0.95-0.07Xa1Xa2	0.96-0.08Xa1Xa2	1.00	B3	750 0.94 0.96 1.00
	1000	1.16-0.65Xa1Xa2	1.17-0.63Xa1Xa2	1.21-0.65Xa1Xa2		1000 1.13-0.17Xa1Xa2 1.14-0.18Xa1Xa2 1.18-0.25Xa1Xa2
	1500	1.54-2.40Xa1Xa2	1.55-2.40Xa1Xa2	1.58-2.20Xa1Xa2		1500 1.48-1.40Xa1Xa2 1.49-1.40Xa1Xa2 1.52-1.40Xa1Xa2
	1800	1.74-3.80Xa1Xa2	1.75-3.80Xa1Xa2	1.78-3.60Xa1Xa2		1800 1.66-2.50Xa1Xa2 1.67-2.50Xa1Xa2 1.74-2.50Xa1Xa2

表11 Table 11		带冷却盘管齿轮箱的热容量系数 Thermal capacity factor for gear unit with cooling coil					表11 Table 11			
齿轮箱 类型 Gear unit type	n r/min	安装位置 Place of installation			H1	H2	H3	H4		
		狭小空间安装, 风速 风速>0.5m/s Small confined spaces wind velocity>0.5m/s	室内大厅, 大车间 安装, 风速>1.4m/s Large halls workshops/Wind velocity>1.4m/s	室外安装 风速>4.0m/s In the open Wind velocity >4.0m/s						
H1	750	0.87	0.91	1.00	B2	750	0.85	0.81	1.00	
	1000	0.97-0.02Xa1Xa2	1.03-0.05Xa1Xa2	1.16-0.10Xa1Xa2			1.00	1.04	1.07	1.18-0.38Xa1Xa2
	1500	1.15-0.19Xa1Xa2	1.22-0.23Xa1Xa2	1.39-0.33Xa1Xa2			1.30-0.78Xa1Xa2	1.34-1.10Xa1Xa2	1.47-1.60Xa1Xa2	
	1800	1.25-0.42Xa1Xa2	1.32-0.47Xa1Xa2	1.50-0.57Xa1Xa2			1.44-1.70Xa1Xa2	1.48-2.00Xa1Xa2	1.62-2.60Xa1Xa2	
H2	750	0.88	0.91	1.00	B3	750	0.86	0.80	1.00	
	1000	1.01	1.06-0.08Xa1Xa2	1.17-0.24Xa1Xa2			1.00	1.02	1.15-0.09Xa1Xa2	
	1500	1.27-0.79Xa1Xa2	1.35-0.88Xa1Xa2	1.47-1.10Xa1Xa2			1.14	1.19-0.09Xa1Xa2	1.38-0.37Xa1Xa2	
	1800	1.40-1.40Xa1Xa2	1.46-1.50Xa1Xa2	1.61-1.70Xa1Xa2			1.21-0.13Xa1Xa2	1.29-0.29Xa1Xa2	1.49-0.64Xa1Xa2	
H3	750	0.88	0.91	1.00	B4	750	0.86	0.80	1.00	
	1000	1.01	1.06-0.08Xa1Xa2	1.17-0.24Xa1Xa2			1.00	1.02	1.15-0.09Xa1Xa2	
	1500	1.27-0.79Xa1Xa2	1.35-0.88Xa1Xa2	1.47-1.10Xa1Xa2			1.14	1.19-0.09Xa1Xa2	1.38-0.37Xa1Xa2	
	1800	1.40-1.40Xa1Xa2	1.46-1.50Xa1Xa2	1.61-1.70Xa1Xa2			1.21-0.13Xa1Xa2	1.29-0.29Xa1Xa2	1.49-0.64Xa1Xa2	

对于系数 f_1, f_2 和 $f_3, f_4 < 0.5$, 请与我们联系: For factors f_1, f_2 and $f_3, f_4 < 0.5$, please refer to us!

(*根据客户要求*) On request

齿轮箱 Gear Units 服务系数 Service Factor

表12
Table 12

带冷却风扇和冷却液泵的齿轮箱的热容量系数
thermal capacity factor for gear units with fan and cooling oil

齿轮箱 类型 Gear unit type	n r/min	安装地点 Place of installation			H3	750	0.94	0.95	1.00
		狭小空间的安装环境 风速 $\geq 0.5\text{m/s}$ Small confined spaces wind velocity $\geq 0.5\text{m/s}$	室内大厅，大型厂房 安装风速 $\geq 1.4\text{m/s}$ Large halls workshops wind velocity $\geq 1.4\text{m/s}$	室外安装 风速 $\geq 4.0\text{m/s}$ In the open Wind velocity $\geq 4.0\text{m/s}$		750	0.94	0.95	1.00
H1	750	0.88	0.90	1.00	B2	1000	1.14-0.48Xa1Xa2	1.15-0.47Xa1Xa2	1.20-0.48Xa1Xa2
	1000	1.19-0.09Xa1Xa2	1.20-0.09Xa1Xa2	1.22-0.09Xa1Xa2		1500	1.51-2.10Xa1Xa2	1.52-2.00Xa1Xa2	1.57-2.60Xa1Xa2
	1500	1.58-0.31Xa1Xa2	1.58-0.30Xa1Xa2	1.57-0.29Xa1Xa2		1800	1.71-3.30Xa1Xa2	1.72-3.30Xa1Xa2	1.77-3.20Xa1Xa2
	1800	1.75-0.52Xa1Xa2	1.75-0.52Xa1Xa2	1.77-0.52Xa1Xa2		750	0.97	0.98	1.00
H2	750	0.97	0.98	1.00	B3	1000	1.17-0.08Xa1Xa2	1.18-0.10Xa1Xa2	1.21-0.18Xa1Xa2
	1000	1.19-0.25Xa1Xa2	1.20-0.25Xa1Xa2	1.22-0.25Xa1Xa2		1500	1.56-0.84Xa1Xa2	1.57-0.85Xa1Xa2	1.60-0.92Xa1Xa2
	1500	1.58-1.06Xa1Xa2	1.58-1.06Xa1Xa2	1.61-1.06Xa1Xa2		1800	1.78-1.50Xa1Xa2	1.78-1.50Xa1Xa2	1.80-1.50Xa1Xa2
	1800	1.82-1.80Xa1Xa2	1.82-1.80Xa1Xa2	1.84-1.80Xa1Xa2					

对于系数 $f_1 < 0.5$ ，请与我们联系！For factors $f_1 < 0.5$, please refer to us!

表13
Table 13

尺寸系数 Size factor a1

Size	3	4	5	6	7	8	9	10	11	12	13	14
a1	0.024	0.030	0.050	0.055	0.065	0.075	0.085	0.095	0.135	0.160	0.190	0.200
Size	15	16	17	18	19	20	21	22	23	24	25	26
a1	0.027	0.250	0.320	0.345	0.370	0.390	0.530	0.610				

) 对于这些尺寸，请与我们联系！) for these sizes, please refer to us!

表14
Table 14

传动比系数 Transmission ratio factor a2

i	H1SH	i	H2SH	i	H3SH	i	H4SH	i	B2SH	i	B3SH	i	B4SH
1.25	13.000	6.3	1.800	22.4	0.320	100	0.020	5	3.500	12.5	0.950	80	0.110
1.4	12.000	7.1	1.600	25	0.310	112	0.015	5.6	2.800	14	0.850	90	0.100
1.6	10.000	8	1.400	28	0.270	125	0.012	6.3	2.400	16	0.800	100	0.090
1.8	8.500	9	1.100	31.5	0.230	140	0.009	7.1	1.900	18	0.750	112	0.080
2	8.000	10	0.890	35.5	0.190	160	0.007	8	1.600	20	0.700	125	0.070
2.24	7.000	11.2	0.740	40	0.170	180	0.004	9	1.350	22.4	0.650	140	0.060
2.5	6.500	12.5	0.630	45	0.160	200	0.002	10	1.200	25	0.550	160	0.050
2.8	6.000	14	0.530	50	0.110	224	0.006	11.2	1.100	28	0.450	180	0.040
3.15	3.500	16	0.450	56	0.080	250	0.006	12.5	0.950	31.5	0.380	200	0.030
3.55	3.300	18	0.370	63	0.050	280	0.006	14	0.850	35.5	0.330	224	0.020
4	2.900	20	0.330	71	0.045	315	0.006	16	0.800	40	0.300	250	0.010
4.5	2.100	22.4	0.320	80	0.040	355	0.006	18	0.750	45	0.270	280	0.006
5	1.600	25	0.310	90	0.035	400	0.006			50	0.200	315	0.006
5.6	1.600	28	0.270	100	0.020	450	0.006			56	0.150	355	0.006
				112	0.015					63	0.130	400	0.006
										71	0.120		
										80	0.110		
										90	0.100		

平行轴齿轮箱 Helical Gear Units 类型H1 Type H1

额定功率 Nominal Power Ratings 规格1...19 Sizes 1...19

额定功率 Nom. Power Ratings																								
IN	n1	n2	机座号 Sizes																					
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
			额定功率 PN, kw										Nom. Power Ratings PN, kw											
		(rpm)																						
1.25	1800	1440	119		392		1056		2005		3242													
	1500	1200	99		327		880		1671		2702													
	1200	960	79		262		704		1337		2162													
	1000	800	66		218		587		1114		1801													
1.4	1800	1280	112		364		968		1871		3001													
	1500	1071	93		303		807		1559		2501													
	1200	857	74		242		646		1247		2001													
	1000	714	62		202		538		1039		1667													
1.6	1800	1125	102		318		884		1674		2782		4715											
	1500	938	85		265		737		1385		2318		3928											
	1200	750	68		213		590		1118		1854		3143		4948									
	1000	625	57		177		491		930		1545		2515		4125									
1.8	1800	1000	95		261		805		1591		2554		4333											
	1500	833	79		209		672		1326		2128		3611											
	1200	697	63		167		538		1061		1702		2988		4632									
	1000	556	53		139		448		884		1419		2407		3880									
2	1800	900	88		235		773		1460		2356		4024											
	1500	750	73		196		644		1217		1963		3363											
	1200	600	58		157		515		974		1570		2682		4285									
	1000	500	49		131		429		811		1308		2235		3621									
2.24	1800	804	80		210		707		1304		2105		3704											
	1500	670	67		175		589		1087		1754		3087											
	1200	536	54		140		471		870		1403		2470		3940									
	1000	446	45		117		393		725		1199		2058		3283									
2.5	1800	720	76		196		634		1109		1885		3317											
	1500	600	63		163		528		974		1571		2784											
	1200	480	50		130		422		779		1257		2211		3619		5528							
	1000	400	42		108		352		649		1047		1843		3018		4607							
2.8	1800	643	67		182		585		1003		1596		2864											
	1500	536	55		152		471		836		1330		2470											
	1200	429	45		122		377		669		1064		1976		3230		5068							
	1000	357	37		101		314		557		887		1647		2582		4224							
3.15	1800	571	60		162		503		910		1465		2506		4091									
	1500	476	50		135		419		758		1221		2088		3409									
	1200	381	40		108		335		606		977		1670		2727		4626							
	1000	317	33		90		279		505		814		1392		2273		3850							
3.55	1800	507	53		148		442		824		1324		2323		3700									
	1500	423	44		124		368		667		1103		1936		3083									
	1200	338	35		99		294		550		882		1549		2488		4181							
	1000	282	29		83		245		458		735		1291		2055		3484							
4	1800	450	47		132		396		731		1178		2074		3336									
	1500	375	39		110		330		609		982		1728		2780									
	1200	300	31		88		264		487		788		1382		2224		3833		5436					
	1000	250	26		73		220		406		655		1152		1853		3104		4529					
4.5	1800	400	35		92		281		577		895		1674		2410		38							
	1500	333	29		77		234		481		746		1395		2008		82							
	1200	267	23		62		187		365		597		1116		1606		56		4073					
	1000	222	19		51		156		321		497		930		1339		56		3394					
5	1800	360	30		79		238		452		773		1271		2054		95							
	1500	300	25		66		196		377		644		1059		1712		79							
	1200	240	20		53		158		302		515		847		1370		63		3116		4373			
	1000	200	17		44		132		251		429		706		1141		53		2597		3644			
5.6	1800	321	20		67		202		384		589		1070		1745		86							
	1500	268	17		56		168		320		491		892		1454		72							
	1200	214	14		45		134		256		383		714		1163		58		2654		3374			
	1000	179	11		37		112		213		327		595		969		48		2212		2812			

平行轴齿轮箱 Helical Gear Units

类型H1 Type H1

热容量 Thermal Capacities

规格1...19 Sizes 1...19

热容量 PG, kw Thermal Capacities PG, kw																							
IN		机座号 Size																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		热容量PG(单位kw)取决于冷却方式: PG1:无辅助冷却装置; PG2:用冷却风扇; PG3:带冷却盘管; PG4:带风扇和冷却盘管 Thermal Capacity PG (in kw) depends on kind of cooling: PG1: without auxiliary cooling; PG2: fan cooling; PG3: cooling coil; PG4: fan and cooling coil																					
1.25	PG1	70		105		188		322		497													
	PG2			146		360		580		875													
	PG3	109		283		659		1097		1841													
	PG4			313		789		1333		2210													
1.4	PG1	68		105		192		319		504													
	PG2			144		358		579		870													
	PG3	105		272		645		1075		1791													
	PG4			303		767		1294		2136													
1.6	PG1	66		104		186		316		507		516		747									
	PG2			140		347		565		853		1134		1394									
	PG3	100		257		606		981		1694		2616		2900									
	PG4			286		723		1194		2021		3283		3900									
1.8	PG1	66		107		186		313		502		511		740									
	PG2			161		336		561		834		1119		1441									
	PG3	94		275		574		960		1585		2494		2850									
	PG4			303		677		1178		1919		3135		3808									
2	PG1	65		104		178		310		492		507		733		991							
	PG2			146		321		544		806		1204		1413		1788							
	PG3	89		258		533		929		1501		2358		2986		2950							
	PG4			287		638		1118		1890		2963		3747		4341							
2.24	PG1	57		96		172		307		473		502		725		950							
	PG2			139		304		505		767		1154		1385		1752							
	PG3	84		243		498		829		1404		2224		2570		2800							
	PG4			270		594		1009		1682		2771		3512		4245							
2.5	PG1	54		89		164		303		469		498		719		923							
	PG2			127		286		474		720		1088		1357		1788							
	PG3	76		219		462		766		1281		2040		2500		3000							
	PG4			243		548		931		1647		2562		3293		4196							
2.8	PG1	52		87		155		295		473		493		710		925		955					
	PG2			119		264		494		750		1015		1329		1699		1846					
	PG3	70		202		421		792		1329		1876		2397		3090		3200					
	PG4			223		500		961		1594		2336		2979		4151		4574					
3.15	PG1	50		85		150		269		379		495		707		888		919					
	PG2			111		253		432		606		1067		1301		1609		1718					
	PG3	65		184		356		734		1117		1899		2354		2750		2900					
	PG4			204		466		878		1329		2376		2932		3809		4268					
3.55	PG1	45		78		145		248		351		479		699		849		902					
	PG2			101		246		395		554		865		1273		1565		1649					
	PG3	59		165		376		650		986		1663		2110		2622		2700					
	PG4			183		443		787		1182		2077		2643		3431		4118					
4	PG1	41		73		132		233		300		452		668		797		866		1051			
	PG2			91		220		353		487		696		1227		1520		1639		1647			
	PG3	52		146		334		573		818		1485		1903		2301		2700					
	PG4			162		392		690		985		1655		2352		3043		3865					
4.5	PG1	41		77		139		225		321		388		630		816		916		1020			
	PG2			100		221		351		492		726		1115		1475		1675		1771			
	PG3	53		155		328		529		843		1264		1713		2248		2841					
	PG4			171		386		636		1011		1570		2134		2922		3580					
5	PG1	37		69		134		218		290		377		604		812		980		1146			
	PG2			90		209		314		438		697		1022		1431		1734		1894			
	PG3	47		136		308		494		743		1212		1609		2140		2845					
	PG4			152		361		595		892		1477		2005		2757		3645					
5.6	PG1	37		66		122		212		274		364		571		736		899		1149			
	PG2			89		184		280		411		656		929		1386		1541		1878			
	PG3	47		120		267		436		682		1116		1419		1875		2509					
	PG4			133		314		520		821		1377		1739		2397		3181					

平行轴齿轮箱 Helical Gear Units

类型H2..,H3.. Type H2.., H3..

额定功率 Nominal Power Ratings

规格3...22 Sizes 3...22

额定功率 Nom. Power Ratings																									
IN	n1	n2	机座号 Sizes																						
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
			rpm		额定功率 PN, kw Nom. Power Ratings PN, kw																				
3	1800	286		104	188	314		569		942		1660		2572		4227		5832							
	1500	238		87	157	252		474		765		1383		2143		3584		4880							
	1200	190		70	126	210		379		628		1106		1714		2851		3888		5834					
	1000	159		58	105	175		316		523		922		1429		2376		3240		4882					
7.1	1800	254		92	167	278		504		836		1471		2280		3781	4242	5170	6098						
	1500	211		77	139	232		420		696		1226		1900		3159	3535	4306	5082						
	1200	169		62	111	186		336		557		981		1580		2527	2828	3446	4065	5173	5995				
	1000	141		51	93	155		280		464		817		1267		2106	2367	2922	3388	4311	4946				
8	1800	225		83	149	248	319	449	566	244	394	1312	1630	2032	2527	3376	3780	4607	5434						
	1500	188		69	124	207	266	374	472	620	778	1093	1358	1693	2106	2815	3150	3899	4628						
	1200	150		55	99	166	213	299	378	496	622	874	1046	1354	1685	2252	2520	3071	3622	4566	5262	6439			
	1000	125		46	83	138	177	249	315	413	519	729	905	1129	1440	1877	2100	2509	3019	3622	4385	6398			
9	1800	200		73	132	221	283	368	504	661	829	1165	1448	1805	2245	3001	3358	4092	4826						
	1500	167		61	110	184	236	332	420	551	691	971	1207	1504	1871	2501	2798	3410	4028						
	1200	133		49	88	147	189	266	336	441	553	777	966	1203	1497	2001	2238	2728	3216	4073	4679	6718	838		
	1000	111		41	73	123	157	221	280	367	461	647	805	1003	1123	1501	1665	2273	2681	3394	3894	4700	652		
10	1800	180		66	119	198	254	358	452	594	744	1046	1301	1621	2017	2695	3016	3676	4336						
	1500	150		55	99	165	212	298	377	495	620	872	1084	1351	1681	2248	2513	3063	3613						
	1200	120		44	79	132	170	238	302	398	496	698	882	1081	1345	1797	2010	2450	2899	3670	4210	6153	875		
	1000	100		37	66	110	141	199	251	330	413	581	723	901	1121	1437	1675	2042	2409	3058	3508	4293	679		
11.2	1800	161		59	106	176	227	320	404	530	665	935	1162	1448	1801	2407	2694	3283	3872						
	1500	134		49	88	147	189	267	337	442	554	779	968	1207	1501	2006	2245	2736	3227						
	1200	107		39	70	118	151	214	270	354	443	623	774	966	1201	1605	1796	2189	2582	3285	3746	4585	612		
	1000	89		33	59	98	126	178	225	295	369	519	645	805	1001	1337	1497	1824	2151	2721	3122	3821	426		
12.5	1800	144		53	95	158	204	287	362	475	596	836	1040	1297	1614	2106	2412	2940	3468	4403					
	1500	120		44	79	132	170	239	302	398	496	697	887	1081	1345	1797	2010	2450	2899	3669					
	1200	96		35	63	106	136	191	242	317	397	558	694	865	1078	1438	1608	1960	2312	2935	3367	4122	460		
	1000	80		29	53	88	113	159	204	264	331	465	578	721	893	1198	1340	1633	1927	2448	2806	3435	383		
14	1800	129		47	85	142	181	256	323	424	532	746	928	1157	1439	1922	2152	2622	3092	3826	4504				
	1500	107		39	71	118	151	213	289	353	443	623	773	964	1199	1602	1793	2185	2677	3272	3753				
	1200	88		31	57	94	121	170	215	282	354	498	618	771	969	1282	1434	1748	2062	2618	3002	3688	408		
	1000	71		26	47	79	101	142	179	232	295	415	515	643	798	1068	1195	1457	1718	2181	2502	3048	340		
16	1800	113		41	74	124	160	224	283	372	467	655	815	1015	1264	1680	1890	2303	2717	3449	3956				
	1500	94		34	62	103	133	187	238	310	389	546	679	846	1053	1405	1575	1915	2264	2874	3297				
	1200	75		27	50	82	106	150	189	248	311	437	543	677	842	1126	1260	1535	1811	2299	2638	3246	362		
	1000	63		23	41	69	89	126	157	207	259	364	453	564	702	939	1050	1279	1509	1910	2198	2705	302		
18	1800	100		36	66	109	140	198	251	329	412	578	720	896	1116	1492	1669	2034	2399	3046	3494				
	1500	83		30	55	91	117	166	209	274	343	482	600	747	930	1243	1391	1695	1999	2538	2912				
	1200	67		24	44	73	94	132	167	219	274	386	480	598	744	994	1113	1366	1599	2030	2330	2886	322		
	1000	56		20	37	61	78	110	139	183	229	321	400	498	620	829	927	1130	1333	1692	1941	2404	268		
20	1800	90		32	59	98	127	179	226	296	372	523	650	816	1008	1348	1508	1837	2167	2752	3157				
	1500	75		27	49	82	106	149	188	247	310	436	542	675	840	1123	1257	1531	1806	2293	2631				
	1200	60		22	39	66	86	119	150	198	248	349	434	540	672	898	1006	1225	1445	1834	2105	2576	287		
	1000	50		18	33	58	71	99	125	165	207	291	381	450	580	749	838	1021	1204	1529	1754	2147	239		
22.4	1800	80		30	52	86	114	156	202	260	332	458	581	740	901	1286	1348	1684	1937	2526	2820	3536			
	1500	67		25	43	72	96	130	166	217	272	382	484	617	751	1023	1123	1403	1614	2105	2350	2947			
	1200	54		20	34	58	76	104	134	174	222	306	387	494	601	858	898	1122	1291	1684	1889	2358	259		
	1000	45		17	29	48	63	87	112	145	185	255	323	411	501	715	749	935	1076	1403	1587	1965	215		
25	1800	72				83	102	150	181	257	298	452	521	664	806	1153	1304	1508	1810	2262	1522	2167	354		
	1500	60				69	86	129	151	214	248	377	434	553	672	981	1087	1267	1508	1885	1268	2639	295		
	1200	48				55	68	103	121	171	198	302	347	442	538	769	870	1006	1206	1508	1610	2111	236		
	1000	40				46	57	86	101	143	165	251	289	369	448	641	725	838	1005	1257	845	1759	196		
28	1800	64				74	88	139	160	230	264	407	460	588	730	1036	1174	1357	1626	2035	2241	2850	319		
	1500	54				62	74	116	133	192	220	339	383	498	618	865	978	1131	1357	1686	1951	2375	265		
	1200	43				50	59	93	108	154	176	271	306	398	493	692	782	905	1066	1357	1561	1900	212		
	1000	36				41	49	77	89	128	147	226	255	332	411	577	652	754	905	1131	1380	1583	177		
31.5	1800	57				66	88	124	154	208	259	382	452	580	688	823	1044	1206	1447	1810	2081	2533	283		
	1500	48				56	73	103	128	171	216	302	372	442	548	769	870	1005	1206	1508	1734	2111	236		
	1200	38				44	58	82	102	137	173	242	302	354	438	616	696	804	995	1206	1387	1689	189		
	1000	32				37	48	69	85	114	144	201	251	295	368	513	580	676	804	1005	1356	1402	157		
35.5	1800	51				58	77	108	134	180	227	317	396	484	575	808	913	1058	1266	1583	1820	2216	248		
	1500	42				48	64	90	112	150	189	264	330	387	479	673	761	880	1065	1319	1517	1847	206		
	1200	34				38	51	72	90	120	151	211	264	310	383	538	609	704	844	1055	1214	1478	165		
	1000	28				32	43	60	75	100	126	178	220	258	310	449	507	587	703	870	1011	1231	139		

平行轴齿轮箱 Helical Gear Units
类型H2.., H3.. Types H2.., H3..

热容量 Thermal Capacities
规格3...22 Sizes 3...22

		热容量 PQ, kw Thermal Capacities PQ, kw																						
H		规格号 Sizes																						
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
		热容量 PQ (单位 kw) 取决于冷却方式: PG1: 无辅助冷却装置; PG2: 用冷却风扇; PG3: 带冷却盘管; PG4: 带风冷和冷却盘管 Thermal Capacity PQ (in kw) depends on kind of cooling: PG1: without auxiliary cooling; PG2: fan cooling; PG3: cooling coil; PG4: fan and cooling coil																						
6.3	PG1			53	75	88		143		182		244		406		532		572		650				
	PG2			94	131			214		295		417		734		993		1031		1071				
	PG3			85	119	193		312		476		847		1100		1703		1900						
	PG4			134	218			373		559		797		1385		2088		2430						
7.1	PG1			51	77	87		138		179		240		404		542	570	575	581	589	720	770		
	PG2			90	132			204		280		416		717		990	1023	1179	1026	1071	1209	1143		
	PG3			80	120	180		297		443		838		1044		1650	1722	2070	2200					
	PG4			136	218			348		524		771		1323		2008	2121	2525	2604					
8	PG1			40	73	86	93	135	165	174	180	235	281	398	437	548	579	575	639	738	745	844	862	
	PG2			91	128	139	196	229	275	300	403	482	689	767	956	1007	1125	1127	1171	1233	1332	1310		
	PG3			76	113	182	182	280	319	421	550	608	856	890	1110	1565	1661	1882	2000					
	PG4			120	200	219	301	380	497	604	733	997	1257	1387	1822	2038	2491	2599						
9	PG1			47	71	83	92	129	148	169	174	231	273	388	431	542	578	589	653	783	778	892	902	
	PG2			88	121	137	185	220	263	290	382	471	658	733	923	978	1110	1175	1218	1328	1435	1474		
	PG3			71	107	171	187	284	302	403	520	567	810	843	1059	1487	1590	1894	2021					
	PG4			121	193	213	312	399	498	572	690	956	1181	1322	1823	1946	2373	2518						
10	PG1			44	67	81	90	125	143	165	168	229	284	378	425	537	574	600	672	785	801	917	936	
	PG2			82	114	134	179	210	251	277	361	459	627	708	891	949	1094	1223	1398	1424	1537	1638		
	PG3			56	100	159	181	247	285	385	490	525	764	887	1009	1409	1518	1805	2042					
	PG4			113	180	206	292	337	439	540	628	915	1106	1258	1724	1852	2255	2536						
11.2	PG1			42	64	77	89	123	138	162	166	220	269	385	414	515	561	585	673	783	822	921	972	
	PG2			78	109	130	179	200	235	266	300	431	615	678	848	912	1048	1170	1301	1408	1435	1611		
	PG3			62	94	149	172	248	289	348	439	515	712	867	1079	1450	1649	1920	2150					
	PG4			106	168	196	289	318	409	503	621	835	1087	1186	1613	1750	2118	2402						
12.5	PG1			41	61	75	85	120	134	155	164	224	249	349	388	529	549	583	649	783	815	919	972	
	PG2			74	106	121	170	190	222	253	285	409	563	644	842	867	1016	1128	1307	1355	1457	1578		
	PG3			60	88	142	158	230	262	322	411	485	682	787	1000	1496	1583	1850	2050					
	PG4			98	161	180	270	297	376	476	583	780	900	1109	1585	1638	2017	2256						
14	PG1			38	57	71	81	110	131	149	162	222	248	330	400	501	558	589	633	785	814	896	965	
	PG2			70	99	114	153	190	212	238	323	408	527	640	782	860	961	1093	1238	1312	1419	1524		
	PG3			56	82	131	149	205	249	301	382	450	648	708	980	1382	1533	1720	1956					
	PG4			92	148	169	240	294	354	442	537	770	887	1089	1453	1618	1880	2149						
15	PG1			35	52	66	79	108	127	143	160	218	242	300	367	476	525	552	594	735	792	885	943	
	PG2			63	92	111	142	180	196	224	299	390	471	578	733	798	900	1030	1161	1244	1327	1442		
	PG3			51	73	120	142	187	233	277	354	408	616	630	895	1270	1398	1621	1850					
	PG4			83	136	161	219	275	323	408	487	721	782	964	1341	1473	1734	2000						
18	PG1			34	49	65	74	110	122	143	155	213	237	292	360	450	477	535	612	677	767	844	913	
	PG2			58	87	101	135	158	188	207	288	348	461	515	650	710	836	918	1036	1100	1200	1290		
	PG3			50	70	116	131	184	209	269	331	402	584	670	884	1233	1350	1550	1788					
	PG4			78	130	147	212	241	308	378	469	653	811	920	1266	1386	1675	1842						
20	PG1			32	48	60	68	98	109	134	144	206	228	283	317	436	469	545	617	686	732	815	883	
	PG2			56	83	96	131	151	180	198	259	305	385	438	580	629	772	860	946	995	1088	1161		
	PG3			46	68	107	120	168	189	256	302	343	463	520	663	1001	1085	1365	1473					
	PG4			77	122	136	198	224	298	350	409	546	644	715	1054	1139	1459	1608						
22.4	PG1			32	44	55	68	92	105	124	142	202	224	282	320	387	455	504	594	661	698	789	817	
	PG2			54	76	94	125	150	171	195	238	305	376	440	540	602	712	827		947		1106		
	PG3			45	62	98	116	159	186	231	294	311	457	496	657	828	1013	121	1455					
	PG4			70	111	133	187	220	289	337	371	535	589	710	856	1070	1077	1540						
25	PG1				61	83	94	102	127	138	185	219	262	288	361	397	440	491	581	610	644	679		
	PG2				76	87	131	139	176	188	256	290	378	404	535	587	651	712						
	PG3				100	107	154	170	221	281	379	424	475	599	780	830	884	969						
	PG4				110	123	181	200	258	321	432	502	562	643	910	972	1022	1134						
28	PG1				60	88	96	98	127	127	181	209	258	282	355	394	434	476	577	608	642	695		
	PG2				74	80	134	132	173	172	247	287	360	414	523	582	636	694						
	PG3				96	99	155	162	215	280	362	391	445	504	742	787	838	917						
	PG4				107	113	184	192	240	290	412	455	528	603	868	928	989	1080						
31.5	PG1				58	85	90	100	123	124	175	214	251	275	347	390	422	460	564	596	638	690		
	PG2				72	81	125	139	180	175	237	288	354	403	498	575	603	683						
	PG3				93	101	148	155	210	264	344	395	423	478	717	754	803	885						
	PG4				103	112	175	184	242	302	389	450	500	574	830	892	938	1045						
35.5	PG1				57	83	90	100	120	123	169	208	253	274	347	380	415	454	564	588	635	684		
	PG2				70	79	122	139	182	170	228	280	347	394	479	543	573	643						
	PG3				89	96	143	155	201	262	327	373	404	460	653	724	741	845						
	PG4				99	108	167	184	232	297	371	427	475	540	752	848	889	988						

平行轴齿轮箱 Helical Gear Units
类型H3.., H4.. Types H3.., H4..

热容量 Thermal Capacities
规格5...22 Sizes 5...22

热容量 PG, kw Thermal Capacities PG, kw																							
IN		机座号 Sizes																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		热容量PG(单位kw)取决于冷却方式: PG1: 无辅助冷却装置; PG2: 带冷却风扇; PG3: 带冷却油泵; PG4: 带风冷和冷却油泵 Thermal Capacity PG (in kw) dependent on kind of cooling: PG1: without auxiliary cooling; PG2: fan cooling; PG3: oil cooling; PG4: fan and cooling oil																					
40	PG1					54	62	88	97	111	121	182	204	228	258	330	380	382	430	527	582	631	673
	PG2					66	77	115	134	150	165	216	271	309	368	470	512	550	606				
	PG3					84	93	135	149	160	253	315	356	383	429	617	668	697	774				
	PG4					92	105	156	177	219	285	355	406	443	511	722	780	823	906				
45	PG1					52	60	80	87	106	116	181	194	217	247	321	344	378	412	521	542	623	688
	PG2					64	75	107	122	142	157	215	255	281	345	443	496	542	585				
	PG3					80	90	129	144	179	244	307	340	382	408	606	631	677	727				
	PG4					88	101	149	170	206	275	347	388	417	481	697	745	800	858				
50	PG1					51	57	74	85	102	110	186	189	212	238	312	340	389	407	493	536	611	657
	PG2					61	71	100	115	135	147	206	245	281	322	413	480	490	570				
	PG3					79	84	122	136	180	228	304	322	359	387	607	615	666	718				
	PG4					86	94	141	159	205	256	342	384	411	450	682	720	757	838				
58	PG1					48	55	71	82	97	105	146	182	204	227	305	339	350	398	470	507	600	643
	PG2					58	68	85	110	127	143	189	240	262	297	386	454	460	520				
	PG3					74	80	117	130	170	217	280	318	342	367	566	616	616	697				
	PG4					81	90	135	151	192	245	313	362	396	420	627	702	699	788				
63	PG1					46	54	66	78	93	105	139	177	194	221	290	321	327	375	454	500	588	622
	PG2					54	65	88	105	120	139	173	230	248	278	355	394	417	460				
	PG3					70	79	108	124	158	217	260	315	319	364	528	578	571	647				
	PG4					76	88	124	144	179	242	286	355	360	407	584	633	638	710				
71	PG1					46	51	65	75	91	101	138	168	190	212	282	301	321	352	436	469	565	598
	PG2					53	62	84	98	118	133	166	228	245	271	335	378	384	440				
	PG3					71	75	106	118	157	204	258	288	309	346	513	537	562	601				
	PG4					76	83	120	135	177	228	279	333	350	390	553	595	609	667				
80	PG1					44	48	63	70	87	96	130	159	185	202	269	291	306	345	411	449	542	585
	PG2					51	58	83	93	112	121	165	201	237	260	325	358	365	423				
	PG3					66	70	103	109	149	194	239	267	297	324	487	521	531	586				
	PG4					71	77	117	126	168	213	265	295	336	368	529	571	575	645				
90	PG1					43	48	60	67	81	94	127	154	175	190	258	279	286	320	389	422	524	560
	PG2					50	58	78	89	108	119	160	198	230	254	316	334	340	395				
	PG3					65	71	98	107	138	182	230	262	275	313	450	492	495	558				
	PG4					70	77	109	123	160	211	255	295	316	354	505	533	535	608				
100	PG1					48	53	67	73	90	106	145	154	194	213	283	246	307	331	400	430	543	
	PG2					55		88		112		182		243		315		369					
	PG3					67		104		178		245		302		458		517					
	PG4					73		119		195		273		339		498		563					
112	PG1					48	53	64	71	84	106	140	152	183	206	220	239	263	321	335	421	445	
	PG2					54		82		105		174		235									
	PG3					68		97		168		236		279									
	PG4					72		111		183		261		318									
125	PG1						52	58	70	75	103	117	148	181	200	216	232	255	314	331	416	436	
140	PG1						50	57	69	74	101	118	144	169	194	207	225	247	293	312	392	424	
160	PG1						49	55	66	73	98	115	138	165	187	201	216	239	282	302	380	406	
180	PG1						47	54	64	72	95	113	130	151	185	194	214	230	267	285	375	392	
200	PG1						46	52	63	69	92	109	131	145	182	192	212	229	259	275	369	386	
224	PG1						44	51	60	67	88	106	127	140	173	189	206	225	252	267	353	382	
250	PG1						42	50	58	66	84	102	121	138	164	178	191	213	242	250	335	365	
280	PG1						40	47	57	63	81	98	117	133	161	170	186	202	233	248	324	346	
315	PG1						39	45	54	60	79	93	112	128	153	166	177	198	228	242	314	334	
355	PG1						37	44	53	59	75	90	107	123	148	159	173	189	216	236	299	324	
400	PG1							42		50		88		118		194		183		223		308	
450	PG1							40		55		84		113									

直交轴齿轮箱 Bevel-helical Gear Units
类型B2.., B3.. Type B2.., B3..

额定功率 Nominal Power Ratings
规格1...22 Sizes 1...22

		额定功率 Nom. Power Ratings																					
IN		机座号 Sizes																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		额定功率 PN, kw Nom. Power Ratings PN, kw																					
5	1800	360	43	76	116	218	364		671		1056		1821		2488								
	1500	300	36	63	97	182	295		569		880		1351		2073								
	1200	240	29	50	78	146	238		447		704		1081		1688		3066						
	1000	200	24	42	65	121	197		373		587		901		1382		2585						
5.6	1800	321	38	67	104	196	317		600		943		1516		2256								
	1500	268	32	56	87	163	264		500		788		1263		1880								
	1200	214	26	45	70	130	211		400		629		1010		1504		2744						
	1000	179	21	37	58	109	178		333		524		842		1253		2287						
6.3	1800	286	35	60	92	174	281	350	533	687	838	1084	1405	1645	2123	2453							
	1500	238	29	50	77	148	234	299	444	588	698	887	1171	1371	1789	2044							
	1200	190	23	40	62	116	187	239	355	445	558	710	937	1097	1415	1635	2047	2818					

直交轴齿轮箱 Bevel-helical Gear Units

类型B2.., B3.. Types B2.., B3..

热容量 Thermal Capacities

规格1...22 Sizes 1...22

		热容量 PG, kw Thermal Capacities PG, kw																					
IN		机座号 Sizes																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		热容量 PG (单位 kw) 取决于冷却方式: PG1 无辅助冷却装置; PG2 带冷却风扇; PG3 带冷却油泵; PG4 带冷却和冷却油泵 Thermal Capacity PG (in kw) depends on kind of cooling: PG1: without auxiliary cooling; PG2 fan cooling; PG3 cooling oil; PG4 fan and cooling oil																					
5	PG1	34.9	45.6	59.7	83.4	106		152		186		280		360		517							
	PG2	38.1	50.6	73.1	115	160		218		236		478		659		828							
	PG3	41.1	59.2	109	130	205		419		495		805		1403		1540							
	PG4	45	67.5	118	206	314		470		594		1032		1680		1845							
5.6	PG1	33.4	44	57.6	77.1	107		145		180		276		376		531	558	576					
	PG2	36	48.5	70.4	106	150		210		225		488		658		818	858	869					
	PG3	41.6	58.4	104	171	261		384		497		826		1355		1650	1595	2187					
	PG4	45	64.8	112	186	288		431		545		983		1617		1856	1870	2224					
6.3	PG1	32	39.7	52.2	73.3	99.8	112	139	160	176	194	272	339	385		523	571	591					
	PG2	34.7	43.7	63.5	100	140	173	210	233	252	286	440	507	673	820	848	871						
	PG3	38.1	51.2	91.8	159	238	350	360	440	497	614	735	1025	1192	1414	1540	1540	2016					
	PG4	41	57.3	98	173	264	384	390	497	557	689	808	1215	1412	1681	1877	1902	2273					
7.1	PG1	30.7	39.4	51.5	68.8	91.2	105	132	155	168	188	284	350	381	429	534	586	603	627				
	PG2	33.4	43.5	62.7	93.8	131	162	186	201	225	237	440	527	601	687	787	838	861	880				
	PG3	37	50.4	90.9	147	218	323	318	380	421	581	711	1011	1164	1374	1528	1518	1889	2161				
	PG4	39	57	97.8	160	240	352	360	460	498	633	837	1203	1377	1628	1789	1816	2183	2454				
8	PG1	28.5	36.6	48	62.6	80.1	99.8	126	150	164	180	276	332	356	423	499	567	580	618				
	PG2	31.2	40.2	58.2	86.9	121	150	176	198	219	246	402	515	584	638	746	828	840	882				
	PG3	33.8	48	63.5	135	198	294	297	372	412	510	631	968	1026	1274	1380	1578	1675	1993				
	PG4	35.8	52.5	89.8	146	219	322	332	441	480	577	744	1153	1221	1425	1605	1823	1934	2319				
9	PG1	25	34.2	45.8	58.9	83.2	93.6	121	144	150	168	269	359	374	425	529	560	591	639				
	PG2	26.6	37.6	55.2	82.7	117	140	167	195	211	222	387	506	520	620	678	735	773	818				
	PG3	29.9	43.2	78.4	126	190	270	279	378	410	474	596	832	878	1261	1293	1417	1680	1880				
	PG4	33	48.3	84	137	210	293	312	425	472	529	701	1065	1148	1384	1523	1633	1830	2059				
10	PG1	22.2	28.6	38.4	52	64.8	86.4	113	133	140	159	258	327	356	422	500	539	593	620				
	PG2	23	31.2	45.4	69.9	99.5	130	155	189	203	218	362	459	482	673	630	702	729	783				
	PG3	25	35	64.3	104	173	245	252	356	380	440	560	884	904	1131	1206	1333	1650	1800				
	PG4	26.2	38.8	69.1	113	190	267	294	395	430	488	646	1010	1059	1292	1401	1561	1728	1944				
11.2	PG1	21.3	27.8	37.6	50.9	65.8	83.2	110	125	132	152	255	336	346	440	467	550	572	618				
	PG2	22.1	30.4	44.8	67.2	95.5	125	138	180	195	215	306	401	420	525	536	625	655	708				
	PG3	24	34.7	62.1	99.7	150	235	221	335	362	411	458	760	820	1048	1021	1193	1440	1680				
	PG4	27.2	38.6	66.4	108	165	256	248	372	399	460	539	938	972	1112	1177	1369	1512	1779				
12.5	PG1	20.5	29.4	37.3	57.8	81	80.8	104	128	157	160	218	321	335	423	413	521	458	580	552		623	
	PG2	21.4	32	45.1	68.5	97	115	141	167	205	205	277	395	434	495	535	587	625	632	884		781	
	PG3	25.9	38.1	62.2	102	173	213	256	303	405	380	524	750	754	875	1065	1070	1195	1310				
	PG4	27.5	40.6	66.7	109	183	230	272	338	440	420	570	895	906	1027	1195	1233	1415	1586				
14	PG1	19.4	25.6	33.3	55.7	78	76.5	109	117	152	138	211	302	322	379	401	429	445	460	556	635	635	654
	PG2	21	27.8	39.7	64.9	93.2	102	135	148	197	181	267	347	417	438	520	565	625	648	673	737	789	854
	PG3	22.6	32.8	54.4	97.4	166	188	245	267	366	325	500	680	721	788	1025	1065	1150	1305				
	PG4	23.8	35	58.1	104	176	200	260	295	420	362	545	745	860	895	1150	1240	1365	1430				
16	PG1	18.6	24	31.2	53.7	75.2	86.8	105	122	146	158	204	239	310	385	389	417	433	447	560	611	641	665
	PG2	19.8	25.9	37.1	62.2	89.7	102	130	149	189	212	256	313	400	468	502	543	600	630	687	745	793	862
	PG3	21.8	30.4	50.2	93.7	158	173	234	264	360	420	480	645	689	728	880	1025	1130	1250				
	PG4	23	32.5	53.8	100	168	188	249	289	400	448	523	770	816	910	1100	1190	1310	1375				
18	PG1	17.1	21.8	28.3	51.4	72.2	89.7	101	118	139	152	197	232	299	353	377	404	419	436	564	621	657	677
	PG2	18.2	23.7	33.6	59.8	86	98.2	125	143	181	204	246	301	383	449	482	523	581	605	701	754	802	870
	PG3	19.5	27.5	45.1	89.1	152	166	225	253	353	403	465	615	659	700	840	982	1085	1200				
	PG4	20.8	29.3	48	95.3	160	178	242	276	382	429	510	730	775	870	1050	1135	1245	1320				
20	PG1		33	49.6	69.8	80.7	98.9	113	133	145	194	225	289	340	383	392	400	423	570	629	669	691	
	PG2		37.1	57	82.9	94.4	120	138	174	195	241	288	372	429	475	502	548	585	715	781	815	875	
	PG3		58.4	85.4	144	159	221	245	342	384	459	690	841	668	921	940	1075	1155					
	PG4		61.1	90.7	153	170	238	264	374	409	508	695	734	825	1044	1085	1242	1270					
22.4	PG1		32.8	47.8	67.5	77.4	92.1	109	130	140	184	218	275	327	344	381	394	425	575	635	681	708	
	PG2		37.1	54.7	79.5	90.8	112	132	165	187	227	276	353	409	460	490	537	585	730	781	837	888	
	PG3		58.4	82.2	139	152	201	235	320	365	426	680	801	660	880	928	1041	1127					
	PG4		61.1	87.2	147	163	216	252	345	392	471	655	678	780	864	1057	1101	1288					
25	PG1		30.7	43.8	61.9	74.2	87.5	106	122	135	187	219	290	315	347	378	392	413	562	604	670	681	
	PG2		34.7	49.9	72.8	87.4	106	125	155	178	213	289	328	389	430	474	520	571	715	763	822	861	
	PG3		54.1	74.4	125	145	188	225	291	356	389	573	546	651	794	893	941	1084					
	PG4		56.5	78.7	133	153	201	243	320	387	430	624	621	741	887	1002	1070	1249					
28	PG1		29.9	43.5	61	71.4	82.7	99	115	129	179	221	248	301	336	363	386	388	560	599	638	683	
	PG2		33.6	49.9	71.2	89	99.8	120	145	169	201	255	315	372	400	441	486	527	679	725	767	837	
	PG3		51.8	73.9	123	140	176	206	272	330	361												

直交轴齿轮箱 Bevel-helical Gear Units

类型B3.., B4.. Types B3.., B4..

热容量 Thermal Capacities

规格3...22 Sizes 3...22

热容量 PG, kw Thermal Capacities PG, kw																							
IN		机座号 Sizes																					
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		热容量PG(单位kw)取决于冷却方式: PG1:无辅助冷却装置; PG2:带冷却风扇; PG3:带冷却泵; PG4:带风量和冷却泵 Thermal Capacity PG (in kw) dependent on kind of cooling: PG1: without auxiliary cooling; PG2: fan cooling; PG3: cooling coil; PG4: fan and cooling coil																					
31.5	PG1			28.2	41	57.6	65.8	79.5	94.7	109	121	170	208	236	265	319	340	353	373	508	548	601	645
	PG2			31.7	46.9	67.2	76.6	93.6	113	136	159	189	238	296	345	394	428	448	515	621	679	729	805
	PG3			48	68.8	115	126	164	192	249	303	337	460	481	551	683	770	819	957				
	PG4			50.2	72.8	122	135	176	207	273	329	371	527	533	628	787	884	941	1085				
35.5	PG1			28.7	39	55.5	65.1	75.2	89.6	106	114	149	189	226	255	293	311	315	325	475	500	558	631
	PG2			29.8	44.3	64.3	75.5	88	107	131	148	180	224	262	305	369	395	430	477	596	628	700	744
	PG3			44.8	64	109	125	155	180	242	281	316	445	462	514	648	689	781	873				
	PG4			47	67.7	116	133	167	195	263	303	351	485	505	582	728	778	891	982				
40	PG1			23.5	33.9	48.6	61.6	65.6	84.3	99	108	150	184	211	258	296	315	321	336	454	504	558	611
	PG2			26.2	38.2	56	71.5	77.6	100	121	139	168	211	253	307	347	379	406	457	568	603	656	713
	PG3			38.9	54.4	92.5	118	132	168	222	258	290	419	426	477	603	658	735	822				
	PG4			40.8	57.3	97.9	124	142	182	242	284	322	458	484	540	673	737	829	932				
45	PG1			23.2	33.4	47.4	59.2	63.3	80.3	96	103	144	177	192	249	271	307	311	325	445	478	513	576
	PG2			25.6	37.4	54.6	68.5	78	95.1	110	134	163	201	235	294	314	355	370	430	528	563	596	667
	PG3			38.4	52.8	89.3	110	127	159	198	251	262	395	410	449	537	612	668	790				
	PG4			40	56	94.7	117	137	173	216	272	289	430	461	511	598	681	746	805				
50	PG1			22.7	34.1	47.2	52	62.9	70.5	88	98.3	143	168	196	234	274	282	300	308	433	439	520	531
	PG2			25.3	36.2	54.1	59.5	74.4	83.7	107	124	150	180	242	273	316	322	375	392	507	515	594	606
	PG3			37	53.3	86.9	93.8	124	137	192	233	255	361	371	412	540	575	663	692				
	PG4			38.7	56.6	92.2	99.7	133	147	209	251	280	395	421	471	601	640	756	777				
56	PG1			20.3	30.4	42.7	50.4	57.5	68.3	79.4	90	132	164	180	211	249	275	288	311	395	424	471	521
	PG2			22.4	34.1	48.8	57.9	67.5	81	97	113	135	170	217	246	285	323	360	397	458	512	534	593
	PG3			32.3	47.2	77.4	90.6	111	131	170	206	225	325	330	367	480	550	596	702				
	PG4			33.9	49.8	82.2	96.3	119	141	183	224	249	354	375	410	537	610	676	786				
63	PG1			20	29	40.8	48.6	55.2	67.1	76	86.3	124	160	171	203	238	261	272	295	386	410	463	493
	PG2			21.8	32	46.1	57.4	63.9	80	91	111	127	167	204	250	270	292	322	359	439	461	513	541
	PG3			31.5	44.3	72.3	88.2	104	129	158	200	210	314	308	377	450	485	568	616				
	PG4			32.8	48.6	77	93.9	112	138	171	217	232	343	349	428	505	545	640	704				
71	PG1			18.6	25.8	37.6	45.8	51	65.3	69	79.4	112	148	154	200	226	249	261	288	366	396	436	478
	PG2			20	28.3	42.1	52	58.8	72.8	83	98.6	129	164	185	225	248	276	300	341	411	443	486	521
	PG3			28.6	38.7	65.9	78.7	94.4	115	140	176	186	279	276	335	415	457	516	587				
	PG4			29.8	40.8	69.9	83.7	102	123	152	191	205	303	311	382	465	513	591	665				
80	PG1					35.9	43.4	53.5	60.4	76.4	75.3	114	139	184	189	216	234	268	279	333	375	484	450
	PG2					49		68.8		94.3		168		212		255		316		414		487	
	PG3					73.8		109		165		258		312		426		547					
	PG4					78.4		116		178		281		357		470		615					
90	PG1					35.8	40	52.1	55.1	74	66.7	108	125	158	171	215	234	254	284	318	343	453	490
	PG2					45		63.5		85.5		154		193									
	PG3					67		97.8		146		227		281									
	PG4					71.8		105		158		248		317									
100	PG1					33.9	38.1	48.5	57.5	69	79.5	103	134	149	173	204	223	238	270	299	328	439	486
112	PG1					30	38.1	48.4	56	68	77	96.5	126	143	165	195	211	228	254	280	306	414	440
125	PG1					31.3	36.1	46	52.3	65.3	71.5	93.8	120	135	158	186	203	218	241	270	291	400	440
140	PG1					28.5	35	45.9	52.1	63	71	90	115	131	149	180	194	209	230	261	278	386	413
160	PG1					28.6	33.1	38.8	49.8	58.3	68	81	109	123	141	170	188	198	223	248	289	370	401
180	PG1					26.3	31.5	38.1	47.3	55	65.5	79	105	114	138	158	176	183	209	228	255	344	383
200	PG1					28.1	28.4	38.8	41.8	54.8	58.8	78.3	94.6	113	130	158	164	181	194	221	245	345	355
224	PG1					23.5	28	35.3	41	50	57.3	72.3	92	103	120	144	163	166	193	214	239	318	354
250	PG1					23.1	27.8	33.8	41.9	47.8	57	69	91.3	98.5	119	138	149	159	176	204	220	306	328
280	PG1					21.4	25	30.4	38.1	44.4	52.4	64.5	81	90.5	109	126	143	146	168	189	210	286	313
315	PG1					19.5	24.5	28.5	36.3	41.3	49.8	59	80.3	88	104	118	130	136	154	178	195	264	295
355	PG1					22.8		32.9		46.5		74.8		95.5		122		144		184		270	
400	PG1					21		21.1		43.1		68.8		90.5									

平行轴齿轮箱 Helical Gear Units

类型H1..,H2..,H3..,H4.. Type H1..,H2..,H3..,H4..

额定输出扭矩 Nominal Output Torques

规格1...22 Sizes 1...22

传动比IN,额定输出扭矩T _{2n} Transmission ratio IN, nominal output torques T _{2n}																							
IN	机座号 Sizes																						
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	
	额定输出扭矩T _{2n} (kNm)											nominal output torques T _{2n} (kNm)											
1.25	0.79		2.6		7		13.3		21.6														
1.4	0.83		2.7		7.2		13.9		22.3														
1.6	0.87		2.9		7.5		14.2		23.6		40		63										
1.8	0.91		2.4		7.7		15.2		24.4		41.4		66.3										
2	0.93		2.5		8.2		15.5		25		42.7		68.2		121								
2.24	0.96		2.5		8.4		15.5		25		44		70.3		122								
2.5	1		2.6		8.4		15.5		25		44		72		110								
2.8	1		2.7		8.4		14.9		23.7		44		72		113		171						
3.15	1		2.7		8.4		15.2		24.5		41.9		68.4		116		173						
3.55	1		2.8		8.3		15.5		24.9		43.7		69.6		118		173						
4	1		2.6		8.4		15.5		25		44		70.6		122		173		245				
4.5	0.82		2.2		6.7		13.8		21.4		40		57.6		102		146		216				
5	0.78		2.1		6.3		12		20.5		33.7		54.5		88.8		124		174				
5.6	0.62		2		6		11.4		17.5		31.8		51.8		84.5		118		150				
6.3			3.5	6.3	10.5		19		31.5		55.5		86		143		195		292				
7.1			3.5	6.3	10.5		19		31.5		55.5		86		143	160	195	230	292	335	410		
8			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
9			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
10			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
11.2			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
12.5			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
14			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
16			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
18			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
20			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	89	86	107	143	160	195	230	292	335	410	458	
22.4			3.5	6.2	10.2	13.5	18.6	24	31	39.5	54.5	89	88	107	153	160	200	230	300	335	420	458	
25					11	13.5	20.5	24	34	39.5	60	89	88	107	153	173	200	240	300	345	420	470	
28					11	13	20.5	24	34	38.9	60	67.8	88	109	153	173	200	240	300	345	420	470	
31.5						14.5	20.5	23.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
35.5						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
40						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
45						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
50						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
56						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
63						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
71						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
80						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
90						14.5	20	25.5	33.5	43	60	75	88	109	153	173	200	240	290	345	410	470	
100						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	226	300	335	420	485	
112						14.1	20.5	25.2	34	42	60	75	88	109	153	173	200	240	300	345	420	470	
125							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
140							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
160							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
180							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
200							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
224							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
250							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
280							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
315							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	
355						19.6	25.5	33	43	59	75	88	109	140	173	192	240	290	345	410	470		
400								25.5		43		75		109		156		225		335		485	
450									24.8		41.6		74		109								

直交轴齿轮箱 Bevel-helical Gear Units

类型B2..,B3..,B4.. Types B2..,B3..,B4..

额定输出扭矩 Nominal Output Torques

规格1...22 Sizes 1...22

	传动比及额定输出扭矩 T_{2N} Transmission ratios IN, nominal output torques T_{2N}																					
IN	机座号 Sizes																					
	1	2	3	4	5	6	7	8	10	11	12	13	14	15	16	17	18	19	20	21	22	
	额定输出扭矩 T_{2N} (kNm) nominal output torques T_{2N} (kNm)																					
5	1.15	2	3.1	5.8	9.4		17.8		28		43		66		122							
5.6	1.15	2	3.1	5.8	9.4		17.8		28		45		67		122	135	195					
6.3	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	47	55	71	82	130	141	195					
7.1	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	49	57	73	84	132	145	195	230				
8	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	59	77	88	132	148	195	230				
9	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	61	78	91	132	148	195	230				
10	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	62	78	95	132	148	195	230				
11.2	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.8	50.5	62	78	97.5	132	148	195	230				
12.5	1.15	2	3.1	5.5	9.4	12	17	22.3	28	35.8	50.5	62	78	97.5	132	148	195	230	250		340	
14	1.15	2	3.1	6	9.8	12	18.2	22.3	29.5	35.8	53	62	80	97.5	137	148	195	230	252	295	360	405
16	1.1	1.95	3.1	6.2	10.2	12	19.1	21.5	31	35.8	56	62	83	97.5	142	154	200	230	275	308	380	422
18	1.03	1.8	3	6.4	10.6	12.6	19.8	23.1	32.5	37.5	58	65	85	100	148	160	200	240	288	320	400	438
20			3.6	6.6	11	13.2	20.5	23.9	34	39.3	60	68	88	103	153	167	200	240	300	332	420	455
22.4			3.6	6.6	11	13.8	20.5	24.8	34	41	60	72	88	106	153	173	200	240	300	345	420	470
25			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
28			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
31.5			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
35.5			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
40			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
45			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
50			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
56			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
63			3.6	6.6	11	14.5	20	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
71			3.6	6.6	11	14.5	20	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
80					11	14	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345	420	470
90					11	14	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345	420	470
100					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
112					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
125					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
140					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
160					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
180					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
200					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
224					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
250					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
280					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
315					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470
355						14.5		25.5		43		75		109		173		240		345		470
400						14.5		25.5		43		75		109								

平行轴齿轮箱 Helical Gear Units

类型H1..,H2..,H3..,H4.. Type H1..,H2..,H3..,H4..

实际速比 Actual Ratios

规格1...11 Sizes 1...11

IN	实际速比 Actual Ratios										
	齿轮箱规格 Gear unit size										
	1	2	3	4	5	6	7	8	9	10	11
1.25	1.25		1.243		1.256		1.263		1.27		
1.4	1.415		1.371		1.378		1.389		1.4		
1.6	1.605		1.594		1.588		1.606		1.625		1.636
1.8	1.829		1.829		1.839		1.774		1.8		1.805
2	2		2		2.034		1.966		2		2
2.24	2.194		2.194		2.259		2.308		2.231		2.222
2.5	2.530		2.536		2.52		2.583		2.5		2.48
2.8	2.808		2.808		2.825		2.8		2.741		2.783
3.15	3.125		3.125		3.19		3.13		3.208		3.08
3.55	3.5		3.5		3.591		3.524		3.591		3.478
4	3.95		3.95		4.05		4		4.05		3.905
4.5	4.476		4.435		4.619		4.4		4.381		4.421
5	5.053		4.952		4.9		4.905		4.947		5.15
5.6	5.571		5.579		5.556		5.526		5.684		5.474
6.3			6.232	6.319	6.295		6.089		6.26		6.245
7.1			7.099	6.957	7.213		7.048		7.247		6.9
8			7.765	7.778	7.889	7.792	7.789	7.676	8.018	7.848	7.644
9			8.516	8.485	8.652	8.94	8.66	8.667	8.904	9.085	8.974
10			9.845	9.722	10.002	9.778	9.66	9.833	9.932	10.053	10.048
11.2			10.9	10.694	11.075	10.724	10.648	10.92	11.138	11.163	10.889
12.5			12.132	12.444	12.326	12.397	11.807	12.18	12.574	12.452	12.174
14			13.588	13.665	13.806	13.726	13.939	13.426	14.152	13.964	13.704
16			15.335	15.656	15.581	15.278	15.717	14.887	15.962	15.765	15.556
18			17.378	17.602	17.493	17.111	17.598	17.576	18.204	17.743	17.111
20			19.616	19.444	19.534	19.311	19.742	19.817	19.312	20.012	19.074
22.4			21.63	22.037	22.006	21.681	20.982	22.189	21.895	22.824	21.491
25					25.011	24.212	25.54	24.802	25.439	24.212	24.708
28					28.49	27.275	27.711	28.456	29.187	27.451	28.802
31.5					31.161	30.999	31.433	32.202	31.924	31.894	31.548
35.5					34.177	35.312	34.291	34.94	35.013	36.593	35.144
40					39.508	38.622	39.292	39.633	40.474	40.024	39.2
45					43.745	42.36	43.221	43.236	44.816	43.897	43.21
50					48.688	48.967	50.293	49.542	49.881	50.744	47.911
56					54.532	54.22	56.033	54.436	55.866	56.187	56.566
63					61.543	60.347	62.867	63.413	63.049	62.537	63.778
71					69.742	67.589	71.139	70.651	70.787	70.041	71.414
80					78.723	76.279	78.583	79.297	79.049	79.046	80.111
90					88.806	86.44	89.061	89.896	89.05	88.748	85.146
100						97.572	101.554	99.083	101.21	99.106	103.639
112						107.59	115.256	112.294	115.29	111.645	112.45
125							125.733	128.048	126.098	126.89	

平行轴齿轮箱 Helical Gear Units

类型H1..,H2..,H3..,H4.. Types H1..,H2..,H3..,H4..

实际速比 Actual Ratios

规格12...22 Sizes 12...22

实际速比 Actual Ratios										
齿轮箱规格 Gear unit size										
12	13	14	15	16	17	18	19	20	21	22
										1.25
										1.4
										1.6
										1.8
										2
										2.24
										2.5
										2.8
										3.15
										3.55
										4
										4.5
										5
										5.6
										6.3
										7.1
										8
										9
										10
										11.2
										12.5
										14
										16
										18
										20
										22.4
										25
										28
										31.5
										35.5
										40
										45
										50
										56
										63
										71
										80
										90
										100
										112
										125
										140
										160
										180
										200
										224
										250
										280
										315
										355
										400
										450

直交轴齿轮箱 Bevel-helical Gear Units

类型B2..,B3..,B4.. Type B2..,B3..,B4..

实际速比 Actual Ratios

规格1...11 Sizes 1...11

实际速比 Actual Ratios										
齿轮箱规格 Gear unit size										
IN	1	2	3	4	5	6	7	8	9	10
5	4.96	5.043	4.895	4.936	5.006		4.865		5.002	4.897
5.6	5.566	5.636	5.471	5.48	5.488		5.333		5.483	5.534
6.3	6.455	6.526	6.334	6.296	6.366	6.205	6.205	6.135	6.381	6.271
7.1	7.058	7.158	6.947	6.959	7.058	6.802	6.86	6.725	7.053	6.875
8	7.868	7.865	7.536	7.549	7.657	7.915	7.88	7.825	8.101	8
9	8.829	8.941	8.678	8.693	8.817	8.749	8.569	8.649	8.81	8.842
10	10.027	10.154	9.855	9.872	10.108	9.49	9.823	9.935	10.099	10.157
11.2	10.938	11.077	10.751	10.769	10.923	10.928	10.615	10.804	10.914	11.045
12.5	12.458	12.615	12.244	12.034	12.703	12.528	12.433	12.385	12.554	12.662
14	14.005	14.182	13.755	13.484	13.964	13.538	13.515	13.385	14.137	13.683
16	15.441	15.36	15.176	15.601	15.635	15.826	16.275	15.773	15.952	15.693
18	17.595	17.816	17.294	17.482	17.407	17.307	17.892	17.041	17.983	17.724
20			19.336	19.614	19.645	19.729	19.948	20.648	20.259	19.94
22.4			21.809	21.918	21.654	21.575	22.146	22.308	22.206	22.52
25			25.021	25.38	25.421	24.349	25.448	25.152	25.843	25.4
28			27.442	27.836	27.881	27.211	28.125	27.923	28.563	27.842
31.5			29.769	30.196	30.245	31.508	30.509	32.084	30.985	32.4
35.5			34.279	34.771	34.827	34.557	35.131	35.461	35.679	35.811
40			38.928	39.487	39.551	37.486	39.896	38.468	40.902	38.846
45			42.467	43.077	43.146	43.166	43.523	44.296	44.202	44.732
50			48.365	49.06	49.139	49.021	49.568	50.304	50.341	51.28
56			54.371	55.152	55.24	53.477	55.723	54.877	56.592	55.417
63			59.947	60.808	60.906	60.904	61.438	62.499	62.396	63.114
71			68.312	69.293	69.404	68.467	70.011	70.259	71.102	70.951
80					77.598	75.489	78.267	77.465	79.497	78.228
90					86.72	86.022	88.585	88.274	88.842	89.143
100					96.178	96.178	102.572	99.945	102.869	99.667
112					107.13	107.484	112.498	111.594	112.824	111.384
125					119.466	124.455	122.035	129.33	122.389	128.971
140					137.567	136.499	140.525	141.846	140.933	141.452
160					156.225	148.071	159.585	153.871	160.047	153.443
180					170.427	170.506	174.092	177.184	174.597	176.092
200					194.088	193.631	196.272	201.215	198.847	200.656
224					218.199	211.234	222.891	219.506	223.537	218.898
250					240.578	240.572	245.752	249.995	246.464	249.3
280					274.147	270.443	280.042	281.036	280.855	280.256
315					302.121	298.181	308.618	309.861	309.513	309
355						339.788		353.097		352.116
400						374.46		389.127		388.046
450										

直交轴齿轮箱 Bevel-helical Gear Units

类型B2...B3...B4... Type B2...B3...B4...

实际速比 Actual Ratios
规格12...22 Sizes 12...22

实际速比 Actual Ratios										
齿轮箱规格 Gear unit size										
12	13	14	15	16	17	18	19	20	21	22
	4.967		4.963							5
	5.613		5.609	5.63	5.514					5.6
6.226	6.366	6.156	6.34	6.362	6.234					6.3
7.036	7.138	6.957	7.132	7.192	7.012	7.239				7.1
8.005	8.108	7.915	8.101	8.09	7.965	8.143				8
8.947	8.817	8.847	8.81	9.19	8.662	9.25				9
10.164	10.108	10.049	10.099	9.993	9.93	10.059				10
11.052	10.923	10.928	10.914	11.466	10.731	11.531				11.2
12.67	12.482	12.528	12.172	12.38	12.77	12.462	12.062		12.256	12.5
13.692	13.721	13.538	13.81	13.382	13.79	14.654	13.709	13.698	13.902	13.719
15.888	16.354	15.552	15.215	15.665	16.225	16.014	15.192	15.64	15.436	15.538
17.57	17.978	17.007	17.282	17.29	17.522	18.62	17.267	17.252	17.51	17.279
19.985	20.276	20.376	19.379	19.581	19.762	20.348	19.607	19.698	19.883	19.57
22.114	22.226	22.282	21.9	21.982	22.333	22.95	22.158	22.368	22.47	22.222
25.103	25.864	25.131	24.916	24.842	25.409	25.936	25.048	25.278	25.4	25.113
27.517	28.587	27.548	27.847	28.263	28.398	29.507	28.175	28.576	28.571	28.389
32.021	32.838	32.057	31.634	31.588	32.259	32.979	32.005	32.143	32.456	31.933
35.392	35.709	35.432	34.4	35.883	35.08	37.483	34.804	36.513	35.294	36.275
40.654	40.936	40.7	39.435	39.021	40.215	40.738	39.899	39.706	40.461	39.446
44.209	44.238	44.259	42.617	44.732	43.46	46.702	43.117	45.518	43.725	45.221
50.681	50.383	50.737	48.535	48.341	49.495	50.469	48.106	49.19	49.798	48.869
54.759	56.639	54.831	54.562	55.055	55.641	57.479	55.203	56.022	55.981	55.556
62.376	62.448	62.446	60.158	61.892	61.348	64.616	60.865	62.978	61.722	62.567
70.121	71.161	70.2	68.553	68.299	69.909	71.243	68.358	69.438	70.335	68.984
77.313	82.118	77.4	76.131	77.761	76.508	81.184	79.977	79.127	77.639	78.61
88.101	90.916	88.2	85.845	88.826	83.865	88.846	87.87	81.242	87.739	86.772
102.921	104.75	101.78	99.684	97.15	97.593	97.391	102.02	100.017	98.821	98.061
114.262	115.777	111.569	110.155	113.052	107.865	113.333	112.759	118.389	111.565	111.565
131.287	125.592	129.831	126.535	124.952	123.904	125.263	129.526	128.641	126.733	124.69
145.106	144.621	143.498	137.599	143.532	134.739	143.889	140.851	147.769	137.815	141.643
157.408	165.791	155.683	157.741	156.082	154.482	156.471	161.47	160.69	157.989	154.029
181.258	179.106	179.284	170.467	178.93	166.923	179.375	174.496	184.212	170.735	176.576
205.841	204.05	205.487	194.143	193.365	190.107	193.846	186.732	199.073	194.448	190.821
224.554	229.386	222.065	218.249	220.222	213.712	220.769	223.408	226.722	218.592	217.324
255.742	252.913	252.907	240.634	247.566	235.631	248.182	246.322	254.874	241.012	244.309
287.497	288.204	284.31	274.21	272.957	268.51	273.636	280.692	281.015	274.841	269.586
316.984	317.612	313.47	302.191	311.045	295.909	311.818	309.334	320.226	302.866	306.952
361.214		357.21		342.784		343.636		352.902		338.273
398.073		393.56								
										400
										450

平行轴齿轮箱 Helical Gear Units

类型H1...H2...H3...H4... Type H1...H2...H3...H4...

转动惯量J1 Mass Moments of Inertia J1
规格1...11 Sizes 1...11

转动惯量J₁ (单位kgm²) 是指相对于齿轮箱输出轴d₁的转动惯量, 可按下式计算: J₁=IN² × J₁。
转动惯量J₂ (单位kgm²) 是指相对于齿轮箱输入轴d₂的转动惯量, 输入轴不带风扇。
如果输入轴d₂上带有风扇, 则应加上J₂。
The mass moment of inertia J₁ in kgm² refers to the output shaft d₁ of a gear unit and is calculated with the following formula: J₁=IN² × J₁.
The mass moment of inertia J₂ in kgm² refers to the input shaft d₂ of a gear unit without fan. For shaft d₂ with fan, J₂ has to be added.

转动惯量J ₁ (单位kgm ²) 是指相对于齿轮箱输出轴d ₁ 的转动惯量 Mass moment of inertia J ₁ in kgm ² referring to shaft d ₁											
齿轮箱规格 Gear unit size											
IN	1	2	3	4	5	6	7	8	9	10	11
1.25	0.0048		0.0285		0.157		0.4228		0.9271		
1.4	0.0042		0.0259		0.1432		0.3849		0.8413		
1.6	0.0037		0.0244		0.1249		0.3345		0.7272		1.7511
1.8	0.0033		0.0197		0.1088		0.3045		0.659		1.5889
2	0.003		0.0182		0.0991		0.2789		0.598		1.4383
2.24	0.0028		0.0167		0.0901		0.239		0.5375		1.2975
2.5	0.0023		0.0148		0.0816		0.2159		0.483		1.1653
2.8	0.0021		0.0134		0.0738		0.201		0.4432		1.0406
3.15	0.0015		0.0092		0.05		0.1402		0.3105		0.8423
3.55	0.0013		0.0081		0.0437		0.1225		0.2728		0.7361
4	0.0012		0.007		0.038		0.1058		0.2373		0.6485
4.5	0.00087		0.0052		0.0297		0.0861		0.1886		0.4956
5	0.00074		0.0045		0.0276		0.0748		0.1707		0.4082
5.6	0.00065		0.0038		0.0233		0.064		0.141		0.3747
J ₁			0.06		0.045		0.1		0.1		0.29
6.3			0.0055	0.0149	0.0329		0.0907		0.1995		0.5118
7.1			0.0046	0.0134	0.0275		0.0746		0.164		0.4473
8			0.0041	0.0114	0.0245	0.0383	0.0655	0.1092	0.1438	0.2364	0.3906
9			0.0037	0.0102	0.0218	0.0323	0.0574	0.0884	0.126	0.1916	0.3178
10			0.003	0.0086	0.0182	0.0285	0.05	0.0787	0.1087	0.1664	0.276
11.2			0.0026	0.0075	0.0159	0.0252	0.0441	0.0665	0.094	0.1443	0.2486
12.5			0.002	0.0053	0.0116	0.0207	0.0334	0.0574	0.0712	0.1244	0.1899
14			0.0017	0.0045	0.01	0.0179	0.0266	0.0501	0.0604	0.1067	0.1615
16			0.0014	0.0038	0.0084	0.0133	0.0224	0.0383	0.0508	0.0804	0.1348
18			0.0012	0.0032	0.0071	0.0113	0.0189	0.0302	0.0416	0.0676	0.1162
20			0.00099	0.0028	0.006	0.0094	0.016	0.0252	0.0382	0.0565	0.0932
22.4			0.00086	0.0023	0.005	0.0079	0.0147	0.0211	0.032	0.046	0.0833
25						0.0067		0.0178		0.0421	
28						0.0056		0.0163		0.0351	
J ₁				0.006	0.01	0.01	0.046	0.045	0.045	0.045	0.1
22.4											
25					0.0065		0.0162		0.0381		0.1026
28					0.0054		0.0144		0.0325		0.0833
31.5					0.0048	0.0069	0.0121	0.0173	0.0285	0.0414	0.0724
35.5					0.0042	0.0057	0.0107	0.0153	0.0255	0.0342	0.0628
40					0.0034	0.005	0.0089	0.0128	0.0215	0.0303	0.0545
45					0.003	0.0044	0.0078	0.0113	0.0189	0.0268	0.0481
50					0.0023	0.0036	0.0057	0.0093	0.0136	0.0223	0.0359
56					0.0019	0.0031	0.0049	0.0082	0.0117	0.0196	0.0283
63					0.0016	0.0024	0.0041	0.006	0.0089	0.0142	0.0236
71					0.0012	0.002	0.0032	0.0051	0.0074	0.0121	0.019
80					0.001	0.0017	0.0028	0.0043	0.0062	0.0102	0.016
90					0.00087	0.0013	0.0023	0.0034	0.0052	0.0077	0.0145
100						0.0011		0.0029		0.0085	
112						0.0009		0.0024		0.0064	
J ₁					0.006	0.006	0.01	0.01	0.02	0.02	0.045
100							0.0033		0.0067		0.0175
112							0.0027		0.0055		0.0156
125							0.0024	0.0033	0.0049	0.0068	0.0131
140							0.002	0.0028	0.0043	0.0066	0.0116
160							0.0018	0.0025	0.0035	0.005	0.0097
180							0.0015	0.0021	0.003	0.0044	0.0085
200							0.0012	0.0018	0.0023	0.0035	0.0059
224							0.00097	0.0016	0.0019	0.0031	0.0051
250							0.00081	0.0013	0.0016	0.0023	0.0043
280							0.00065	0.00098	0.0013	0.002	0.0035
315							0.0006	0.00082	0.0011	0.0016	0.003
355							0.0005	0.00066	0.00096	0.0014	0.0025
400								0.0006		0.0011	
450								0.0005		0.00097	

直交轴齿轮箱 Bevel-helical Gear Units
类型B2...B3...B4... Type B2...B3...B4...

转动惯量J1 Mass Moments of Inertia J1
规格12...22 Sizes 12...22

转动惯量J₁ (单位kgm²) 是指相对于齿轮箱输出轴d₂的转动惯量, 可按下式计算: J₁=iN² × J₂。

转动惯量J₂ (单位kgm²) 是指相对于齿轮箱输入轴d₁的转动惯量, 输入轴不带风扇。

如果输入轴d₁上带有风扇, 则应加上J₃。

The mass moment of inertia J₁ in kgm² refers to the output shaft d₂ of a gear unit and is calculated with the following formula: J₁=iN² × J₂。

The mass moment of inertia J₂ in kgm² refers to the input shaft d₁ of a gear unit without fan. For shaft d₁ with fan, J₃ has to be added.

转动惯量J ₁ (单位kgm ²) 是指相对于减速机输出轴d ₂ 的转动惯量 Mass moment of inertia J ₁ in kgm ² referring to shaft d ₂											
齿轮箱规格Gear unit size											iN
12	13	14	15	16	17	18	19	20	21	22	
	2.77		6.1753								5
	2.3418		5.3415	6.6007	10.3549						5.6
1.4755	1.8526	3.0982	4.4466	5.6746	8.5744						6.3
1.2273	1.6222	2.5972	3.7296	4.7073	7.1324	9.0369					7.1
0.9645	1.1744	2.05	2.7508	3.9358	5.0109	7.4979					8
0.8231	1.0617	1.7802	2.5048	2.9105	4.5186	5.2842					9
0.6005	0.9214	1.2988	2.1468	2.6398	3.6516	4.7581					10
0.5382	0.7959	1.1653	1.7964	2.2495	3.3184	4.034					11.2
0.4557		1.0001		1.8843		3.4725					12.5
0.3909		0.8634									14
											16
											18
0.29	0.69	0.69	0.69	0.69	0.69	0.69					J ₂
	0.6152		1.6952		3.4843		7.8896		8.3877		12.5
	0.8026		1.6558	1.7505	3.4451	3.5988	7.7305	8.0659	8.2188	8.6052	14
0.3029	0.5141	0.6638	1.4797	1.7023	3.0661	3.5397	6.9989	7.84	7.4408	8.3643	16
0.2925	0.5068	0.6456	1.4545	1.5152	3.0418	3.137	6.8398	6.956	7.2717	7.4142	18
0.2527	0.4742	0.5424	1.3716	1.4843	2.8906	3.1004	6.3626	6.8389	6.7643	7.2972	20
0.2461	0.4026	0.5318	1.1459	1.3952	2.4284	2.9267	5.4882	6.4527	5.8027	6.8842	22.4
0.227	0.3196	0.4938	0.9016	1.1644	1.9106	2.4645	4.5614	5.5587	4.8075	5.8965	25
0.1926	0.2714	0.4189	0.7728	0.9159	1.6758	1.9474	3.8203	4.6166	4.0148	4.8809	28
0.1539	0.2004	0.3317	0.5615	0.7842	1.2159	1.6981	2.8212	3.8639	2.9719	4.0729	31.5
0.1349	0.1819	0.2812	0.5062	0.5703	1.0988	1.2332	2.5642	2.855	2.6917	3.0169	35.5
0.0983	0.1539	0.2079	0.4306	0.5137	0.9461	1.1114	2.192	2.5828	2.269	2.7297	40
0.0877	0.1312	0.1882	0.3894	0.4363	0.8188	0.9592	1.6351	2.2138	1.9182	2.318	45
0.0751	0.1028	0.1587	0.2765	0.3743	0.5713	0.8283	1.4	1.8537	1.4641	1.9429	50
0.0649	0.0853	0.1353	0.2284	0.2802	0.4692	0.5787	1.1439	1.4144	1.1946	1.4832	56
0.0489	0.0725	0.106	0.1956	0.2314	0.4054	0.475	1.0429	1.1553	1.0845	1.2097	63
0.04	0.0585	0.0878	0.1587	0.1981	0.3333	0.4101	0.873	1.0522	0.9051	1.097	71
0.0339		0.0745		0.1605		0.3369		0.8802		0.9147	80
0.0272		0.0601									90
0.1	0.29	0.29	0.29	0.29	0.69	0.69	0.69	0.69	0.69	0.69	J ₂
	0.0795		0.2219		0.2276		0.4955		1.4120		80
	0.0678		0.1883	0.2234	0.1931	0.2307	0.4203	0.5009	1.1776	1.4199	90
0.0358	0.0549	0.0807	0.1507	0.1896	0.1542	0.1956	0.3327	0.4248	0.9261	1.1838	100
0.0297	0.0465	0.0688	0.1323	0.1516	0.1352	0.1561	0.2821	0.336	0.7924	0.9309	112
0.0254	0.0359	0.0556	0.0964	0.133	0.0985	0.1367	0.2085	0.2848	0.6757	0.7962	125
0.0219	0.0323	0.0471	0.0861	0.0969	0.0879	0.0997	0.1887	0.2106	0.519	0.5796	140
0.017	0.0271	0.0364	0.0738	0.0866	0.0752	0.0889	0.1591	0.1905	0.4404	0.5215	160
0.0143	0.0233	0.0327	0.0638	0.0742	0.065	0.076	0.1357	0.1605	0.3778	0.4423	180
0.0114	0.0182	0.0274	0.0481	0.0641	0.049	0.0657	0.1063	0.1368	0.2829	0.3794	200
0.0102	0.0149	0.0235	0.0393	0.0483	0.04	0.0495	0.088	0.1071	0.2335	0.2842	224
0.0084	0.0127	0.0184	0.0333	0.0395	0.0338	0.0404	0.0747	0.0887	0.1998	0.2345	250
0.0071	0.0102	0.0151	0.0267	0.0335	0.0272	0.0343	0.0603	0.0753	0.1619	0.2007	280
0.0061	0.0081	0.0128	0.0217	0.0269	0.0221	0.0275	0.0493	0.0607	0.1289	0.1625	315
0.0048		0.0103		0.0218		0.0223		0.0497		0.1294	355
0.0041		0.0082									400

齿轮箱 Gear Units

输出轴d₂上允许的附加径向力¹⁾

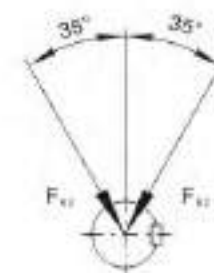
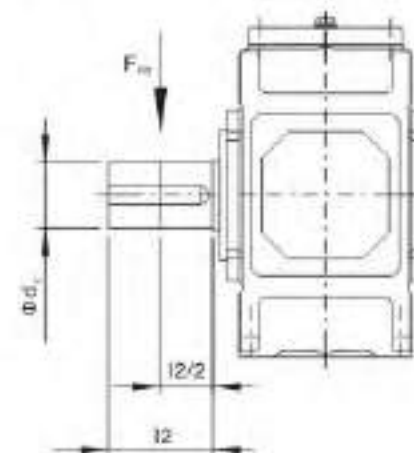
Permissible Additional Radial Forces on Output Shaft d₂¹⁾

类型H1S...H2S...H3S...H4S...B2S...B3S...B4S

Types H1S...H2S...H3S...H4S...B2S...B3S...B4S

作用力在轴端中部

Application of force on centre of shaft end



允许的作用力方向
Permissible direction of force

允许的附加径向力F_{ra} (kN), 作用于输出轴端中部¹⁾

Permissible additional radial forces F_{ra} in kN with application of force on center of shaft end¹⁾

类型 Type	布置形式 Design	齿轮箱规格1) 4) Gear unit sizes 1) 4)																	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
H1SH	A/B	2)	-	2)	-	2)	-	2)	-	2)	-	2)	-	2)	-	2)	-	2)	-
H2S	A/B/G/H	-	-	8	10	22	22	30	30	30	45	64	64	150	150	140	205	205	205
	C/D	-	-	8	10	13	13	18	18	10	28	35	35	112	112	85	135	135	135
H3S	A/B/G/H	-	-	-	-	29	29	40	40	40	60	85	85	190	190	185	265	265	265
	C/D	-	-	-	-	18	18	26	26	18	40	50	50	150	150	120	185	185	190
H4S	A/B	-	-	-	-	-	-	26	26	18	40	50	50	150	150	120	185	185	190
	C/D	-	-	-	-	-	-	40	40	40	60	85	85	190	190	185	265	265	265
B2S	A/C	7	10	10	13	27	27	37	37	38	55	78	78	160	160	150	210	210	210
	B/D	4	7	9	12	15	15	17	17	10	30	38	38	110	110	75	145	100	100
B3S	A/C	-	-	9	14	29	29	40	40	40	60	85	85	190	190	185	265	265	265
	B/D	-	-	7	9	18	18	26	26	18	40	50	50	150	150	120	185	185	190
B4S	A/C	-	-	-	-	29	29	40	40	40	60	85	85	190	190	185	265	265	265
	B/D	-	-	-	-	18	18	26	26	18	40	50	50	150	150	120	185	185	190

1) 表中数据为最小值。如果给定了力的作用角和旋转方向, 通常情况下, 可允许承受较大的附加力。请与我们联系。

2) 根据用户要求供货。

3) 当作用力不在轴端中部时, 请参见第40页。

4) 基础螺栓的最低性能等级为8.8级。基础必须干燥, 不得有油脂。如用户要求, 允许输入轴d₁上附加径向力。

1) Values in tables are minimum values. If the angle of application of force and the direction of rotation are given, significantly higher additional forces can mostly be allowed. Please consult us.

2) On request.

3) For application of force outside the center of the shaft end, see page 40.

4) see foundation bolts of min. Property class 8.8. Foundation must be dry and grease-free. Permissible additional radial forces on input shaft d₁ on request.

齿轮箱 Gear Units

输出轴 d_2 上允许的附加径向力¹⁾

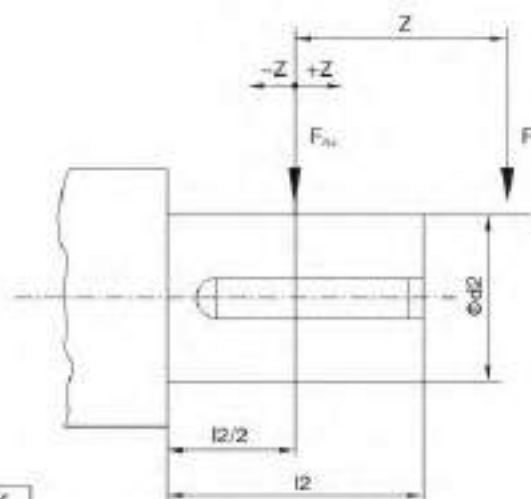
Permissible Additional Radial Forces on Output Shaft d_2 ¹⁾

类型H1S., H2S., H3S., H4S., B2S., B3S., B4S

Types H1S., H2S., H3S., H4S., B2S., B3S., B4S

作用力不在轴端中部

Application of force outside the centre of the shaft end



F_{rad} 允许的轴端外部径向力
 F_{rad} Permissible external radial force

F_{ra} 允许的附加径向力根据81页上的表确定
 F_{ra} Permissible additional radial force acc.to table page 81

K 作用力系数根据下表确定
K Factor of application of force acc.to table

$$F_{rad} = F_{ra} \times K$$

作用力系数 K Factor of application of force K

规格 Size	距离 Z (mm) Distance Z in mm														
	-200	-150	-100	-75	-50	-25	0	25	50	75	100	105	200	250	300
1						1.11	1	0.81	0.68	0.58	0.51				
2						1.11	1	0.83	0.71	0.63	0.56				
3					1.21	1.09	1	0.85	0.74	0.65	0.58	0.48			
4					1.17	1.08	1	0.86	0.76	0.68	0.62	0.52	0.44		
5+6				1.22	1.14	1.06	1	0.88	0.79	0.72	0.66	0.56	0.49	0.43	
7+8				1.19	1.12	1.06	1	0.89	0.81	0.74	0.68	0.58	0.51	0.46	0.41
9+10			1.22	1.15	1.1	1.05	1	0.9	0.82	0.76	0.7	0.61	0.54	0.48	0.44
11+12			1.18	1.13	1.08	1.04	1	0.91	0.84	0.78	0.73	0.64	0.57	0.51	0.47
13+14		1.24	1.15	1.11	1.07	1.03	1	0.92	0.86	0.8	0.75	0.67	0.6	0.55	0.5
15+16		1.2	1.12	1.09	1.06	1.03	1	0.93	0.87	0.82	0.77	0.69	0.63	0.58	0.53
17+18	1.25	1.17	1.11	1.08	1.05	1.03	1	0.94	0.88	0.84	0.79	0.72	0.66	0.6	0.56

齿轮箱 Gear Units

类型H2...H4...B2...B4... Type H2...H4...B2...B4...

布置形式 Design

规格1...22 Sizes 1...22

平行轴减速机 Helical Gear Units		
H.SH, H.SV	实心轴 Solid shaft	
A	B	C
D	E	F
G	H	I

直交轴减速机 Bevel-helical Gear Units		
B.SH, B.SV	实心轴 Solid shaft	
A	B	C
D	E	F

H.DH, H.DM, H.DV 带胀紧盘的空心轴 Hollow shaft for shrink disk*)		
A	B	C
D	G	H

B.DH, B.DM, B.DV 带胀紧盘的空心轴 Hollow shaft for shrink disk*)	
A	B
C	D

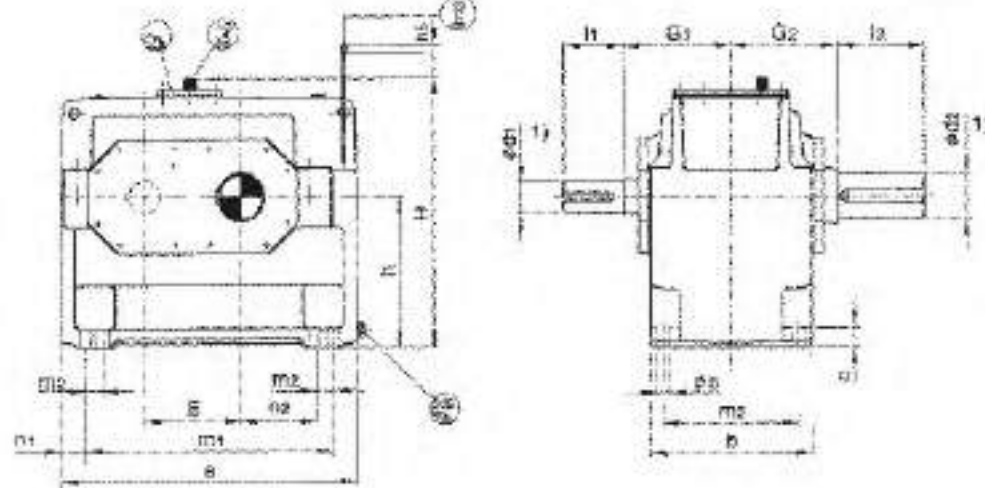
H.HH, H.HM, H.HV 空心轴 Hollow shaft*)		
A	B	G

B.HH, B.HM, B.HV 空心轴 Hollow shaft*)	
A/B	C/D

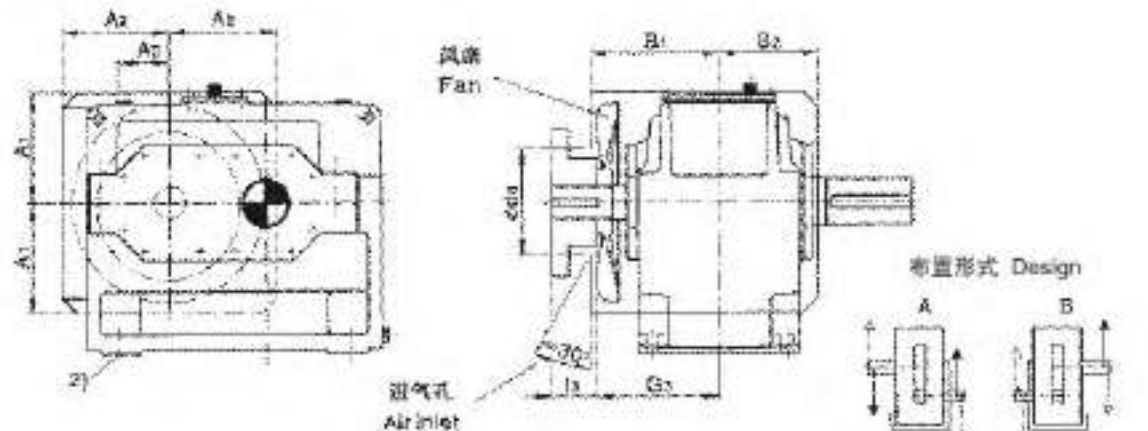
注: *) 箭头表示工作机驱动轴插入方向

Note: The arrow indicates the direction of insertion of the driven machine shaft.

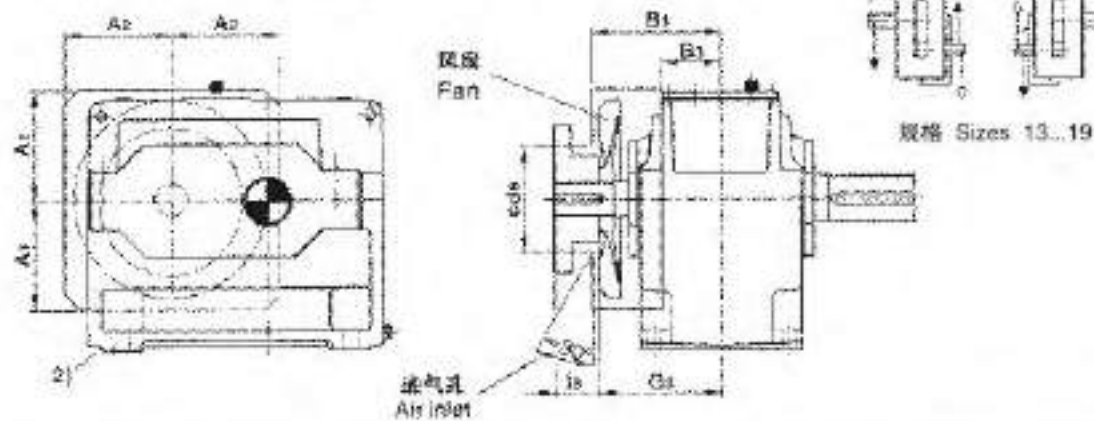
H1SH



H1SH
规格 3...11带冷却风扇 Sizes 3...11 with fan



H1SH
规格 13...19带冷却风扇 Sizes 13...19 with fan



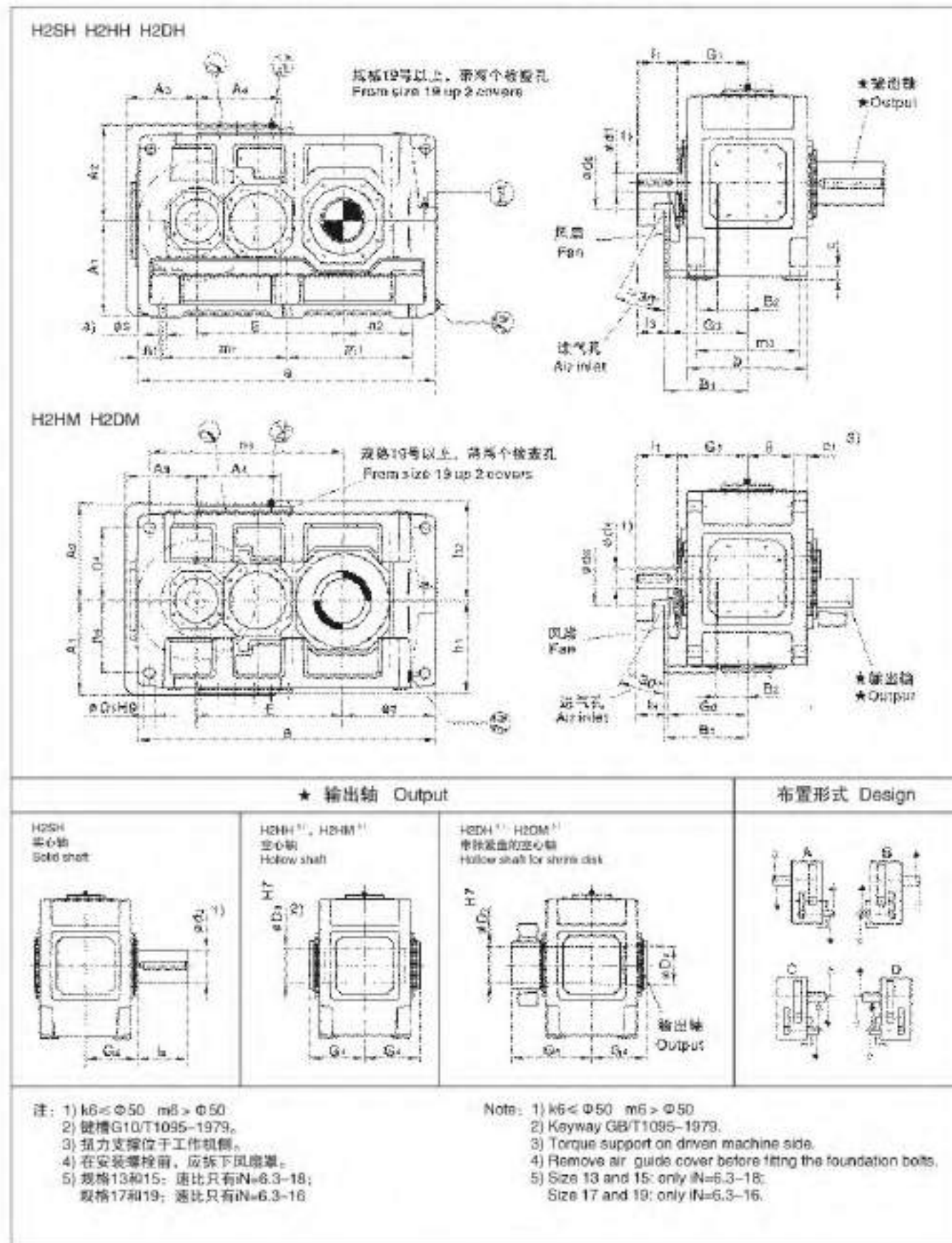
注: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) 在安装基础螺栓前, 应拆下风扇罩。
3) 规格1号不带风扇。

Note: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) Remove air guide cover before fitting the foundation bolts.
3) Sizes 1 without fan.

规格 Size	尺寸 mm Dimensions in mm															
	输入轴 Input															
	iN=1.25~2.8			iN=1.6~2.8			iN=2~2.8			iN=3.15~4			iN=4.5~5.6			G1
	d1 ¹⁾	l1	l3	d1 ¹⁾	l1	l3	d1 ¹⁾	l1	l3	d1 ¹⁾	l1	l3	d1 ¹⁾	l1	l3	
1	40	70	-							30	50		24	40	-	110
3	60	140	110							45	110	80	32	90	70	180 200
5	85	160	130							60	135	105	50	110	80	210 240
7	100	200	165							75	140	105	60	140	105	250 285
9	110	200	165							90	165	130	75	140	105	280 315
11				130	240	205				110	205	170	90	170	135	325 360
13				150	245	200				130	245	200	100	210	165	365 410
15							180	290	240	150	250	200	125	250	200	360 410
17							200	330	280	170	290	240	140	250	200	400 450
19							220	340	290	190	340	290	160	300	250	440 490

规格 Size	尺寸 mm Dimensions in mm																		
	齿轮箱 Gear units																		
	a	A1	A2	A3	b	B1	B2	B3	c	d6	E	f	h	h5	H	m1	m2	m3	n1
1	295	-	-	-	150	-	-	-	18	-	90	140	55	275	220	-	120	37.5	80
3	420	150	145	80	200	205	130	-	28	130	130	200	82	375	310	-	160	55	110
5	580	225	215	115	285	255	185	-	35	190	185	290	100	525	440	-	240	70	160
7	690	255	250	120	375	300	230	-	45	245	225	350	75	625	540	-	315	75	195
9	805	300	265	140	425	330	265	-	50	280	265	420	50	735	625	-	350	90	225
11	960	360	330	190	515	375	320	-	60	350	320	500	40	875	770	-	440	95	280
13	1100	415	350	-	580	430	-	150	70	350	370	580	40	1020	870	-	490	115	315
15	1295	500	430	-	545	430	-	120	80	450	442	600	10	1115	1025	-	450	135	370
17	1410	550	430	-	615	470	-	150	80	445	490	670	-	1235	1170	130	530	120	425
19	1590	630	475	-	690	510	-	190	90	445	555	760	-	1395	1290	150	590	150	465

规格 Size	尺寸 mm Dimensions in mm			润滑油 Lubrication (L)	重量 Weight (kg)
	输出轴 Output				
	d ₁ ¹⁾	G2	l ₂		
1	45	110	80	2.5	55
3	60	170	125	7	128
5	85	210	160	22	302
7	105	250	200	42	547
9	125	270	210	68	862
11	150	320	240	120	1515
13	180	360	310	175	2395
15	220	360	350	190	3200
17	240	400	400	270	4250
19	270	440	450	390	5800



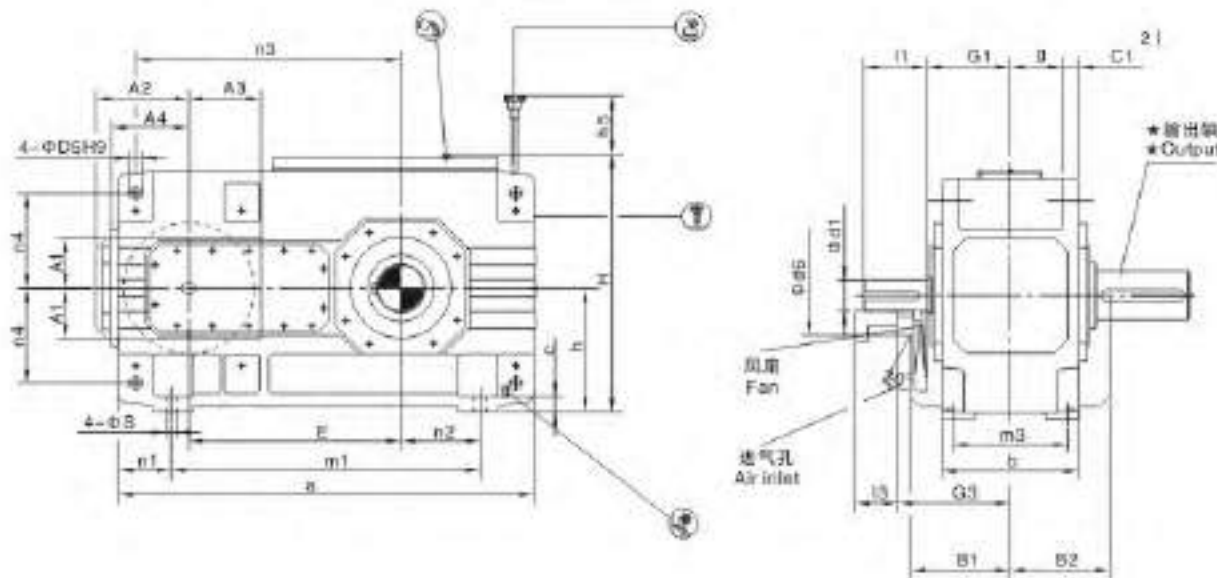
规格 Size	尺寸 mm Dimensions in mm																	
	输入轴 Input																	
	iN=6.3-11.2			iN=7.1-12.5			iN=8-14			iN=12.5-20			iN=14-22.4			iN=16-25		
	d1'	l1	l3	d1'	l1	l3	d1'	l1	l3	d1'	l1	l3	d1'	l1	l3	d1'	l1	l3
13	100	205	170							85	170	135						
14							100	205	170							85	170	135
15	120	210	165							100	210	165						
16				120	210	165							100	210	165			
17	125	245	200							110	210	165						
18				125	245	200							110	210	165			
19	150	245	200							120	210	165						
20				150	245	200							120	210	165			
21	170	290	240							140	260	200						
22				170	290	240							140	250	200			

规格 Size	尺寸 mm Dimensions in mm													
	齿轮箱 Gear units													
	a	A1	A2	A3	A4	b	B1	B2	c	c1	d6	D5	e2	E
13	1290	430	460	330	365	550	365	135	60	61±2	250	48	405	635
14	1430	430	460	330	365	550	365	135	60	61±2	250	48	475	705
15	1550	490	500	370	440	625	430	155	70	72±2	280	55	485	762
16	1640	490	500	370	440	625	430	155	70	72±2	280	55	530	808
17	1740	540	565	435	505	690	485	140	80	81±2	280	55	525	860
18	1860	540	565	435	505	690	485	140	80	81±2	280	55	585	920
19	2010	600	600	500	450	790	540	190	90	91±2	310	65	590	997
20	2130	600	600	500	450	790	540	190	90	91±2	310	65	650	1057
21	2140	680	680	500	610	830	565	200	100	100±2	450	75	655	1067
22	2250	680	680	500	610	830	565	200	100	100±2	450	75	710	1122

规格 Size	尺寸 mm Dimensions in mm												
	齿轮箱 Gear units												
	g	h	h1	h2	H	m1	m2	m3	n1	n2	n3	n4	s
13	211.5	440	450	460	900	545	545	475	100	305	835	340	35
14	211.5	440	450	460	900	545	685	475	100	375	905	340	35
15	238	500	490	500	1000	655	655	535	120	365	1005	375	42
16	238	500	490	500	1000	655	745	535	120	410	1050	375	42
17	259	550	555	560	1110	735	735	600	135	390	1145	425	42
18	259	550	555	560	1110	735	855	600	135	450	1205	425	42
19	299	620	615	620	1240	850	850	690	155	435	1345	475	48
20	299	620	615	620	1240	850	970	690	155	495	1405	475	48
21	310	700	685	690	1390	900	900	720	170	485	1400	520	56
22	310	700	685	690	1390	900	1010	720	170	540	1455	520	56

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight	
	输出轴 Output									H2.H	H2.M		
	H2SH			H2HH ¹⁾ H2HM ¹⁾		H2DH ¹⁾ H2DM ¹⁾				(L)		H2.H	H2.M
	d2'	G2	L2	D2'	G4	D3	D4	G4	G5			(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	135	110	2000	1880
14	210	335	350	210	335	210	215	335	480	140	115	2570	2430
15	230	380	410	230	380	230	235	380	550	210	160	3430	3240
16	240	380	410	240	380	240	245	380	550	215	165	3655	3465
17	250	415	410	250	415	250	260	415	600	290	230	4650	4420
18	270	415	470	275	415	280	285	415	600	300	240	5125	4870
19	290	465	470	-	-	285	295	465	670	320	300	6600	6300
20	300	465	500	-	-	310	315	465	670	340	320	7500	7200
21	320	490	500	-	-	330	335	490	715	320	350	8900	8400
22	340	490	550	-	-	340	345	490	725	340	370	9600	9200

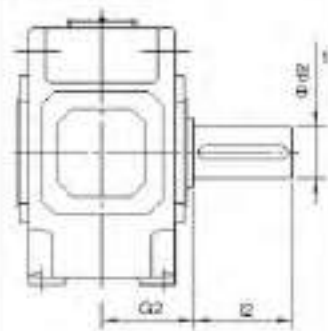
H3SH H3HH H3DH



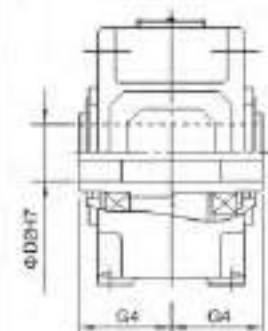
★ 输出轴 Output

布置形式 Design

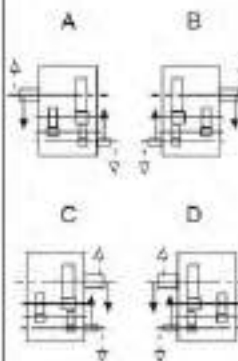
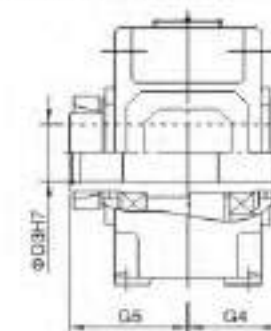
H3SH
实心轴
Solid shaft



H3HH, H3HM
空心轴
Hollow shaft



H3DH, H3DM
带紧套的空心轴
Hollow shaft for shrink disk



注: 1) $k6 \leq \Phi 50$ $n6 > \Phi 50$
2) 扭力支撑位于工作机侧

Note: 1) $k6 \leq \Phi 50$ $n6 > \Phi 50$
2) Torque support on driven machine side

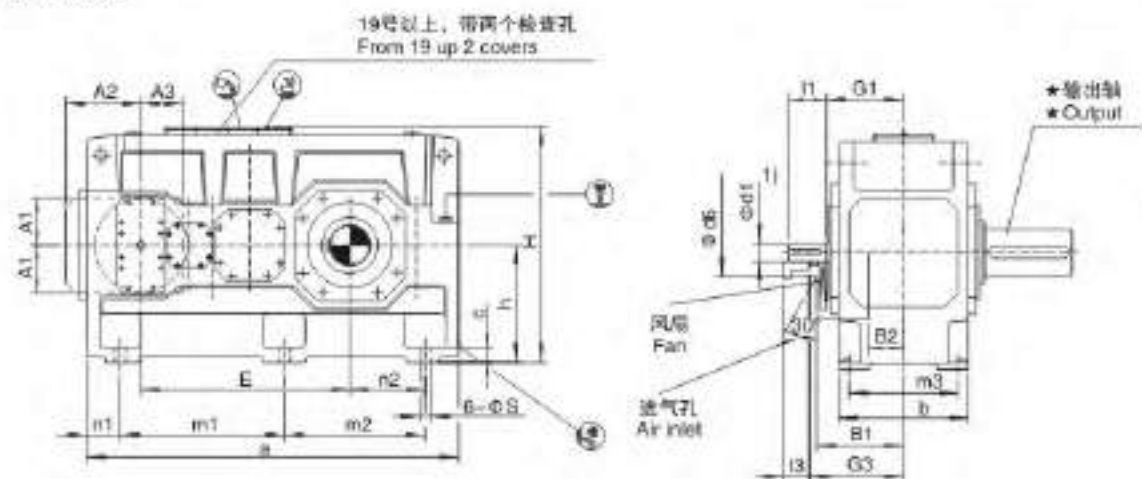
规格 Size	尺寸 mm Dimensions in mm																			
	输入轴 Input																			
	IN-24-45			IN-31.5-56			IN-50-63			IN-63-80			IN-71-90			IN-80-112			G1	G3
	d1''	l1	l3	d1''	l1	l3	d1''	l1	l3	d1''	l1	l3	d1''	l1	l3	d1''	l1	l3		
5	40	80	60				30	60	40				24	60	40				170	190
6				40	80	60				30	60	40				24	60	40	170	190
7	45	110	80				35	80	60				28	70	50				210	240
8				45	110	80				35	80	60				28	70	50	210	240
9	50	140	110				45	110	80				32	90	60				240	270
10				50	140	110				45	110	80				32	90	60	240	270
11	70	140	105				50	110	80				42	100	70				275	310
12				70	140	105				50	110	80				42	100	70	275	310

规格 Size	尺寸 mm Dimensions in mm											
	齿轮箱 Gear units											
	a	A1	A2	A3	A4	b	B1	B2	c	c1	d6	D5
5	680	137	135	140	80	255	215	175	28	30 ± 1	60	24
6	770	137	135	140	80	255	215	175	28	30 ± 1	60	24
7	845	157	160	180	100	300	245	205	35	36 ± 1	75	28
8	950	157	160	180	100	300	245	205	35	36 ± 1	75	28
9	1000	182	190	205	120	370	295	240	40	45 ± 1.5	90	36
10	1100	182	190	205	120	370	295	240	40	45 ± 1.5	90	36
11	1200	218	220	255	150	430	325	280	50	54 ± 1.5	100	40
12	1355	218	220	255	150	430	325	280	50	54 ± 1.5	100	40

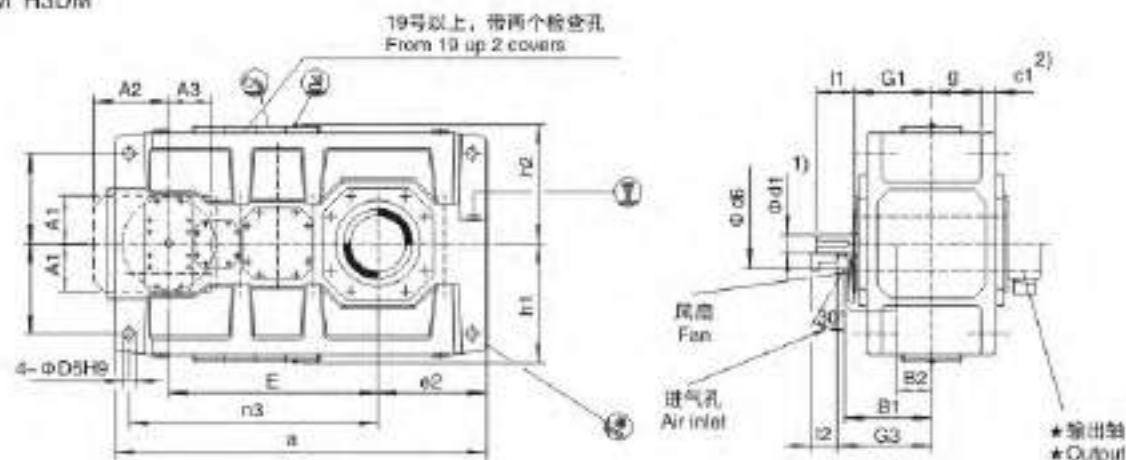
规格 Size	尺寸 mm Dimensions in mm											
	齿轮箱 Gear units											
	E	g	h	h5	H	m1	m3	n1	n2	n3	n4	s
5	405	97.5	230	130	482	480	220	105	100	455	180	19
6	440	97.5	230	130	482	560	220	105	145	490	180	19
7	495	114	280	170	572	605	260	120	130	580	215	24
8	540	114	280	160	582	710	260	120	190	605	215	24
9	580	140	320	185	662	710	320	145	155	660	245	28
10	630	140	320	185	662	810	320	145	205	710	245	28
11	705	161	380	180	782	870	370	165	180	805	300	35
12	775	161	380	170	790	1025	370	165	265	875	300	35

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)
	输出轴 Output										
	H3SH			H3HH		H3DH					
	d2'	G2	l2	D2'	G4	D3	D4	G4	G5		
5	100	165	210	95	165	100	100	165	240	15	320
6	110	165	210	105	165	110	110	165	240	17	365
7	120	195	210	115	195	120	120	195	280	28	540
8	130	195	250	125	195	130	130	195	285	30	625
9	140	235	250	135	235	140	145	235	330	45	875
10	160	235	300	150	235	150	155	235	350	46	1020
11	170	270	300	165	270	165	170	270	400	85	1400
12	180	270	300	180	270	180	185	270	405	90	1675

H3SH H3HH H3DH

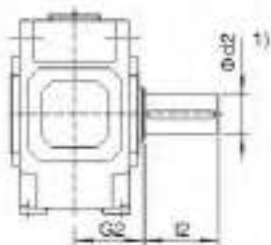


H3HM H3DM

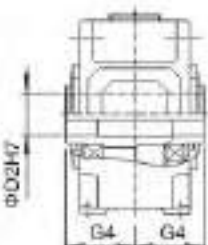


★ 输出轴 Output

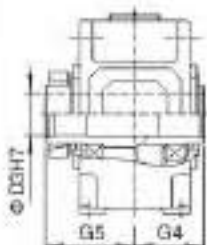
H35H
 空心轴
 Solid shaft



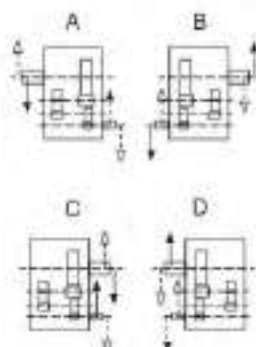
HIGH-H, HIGH-HW
空心轴
Hollow shaft



H3DH, H3DM
带胀紧套的空心轴
Hollow shaft for shrink disk



布置形式 Design



注: 1) $m_6 \leq \phi 50$ $n_6 > \phi 50$
2) 扭力支撑位于工作机侧。

Note: 1) $m_6 \leq \Phi 50$ $n_6 > \Phi 50$
2) Torque support on driven machine side.

规格 Size	尺寸 mm Dimensions in mm																		G1	G3
	输入轴 Input																			
	IN=22.4-45			IN=25-50 (N=28-56 *)			IN=50-63			N=56-71 (N=63-80 *)			IN=71-90			N=80-100 (N=90-112 *)				
	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3	d1	l1	l3		
13	85	160	130				60	135	105				50	110	80				310	385
14				85	160	130				60	135	105				50	110	80	310	385
15	100	200	165				75	140	105				60	140	105				350	420
16				100	200	165				75	140	105				60	140	105	350	420
17	100	200	165				75	140	105				60	140	105				380	450
18				100	200	165				75	140	105				60	140	105	380	450
19	110	200	4)				80	165	4)				75	140	4)				430	4)
20				110	200	4)				90	165	4)				75	140	4)	430	4)
21	130	240	4)				110	205	4)				90	170	4)				470	4)
22				130	240	4)				110	205	4)				90	170	4)	470	4)

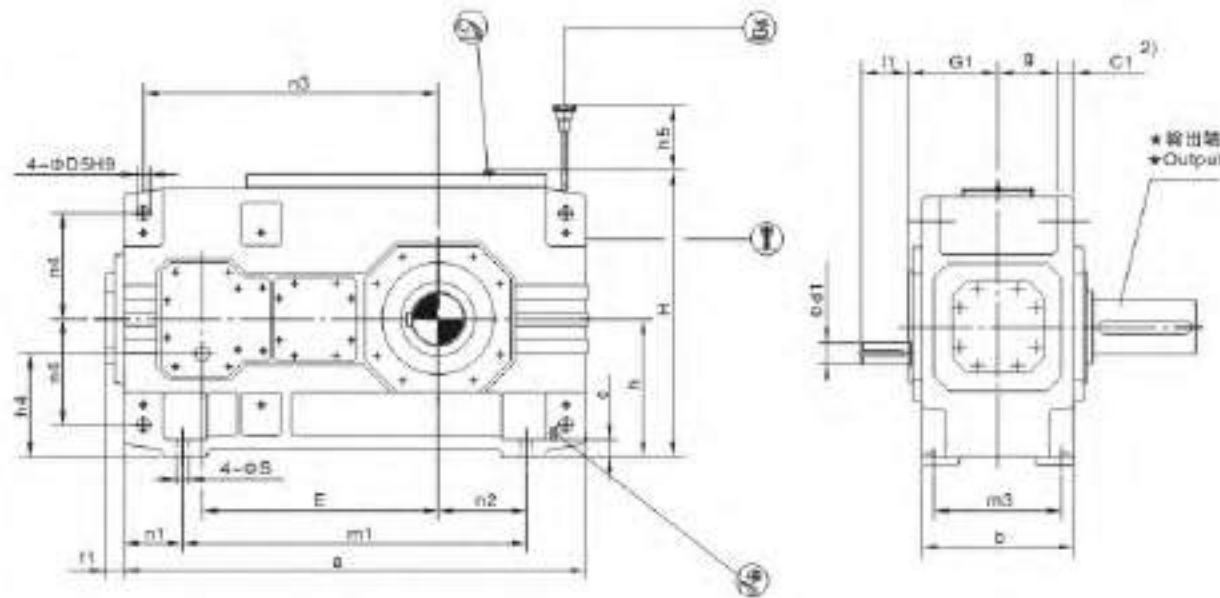
*) 仅指规格14号齿轮箱 Only size 14

规格 Size	尺寸 mm Dimensions in mm												
	齿轮箱 Gear units												
	a	A1	A2	A3	b	B1	B2	c	c1	d6	D5	a2	E
13	1395	225	225	212	550	380	195	60	61 ± 2	120	48	405	820
14	1535	225	225	212	550	380	195	60	61 ± 2	120	48	475	890
15	1680	270	265	252	625	415	205	70	72 ± 2	150	55	485	987
16	1770	270	265	252	625	415	205	70	72 ± 2	150	55	530	1033
17	1770	270	265	252	690	445	235	80	81 ± 2	150	55	525	1035
18	1890	270	265	252	690	445	235	80	81 ± 2	150	55	585	1095
19	2030	4)	4)	4)	790	4)	4)	90	91 ± 2	4)	65	590	1180
20	2150				790			90	91 ± 2		65	650	1250
21	2340				830			100	100 ± 2		75	655	1387
22	2450				830			100	100 ± 2		75	710	1442

规格 Size	尺寸 mm Dimensions in mm												
	齿轮箱 Gear units												
	g	h	h1	h2	H	m1	m2	m3	n1	n2	n3	n4	c
13	211.5	440	450	460	900	597.5	597.5	475	100	305	940	340	35
14	211.5	440	450	460	900	597.5	737.5	475	100	375	1010	340	35
15	238	500	490	500	1000	720	720	535	120	365	1135	375	42
16	238	500	490	500	1000	720	810	535	120	410	1180	375	42
17	259	550	555	560	1110	750	750	600	135	390	1175	425	42
18	259	550	555	560	1110	750	870	600	135	450	1235	425	42
19	299	620	615	620	1240	860	860	690	155	435	1365	475	48
20	299	620	615	620	1240	860	980	690	155	495	1425	475	48
21	310	700	685	690	1390	1000	1000	720	170	495	1615	520	56
22	310	700	685	690	1390	1000	1110	720	170	540	1670	520	56

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight	
	输出轴 Output												
	H3SH			H3HH	H3HM	H3DH H3DM				H3.H	H3.M	H3.H	H3.M
	d2 ¹	G2	I2	D2 ²	G4	D3	D4	G4	G5	(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	160	125	2295	2155
14	210	335	350	210	335	210	215	335	480	165	130	2625	2490
15	230	380	410	230	380	230	235	380	550	235	190	3475	3280
16	240	380	410	240	380	240	245	380	550	245	195	3875	3625
17	250	415	410	250	415	250	260	415	600	305	240	4560	4250
18	270	415	470	275	415	280	285	415	600	315	250	5030	4740
19	290	465	470	-	-	285	295	465	670	420	390	6700	6200
20	300	465	500	-	-	310	315	465	670	450	415	8100	7600
21	320	490	500	-	-	330	335	490	715	470	515	9100	8500
22	340	490	550	-	-	340	345	490	725	490	540	9800	9300

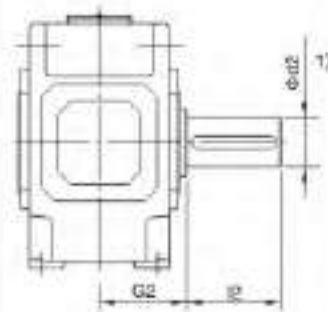
H4SH H4HH H4DH



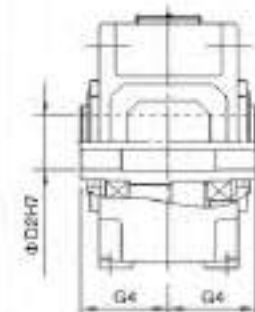
★ 输出轴 Output

布置形式 Design

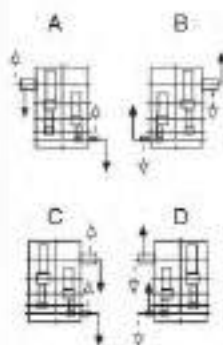
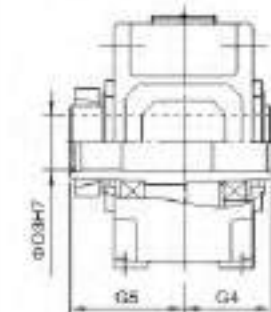
H4SH
实心轴 Solid shaft



H4HH, H4DH
空心轴 Hollow shaft



H4DH, H4DH
带法兰的空心轴
Hollow shaft for shrink disk



注: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) 扭力支撑位于工作机侧

Note: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) Torque support on driven machine side

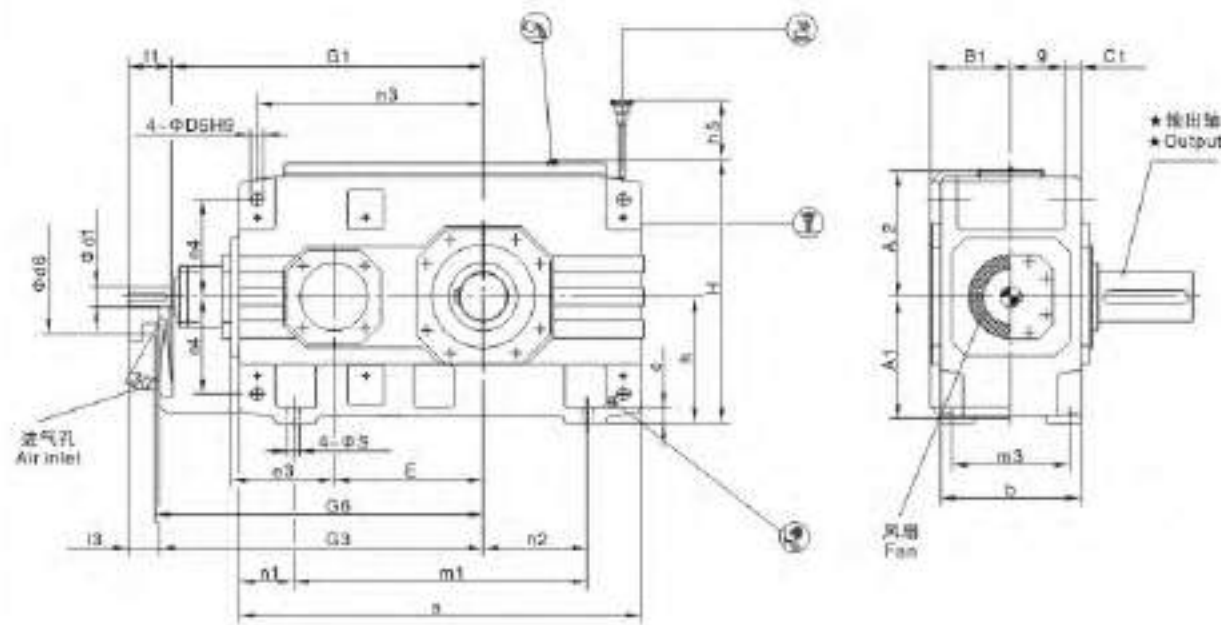
规格 Size	尺寸 mm Dimensions in mm								
	输入轴 Input								
	IN=100-180		IN=125-224		IN=200-355		IN=250-450		G1
	d1'	l1	d1'	l1	d1'	l1	d1'	l1	
7	30	80			24	50			180
8			30	60			24	50	180
9	35	80			28	60			215
10			35	80			28	60	215
11	45	110			32	80			250
12			45	110			32	80	250

规格 Size	尺寸 mm Dimensions in mm																		
	齿轮箱 Gear units																		
	a	b	c	φ1	D5	E	l1	g	h	h4	h5	H	m1	m3	n1	n2	n3	n4	s
7	845	300	35	36 ± 1	28	495	37	114	280	200	140	572	605	260	120	130	560	215	24
8	950	300	35	36 ± 1	28	540	37	114	280	200	140	582	710	260	120	190	605	215	24
9	1000	370	40	45 ± 1.5	36	580	43	140	320	230	150	662	710	320	145	155	660	245	28
10	1100	370	40	45 ± 1.5	36	630	43	140	320	230	150	662	810	320	145	205	710	245	28
11	1200	430	50	54 ± 1.5	40	705	47	161	380	270	165	782	870	370	165	180	805	300	35
12	1355	430	50	54 ± 1.5	40	775	47	161	380	270	165	780	1025	370	165	265	875	300	35

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)
	输出轴 Output										
	H4SH			H4HH		H4DH					
	d2'	G2	l2	D2'	G4	D3	D4	G4	G5		
7	120	195	210	115	195	120	120	195	280	25	550
8	130	195	250	125	195	130	130	195	285	27	645
9	140	235	250	135	235	140	145	235	330	48	875
10	160	235	300	150	235	150	155	235	350	50	1010
11	170	270	300	165	270	165	170	270	400	80	1460
12	180	270	300	180	270	180	185	270	405	87	1725

直交轴齿轮箱 Bevel-helical Gear Units 二级传动 Two Stage 卧式安装 Horizontal
类型B2.H Types B2.H 规格1...12 Sizes 1...12

B2SH B2HH B2DH



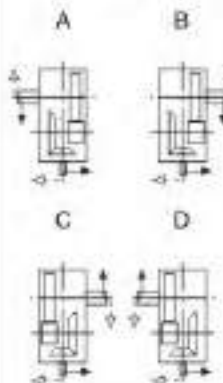
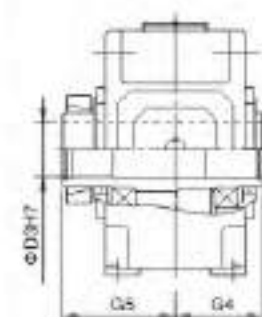
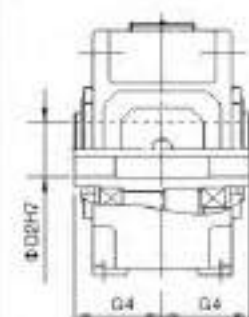
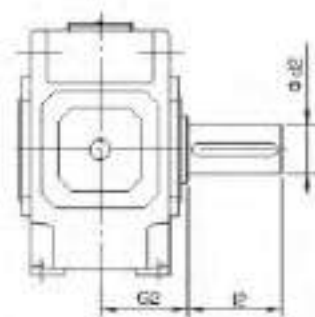
★ 输出轴 Output

布置形式 Design

B2SH
实心轴
Solid shaft

B2HH, B2DH
空心轴
Hollow shaft

B2DH, B2DM
带胀紧套的空心轴
Hollow shaft for shrink disk



注: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) 扭力支撑位于工作机侧

Note: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) Torque support on driven machine side

直交轴齿轮箱 Bevel-helical Gear Units 二级传动 Two Stage 卧式安装 Horizontal
类型B2.H Types B2.H 规格1...12 Sizes 1...12

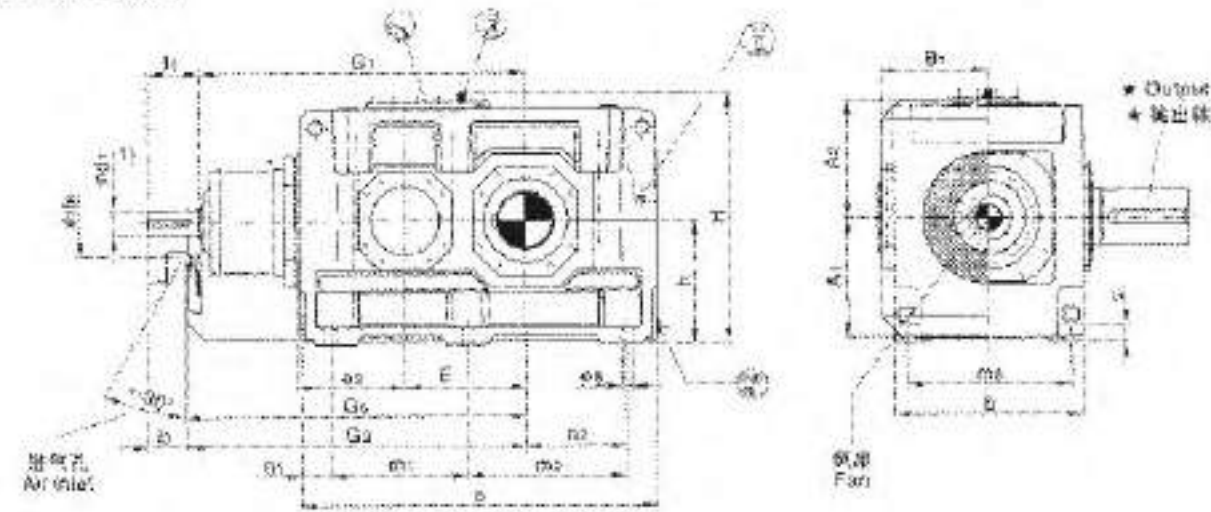
规格 Size	尺寸 mm Dimensions in mm									
	输入轴 Input									
	IN=5-11.2			IN=6.3-14			IN=12.5-18			
	d1 ¹⁾	l1	l3	d1 ¹⁾	l1	l3	d1 ¹⁾	l1	l3	
1	28	55	40				20	50	35	300 315
2	30	70	50				25	60	40	340 360
3	45	100	60				35	80	40	390 410
4	50	100	80							465 485
5	60	110	80							535 565
6				60	110	80				570 600
7	75	135	105							640 670
8				75	135	105				685 715
9	85	165	130							755 790
10				85	165	130				805 840
11	95	165	130							925 960
12				95	165	130				995 1030

规格 Size	尺寸 mm Dimensions in mm											
	齿轮箱 Gear units											
	a	A1	A2	b	B1	c	c1	D5	d6	e3	E	g
1	305	125	130	180	128	18	16 ± 1	12	110	90	90	74
2	355	140	145	205	143	18	20 ± 1	14	110	110	110	82.5
3	405	170	170	225	163	22	24 ± 1	18	120	130	130	88.5
4	505	195	200	270	188	28	30 ± 1	24	150	160	160	105
5	565	220	235	320	215	28	30 ± 1	24	160	185	185	130
6	645	220	235	320	215	28	30 ± 1	24	160	185	220	130
7	690	270	285	360	250	35	36 ± 1	28	210	225	225	154
8	795	270	285	380	250	35	36 ± 1	28	210	225	270	154
9	820	310	325	440	270	40	48 ± 1.5	36	195	265	265	172
10	920	310	325	440	270	40	48 ± 1.5	36	195	265	315	172
11	975	370	385	530	328	50	54 ± 1.5	40	210	320	320	211
12	1130	370	385	530	328	50	54 ± 1.5	40	210	320	390	211

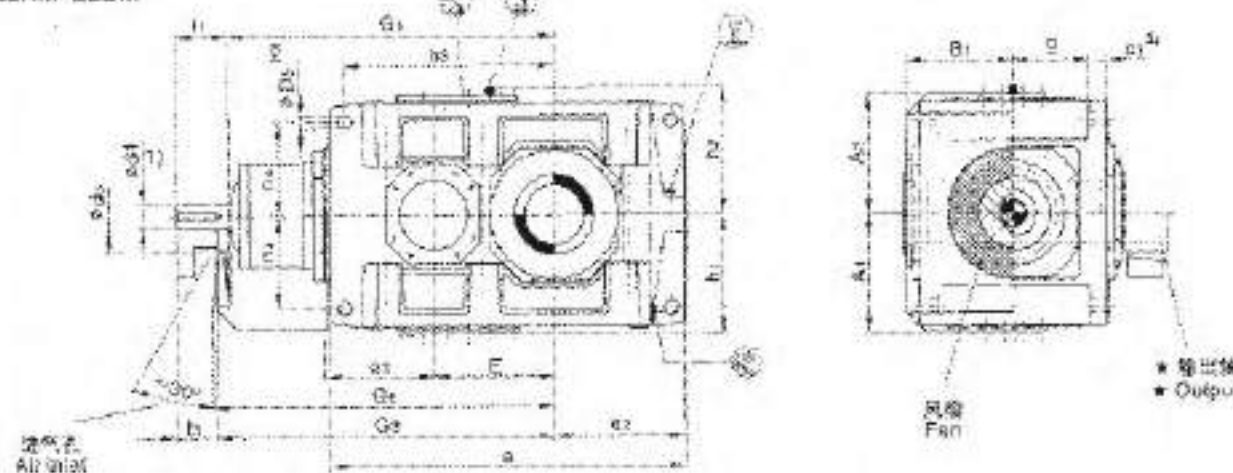
规格 Size	尺寸 mm Dimensions in mm										
	齿轮箱 Gear Units										
	G6	h	h5	H	m1	m3	n1	n2	n3	n4	s
1	325	130	80	275	185	155	60	70	160	105	12
2	370	145	90	305	225	180	65	75	195	115	12
3	420	175	90	360	245	195	80	85	235	132.5	15
4	495	200	80	415	295	235	105	85	285	150	19
5	575	230	150	482	355	285	105	100	330	180	19
6	610	230	150	482	435	285	105	145	365	180	19
7	685	280	180	582	450	340	120	130	405	215	24
8	730	280	190	582	555	340	120	190	450	215	24
9	805	320	205	662	530	390	145	155	480	245	28
10	855	320	215	662	630	390	145	205	530	245	28
11	980	380	240	790	645	470	165	180	580	300	35
12	1050	380	250	790	800	470	165	265	650	300	35

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)
	输出轴 Output										
	B2SH			B2HH		B2DH					
	d2 ¹⁾	G2	l2	D2 ¹⁾	G4	G3	G4	G4	G5		
1	45	120	80	-	-	-	-	-	-	2	65
2	55	135	110	55	135	60	60	135	180	4	90
3	65	145	140	65	145	70	70	145	200	6	140
4	80	170	170	80	170	85	85	170	235	10	235
5	100	200	210	95	200	100	100	200	275	16	360
6	110	200	210	105	200	110	110	200	275	19	410
7	120	235	210	115	235	120	120	235	320	31	615
8	130	235	250	125	235	130	130	235	325	34	700
9	140	270	250	135	270	140	145	270	385	48	1000
10	160	270	300	150	270	150	155	270	385	50	1155
11	170	320	300	165	320	165	170	320	450	80	1640
12	180	320	300	180	320	180	185	320	455	95	1910

B2SH B2HH B2DH



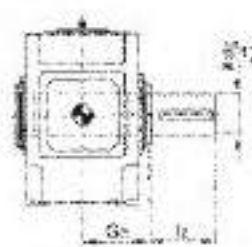
B2HM B2DM



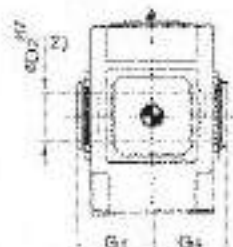
★ 输出轴 Output

布置形式 Design

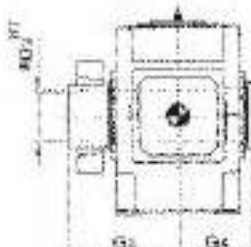
B2SH
实心轴
Solid shaft



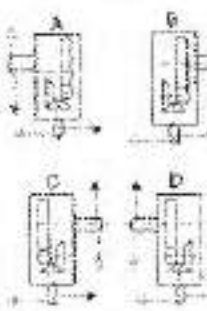
B2HH, B2HM
空心轴
Hollow shaft



B2DH, B2DM
带胀紧套的空心轴
Hollow shaft for shrink disc



输出轴
Output



注: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) 键槽 GB/T1095-1979.
3) 扭力支撑位于工作机侧。

Note: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side.

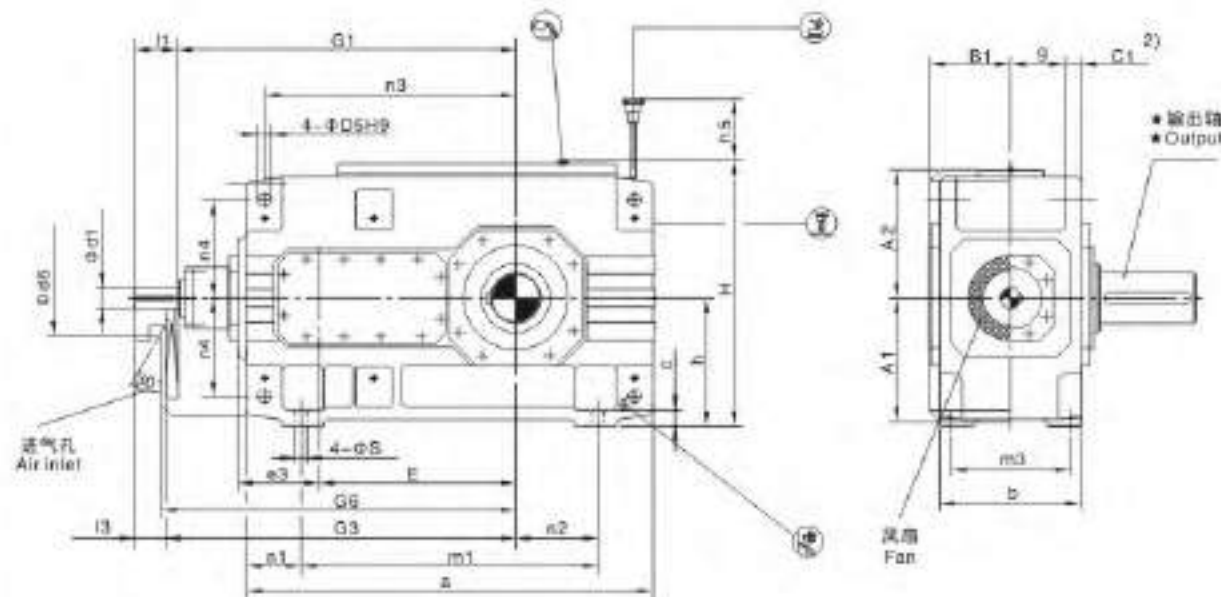
规格 Size	尺寸 mm Dimensions in mm																
	输入轴 Input																
	IN=5-11.2			IN=5.8-11.2			IN=5.8-12.5			IN=6.3-14			IN=7.1-12.5			G1	G3
	d1"	f1	i3	d1"	f1	i3	d1"	f1	i3	d1"	f1	i3	d1"	f1	i3		
13	115	205	165													1070	1110
14										115	205	165				1140	1180
15	140	245	200													1277	1322
16							140	245	200							1323	1368
17				150	245	200										1435	1480
18													150	245	200	1495	1540

规格 Size	尺寸 mm Dimensions in mm												
	齿轮箱 Gear units												
	a	A1	A2	b	B1	c	c1	d6	D5	e2	e3	E	g
13	1130	430	450	655	375	60	61±2	245	48	405	380	370	264
14	1270	430	450	655	375	60	61±2	245	48	475	380	440	264
15	1350	490	495	765	435	70	72±2	280	55	485	450	442	308
16	1440	490	495	765	435	70	72±2	280	55	530	450	488	308
17	1490	540	555	885	505	80	81±2	380	65	525	510	490	356
18	1610	540	555	885	505	80	81±2	380	65	585	510	550	356

规格 Size	尺寸 mm Dimensions in mm												
	齿轮箱 Gear units												
	G6	h	h1	h2	H	m1	m2	m3	n1	n2	n3	n4	s
13	1130	440	450	460	900	465	465	580	100	305	675	340	35
14	1200	440	450	460	900	465	605	580	100	375	745	340	35
15	1340	500	490	500	1000	555	555	670	120	365	805	375	42
16	1385	500	490	500	1000	555	645	670	120	410	850	375	42
17	1500	550	555	560	1110	610	610	780	135	390	895	420	48
18	1560	550	555	560	1110	610	730	780	135	450	955	420	48

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight (kg)	
	输出轴 Output									B2.H	B2.M		
	B2SH			B2HH B2HM		B2DH B2DM				轴封 (L) Shaft seal			
	d2"	G2	i2	D2"	G4	D3	D4	G4	G5				
13	200	390	350	-	-	-	-	-	-	140	120	2450	2350
14	210	390	350	210	390	210	215	390	535	155	130	2825	2725
15	230	460	410	-	-	-	-	-	-	220	180	3990	3795
16	240	460	410	240	450	240	245	450	620	230	190	4345	4160
17	250	540	410	-	-	-	-	-	-	320	260	5620	5320
18	270	540	470	275	510	280	285	510	700	335	275	6150	5860

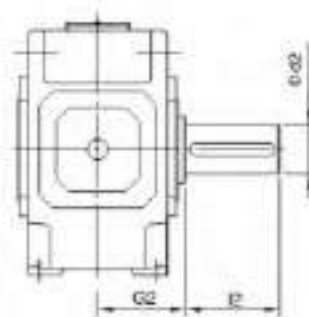
B3SH B3HH B3DH



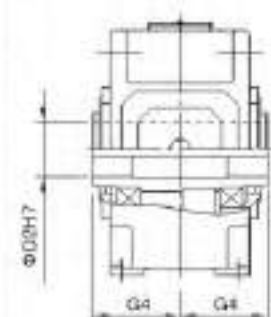
★ 输出轴 Output

布置形式 Design

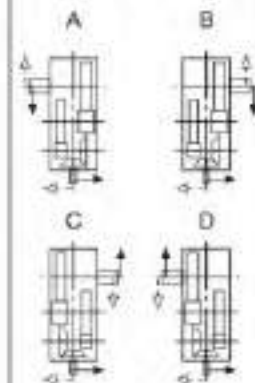
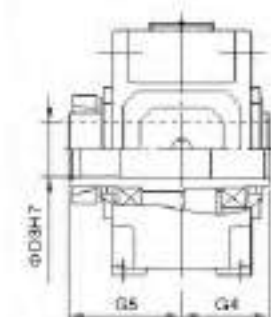
B3SH
实心轴
Solid shaft



B3HH, B3HH
空心轴
Hollow shaft



B3DH, B3DH
带胀紧套的空心轴
Hollow shaft for shrink disk



注: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) 扭力支撑位于工作机侧。

Note: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) Torque support on driven machine side.

规格 Size	尺寸 mm Dimensions in mm																
	输入轴 Input																
	IN=12.5-45			IN=16-56			IN=20-45			IN=50-71			IN=63-90			G1	G3
d1'	l1	l3	d1'	l1	l3	d1'	l1	l3	d1'	l1	l3	d1'	l1	l3			
3							35	80	60	25	50	30				430	450
4	35	80	60							30	60	40				500	530
5	45	110	80							35	80	50				575	605
6				45	110	80							35	80	50	610	640
7	50	110	90							40	80	60				690	710
8				50	110	90							40	80	60	735	755
9	60	140	110							50	110	80				800	830
10				60	140	110							50	110	80	850	880
11	75	140	110							60	140	110				965	995
12				75	140	110							60	140	110	1035	1065

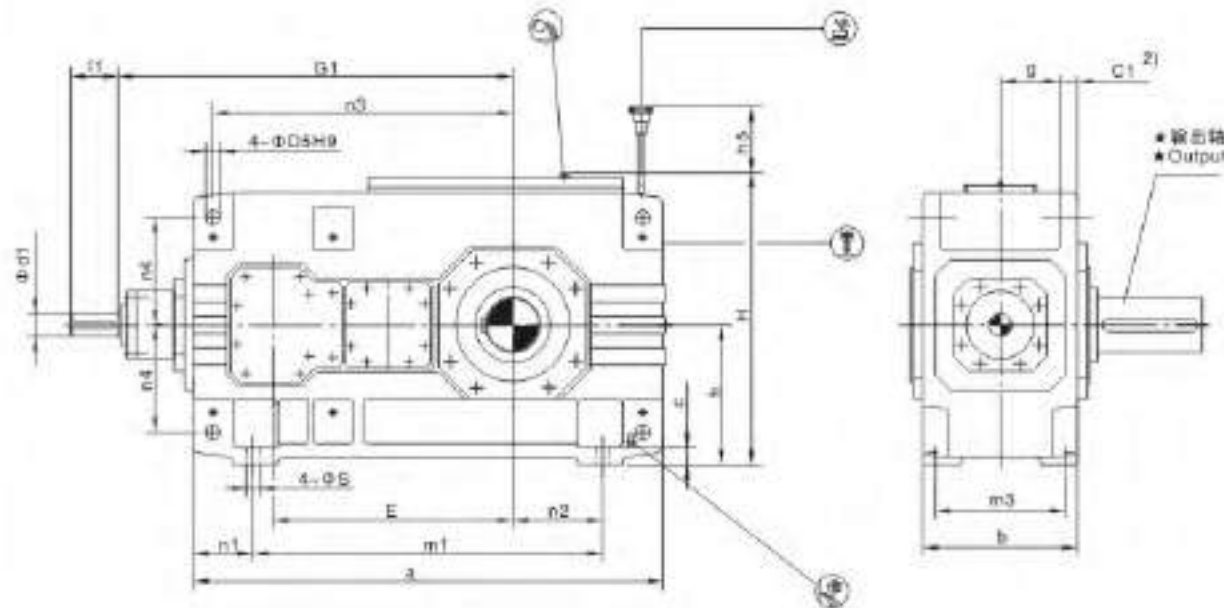
规格 Size	尺寸 mm Dimensions in mm												
	齿轮箱 Gear units												
	a	A1	A2	b	B1	c	c1	d6	D5	e3	E	g	
3	450	170	170	190	126	22	24±1	90	18	90	220	71	
4	565	195	200	215	143	26	30±1	110	24	110	270	77.5	
5	640	220	235	255	168	28	30±1	130	24	130	315	97.5	
6	720	220	235	255	166	28	30±1	130	24	130	350	97.5	
7	785	275	275	300	193	35	36±1	165	28	160	385	114	
8	890	275	275	300	193	35	36±1	165	28	160	430	114	
9	925	315	325	370	231	40	45±1.5	175	36	185	450	140	
10	1025	315	325	370	231	40	45±1.5	175	36	185	500	140	
11	1105	370	365	430	263	50	54±1.5	190	40	225	545	161	
12	1260	370	365	430	263	50	54±1.5	190	40	225	615	161	

规格 Size	尺寸 mm Dimensions in mm											
	齿轮箱 Gear units											
	G6	h	h5	H	m1	m3	n1	n2	n3	n4	s	
3	455	175	100	360	290	160	80	65	285	132.5	15	
4	530	200	100	415	355	180	105	85	345	150	19	
5	605	230	130	482	430	220	105	100	405	180	19	
6	640	230	130	482	510	220	105	145	440	180	19	
7	720	280	170	572	545	260	120	130	500	215	24	
8	765	280	160	582	650	260	120	190	545	215	24	
9	845	320	175	682	635	320	145	195	585	245	28	
10	895	320	175	682	735	320	145	205	635	245	28	
11	1010	380	220	792	775	370	165	180	710	300	35	
12	1090	380	210	790	930	370	165	265	780	300	35	

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)
	输出轴 Output										
	B3SH			B3HH		B3DH					
	d2"	G2	l2	D2"	G4	D3	D4	G4	G5		
3	65	125	140	65	125	70	70	125	180	6	130
4	80	140	170	80	140	85	85	140	205	9	210
5	100	165	210	95	165	100	100	165	240	14	325
6	110	165	210	105	165	110	110	165	240	15	380
7	120	195	210	115	195	120	120	195	280	25	560
8	130	195	250	125	195	130	130	195	285	28	635
9	140	235	250	135	235	140	145	235	330	40	890
10	160	235	300	150	235	150	155	235	350	42	1020
11	170	270	300	165	270	165	170	270	400	66	1455
12	180	270	300	185	270	180	185	270	405	72	1730

直交轴齿轮箱 Bevel-helical Gear Units 四级传动 Four Stage 卧式安装 Horizontal
类型B4.H Types B4.H 规格5...12 Sizes 5...12

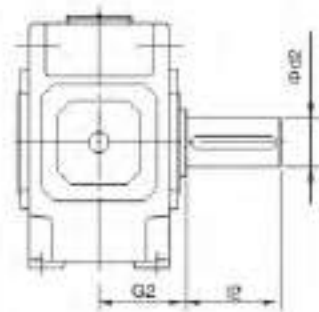
B4SH B4HH B4DH



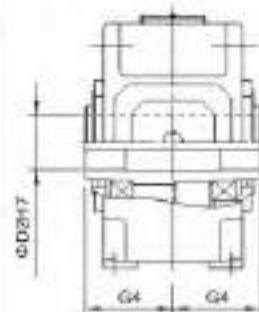
★ 输出轴 Output

布置形式 Design

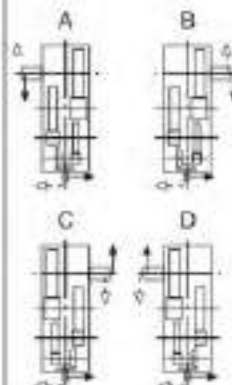
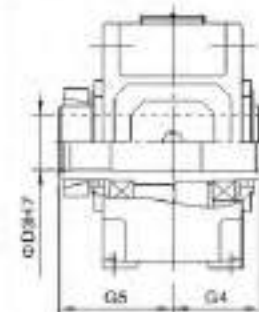
B4SH
实心轴
Solid shaft



B4HH, B4HM
空心轴
Hollow shaft



B4DH, B4DM
带胀紧套的空心轴
Hollow shaft for shrink disk



注: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) 扭力支撑位于工作机侧

Note: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) Torque support on driven machine side

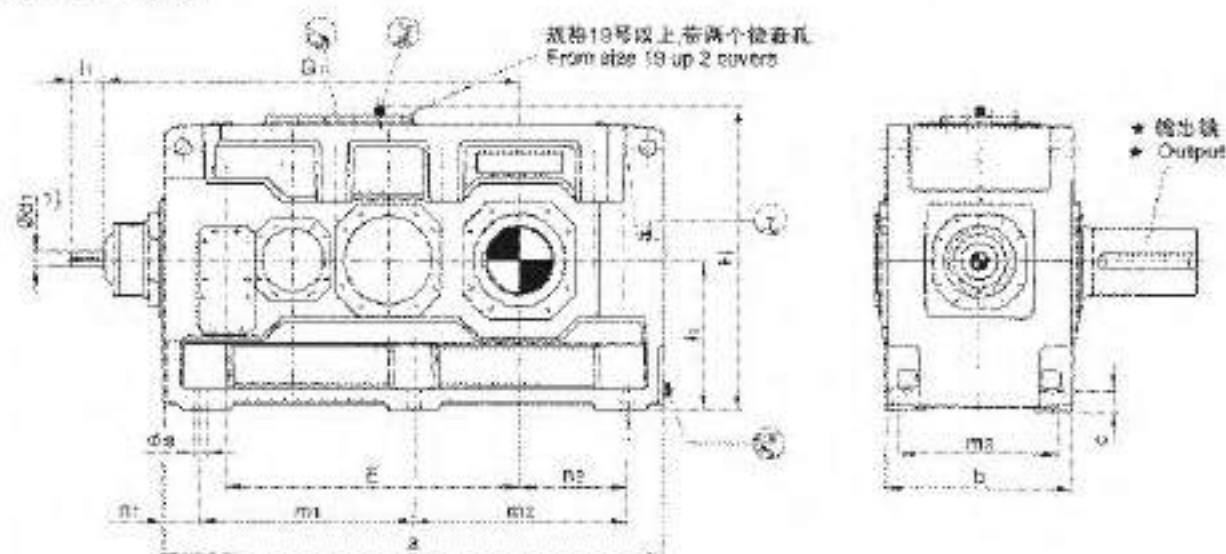
直交轴齿轮箱 Bevel-helical Gear Units 四级传动 Four Stage 卧式安装 Horizontal
类型B4.H Types B4.H 规格5...12 Sizes 5...12

规格 Size	尺寸 mm Dimensions in mm								
	输入轴 Input								
	IN=80-180		IN=100-224		IN=200-315		IN=250-400		G1
	d1 ¹⁾	l1	d1 ¹⁾	l1	d1 ¹⁾	l1	d1 ¹⁾	l1	
5	35	80			25	50			615
6			35	80			25	50	650
7	35	80			30	60			725
8			35	80			30	60	770
9	45	110			35	80			840
10			45	110			35	80	890
11	50	110			40	80			1010
12			50	110			40	80	1080

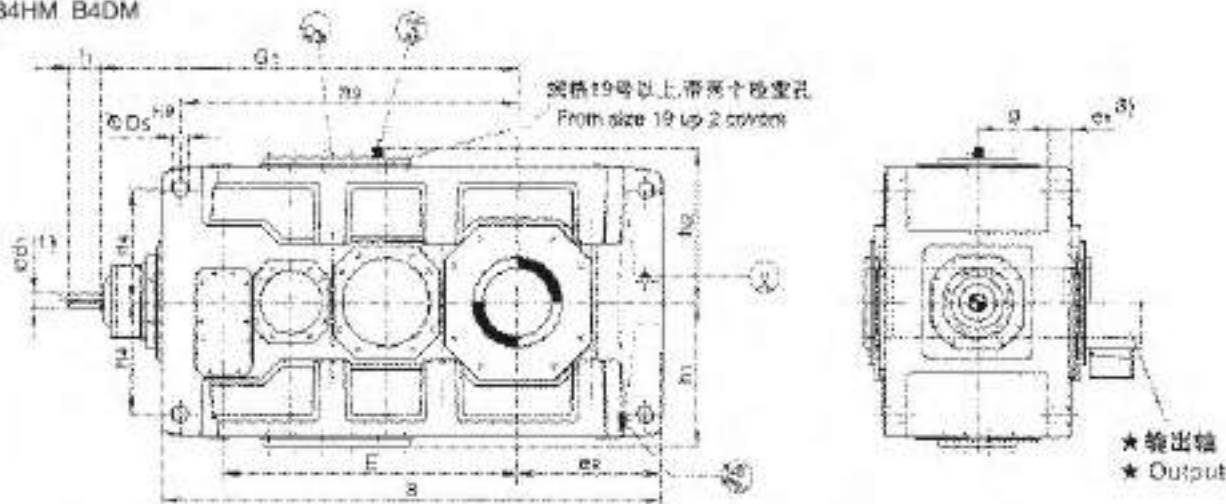
规格 Size	尺寸 mm Dimensions in mm																
	齿轮箱 Gear units																
	a	b	c	c1	D5	E	g	h	h5	H	m1	m3	n1	n2	n3	n4	s
5	690	255	28	30±1	24	405	97.5	230	100	482	480	220	105	100	455	180	19
6	770	255	28	30±1	24	440	97.5	230	100	482	560	220	105	145	480	180	19
7	845	300	35	36±1	28	495	114	280	140	572	605	260	120	130	560	215	24
8	950	300	35	36±1	28	540	114	280	130	582	710	260	120	190	605	215	24
9	1000	370	40	45±1.5	36	580	140	320	135	662	710	320	145	155	660	245	28
10	1100	370	40	45±1.5	36	630	140	320	135	662	810	320	145	205	710	245	28
11	1200	430	50	54±1.5	40	705	161	380	170	782	870	370	165	180	805	300	35
12	1355	430	50	54±1.5	40	775	161	380	160	790	1025	370	165	265	875	300	35

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)
	输出轴 Output										
	B4SH			B4HH		B4DH					
	d2 ¹⁾	G2	l2	D2 ¹⁾	G4	D3	D4	G4	G5		
5	100	165	210	95	165	100	100	165	240	16	335
6	110	165	210	105	165	110	110	165	240	18	385
7	120	195	210	115	195	120	120	195	280	30	555
8	130	195	250	125	195	130	130	195	285	33	655
9	140	235	250	135	235	140	145	235	330	48	890
10	160	235	300	150	235	150	155	235	350	50	1025
11	170	270	300	165	270	165	170	270	400	80	1485
12	180	270	300	180	270	180	185	270	405	90	1750

B4SH B4HH B4DH



B4HM B4DM



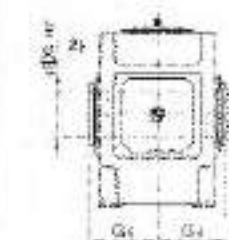
★ 输出轴 Output

布置形式 Design

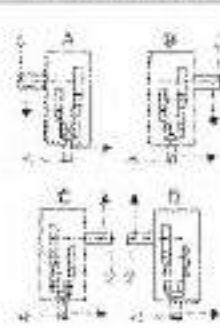
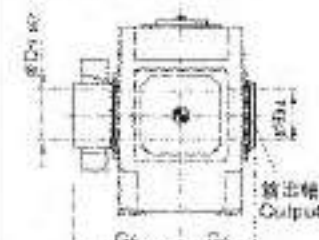
實心軸
Solid shaft



空心轴
Hollow shaft



BADH, BADM
荷蘭製造的空心軸
Hollow shaft for shrink disk



注: 1) $k_8 \leq \phi 50$ $m_6 > \phi 50$
2) 键槽 GB/T1095-1979。
3) 扭力支撑位于工作机侧。

Note: 1) $k_6 \leq \Phi 50$ $m_6 > \Phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side.

直交轴齿轮箱 Bevel-helical Gear Units
类型B4.H.B4.M Types B4.H.B4.M

四级传动 Four Stage
规格13...22 Sizes 13...22

卧式安装 Horizontal

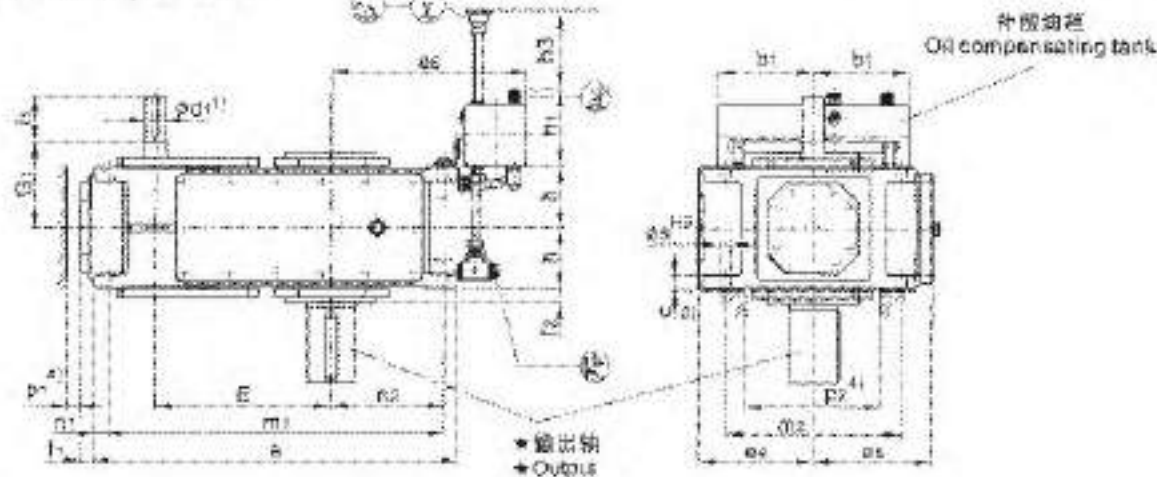
规格 Size	尺寸 mm Dimensions in mm												
	输入轴 Input												
	iN=80-180		iN=90-200		iN=100-224		iN=200-315		iN=224-355		iN=250-400		G1
	d1 ¹⁾	fl	d1 ¹⁾	fl	d1 ¹⁾	fl	d1 ¹⁾	fl	d1 ¹⁾	fl		fl	
13	60	110					50	100					1170
14					60	110					50	100	1240
15	75	135					60	110					1402
16			75	135					60	110			1448
17	75	135					60	110					1450
18			75	135					60	110			1510
19	85	165					70	140					1680
20			85	165					70	140			1740
21	95	165					75	140					1992
22			95	165					75	140			2040

规格 Size	尺寸 mm Dimensions in mm									
	齿轮副 Gear units									
	a	b	c	c1	D5	a2	E	g	h	h1
13	1395	550	60	61 ± 2	48	405	820	211.5	440	450
14	1535	550	60	61 ± 2	48	475	890	211.5	440	450
15	1680	625	70	72 ± 2	55	485	987	238	500	490
16	1770	625	70	72 ± 2	55	530	1033	238	500	490
17	1770	690	80	81 ± 2	55	525	1035	259	550	555
18	1890	690	80	81 ± 2	55	585	1095	259	550	555
19	2030	790	90	91 ± 2	65	590	1190	299	620	615
20	2150	790	90	91 ± 2	65	650	1250	299	620	615
21	2340	830	100	100 ± 2	75	655	1387	310	700	685
22	2450	830	100	100 ± 2	75	710	1442	310	700	685

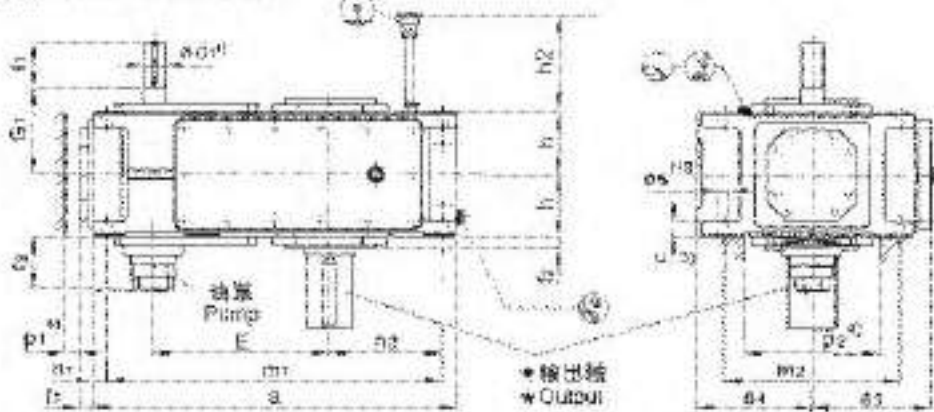
规格 Size	尺寸 mm : Dimensions in mm									
	齿轮箱 Gear units									
	n2	H	m1	m2	m3	n1	n2	n3	n4	s
13	460	800	597.5	597.5	475	100	305	940	340	35
14	460	800	597.5	737.5	475	100	375	1010	340	35
15	500	1000	720	720	535	120	365	1135	375	42
16	500	1000	720	810	535	120	410	1180	375	42
17	560	1110	750	750	600	135	390	1175	425	42
18	560	1110	750	870	600	135	450	1235	425	42
19	620	1240	860	860	690	155	435	1365	475	48
20	620	1240	860	980	690	155	495	1425	475	48
21	690	1390	1000	1000	720	170	485	1615	520	56
22	690	1390	1000	1110	720	170	540	1670	520	56

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)		重量 Weight (kg)	
	输出轴 Output												
	B4SH			B4HH B4HM		B4DH B4DM				B4.H	B4.M	B4.H	B4.M
	d2 ¹	G2	I2	D2 ²	G4	D3	D4	G4	G5	(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	145	120	2395	2280
14	210	335	350	210	335	210	215	335	480	150	125	2735	2805
15	230	380	410	230	380	230	235	380	550	230	170	3630	3435
16	240	380	410	240	380	240	245	380	550	235	175	3985	3765
17	250	415	410	250	415	250	260	415	600	295	230	4695	4460
18	270	415	470	275	415	280	285	415	600	305	235	5200	4930
19	290	465	470	-	-	285	295	465	670	480	440	6800	6300
20	300	465	500	-	-	310	315	465	670	550	510	8200	7700
21	320	490	500	-	-	330	335	490	715	540	590	9200	8600

H2SV H2HV H2DV
采用浸油润滑 With dip lubrication



H2SV H2HV H2DV
采用强制润滑 With forced lubrication



★ 输出轴 Output

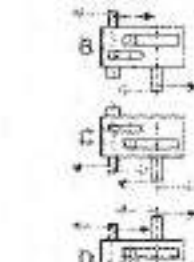
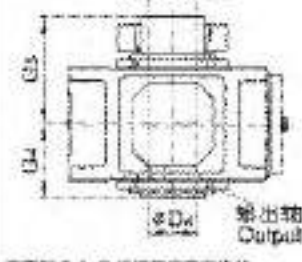
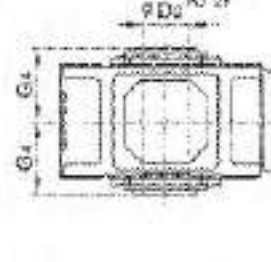
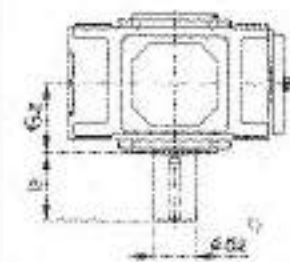
布置形式 Design

H2SV
实心轴
Solid shaft

H2HV
空心轴
Hollow shaft

H2DV
带胀紧套的空心轴
Hollow shaft for shrink disk

油泵
Pump



注: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) 键槽 GB/T1095-1979.
3) 扭力支撑位于工作机侧。
4) 有关油泵、油管和护罩的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

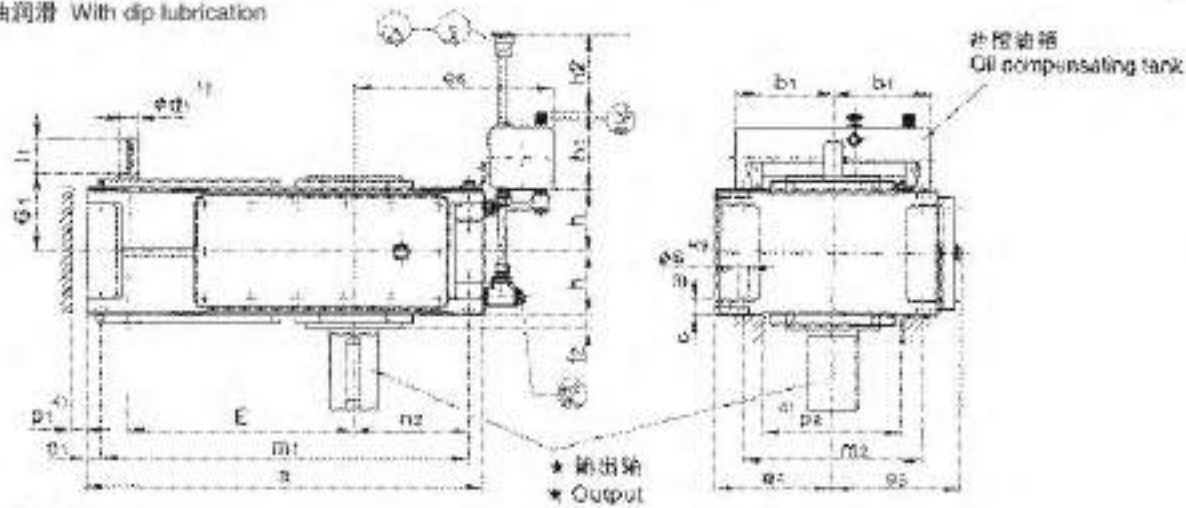
规格 Size	尺寸 mm Dimensions in mm								
	输入轴 Input								
	iN=6.3-11.2		iN=8-14		iN=12.5-22.4		iN=16-28		G1
	d1	l1	d1	l1	d1	l1	d1	l1	
3	45	100			35	80			135
4	50	100			40	80			170
5	50	100			38	80			195
6			50	100			38	80	195
7	60	135			50	110			210
8			60	135			50	110	210
9	75	140			60	140			240
10			75	140			60	140	240
11	90	165			70	140			275
12			90	165			70	140	275

规格 Size	尺寸 mm Dimensions in mm									
	齿轮箱 Gear units									
	a	b1	c	e4	e5	e6	E	f1	f2	f3
3	450	150	24 ± 1	175	185	290	220	28	20	-
4	565	150	30 ± 1	200	215	320	270	28	22	-
5	640	240	30 ± 1	230	252	385	315	38	28	150
6	720	240	30 ± 1	230	252	425	350	38	28	150
7	785	240	30 ± 1	280	292	425	385	42	30	145
8	890	240	36 ± 1	280	302	485	430	42	32	145
9	925	330	45 ± 1.5	320	342	560	450	42	32	135
10	1025	330	45 ± 1.5	320	342	610	500	42	32	135
11	1105	330	54 ± 1.5	380	402	595	545	48	35	145
12	1260	330	54 ± 1.5	380	410	680	615	48	35	145

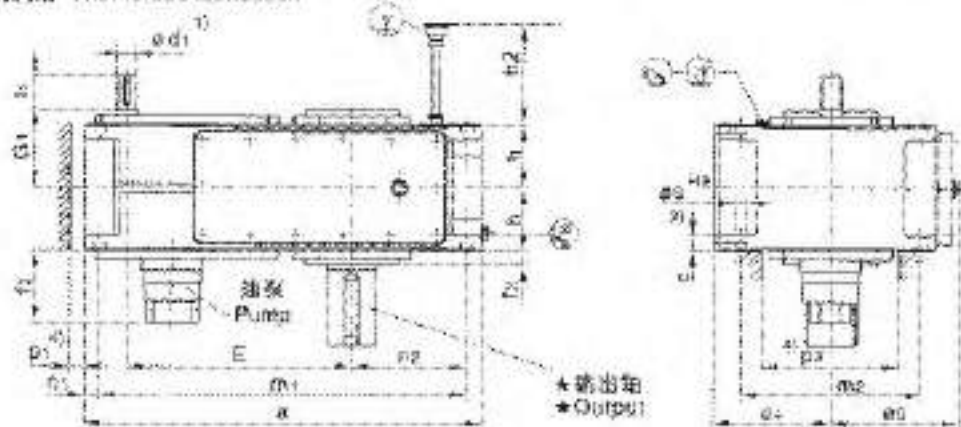
规格 Size	尺寸 mm Dimensions in mm										
	齿轮箱 Gear units										
	h	h1	h2	h3	m1	m2	n1	n2	p1	p2	s
3	95	165	-	180	410	265	20	125	35	210	18
4	107.5	165	-	180	505	300	30	160	35	220	24
5	127.5	205	190	240	580	360	30	175	35	270	24
6	127.5	205	190	240	660	360	30	220	35	270	24
7	150	205	165	250	715	430	35	215	35	330	28
8	150	205	165	250	820	430	35	275	35	330	28
9	185	275	205	330	845	490	40	260	40	370	36
10	185	275	205	330	945	490	40	310	40	370	36
11	215	275	240	340	1005	600	50	295	50	440	40
12	215	275	240	340	1160	600	50	380	50	440	40

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight (kg)
	输出轴 Output									浸油润滑 Dip lubrication (L)	强制润滑 Forced lubrication (L)	
	H2SV			H2HV		H2DV						
	d2 ¹	G2	l2	D2 ²	G4	D3	D4	G4	G5			
3	65	125	140	65	125	70	70	125	180	14	-	115
4	80	140	170	80	140	85	85	140	205	25	-	190
5	100	165	210	95	165	100	100	165	240	23	10	300
6	110	165	210	105	165	110	110	165	240	27	11	355
7	120	185	210	115	185	120	120	185	280	58	22	505
8	130	195	250	125	195	130	130	195	285	62	25	590
9	140	235	250	135	235	140	145	235	330	100	42	830
10	160	235	300	150	235	150	155	235	350	110	46	960
11	170	270	300	165	270	165	170	270	400	160	60	1335
12	180	270	300	180	270	180	185	270	405	180	70	1615

H3SV H3HV H3DV
采用浸油润滑 With dip lubrication



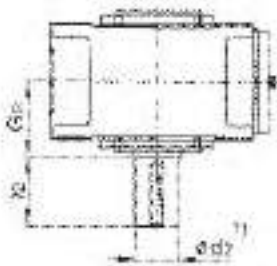
H3SV H3HV H3DV
采用强制润滑 With forced lubrication



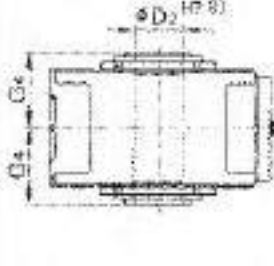
★ 输出轴 Output

布置形式 Design

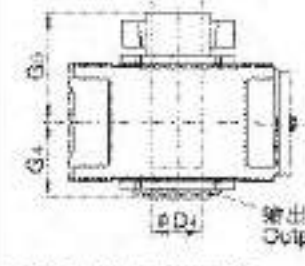
H3SV
实心轴
Solid shaft



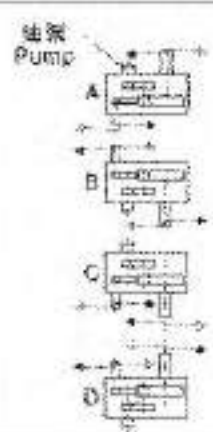
H3HV
空心轴
Hollow shaft



H3DV
带胀紧套的空心轴
Hollow shaft for shrink disk



布置形式 A-D 根据用户要求设计
Design A-D on request



注: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) 键槽 GB/T1095-1979.
3) 扭力支撑位于工作机侧。
4) 有关油泵、油管和护罩的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

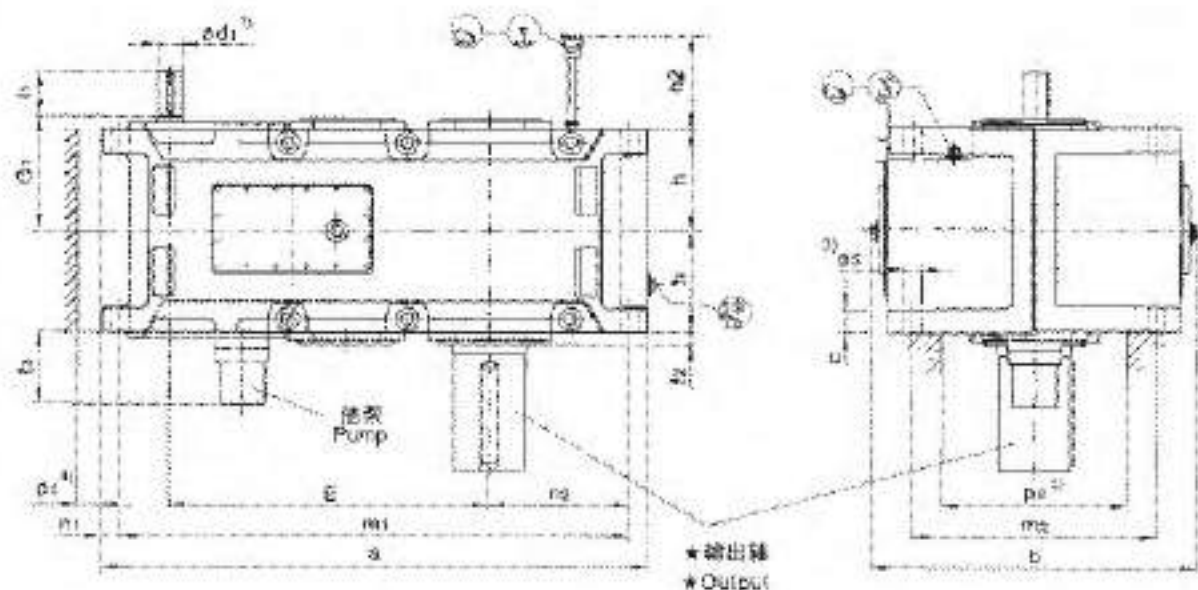
规格 Size	尺寸 mm Dimensions in mm											
	输入轴 Input											
	IN=24-45		IN=31.5-56		IN=50-63		IN=63-80		IN=71-90		IN=90-112	
	d1"	l1	d1"	l1	d1"	l1	d1"	l1	d1"	l1	d1"	l1
5	40	80			30	60			24	60		
6			40	80			30	60			24	60
7	45	110			35	80			28	70		
8			45	110			35	80			28	70
9	60	140			45	110			32	90		
10			60	110			45	110			32	90
11	70	140			50	110			42	100		
12			70	140			50	110			42	100

规格 Size	尺寸 mm Dimensions in mm									
	齿轮箱 Gear units									
	a	b1	c	e4	e5	e6	E	g2	g3	h
5	690	240	30 ± 1	230	252	385	406	28	190	127.5
6	770	240	30 ± 1	230	252	425	440	28	190	127.5
7	845	240	36 ± 1	280	292	425	495	30	185	150
8	950	240	36 ± 1	280	312	485	540	32	185	150
9	1000	330	45 ± 1.5	320	342	560	580	32	170	185
10	1100	330	45 ± 1.5	320	342	610	630	32	170	185
11	1200	330	54 ± 1.5	380	402	595	706	35	170	215
12	1355	330	54 ± 1.5	380	410	680	775	35	170	215

规格 Size	尺寸 mm Dimensions in mm									
	齿轮箱 Gear units									
	n1	n2	n3	m1	m2	n1	n2	p1"	p2"	s
5	205	190	240	630	360	30	175	35	270	24
6	205	190	240	710	360	30	220	35	270	24
7	205	165	250	775	430	35	215	35	330	28
8	205	165	250	880	430	35	275	35	330	28
9	275	205	330	920	490	40	260	40	370	36
10	275	205	330	1020	490	40	310	40	370	36
11	275	240	340	1100	600	50	295	50	440	40
12	275	240	340	1255	600	50	380	50	440	40

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight (kg)
	输出轴 Output									浸油润滑 Dip lubrication (L)	强制润滑 Forced lubrication (L)	
	H3SV			H3HV		H3DV						
	d2 ¹	G2	l2	D2 ²	G4	D3	D4	G4	G5			
5	100	165	210	95	165	100	100	165	240	35	13	320
6	110	165	210	105	165	110	110	165	240	37	15	365
7	120	195	210	115	195	120	120	195	280	60	25	540
8	130	195	250	125	195	130	130	195	285	72	30	625
9	140	235	250	135	235	140	145	235	330	100	40	875
10	160	235	300	150	235	150	155	235	350	110	45	1020
11	170	270	300	165	270	165	170	270	400	170	66	1400
12	180	270	300	180	270	180	185	270	405	190	75	1675

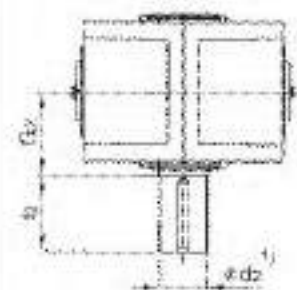
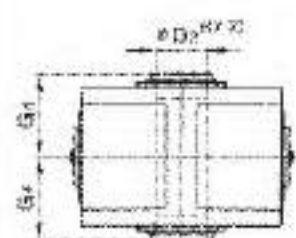
H3SV H3HV H3DV
采用强制润滑 With forced lubrication



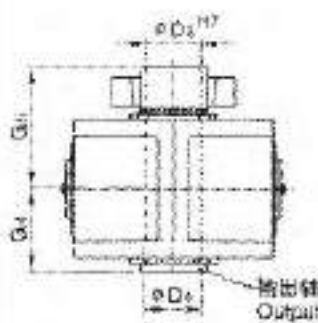
★ 输出轴 Output

布置形式 Design

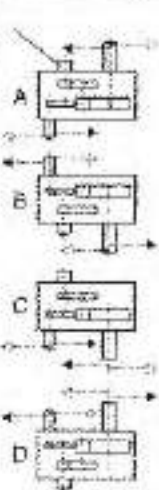
H38V
其心轴
Solid shaft

Hollow shaft
空心轴
Hollow shaft

H30V
帶漲緊盤的空心軸
Hollow shaft for shrink disk



油嘴
Pump



注: 1) $k6 \leq \phi 50$ $m6 \geq \phi 50$
2) 键槽 GB/T 1095-1979。
3) 扭力支撑位于工作侧。
4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

尺寸 mm Dimensions in mm

[illegible]

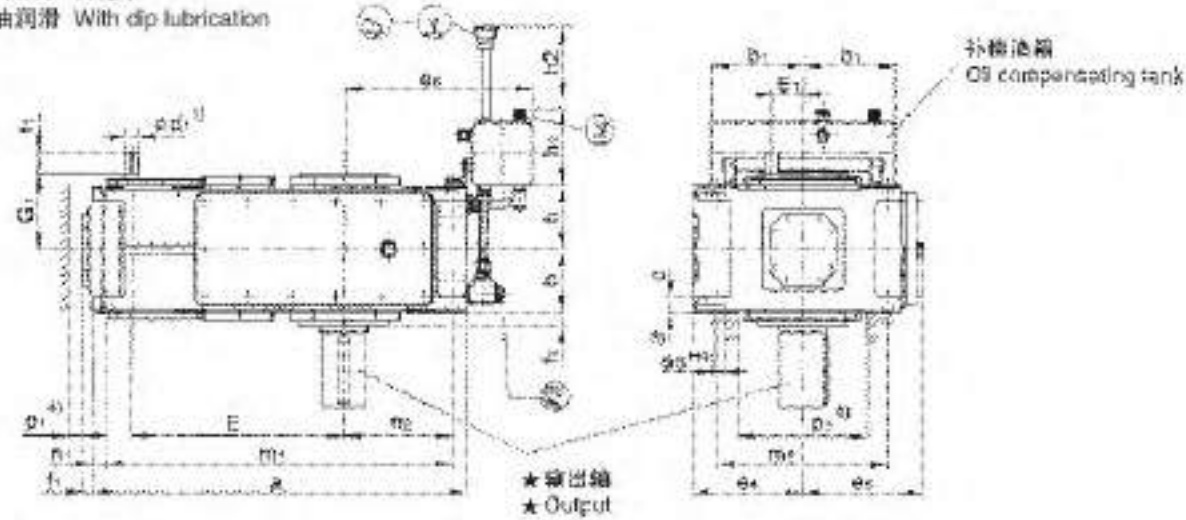
尺寸/mm Dimensions in mm

规格 Size	齿轮箱 Gear units														
	a	b	c	E	e2	f3	h	h2	m1	m2	n1	n2	p1 [*]	p2 [*]	s
13	1395	900	61 ± 2	820	35	170	272.5	300	1300	680	50	360	50	500	48
14	1535	900	61 ± 2	890	35	170	272.5	300	1440	680	50	430	50	500	48
15	1680	980	72 ± 2	987	42	170	310	340	1565	750	60	430	50	570	55
16	1770	980	72 ± 2	1033	42	170	310	340	1655	750	60	475	50	570	55
17	1770	1110	81 ± 2	1035	42	210	340	374	1640	850	70	465	70	630	55
18	1890	1110	81 ± 2	1095	42	210	340	374	1760	850	70	525	70	630	55
19						根据用户需求供货 On request									
20															
21															
22															

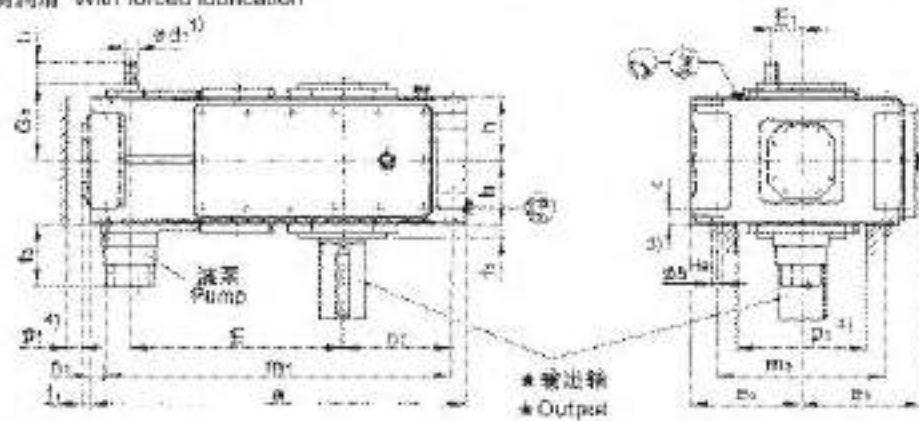
尺寸/mm Dimensions in mm

规格 Size	输出轴 Output									润滑油 Lubrication (L)	重量 Weight (kg)
	H3SV			H3HV		H3DV					
	d2 ¹⁾	G2	I2	D2 ¹⁾	G4	D3	D4	G4	G5		
13	200	335	350	190	335	190	195	335	480	115	2155
14	210	335	350	210	335	210	215	335	480	126	2490
15	230	380	410	230	380	230	235	380	550	180	3260
16	240	380	410	240	380	240	245	380	550	190	3625
17	250	415	410	250	415	250	260	415	600	190	4250
18	270	415	470	275	415	280	285	415	600	200	4740
19					根据用户要求供货 On request						
20											
21											
22											

H4SV H4HV H4DV
采用浸油润滑 With dip lubrication



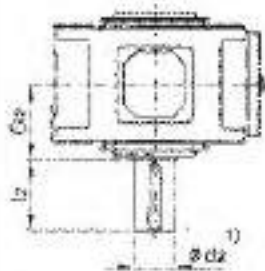
H4SV H4HV H4DV
采用强制润滑 With forced lubrication



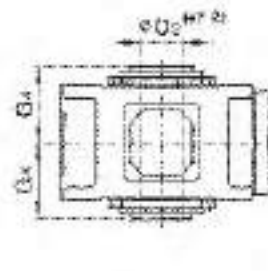
★ 输出轴 Output

布置形式 Design

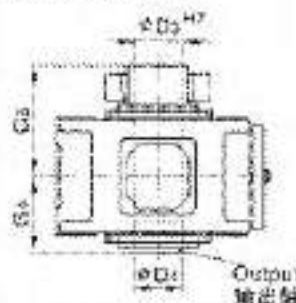
H4SV
实心轴
Solid shaft



H4HV
空心轴
Hollow shaft

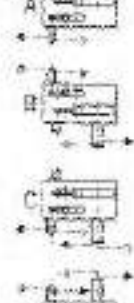


H4DV
带碟形弹簧的空心轴
Hollow shaft for shrink disk



布置形式 A-D 根据用户要求选择
Design A-D on request

油泵
Pump



注: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) 键槽 GB/T1095-1979.
3) 扭力支撑位于工作机侧。
4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k6 \leq \phi 50$ $m6 > \phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side.
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

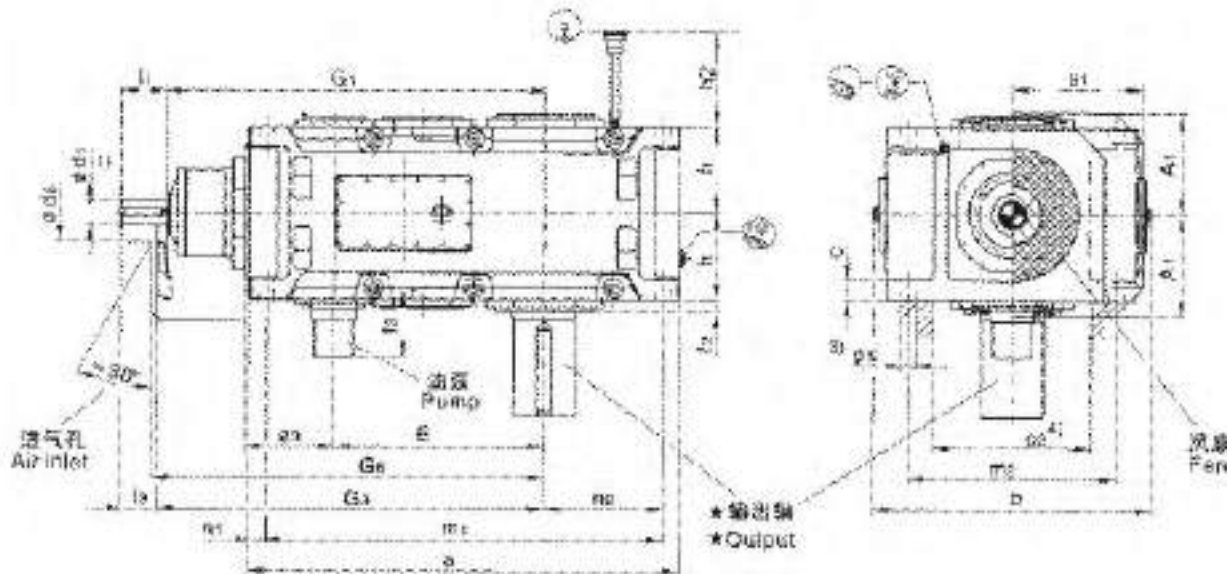
规格 Size	尺寸 mm Dimensions in mm28								
	输入轴 Input								
	IN=100-180		IN=125-224		IN=200-355		IN=250-450		G1
	d1'	l1	d1''	l1	d1''	l1	d1'	l1	
7	30	60			24	50			180
8			30	60			24	50	180
9	35	80			28	60			215
10			35	80			28	60	215
11	45	110			32	80			250
12			45	110			32	80	250

规格 Size	尺寸 mm Dimensions in mm										
	齿轮箱 Gear units										
	a	b1	c	e4	e5	e6	E	E1	l1	l2	l3
7	845	240	36 ± 1	280	292	425	495	80	37	30	160
8	950	240	36 ± 1	280	302	485	540	80	37	32	160
9	1000	330	45 ± 1.5	320	342	560	580	90	43	32	170
10	1100	330	45 ± 1.5	320	342	610	630	90	43	32	170
11	1200	330	54 ± 1.5	380	402	595	705	110	47	35	170
12	1355	330	54 ± 1.5	380	410	680	775	110	47	35	170

规格 Size	尺寸 mm Dimensions in mm										
	齿轮箱 Gear units										
	h	h1	h2	h3	m1	m2	n1	n2	p1'	p2'	s
7	150	205	165	250	775	430	35	215	35	330	28
8	150	205	165	250	880	430	35	275	35	330	28
9	185	275	205	330	920	490	40	260	40	370	36
10	185	275	205	330	1020	490	40	310	40	370	36
11	215	275	240	340	1100	600	50	295	50	440	40
12	215	275	240	340	1255	600	50	380	50	440	40

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight (kg)
	输出轴 Output									浸油润滑 Dip lubrication (L)	强制润滑 Forced lubrication (L)	
	H4SV			H4HV		H4DV						
	d2"	G2	l2	D2"	G4	D3	D4	G4	G5			
7	120	195	210	115	195	120	120	195	280	50	20	550
8	130	195	250	125	195	130	130	195	285	60	25	645
9	140	235	250	135	235	140	145	235	330	95	38	875
10	160	235	300	150	235	150	155	235	350	110	45	1010
11	170	270	300	165	270	165	170	270	400	165	65	1460
12	180	270	300	180	270	180	185	270	405	180	75	1725

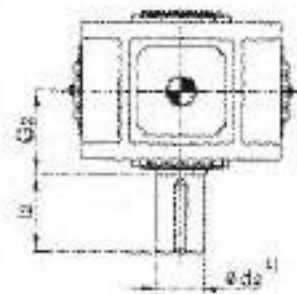
B3SV B3HV B3DV
采用强制润滑 With forced lubrication



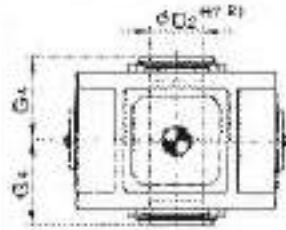
★ 输出轴 Output

布置形式 Design

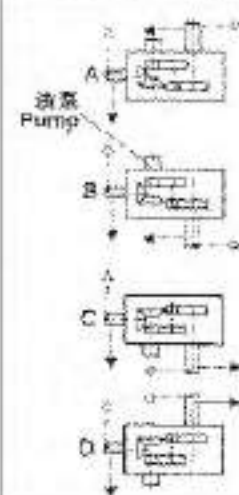
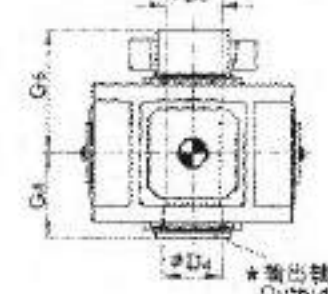
B3SV
实心轴
Solid shaft



B3HV
空心轴
Hollow shaft



B3DV
带弹性套的空心轴
Hollow shaft for shrink disk



注: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) 键槽 GB/T1095-1979。
3) 扭力支撑位于工作机侧。
4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k6 < \phi 50$ $m6 > \phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

规格 Size	尺寸 mm / Dimensions in mm																			
	输入轴 Input																			
	IN=12.5-45			IN=14-50			IN=16-56			IN=50-71			IN=56-80			IN=83-90			G1	G3
d1"	l1	l3	d1"	l1	l3	d1"	l1	l3	d1"	l1	l3	d1"	l1	l3	d1"	l1	l3			
13	85	165	130							70	140	105							1125	1160
14							85	165	130							70	140	105	1195	1230
15	95	165	130							75	140	105							1367	1402
16				95	165	130							75	140	105				1413	1448
17	115	205	165							90	170	130							1560	1600
18				115	205	165							90	170	130				1620	1660
19																				
20										根据用户要求供货 On request										
21																				
22																				

规格 Size	尺寸 mm Dimensions in mm									
	齿轮箱 Gear units									
	a	A1	b	B1	c	d6	e3	E	f2	l3
13	1290	325	900	475	61±2	210	265	635	35	170
14	1430	325	900	475	61±2	210	265	705	35	170
15	1550	365	980	520	72±2	210	320	762	42	170
16	1640	365	980	520	72±2	210	320	808	42	170
17	1740	395	1110	570	81±2	230	370	860	42	170
18	1860	395	1110	570	81±2	230	370	920	42	170
19										
20										
21										
22										

规格 Size	尺寸 mm Dimensions in mm									
	齿轮箱 Gear units									
	G6	h	h2	m1	m2	n1	n2	p2"	s	
13	1180	272.5	300	1195	680	50	360	500	48	
14	1250	272.5	300	1335	680	50	430	500	48	
15	1420	310	340	1435	750	60	430	570	55	
16	1470	310	340	1525	750	60	475	570	55	
17	1620	340	360	1610	850	70	485	630	55	
18	1680	340	360	1730	850	70	525	630	55	
19										
20										
21										
22										

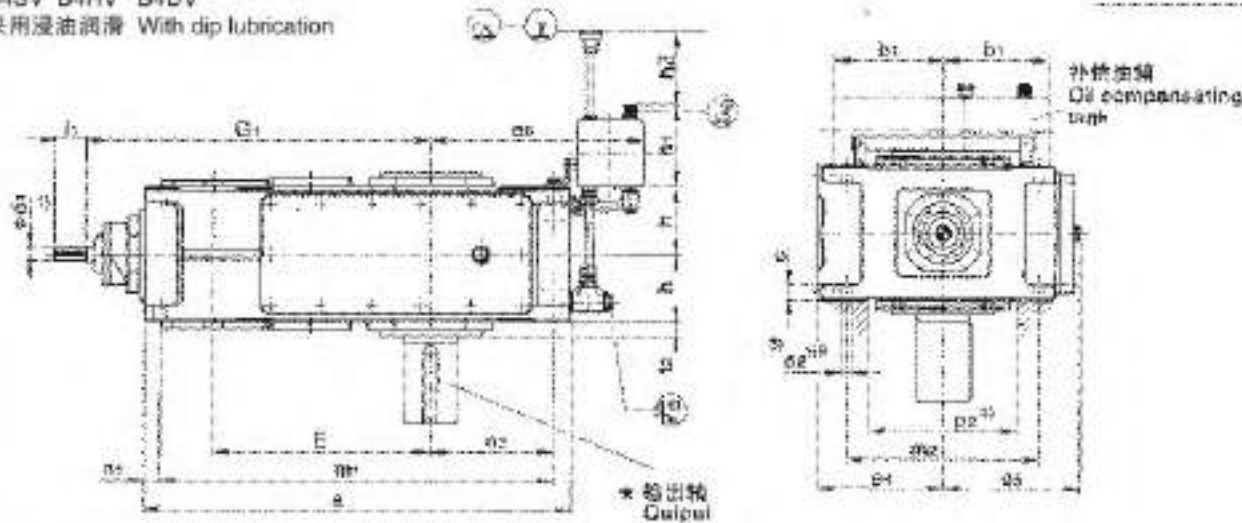
规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)		
	输出轴 Output												
	B3SV			B3HV		B3DV							
	d2"	G2	l2	D2"	G4	D3	D4	G4	G5				
13	200	335	350	190	335	190	195	335	480	95	2260		
14	210	335	350	210	335	210	215	335	480	110	2615		
15	230	380	410	230	380	230	235	380	550	165	3540		
16	240	380	410	240	380	240	245	380	550	190	3765		
17	250	415	410	250	415	250	260	415	600	210	4760		
18	270	415	470	275	415	280	285	415	600	240	5240		
19						根据用户需求供货 On request							
20													
21													
22													

直交轴齿轮箱 Bevel-helical Gear Units
类型B4.V Types B4.V

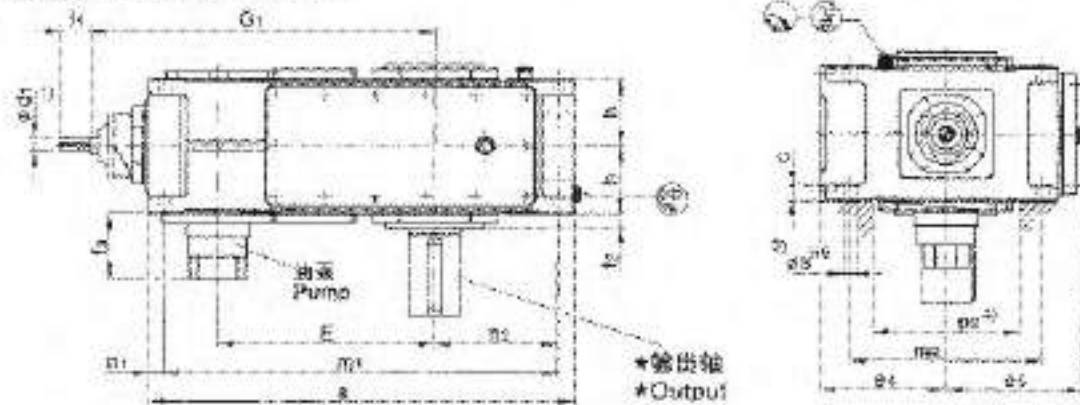
四级传动 Four Stage
规格5...12 Sizes 5...12

立式安装 Vertical

B4SV B4HV B4DV
采用浸油润滑 With dip lubrication



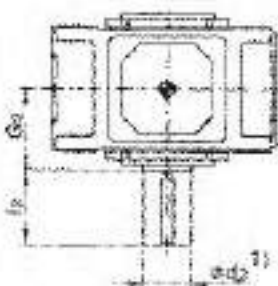
B4SV B4HV B4DV
采用强制润滑 With forced lubrication



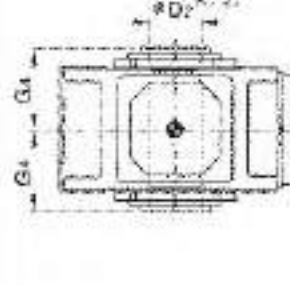
★ 输出轴 Output

布置形式 Design

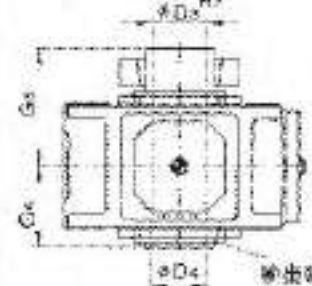
B4SV
实心轴
Solid shaft



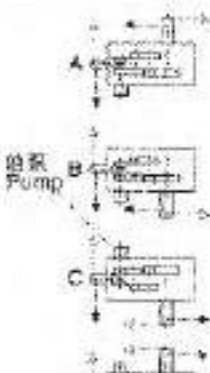
B4HV
空心轴
Hollow shaft



B4DV
带胀紧套的空心轴
Hollow shaft for shrink disk



布置形式 A~D 根据用户要求设计
Design A~D on request



注: 1) $k8 \leq \phi 50$ $m6 > \phi 50$
2) 键槽 GB/T1095-1979.
3) 扭力支撑位于工作机侧。
4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k8 \leq \phi 50$ $m6 > \phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

直交轴齿轮箱 Bevel-helical Gear Units
类型B4.V Types B4.V

四级传动 Four Stage
规格5...12 Sizes 5...12

立式安装 Vertical

规格 Size	尺寸 mm Dimensions in mm								
	输入轴 Input								
	IN=80-180		IN=100-224		IN=200-315		IN=250-400		G1
	d1 ¹⁾	l1	d1 ¹⁾	l1	d1 ¹⁾	l1	d1 ¹⁾	l1	
5	35	80			25	50			615
6			35	55			25	50	650
7	35	80			30	60			725
8			35	80			30	60	770
9	45	110			35	80			840
10			45	110			35	80	890
11	50	110			40	80			1010
12			50	110			40	80	1060

规格 Size	尺寸 mm Dimensions in mm								
	齿轮箱 Gear units								
	a	b1	c	a4	a5	a6	E	t2	t3
5	680	240	30 ± 1	230	252	385	405	28	200
6	770	240	30 ± 1	230	252	425	440	28	200
7	845	240	36 ± 1	280	292	425	495	30	120
8	950	240	36 ± 1	280	302	485	540	32	120
9	1000	330	45 ± 1.5	320	342	560	580	32	120
10	1100	330	45 ± 1.5	320	342	610	630	32	120
11	1200	330	54 ± 1.5	380	402	595	705	35	130
12	1355	330	54 ± 1.5	380	410	680	775	35	130

规格 Size	尺寸 mm Dimensions in mm								
	齿轮箱 Gear units								
	h	h1	h2	h3	m1	m2	n1	n2	p2 ¹⁾
5	127.5	205	190	240	630	360	30	175	270
6	127.5	205	190	240	710	360	30	220	270
7	150	205	165	250	775	430	35	215	330
8	150	205	165	250	880	430	35	275	330
9	165	275	205	330	920	490	40	260	370
10	165	275	205	330	1020	490	40	310	370
11	215	275	240	340	1100	600	50	295	440
12	215	275	240	340	1255	600	50	360	440

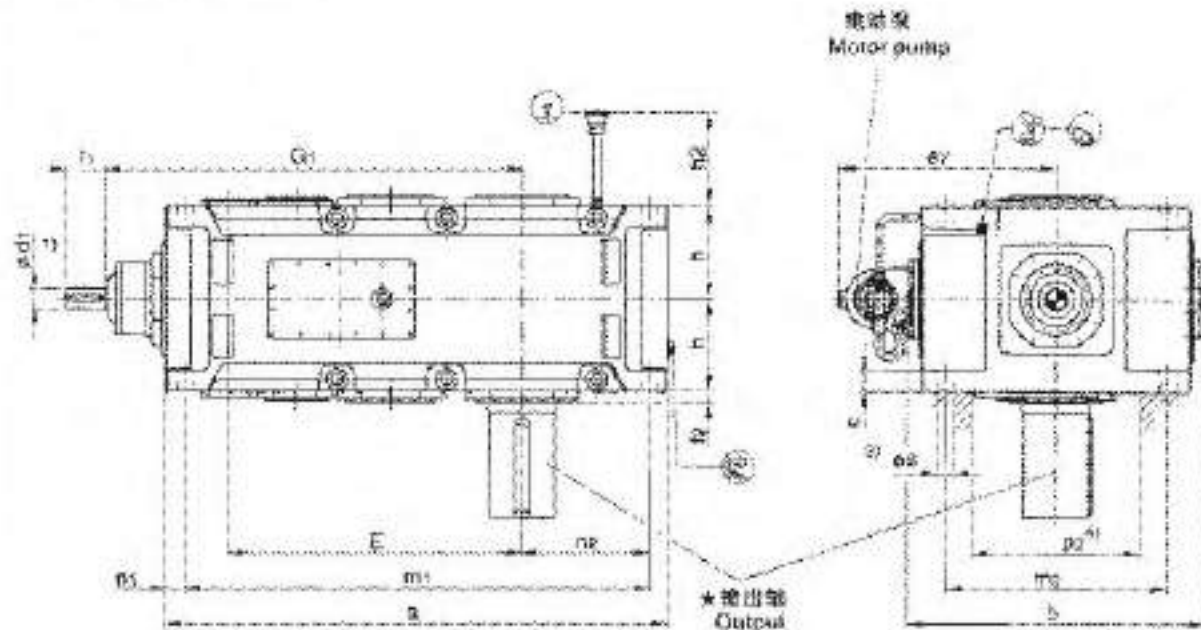
规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication		重量 Weight (kg)
	输出轴 Output									浸油润滑 Dip lubrication (L)	强制润滑 Forced lubrication (L)	
	B4SV			B4HV		B4DV						
	d2 ¹⁾	G2	l2	D2 ¹⁾	G4	D3	D4	G4	G5			
5	100	165	210	95	165	100	100	165	240	36	15	335
6	110	165	210	105	165	110	110	165	240	40	16	365
7	120	195	210	115	195	120	120	195	280	60	30	555
8	130	195	250	125	195	130	130	195	285	70	35	655
9	140	235	250	135	235	140	145	235	330	110	60	890
10	160	235	300	150	235	150	155	235	350	130	67	1025
11	170	270	300	165	270	165	170	270	400	180	75	1485
12	180	270	300	180	270	180	185	270	405	195	85	1750

直交轴齿轮箱 Bevel-helical Gear Units
类型B4.V Types B4.V

四级传动 Four Stage
规格13...18 Sizes 13...18

立式安装 Vertical

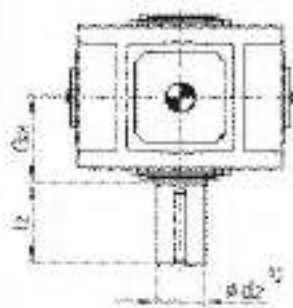
B4SV B4HV B4DV
采用浸油润滑 With dip lubrication



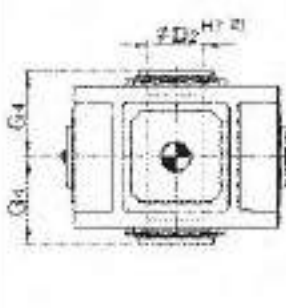
★ 输出轴 Output

布置形式 Design

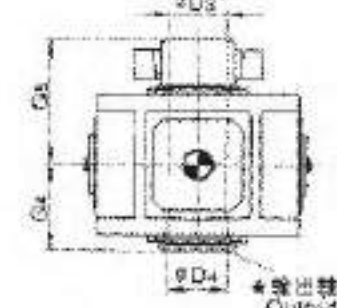
B4SV
实心轴
Solid shaft



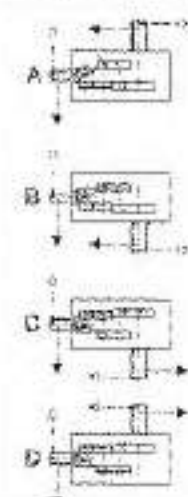
B4HV
空心轴
Hollow shaft



B4DV
带弹性套的空心轴
Hollow shaft for shrink disk



布置形式 A-D 根据用户要求供货
Design A-D on request



注: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) 键槽 GB/T1095-1979。
3) 扭力支撑位于工作机侧。
4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系。

Note: 1) $k6 \leq \Phi 50$ $m6 > \Phi 50$
2) Keyway GB/T1095-1979.
3) Torque support on driven machine side
4) Space for pump, pipes and cover, for exact dimension, please refer to us.

直交轴齿轮箱 Bevel-helical Gear Units
类型B4.V Types B4.V

四级传动 Four Stage
规格13...18 Sizes 13...18

立式安装 Vertical

规格 Size	尺寸 mm Dimensions in mm												
	输入轴 Input												
	IN=80-180		IN=90-200		IN=100-224		IN=200-315		IN=224-355		IN=250-400		G1
	d1'	l1	d1'	l1	d1'	l1	d1'	l1	d1	l1	d1'	l1	
13	60	110					50	100					1170
14					60	110					50	100	1240
15	75	135					80	110					1402
16			75	135					60	110			1448
17	75	135					80	110					1450
18			75	135					60	110			1510
19													
20													
21													
22													

根据用户
要求供货
On request

规格 Size	尺寸 mm Dimensions in mm													
	齿轮箱 Gear units													
	a	b	c	a7	E	l2	h	h2	m1	m2	n1	n2	p2'	s
13	1395	900	61±2	695	820	35	272.5	300	1300	680	50	360	500	48
14	1535	900	61±2	695	880	35	272.5	300	1440	680	50	430	500	48
15	1680	980	72±2	735	987	42	310	340	1565	750	60	430	570	55
16	1770	980	72±2	735	1033	42	310	340	1655	750	60	475	570	55
17	1770	1110	81±2	795	1035	42	340	374	1640	850	70	465	630	55
18	1890	1110	81±2	795	1095	42	340	374	1780	850	70	525	630	55
19														
20														
21														
22														

根据用户
要求供货
On request

规格 Size	尺寸 mm - Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)		
	输出轴 Output												
	B4SV			B4HV		B4DV							
	d2'	G2	l2	D2'	G4	D3	D4	G4	G5				
13	200	335	350	190	335	190	195	335	480	130	2280		
14	210	335	350	210	335	210	215	335	480	150	2605		
15	230	380	410	230	380	230	235	380	550	200	3435		
16	240	380	410	240	380	240	245	380	550	235	3765		
17	250	415	410	250	415	250	260	415	600	215	4460		
18	270	415	470	275	415	280	285	415	600	250	4830		
19						根据用户需求供货 On request							
20													
21													
22													

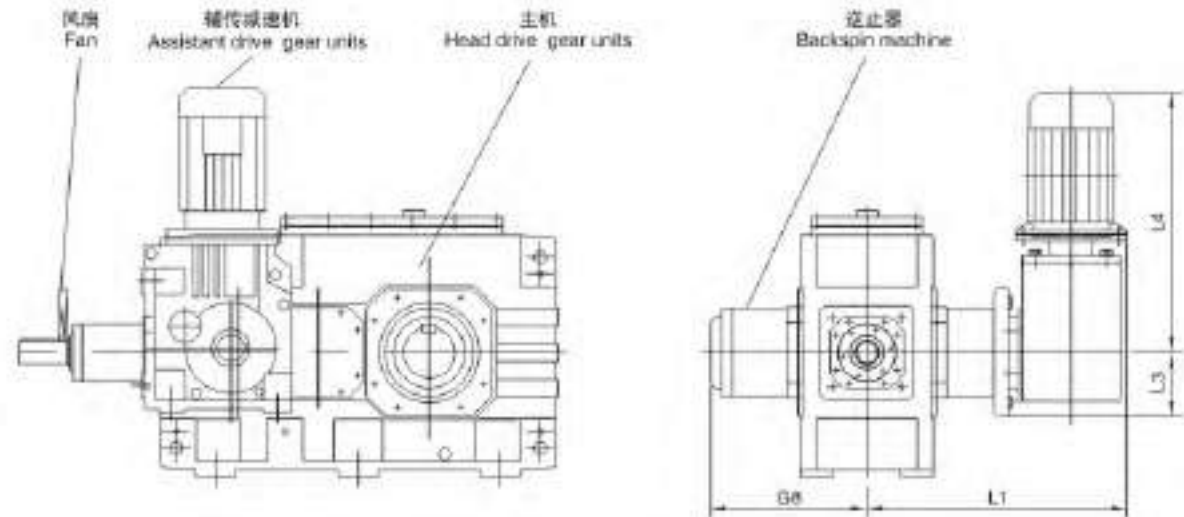
根据用户要求供货
On request

齿轮箱 Gear Units

直交轴带辅助传动齿轮箱选型图表

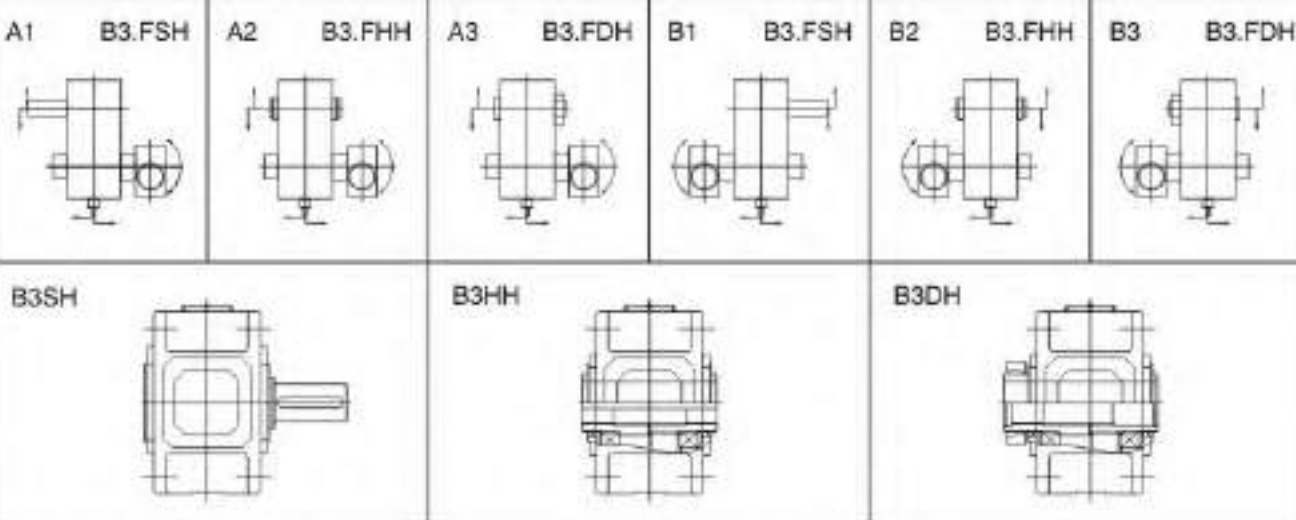
Bevel-helical with assistant drive gear units for map-table of choice

B3.FSH B3.FHH B3.FDH



辅助传动减速机参数 Assistant drive gear units parameter						外形尺寸 Out dimensions				
型号 Type	输入转速 Input speed (r/min)	输出转速 Out speed (r/min)	输出转矩 Out torque (kNm)	辅助传动减速机型号 Assistant drive gear units type	电机 Motor (kw)	G8	L1	L3	L4	重量 Weight (kg)
4	1450	3.1	3.2	KF67-90S-4P	1.1	275	470	125	435	280
5	1450	3.1	3.2	KF67-90S-4P	1.1	295	490	125	435	395
6	1450	2.5	4.0	KF67-90S-4P	1.1	295	490	125	435	450
7	1450	3.1	6.3	KF77-100L1-4P	2.2	355	600	125	583	663
8	1450	2.5	7.9	KF77-100L1-4P	2.2	355	600	125	583	748
9	1450	2.3	11.8	KF87-100L2-4P	3	388	700	175	680	1050
10	1450	1.8	14.8	KF87-100L2-4P	3	388	700	175	680	1180
11	1450	2.3	11.6	KF87-100L2-4P	3	438	700	175	680	1615
12	1450	1.8	14.7	KF87-100L2-4P	3	438	700	175	680	1890

布置形式 Design



注: B3.F...中的F-带辅助传动

Note: B3.F...middle F-with assistant drive

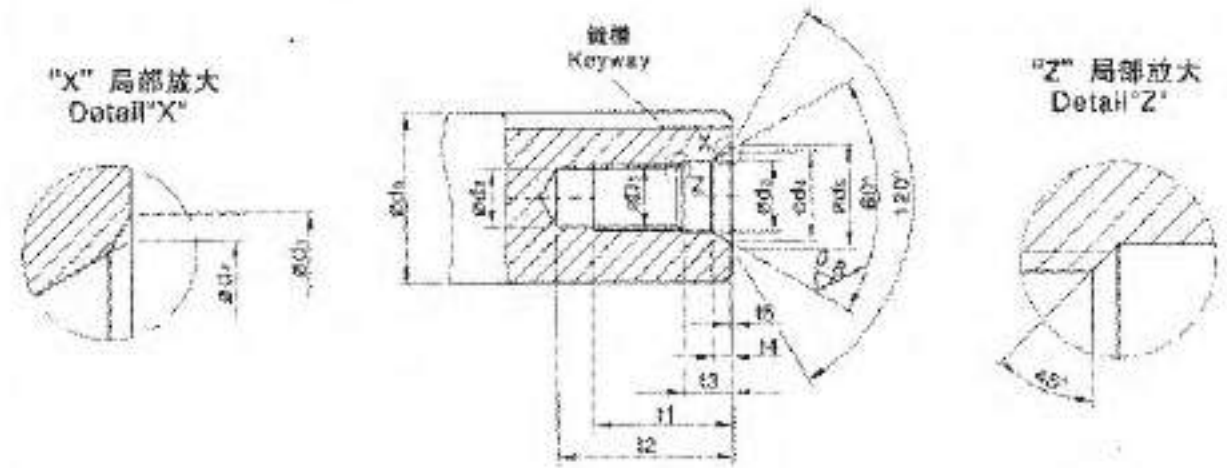
齿轮箱 Gear Units

C型轴端中心孔, 符合GB145-1985标准

Centre holes, form cin shaft ends GB145-1985

C型中心孔 From C

锥孔, 带一段直孔和护锥沉孔 Tapped hole, with straight running face and counterbore



推荐尺寸 Recommended diameters		C型 Froms											
d6 ¹⁾													
大于 above	至 to	C中心孔 C_ Centering	d1	d2	d3	d4	d5	t1	t2		t3	t4	t5
			+2	min.	max.	+1	=	=					
mm			mm										
16	21	C 6	M6	5	6.4	9.6	10.5	16	20	22	5	2.8	0.4
21	24	C 8	M8	6.8	8.4	12.2	13.2	19	25	28	6	3.3	0.4
24	30	C 10	M10	8.5	10.5	14.9	16.3	22	30	34	7.5	3.8	0.6
30	38	C 12	M12	10.2	13	18.1	19.8	28	37	42	9.5	4.4	0.7
38	50	C 16	M16	14	17	23	25.3	36	45	50	12	5.2	1
50	85	C 20	M20	17.5	21	28.4	31.3	42	53	59	15	6.4	1.3
85	130	C 24	M24	21	25	34.2	38	50	63	68	18	8	1.6
130*	225*	C 30	M30*	26.5	31	44	48	60	77	83	17	11	1.9
225*	320*	C 36	M36*	32	37	55	60	74	93	99	22	15	2.3
220*	500*	C 42	M42*	37.5	43	65	71	84	105	111	26	19	2.7

1) 工件加工后最终尺寸

*) 不是根据GB145-1985确定的尺寸

1) Diameter of the finished work piece

*) Dimensions not acc. to GB145-1985

齿轮箱 Gear Units
平键和键槽 Parallel keys keyways

选择ISO配合精度 Selection of ISO fits

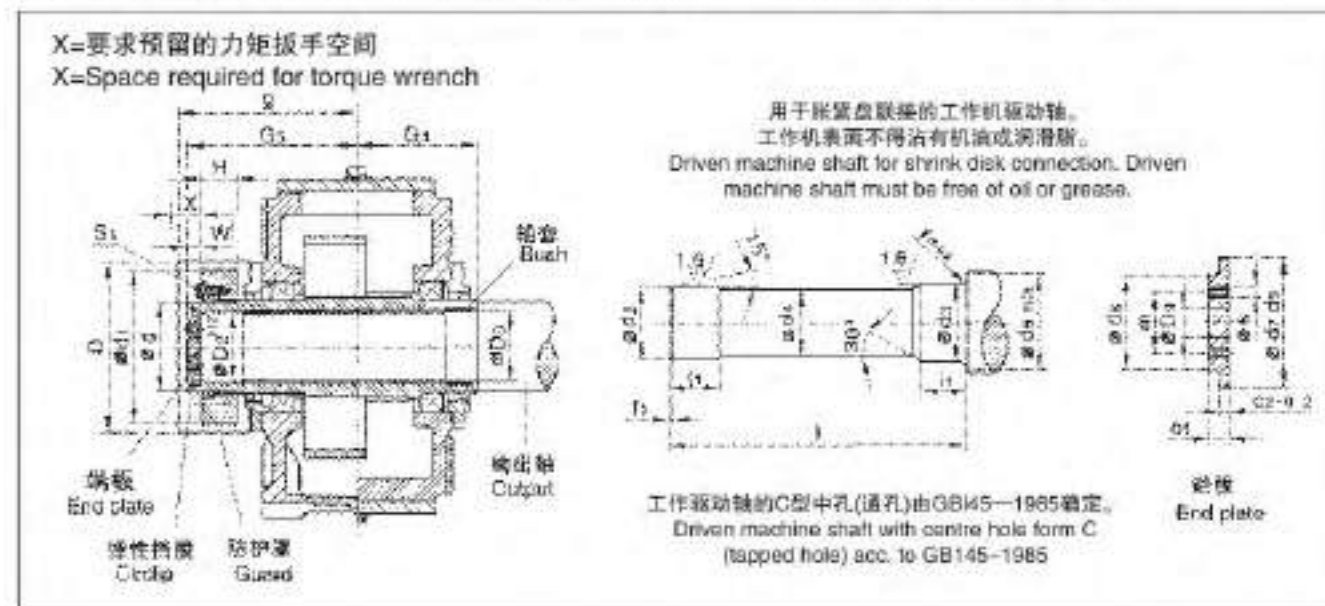
选择 ISO 配合精度 Selection of ISO fits				
选择 ISO 配合精度 Selection of ISO fits	轴 Shaft d		轴公差 Shaft tolerance	孔公差 Bore tolerance
	大于 Above mm	至 To mm		
轴公差根据国家标准确定 Shaft tolerance acc. To company standard		50	k6	H7
	50		m6	

对于重载工作条件,如带载反向回转,建议采用比较紧密的配合,轮毂键槽宽度亦应选择ISO P9公差级别。
For heavy-duty operating conditions, e.g. reversing under load, it is recommended that a tighter fit and for the hub keyway width the ISO P9 tolerance is selected.

平键 parallel keys					
平键紧固方式,采用无锥度联接。 Drive type fastening without taper action	直径 Diameter d		宽度 1) Width 1) b mm	高度 Height h mm	轴键槽深度 Depth of key- way in shaft t1 mm
	大于 Above mm	至 To mm			
平键和键槽根据GB/T1095-1979标准确定 Parallel key and keyway acc. to GB/T1095-1979	17	22	6	6	3.5
	22	30	8	7	4
	30	38	10	8	5
	38	44	12	8	5
	44	50	14	9	5.5
	50	58	16	10	6
	58	65	18	11	7
	65	75	20	12	7.5
	75	85	22	14	9
	85	95	25	14	9
	95	110	28	16	10
	110	130	32	18	11
	130	150	36	20	12
	150	170	40	22	13
	170	200	45	25	15
	200	230	50	28	17
	230	260	56	32	20
	260	290	63	32	20
	290	330	70	36	22
	330	380	80	40	25
	380	440	90	45	28

1) 重载工作条件下轮毂平键键槽宽度b的公差带应按ISO JS9或ISO P9确定。
1) The tolerance zone for the hub keyway width b for parallel keys is ISO JS9, or ISO P9 for heavy-duty operating conditions.

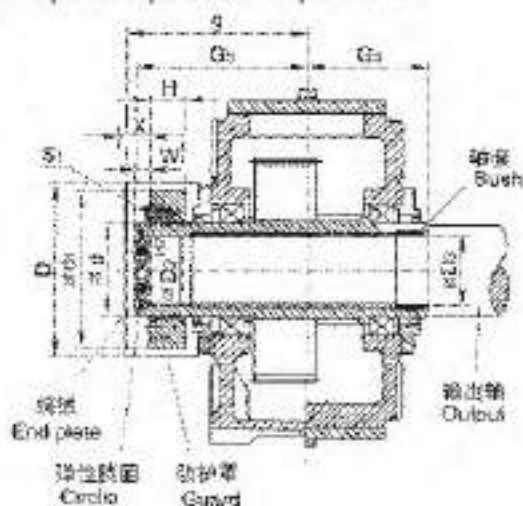
齿轮箱 Gear Units 带胀紧盘联接的空心轴 Hollow Shaft For Shrink Disk
类型H2,H3,H4,B3,B4 Type H2,H3,H4,B3,B4 规格3...22 Sizes 3...22



类型H2, H3, H4, B3, B4 Type H2, H3, H4, B3, B4																												
齿轮箱 规格 Gear units size	工作机驱动轴 ¹⁾ Driven machine shaft										轴端 End plate						弹性 挡圈 Ring Clutch		空心轴 Hollow shaft				胀紧套 ¹⁾ Shrink disk				螺钉 Screw	
	d ₁	d ₂	d ₃	d ₄	t ₁	t ₂	t ₃	t ₄	t ₅	t ₆	d ₇	d ₈	d ₉	D ₁	m	s	数量 Qty.	G88W 3.2-85	D ₁	D ₂	G ₁	G ₂	类型	d	d ₁	H	W	S
	mm																	mm										
3	70 g ₁	70 g ₁	69.5	80	4	286	38	2	17	7	75	55	22	40	M8	2	75 × 2.5	70	70	125	180	90-32	90	155	38	20	M10	
4	85 g ₁	85 g ₁	84.5	95	4	328	48	2	17	7	90	70	22	50	M8	2	90 × 3	85	85	140	205	110-32	110	185	48	20	M12	
5	100 g ₁	100 g ₁	99.5	114	4	383	53	2	20	8	105	80	25	55	M10	2	105 × 4	100	100	165	240	125-32	125	215	53	20	M12	
6	110 g ₁	110 g ₁	109.5	124	5	383	58	3	20	8	115	85	26	60	M10	2	115 × 4	110	110	165	240	140-32	140	230	58	20	M14	
7	120 g ₁	120 g ₁	119.5	134	5	453	68	3	20	8	125	90	26	65	M12	2	125 × 4	120	120	195	280	155-32	155	263	62	23	M14	
8	130 g ₁	130 g ₁	129.5	145	5	458	73	3	20	8	135	100	26	70	M12	2	135 × 4	130	130	195	285	165-32	165	290	68	23	M16	
9	140 g ₁	140 g ₁	139.5	160	6	539	82	4	23	10	150	110	33	80	M12	2	150 × 4	140	145	235	320	175-32	175	300	68	28	M16	
10	150 g ₁	150 g ₁	149.5	170	6	559	92	4	23	10	160	120	33	90	M12	2	160 × 4	150	155	235	350	200-32	200	340	85	28	M16	
11	165 g ₁	165 g ₁	164.5	185	7	644	112	4	23	10	175	130	33	90	M12	2	175 × 4	165	170	270	400	220-32	220	370	103	30	M20	
12	180 g ₁	180 g ₁	179.5	200	7	645	122	4	23	10	190	140	33	100	M16	2	190 × 4	180	185	270	405	240-32	240	405	107	30	M20	
13	190 g ₁	190 g ₁	189.5	213	7	788	137	5	23	10	200	150	33	110	M16	2	200 × 4	190	195	335	480	250-32	250	430	119	30	M20	
14	210 g ₁	210 g ₁	209.5	233	8	784	147	5	28	14	220	170	33	130	M16	2	220 × 5	210	215	335	480	280-32	280	460	132	30	M20	
15	230 g ₁	230 g ₁	229.5	253	8	839	157	5	28	14	240	180	38	140	M16	2	240 × 5	230	235	380	550	300-32	300	485	140	35	M24	
16	240 g ₁	240 g ₁	239.5	263	8	899	157	5	28	14	250	190	38	150	M20	2	250 × 5	240	245	380	550	320-32	320	520	140	35	M24	
17	250 g ₁	250 g ₁	249.5	278	8	982	177	5	30	14	255	200	38	150	M20	2	285 × 5	250	250	415	600	340-32	340	570	155	35	M24	
18	280 g ₁	280 g ₁	279.5	308	9	982	177	5	30	14	290	210	38	180	M20	2	290 × 5	280	285	415	600	360-32	360	590	162	35	M24	
19	285 g ₁	285 g ₁	284.5	316	9	1100	187	5	32	15	300	220	38	170	M24	2	300 × 5	285	295	465	670	380-32	380	640	166	40	M27	
20	310 g ₁	310 g ₁	309.5	338	9	1100	187	5	32	15	320	230	38	180	M24	2	320 × 6	310	315	465	670	390-32	390	650	166	40	M27	
21	330 g ₁	330 g ₁	329	358	9	1180	205	5	40	20	340	250	45	190	M24	2	340 × 6	330	335	490	715	420-32	420	670	188	45	M27	
22	340 g ₁	340 g ₁	339	368	9	1170	215	5	40	20	350	260	45	200	M24	2	350 × 6	340	345	490	725	440-32	440	720	194	45	M27	

- 1) 胀紧盘不在我们的供货范围之内,如有需要的话,请另行订货。
Shrink disk does not belong to our scope of supply. Please order separately, if required.
- 2) 工作机驱动轴材质: 60或强度更高的钢。根据用户要求, 胀紧盘可布置在工作机侧。工作机驱动轴尺寸请查图。
Material of driven machine shaft: 60 or higher strength. Shrink disk on machine side on request. Shrink disk is supplied as loose item. Dimensions of machine shaft on request.

X=要求预留的力矩扳手空间
X=Space required for torque wrench



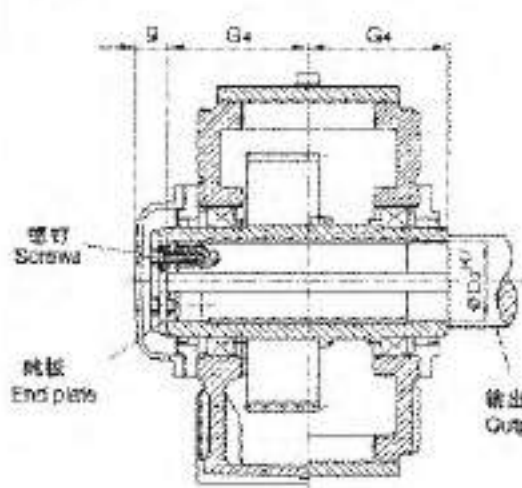
用于胀紧盘联接的工作机驱动轴。
工作机表面不得沾有机油或润滑油。
Driven machine shaft for shrink disk connection. Driven machine shaft must be free of oil or grease.



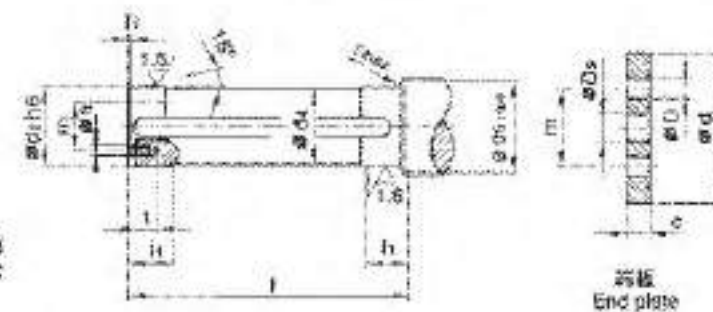
类型B2 Type B2																														
齿轮箱规格 Gear units size	工作机驱动轴 ¹⁾ Driven machine shaft										端板 End plate						弹性联轴器 Ring Coupler		空心轴 Hollow shaft				胀紧盘 ²⁾ Shrink disk				螺钉 Screw		防护罩 Guard	
	d ₁	d ₂	d ₃	d ₄	l ₁	l ₂	l ₃	r	c	ø	d ₅	d ₆	d ₇	m	±	数量 Qty.	GB889/ 3.2-88	D ₁	D ₂	G ₁	G ₂	类型 Type	d	d1	H	W	S	D	g	
	mm																mm													
2	60 g ₁	80 g ₂	59.5	70	3	300	38	2	13	8	68	47	22	38	M8	2	85×2.5	60	80	135	180	80-32	80	141	31	16	M10	180	200	
3	70g ₁	70 h ₂	69.5	80	4	320	38	2	17	7	75	55	22	40	M8	2	75×2.5	70	70	145	200	90-32	90	153	38	20	M10	200	220	
4	85g ₁	85h ₂	84.5	95	4	380	48	2	17	7	90	70	22	50	M8	2	90×3	85	85	170	235	110-32	110	185	49	20	M12	235	250	
5	100g ₁	100h ₂	99.5	114	5	453	53	2	20	8	105	80	26	55	M10	2	105×4	100	100	200	275	125-32	125	215	53	20	M12	275	285	
6	110g ₁	110h ₂	109.5	124	5	463	58	3	20	8	115	85	26	60	M10	2	15×4	110	110	200	275	140-32	140	230	58	20	M14	285	285	
7	120g ₁	120h ₂	119.5	134	5	533	68	3	20	8	125	90	26	65	M12	2	125×4	120	120	235	320	155-32	155	263	62	23	M14	330	330	
8	130g ₁	130h ₂	129.5	145	6	538	73	3	20	8	135	100	26	70	M12	2	135×4	130	130	235	325	165-32	165	290	68	23	M16	340	340	
9	140g ₁	145m ₂	139.5	160	6	609	82	4	23	10	150	110	33	80	M12	2	150×4	140	145	270	365	175-32	175	300	68	28	M16	360	360	
10	150g ₁	155m ₂	149.5	170	6	629	82	4	23	10	160	120	33	90	M12	2	160×4	150	155	270	385	200-32	200	340	85	28	M16	385	400	
11	160g ₁	170m ₂	164.5	185	7	744	112	4	23	10	175	130	33	90	M12	2	175×4	165	170	320	450	220-32	220	370	103	30	M20	435	470	
12	180g ₁	185m ₂	179.5	200	7	749	122	4	23	10	190	140	33	100	M16	2	190×4	180	185	320	455	240-32	240	405	107	30	M20	450	470	
14	210g ₁	215m ₂	209.5	233	8	894	147	5	28	14	220	170	33	130	M16	2	220×5	210	215	390	535	280-32	280	460	133	30	M20	525	555	
16	240g ₁	245m ₂	239.5	263	8	1039	167	5	28	14	250	190	39	150	M20	2	250×5	240	245	450	620	320-32	320	520	140	35	M24	585	645	
18	280g ₁	285m ₂	279.5	308	9	1172	177	5	30	14	290	210	39	160	M20	2	290×5	280	285	510	700	360-32	360	590	162	35	M24	635	720	

- 1) 胀紧盘不在我们的供货范围之内。如有需要的话，请另行订货。
Shrink disk does not belong to our scope of supply. Please order separately, if required.
- 2) 工作机驱动轴材质：60或强度更高的钢。根据用户要求，胀紧盘可布置在工作机侧。工作机驱动轴尺寸请索取数据。
Material of driven machine shaft: 60 or higher strength. Shrink disk on machine side on request. Shrink disk is supplied as loose item. Dimensions of machine shaft on request.

规格2...18 Sizes 2...18

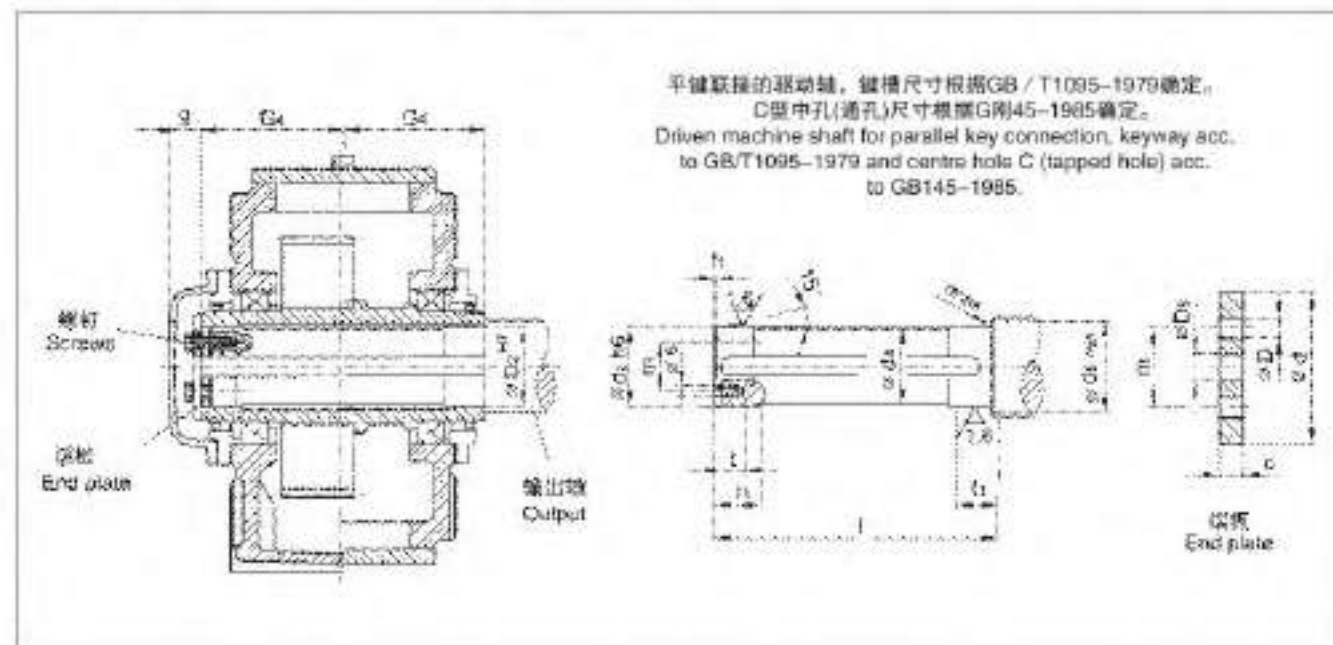


带平键联接的驱动轴，键槽尺寸根据GB/T1095-1979确定。
C型中孔(通孔)尺寸根据GB145-1985确定。
Driven machine shaft for parallel key connection, keyway acc. to GB/T1095-1979 and centre hole C (tapped hole) acc. to GB145-1985.



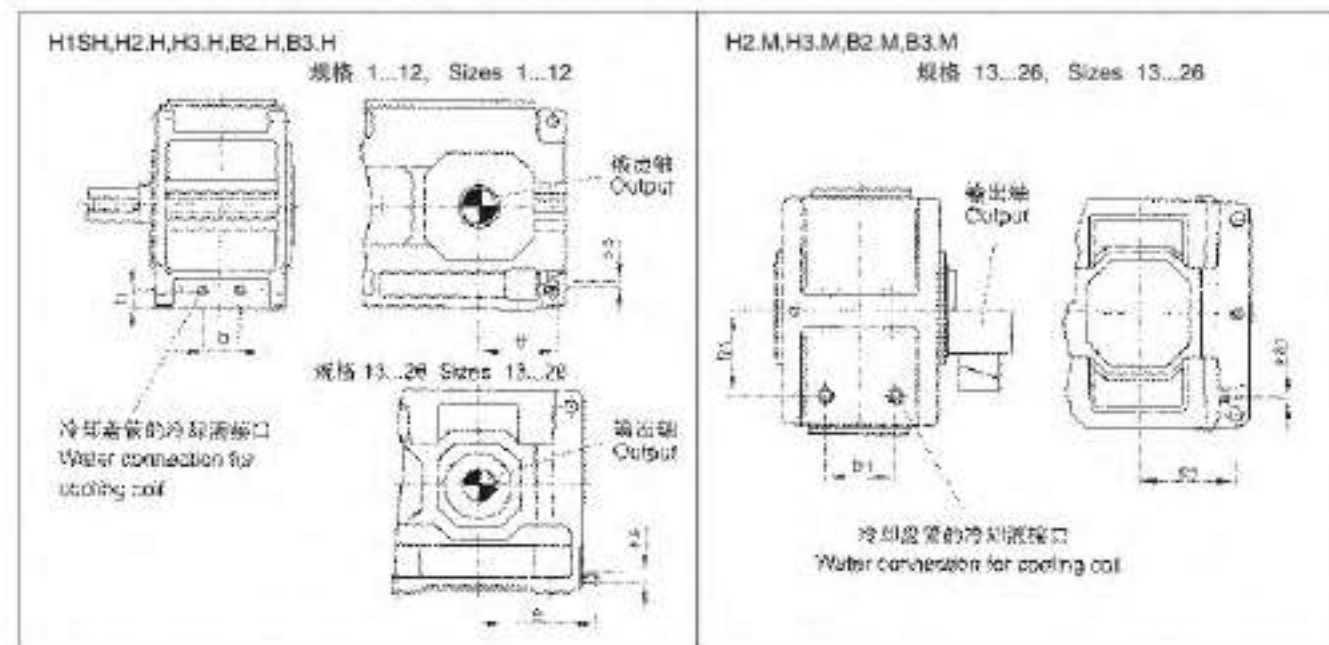
类型H2, H3, H4, B3, B4 Type H2, H3, H4, B3, B4																				
齿轮箱规格 Gear units size	工作机驱动轴 ¹⁾ Driven machine shaft									端板 End plate					螺钉 Screw		空心轴 Hollow shaft			
	d ₁	d ₂	d ₃	t ₁	l ₁	l ₂	r	s	t	c	D	D ₁	d	m	数量 Qty	数量 Qty	D ₂	G ₁	g	
	mm																mm			
3	65	64.5	73	4	248	30	1.2	M10	18	8	11	18	78	45	M10×25	2	65	125	35	
4	80	79.5	88	4	278	35	1.2	M10	18	10	11	22	100	60	M10×25	2	80	140	35	
5	95	94.5	105	5	328	40	1.6	M10	18	10	11	26	120	70	M10×25	2	95	165	40	
6	105	104.5	116	5	328	45	1.6	M10	18	10	11	26	120	70	M10×25	2	105	165	40	
7	115	114.5	126	5	388	50	1.6	M12	20	12	13.5	26	140	80	M12×30	2	115	195	40	
8	125	124.5	136	6	388	55	2.5	M12	20	12	13.5	26	150	85	M12×30	2	125	195	40	
9	135	134.5	147	6	467	60	2.5	M12	20	12	13.5	33	160	90	M12×30	2	135	235	45	
10	150	149.5	162	6	467	65	2.5	M12	20	12	13.5	33	185	110	M12×30	2	150	235	45	
11	165	164.5	177	7	537	70	2.5	M16	28	15	17.5	33	195	120	M16×40	2	165	270	45	
12	180	179.5	192	7	537	75	2.5	M16	28	15	17.5	33	220	130	M16×40	2	180	270	45	
13	190	189.5	206	7	667	80	3	M16	28	18	17.5	33	230	140	M16×40	2	190	335	45	
14	210	209.5	226	8	667	85	3	M16	28	18	17.5	33	250	160	M16×40	2	210	335	45	
15	230	229.5	248	8	756	100	3	M20	38	25	22	39	270	180	M20×55	4	230	380	60	
16	240	239.5	258	8	756	100	3	M20	38	25	22	39	280	180	M20×55	4	240	380	60	
17	250	249.5	270	8	826	110	4	M20	38	25	22	39	300	190	M20×55	4	250	415	60	
18	275	274.5	295	9	826	120	4	M20	38	25	22	39	330	210	M20×55	4	275	415	60	

- 1) 工作机驱动轴材质：60或强度更高的钢。平键不在我们的供货范围之内。如果需要的的话，请另行订货。
Material of driven machine shaft: 60 or higher strength. Parallel key does not belong to our scope of supply. Please order separately, if required.



类型B2 Type B2																			
齿轮箱 规格 Gear units size	工作机驱动轴* Driven machine shaft									端板 End plate					螺钉 Screw		空心轴 Hollow shaft		
	d ₁	d ₂	d ₃	L	l	l ₁	r	s	t	c	D	D ₁	d	m	规格 Size	数量 Qty.	D ₁	G ₁	g
	mm																mm		
2	55	54.5	63	3	268	30	1.2	M8	15	8	9	18	70	40	M8×20	2	55	135	35
3	65	64.5	73	4	288	30	1.2	M10	18	8	11	18	78	45	M10×25	2	65	145	35
4	80	79.5	88	4	338	35	1.2	M10	18	10	11	22	100	60	M10×25	2	80	170	35
5	95	94.5	105	5	308	40	1.6	M10	18	10	11	26	120	70	M10×25	2	95	200	40
6	105	104.5	116	5	308	45	1.6	M10	18	10	11	26	120	70	M10×25	2	105	200	40
7	115	114.5	126	5	468	50	1.6	M12	20	12	13.5	26	140	80	M12×30	2	115	235	40
8	125	124.5	136	6	468	55	2.5	M12	20	12	13.5	26	150	85	M12×30	2	125	235	40
9	135	134.5	147	6	537	60	2.5	M12	20	12	13.5	33	160	90	M12×30	2	135	270	45
10	150	149.5	162	6	537	65	2.5	M12	20	12	13.5	33	185	110	M12×30	2	150	270	45
11	165	164.5	177	7	637	70	2.5	M16	28	15	17.5	33	195	120	M16×40	2	165	320	45
12	180	179.5	192	7	637	75	2.5	M16	28	15	17.5	33	220	130	M16×40	2	180	320	45
14	210	209.5	226	8	777	85	3	M16	28	18	17.5	33	250	160	M16×40	2	210	390	45
16	240	239.5	258	8	896	100	3	M20	38	25	22	39	280	180	M20×55	4	240	450	60
18	275	274.5	295	9	1016	120	4	M20	38	25	22	39	330	210	M20×55	4	275	510	60

1) 工作机驱动轴材质: 60或强度更高的钢。平键不在我们的供货范围之内。如果需要的话, 请另行订货。
Material of driven machine shaft: 60 or higher strength. Parallel key does not belong to our scope of supply.
Please order separately, if required.



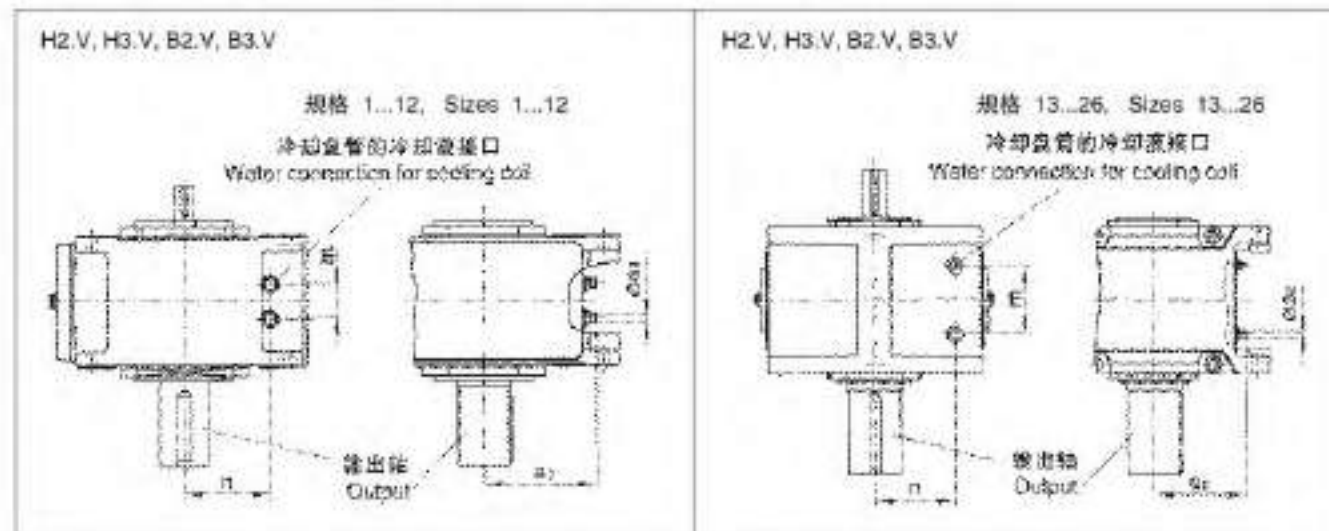
规格 Size	类型H1SH Type H1SH						类型H2.H/B3.H Type H2.H/B3.H						类型H3.H Type H3.H						类型B2.H Type B2.H					
	b mm	e mm	h mm	c	1)	2)	b mm	e mm	h mm	c	1)	2)	b mm	e mm	h mm	c	1)	2)	b mm	e mm	h mm	c	1)	2)
1	30	150	45	G1/4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	64	125	40	G1/4	4	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	78	130	40	G1/4	4	-
3	48	205	74	G1/2	4	-	34	130	55	G1/2	4	-	-	-	-	-	-	-	58	140	52	G1/4	4	-
4	-	-	-	-	-	-	34	155	60	G1/2	4	-	-	-	-	-	-	-	74	160	54	G1/2	4	-
5	88	270	90	G1/2	4	-	68	170	64	G1/2	4	70	175	60	G1/2	4	130	175	62	G1/2	8	-	-	
6	-	-	-	-	-	-	70	215	68	G1/2	4	70	220	69	G1/2	4	120	220	68	G1/2	4	-	-	
7	124	310	135	G1/2	4	-	100	210	83	G1/2	4	80	210	83	G1/2	4	140	210	80	G1/2	8	-	-	
8	-	-	-	-	-	-	100	270	83	G1/2	4	80	270	83	G1/2	4	140	270	80	G1/2	4	-	-	
9	116	365	110	G1/2	8	-	140	245	110	G1/2	8	150	245	107	G1/2	4	232	245	110	G1/2	8	-	-	
10	-	-	-	-	-	-	100	295	95	G1/2	8	90	295	95	G1/2	4	150	295	90	G1/2	8	-	-	
11	146	425	130	G1/2	8	-	110	275	95	G1/2	8	200	275	115	G1/2	8	312	275	115	G1/2	8	-	-	
12	-	-	-	-	-	-	200	360	109	G1/2	8	200	360	115	G1/2	8	300	360	115	G1/2	8	-	-	
13	152	460	150	G1/2	8	-	252	455	116	G1/2	8	252	460	116	G1/2	8	324	460	116	G1/2	8	-	-	
14	-	-	-	-	-	-	252	525	116	G1/2	8	252	530	116	G1/2	8	324	530	116	G1/2	8	-	-	
15	172	560	130	G1/2	8	-	290	535	119	G1/2	8	290	540	119	G1/2	8	396	540	119	G1/2	8	-	-	
16	-	-	-	-	-	-	290	580	119	G1/2	8	290	585	119	G1/2	8	396	585	119	G1/2	8	-	-	
17	202	600	145	G1/2	8	-	340	575	134	G1/2	8	300	580	134	G1/2	8	468	580	134	G1/2	8	-	-	
18	-	-	-	-	-	-	340	635	134	G1/2	8	300	640	134	G1/2	8	468	640	134	G1/2	8	-	-	
19	根据用户要求供货 On request						根据用户要求供货 On request						根据用户要求供货 On request						-					
20-22	根据用户要求供货 On request						根据用户要求供货 On request						根据用户要求供货 On request						-					

规格 Size	类型H2M/B3 Type H2M/B3						类型H3M Type H3M						类型B2M Type B2M					
	b1 mm	a1 mm	h1 mm	a1	1)	2)	b1 mm	a1 mm	h1 mm	a1	1)	2)	b1 mm	a1 mm	h1 mm	a1	1)	2)
13	252	335	300	G1/2	8	-	252	335	300	G1/2	8	-	324	335	300	G1/2	8	-
14	252	405	300	G1/2	8	-	252	405	300	G1/2	8	-	324	405	300	G1/2	8	-
15	290	395	335	G1/2	8	-	290	395	340	G1/2	8	-	396	390	345	G1/2	8	-
16	290	440	335	G1/2	8	-	290	440	340	G1/2	8	-	396	435	345	G1/2	8	-
17	340	425	380	G1/2	8	-	300	425	380	G1/2	8	-	324	425	395	G1/2	8	-
18	340	485	380	G1/2	8	-	300	485	380	G1/2	8	-	324	485	395	G1/2	8	-
19-22	根据用户要求供货 On request						根据用户要求供货 On request						-					

1) 冷却液需要量(L/min)
Required cooling water quantity (L/min)

冷却盘管适用于淡水、海水和半咸水。
Cooling coil suitable for fresh, sea and brackish.

齿轮箱 Gear Units 冷却盘管 Cooling Coils 立式安装 Vertical
类型H..V,B..V Type H..V,B..V 规格1...22 Sizes 1...22



规格 Size	类型H2.V/B..V Type H2.V/B3.V					类型H3.V Type H3.V					类型B2.V Type B2.V				
	m mm	n mm	e2 mm	s2	1)	m mm	n mm	e2 mm	s2	1)	m mm	n mm	e2 mm	s2	1)
1	-	-	-	-	-	-	-	-	-	-	84	90	125	G1/4	4
2	-	-	-	-	-	-	-	-	-	-	78	105	130	G1/4	4
3	34	120	130	G1/2	4	-	-	-	-	-	58	123	140	G1/2	4
4	34	140	155	G1/2	4	-	-	-	-	-	74	146	160	G1/2	4
5	68	166	170	G1/2	4	70	170	175	G1/2	4	130	166	175	G1/2	8
6	70	162	215	G1/2	4	70	161	220	G1/2	4	120	162	220	G1/2	4
7	100	197	210	G1/2	4	80	197	210	G1/2	4	140	200	210	G1/2	8
8	100	197	270	G1/2	4	80	197	270	G1/2	4	140	200	270	G1/2	4
9	140	210	245	G1/2	8	150	213	245	G1/2	4	232	210	245	G1/2	8
10	100	225	295	G1/2	8	90	225	295	G1/2	4	150	230	295	G1/2	8
11	110	285	275	G1/2	8	200	265	275	G1/2	8	312	265	275	G1/2	8
12	200	271	360	G1/2	8	200	265	360	G1/2	8	300	265	360	G1/2	8
13	252	300	335	G1/2	8	252	300	335	G1/2	8	324	300	335	G1/2	8
14	252	300	405	G1/2	8	252	300	405	G1/2	8	324	300	405	G1/2	8
15	290	335	395	G1/2	8	290	340	395	G1/2	8	396	345	390	G1/2	8
16	290	335	440	G1/2	8	290	340	440	G1/2	8	396	345	435	G1/2	8
17	340	380	425	G1/2	8	300	380	425	G1/2	8	324	395	425	G1/2	8
18	340	380	485	G1/2	8	300	380	485	G1/2	8	324	395	485	G1/2	8
19-22	根据用户要求供货 On request					根据用户要求供货 On request					-				

类型 Types	规格 Size	浸油润滑 Dip lubrication				电动机强制润滑 Forced lubrication with motor pump				电动机强制润滑 Forced lubrication with motor pump			
		适用布置形式 For design				适用布置形式 For design				适用布置形式 For design			
H2.V	4 5-12 13-18	A	B	C	D	A	B	C	D	A	B	C	D
		x	x	x	x	-	-	-	-	-	-	-	-
H3.V	5-12 13-18	x	x	x	x	-	x	-	x	-	-	-	-
		-	-	-	-	-	x	-	x	-	-	-	-
B2.V	4 5-12 13-18	x	x	x	x	-	-	-	-	根据用户要求供货 On request			
		x	x	x	x	x	x	-	-				
B3.V	4 5-12 13-18	x	x	x	x	-	-	-	-				
		x	x	x	x	-	-	x	x				

X=可供 X = Possible variants

1) 冷却液流量 (L/min) Required cooling water quantity (L/min)

冷却盘管适用于淡水、海水和半咸水。Cooling coil suitable for fresh, sea and brackish.

齿轮箱 Gear Units 润滑油供给方式可选方案 Oil Supply for 立式安装 Vertical
类型H2...H4,B2...B4 Type H2...H4,B2...B4 规格1...18 Sizes 1...18

各种润滑油供给方式 Oil supply variants

立式安装齿轮箱所用的各种润滑油供给方式列于表1

Oil supply variants for vertical gear units can be derived from table 1.

表1 Table 1				
类型 Types	规格 Size	浸油润滑 Dip lubrication	法兰泵强制润滑 Forced lubrication flanged on pump	电动机强制润滑 Forced lubrication motor pump
H2.V	4	x	-	-
	5...12	x	x	-
	13...18	-	x	-
H3.V	5...12	x	x	x
	13...18	-	x	x
H4.V	5...12	x	x	x
	13...18	-	-	x
B2.V	4	x	-	-
	5...12	x	x	x
	13...18	-	x	x
B3.V	4	x	-	-
	5...12	x	x	x
	13...18	-	x	x
B4.V	5...12	x	x	x
	13...18	-	-	x

X=可供 X = Possible variants

1) 采用实心轴、带储油管的齿轮箱所用的各种润滑油供给方式见108页表14。

1) For possible variants for gear units with solid shaft and oil retaining tube, see page 108, table 14.

推荐供油方式 Prefer redorder;

规格6号(含)以下各型: 浸油润滑, 规格7号以上各型: 强制润滑
up to size 6-dip lubrication from size 7 up, forced lubrication

对各种润滑油供给方式的说明 Notes on the individual oil supply variants

浸油润滑 Dip lubrication

当用浸油润滑时, 所用需要润滑的零部件均需浸在润滑油液中。

附带的补偿油箱用于储藏溢出的油液。

选择依据参见102页。

In case of dip lubrication, all parts to be lubricated are lying in the oil.

an oil compensating tank has been fitted for oil ex-pansion.

criteria for selection, see page 102.

强制润滑 Forced lubrication:

当采用强制润滑时, 所有未浸在润滑油液中的零部件均通过一个法兰联接油泵或单独的电动油泵进行飞溅润滑。

选择依据参见103-107页。

In case of forced lubrication, all parts which are not lying in oil are splash lubricated by means of a flanged-on pump or by a separate motor pump. Criteria for selection, see pages 103-107.

齿轮箱 Gear Units 浸油润滑方式 Dip Lubrication for 立式安装 Vertical
类型H2...H4,B2...B4 Type H2...H4,B2...B4 规格1...12 Sizes 1...12

当选用浸油润滑方式时,应满足下列要求: a)最大输入转速 n_1 ,参见表2; b)允许油温参见表3。

For the design with dip lubrication the following criteria have to be observed:

a)Maximum input speed n_1 , See table 2. b)Permissible oil temperatures, see table 3.

规格 Size	类型 Type											
	H2.V		H3.V		H4.V		B2.V		B3.V		B4.V	
	iN	n_1 max	iN	n_1 max	iN	n_1 max	iN	n_1 max	iN	n_1 max	iN	n_1 max
1	-	-	-	-	-	-	5-6.3 7.1-8 9-18	1200 1500 1800	-	-	-	-
2	-	-	-	-	-	-	5-5.6 6.3-8 9-10 11.2-18	1000 1200 1500 1800	-	-	-	-
3	6.3-7.1 8-10 11.2-22.4	1200 1500 1800	-	-	-	-	5-7.1 8-9 10-12.5 14-18	1000 1200 1500 1800	20-71	1800	-	-
4	6.3-10 11.2-12.5 14-22.4	1200 1500 1800	-	-	-	-	5-5.6 6.3-7.1 8-9 10-11.2	750 900 1000 1200	12.5-71	1800	-	-
5	6.3-9 10-12.5 14-18 18-22.4	1000 1200 1500 1800	25-90	1800	-	-	6.3-7.1 8-9 10-11.2	750 900 1000	12.5-71	1800	80-315	1800
6	8-11.2 12.5-16 18-20 22.4-28	1000 1200 1500 1800	31.5-112	1800	-	-	9 10-11.2 12.5-14	750 900 1000	16-90	1800	100-400	1800
7	6.3-7.1 8-9 10-11.2 12.5-16 18-22.4	750 900 1000 1200 1500	25-90	1800	100-355	1800	9-10 11.2	750 900	12.5-25 28-71	1500 1800	80-315	1800
8	8-9 10-11.2 12.5-14 16-20 22.4-28	750 900 1000 1200 1500	31.5-112	1800	125-450	1800	11.2-12.5 14	750 900	16-31.5 35.5-90	1500 1800	100-400	1800
9	6.3-7.1 8-10 11.2-22.4	1200 1500 1800	25-90	1800	100-355	1800	5-5.6 6.3-7.1 8-10 11.2	800 1000 1200 1500	12.5-71	1800	80-315	1800
10	8-9 10-12.5 14-28	1200 1500 1800	31.5-112	1800	125-450	1800	6.3-7.1 8-9 10-12.5 14	900 1000 1200 1500	16-90	1800	100-400	1800
11	6.3-7.1 8-10 11.2-12.5 14-22.4	1000 1200 1500 1800	25-90	1800	100-355	1800	5.6-6.3 7.1-8 9-10 11.2	750 900 1000 1200	12.5-22.4 25-71	1500 1800	80-315	1800
12	8-9 10-12.5 14-16 18-28	1000 1200 1500 1800	31.5-112	1800	125-450	1800	7.1-8 9-10 11.2-12.5 14	750 900 1000 1200	16-28 31.5-90	1500 1800	100-400	1800

n_1 和 iN 值不在表2所列范围内的齿轮箱必须采用强制润滑方式。

Gear units with n_1 and iN which are not listed in table 2 must be designed for forced lubrication

40℃以下的ISO-VG粘度 mm ² /s (cSt) Viscosity ISO-VG at 40 °C in mm ² /s (cSt)	浸油允许油温,℃ Permissible temperature limit in °C for dip lubrication	
	矿物油 Mineral oil	
	合成油 Synthetic oil	
VG 220	-15	-25
VG 320	-12	-25
VG 460	-9	-25

平行轴齿轮箱 Helical Gear Units 强制润滑方式 Forced Lubrication for
立式安装 Vertical 类型H2...H4 Type H2...H4 规格5...18 Sizes 5...18

40℃以下的ISO-VG粘度 mm ² /s (cSt) Viscosity ISO-VG at 40 °C in mm ² /s (cSt)	强制润滑允许油温,℃ Permissible temperature limit in °C forced forced lubrication			
	矿物油 Mineral oil		合成油 Synthetic oil	
	最低 min	最高 max	最低 min	最高 max
VG 220	10	80	0	90
VG 320	15	90	5	100
VG 460	20	95	10	105

强制润滑:

当使用强制润滑时,工作粘度不得超过1800cSt。最低工作粘度不得小于25cSt。当油温低于表4所列的数值时,必须提供浸油润滑方式,或者对润滑油进行加热。

Forced lubrication:

In case of forced lubrication, the operating Viscosity 1800 cSt must not be exceeded during starting. A minimum operating viscosity of 25 cSt must be ensured. If the temperatures are below the values as listed in table4, dip Lubrication has to be provided or the oil must be heated.

表5 Table 5								
立式安装平行轴齿轮箱采用法兰泵 Assignment of flanged-on pumps to vertical helical gear units								
类型 Types	n1 1/min	齿轮箱规格 Gear units size		法兰泵规格 Flanged-on pumps size	齿轮箱规格 Gear units size			法兰泵规格 Flanged-on pumps size
		5,7,9,11	6,8,10,12		13,15,17	14	16,18	
		速比 Ratio iN			速比 Ratio iN			
H2.V ¹⁾	750-1800	6.3-22.4	8-28	KSW1	6.3-22.4	8-28	7.1-25	KSW2
H3.V ¹⁾	1201-1800	25-35.5	31.5-45	KSW2	22.4-35.5	28-45	25-40	KSW3
		40-71	50-90	KSW3	40-71	50-90	45-80	KSW4
		80-90	100-112	*	80-90	100-112	90-100	*
		25-50	31.5-63	KSW3	22.4-25	28-31.5	25-28	KSW3
	901-1200	56-90	71-112	*	28-45	35.5-56	31.5-50	KSW4
					50-90	63-112	56-100	*
		25-35.5	31.5-45	KSW3	22.4-35.5	28-45	25-40	KSW4
	750-900	40-90	50-112	*	40-90	50-112	45-100	*
H4.V ¹⁾	1201-1800	100-180	125-224	KSW3	100-355	125-450	112-400	*
		200-335	250-450	*				
	901-1200	100-125	125-180	KSW3				
		140-335	180-450	*				
	750-900	100-335	125-450	*				

¹⁾= 所需电动泵, 参见表7
¹⁾= Motor pump require, see table 7.

¹⁾ 所需电动机,参见表7

²⁾ Motor pump require, see table 7.

1) 布置形式B.D

Design B.D

平行轴齿轮箱 Helical Gear Units 强制润滑方式 Forced Lubrication for
立式安装 Vertical 类型H2...H4 Type H2...H4 规格5...18 Sizes 5...18

表6 Table 6								
立式安装平行轴齿轮箱采用法兰泵 Assignment of flanged-on pumps to vertical helical gear units								
类型 Types	n1 r/min	齿轮箱规格 Gear units size		法兰泵规格 Flanged-on pumps size	齿轮箱规格 Gear units size			法兰泵规格 Flanged-on pumps size
		5,7,9,11	6,8,10,12		13,15,17	14	16,18	
		速比 Ratio iN			速比 Ratio iN			
H2.V ¹⁾	750-1800	6.3-22.4	8-28	KSW1	6.3-22.4	8-28	7.1-25	KSW2
H3.V ¹⁾	1201-1800	25-40	31.5-50	KSW2	22.4-50	28-63	25-56	KSW3
		45-90	56-112	KSW3	56-90	71-112	63-90	KSW4
							100	*
	901-1200	25-56	31.5-71	KSW3	22.4-31.5	28-40	25-35.5	KSW3
		63-90	80-112	*	35.5-56	45-71	40-63	KSW4
					63-90	80-112	71-100	*
	750-900	25-45	31.5-56	KSW3	22.4-25	28-31.5	25-28	KSW3
		50-90	63-112	*	28-45	35.5-56	31.5-50	KSW4
					50-90	63-112	56-100	*
H4.V ¹⁾	1201-1800	100-224	125-280	KSW3	100-355	125-450	112-400	*
		250-355	315-450	*				
	901-1200	100-140	125-180	KSW3				
		160-355	200-450	*				
	750-900	100-112	125-140	KSW3				
		125-335	160-450	*				
* = 所需电动机, 参见表7 * = Motor pump require, see table 7.								

1) 布置形式A,C Design A,C

表7 Table 7			
立式安装平行轴齿轮箱采用法兰泵 Assignment of flanged-on pumps to vertical helical gear units			
类型 Types	规格 Sizes	布置方式 Design	油泵 Pump
H2.V	5...18	A/B/C/D	1)
H3.V	5...18	A/C	SF 2/8
	5...12	B/D	SF 2/8
	13...18		SF 2/13
H4.V	7...12	A/C	SF 2/8
	13...18		SF 2/13
	7...18	B/D	SF 2/13

1) 只提供法兰泵 Flanged-on pump only

直交轴齿轮箱 Bevel-helical Gear Units 强制润滑方式 Forced Lubrication for
立式安装 Vertical 类型B2...B4 Type B2...B4 规格5...18 Sizes 5...18

表8 Table 8				
40℃以下的ISO-VG粘度 mm ² /s (cSt) Viscosity ISO-VG at 40 °C in mm ² /s (cSt)	强制润滑允许极限温度℃ Permissible temperature limit in °C forced feed lubrication			
	矿物油 Mineral oil		合成油 Synthetic oil	
	最低 min	最高 max	最低 min	最高 max
VG 220	10	80	0	90
VG 320	15	90	5	100
VG 460	20	95	10	105

强制润滑:

当使用强制润滑时, 工作粘度不得超过1800cSt。最低工作粘度不得小于25cSt。当油温低于表8所列的数值时, 必须提供浸油润滑方式, 或者对润滑油进行加热。

Forced lubrication:

In case of forced lubrication, the operating Viscosity 1800 cSt must not be exceeded during starting. A minimum operating viscosity of 25 cSt must be ensured. If the temperatures are below the values as listed in table8, dip Lubrication has to be provided or the oil must be heated.

表9 Table 9								
立式安装平行轴齿轮箱采用法兰泵 Assignment of flanged-on pumps to vertical helical gear units								
类型 Types	n1 r/min	齿轮箱规格 Gear units size		法兰泵规格 Flanged-on pump size	齿轮箱规格 Gear units size			法兰泵规格 Flanged-on pump size
		5,7,9,11	6,8,10,12		13,15,17	14	16,18	
		速比 Ratio iN			速比 Ratio iN			
B2.V ¹⁾	1201-1800	5-8.3	8.3-8	KSW1	5-8	8.3-10	5.8-9	KSW2
		7.1-11.2	9-14	KSW2	9-11.2	11.2-14	10-12.5	KSW3
	901-1200	5-8	6.3-10	KSW2	5	6.3	5.8	KSW2
		9-11.2	11.2-14	KSW3	5.6-11.2	7.1-14	6.3-12.5	KSW3
	750-900	5-8.3	6.3-8	KSW2	5-10	6.3-12.5	5.6-11.2	KSW3
		7.1-10	9-12.5	KSW3	11.2	14	12.5	*
B3.V ¹⁾	1201-1800	12.5-35.5	16-45	KSW2	12.5-35.5	16-45	14-40	KSW3
		40-71	50-90	KSW3	40-71	50-90	45-80	KSW4
	901-1200	12.5-25	16-31.5	KSW2	12.5-25	16-31.5	14-28	KSW3
		28-50	35.5-63	KSW3	28-50	35.5-63	31.5-56	KSW4
	750-900	56-71	71-90	*	56-71	71-90	63-80	*
		12.5-35.5	16-45	KSW3	12.5-35.5	16-45	14-40	KSW4
B4.V ¹⁾	1201-1800	40-71	50-90	*	40-71	50-90	45-80	*
		80-125	100-160	KSW2	80-315	100-400	90-355	*
		140-250	180-315	KSW3				
	280-315	355-400	*					
	901-1200	80-180	100-224	KSW3				
		200-315	250-400	*				
	750-900	80-125	100-160	KSW3				
140-315		180-400	*					
* = 所需电动机, 参见表11 * = Motor/pump require, see table 11.								

1) 布置形式A,B Design A,B
2) 布置形式C,D Design C,D

直交轴齿轮箱 Bevel-helical Gear Units 强制润滑方式 Forced Lubrication for
立式安装 Vertical 类型B2...B4 Type B2...B4 规格5...18 Sizes 5...18

表10 Table 10								
立式安装平行轴齿轮箱采用法兰泵 Assignment of flanged-on pumps to vertical helical gear units								
类型 Types	n1 1/min	齿轮箱规格 Gear units size		法兰泵规格 Flanged-on pump size	齿轮箱规格 Gear units size			法兰泵规格 Flanged-on pump size
		5,7,9,11	6,8,10,12		13,15,17	14	16,18	
		速比 Ratio iN			速比 Ratio iN			
B2.V ¹⁾	1201-1800	5.6-6.3	6.3-8	KSW1	5-6.3	6.3-8	5.6-7.1	KSW2
		7.1-11.2	9-14	KSW2	7.1-11.2	9-14	8-12.5	KSW3
	901-1200	5-8	6.3-10	KSW2	5-10	6.3-12.5	5.6-11.2	KSW3
		9-11.2	11.2-14	KSW3	11.2	14	12.5	*
	750-900	5-6.3	6.3-8	KSW2	5-7.1	6.3-9	5.6-8	KSW3
		7.1-10	9-12.5	KSW3	8-11.2	10-14	9-12.5	*
		11.2	14	*				
B3.V ¹⁾	1201-1800	12.5-35.5	16-45	KSW2	12.5-22.4	16-28	14-25	KSW2
		40-71	50-90	KSW3	25-40	31.5-63	28-56	KSW3
					56-71	71-90	63-80	KSW4
	901-1200	12.5-25	16-31.5	KSW2	12.5-35.5	16-45	14-40	KSW3
		28-50	35.5-63	KSW3	40-56	50-71	45-63	KSW4
		56-71	71-90	*	63-71	80-90	71-80	*
	750-900	12.5-35.5	16-45	KSW3	12.5-25	16-31.5	14-28	KSW3
		40-71	50-90	*	28-40	35.5-50	31.5-45	KSW4
					45-71	56-90	50-80	*
B4.V ¹⁾	1201-1800	80-100	100-224	KSW3	80-315	100-400	90-355	*
		200-315	250-400					
	901-1200	80-125	100-160	KSW3				
		140-315	180-400	*				
	750-900	80-90	100-112	KSW3				
		100-315	125-400	*				
* 所需电动机, 参见表 11 * Motor pump requir, see table 11.								

*= 所需电动机, 参见表11

*= Motor pump require, see table 11.

1) 布置形式C,D Design C,D

2) 布置形式A,B Design A,B

表11 Table 11			
立式安装直交轴齿轮箱采用法兰泵 Assignment of flanged-on pumps to vertical bevel-helical gear units			
类型 Types	规格 Size	布置方式 Design	油泵 Pump
B2.V	5...12	A/B	SF 2/5
	13...18		SF 2/8
	5...18	C/D	SF 2/8
B3.V	5...12	A/B	SF 2/8
	13...18		SF 2/13
	5...12	C/D	SF 2/8
	13...18		SF 2/13
B4.V	5...12	A/B	SF 2/8
	13...18		SF 2/13
	5...12	C/D	SF 2/8
	13...18		SF 2/13

齿轮箱 Gear Units 电动泵强制润滑方式 Mounted Motor Pumps 立式安装 Vertical
类型H3,H4,B2,B3,B4 Type H3,H4,B2,B3,B4 规格5...18 Sizes 5...18

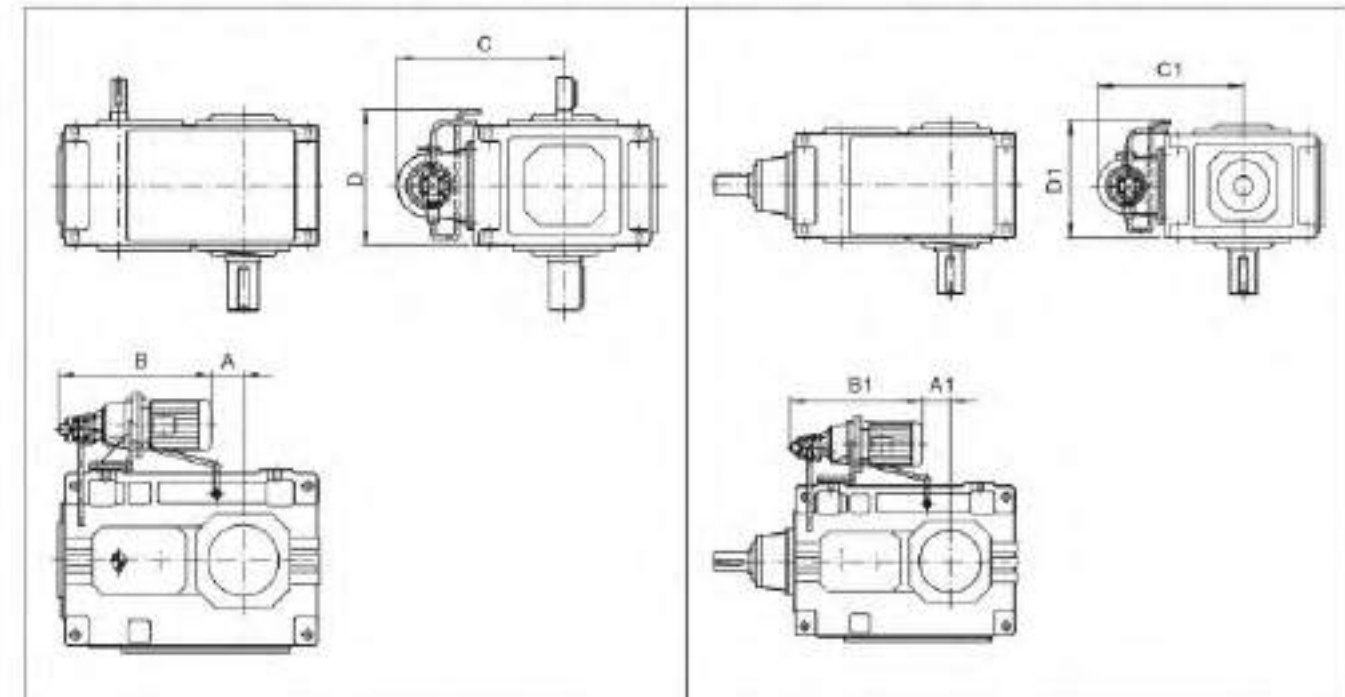


表12 Table 12							表13 Table 13						
安装尺寸 mounting dimensions on mm							安装尺寸 mounting dimensions on mm						
类型 Types	规格 Size	布置形式 Design	A	B	C	D	类型 Types	规格 Size	布置形式 Design	A1	B1	C1	D1
H3.V	5/6	A/B/C/D	~30/5	560	490	385	B2.V	5/6	A/B/C/D	~160/-125	480	470	415
	7/8	A/B/C/D	55/100	585	550	430		7/8	A/B/C/D	5/50	480	525	510
	9/10	A/B/C/D	140/190	610	565	500		9/10	A/B/C/D	60/110	480	565	570
	11/12	A/B/C/D	375/445	530	625	560		11/12	A/B/C/D	150/220	480	625	660
	13/14	A/C	155/225	880	670	700		13/14	A/B/C/D	~70/0	755	670	805
	13/14	B/D	100/170	935	670	700		15/16	A/B/C/D	15/60	780	710	910
	15/16	A/C	275/320	965	710	770		17/18	A/B/C/D	~5/55	890	775	1025
	15/16	B/D	220/265	1020	710	770		5/6	A/B/C/D	~85/-50	480	480	365
	17/18	A/C	250/310	1040	770	835		7/8	A/B/C/D	~5/40	480	550	430
	17/18	B/D	195/255	1095	770	835		9/10	A/B/C/D	65/115	480	565	500
H4.V	7/8	A/C	55/100	600	550	430	B3.V	11/12	A/B/C/D	280/350	480	625	590
	7/8	B/D	0/45	880	550	430		13/14	A/B/C/D	35/105	810	670	700
	9/10	A/C	140/190	625	565	500		15/16	A/B/C/D	120/165	875	710	775
	9/10	B/D	85/135	705	565	500		17/18	A/B/C/D	165/225	970	775	835
	11/12	A/C	375/445	550	625	560		5/6	A/B/C/D	~35/0	480	480	385
	11/12	B/D	320/390	835	625	560		7/8	A/B/C/D	55/100	480	550	430
	13/14	A/B/C/D	135/205	910	670	700		9/10	A/B/C/D	140/190	615	565	500
	15/16	A/B/C/D	255/300	1000	710	775		11/12	A/B/C/D	375/445	530	625	560
	17/18	A/B/C/D	230/290	1070	775	835		13/14	A/B/C/D	135/205	905	670	700
								15/16	A/B/C/D	255/300	990	710	775
								17/18	A/B/C/D	230/290	1065	775	835

齿轮箱 Gear Units

采用实心轴、带有储油管的齿轮箱的润滑油供给方式

Oil Supply for Gear Units With Solid Shaft and Oil Retaining

立式安装 Vertical 类型H2...H4, B2...B4 规格5...18

表14 Table 14

可选润滑油供给方式 possible oil supply variants			
类型 Types	规格 Size	布置形式 Design	
		B	C
H2SV	5-6	O ¹⁾	-
	7-12	O ²⁾	-
	13-18	O ³⁾	-
H3SV	5-7	O	-
	7-12	O	-
	13-18	O	-
B2SV	5-6	-	O
	7-12	-	O
	13-18	-	O
B3SV	5-6	-	O
	7-12	-	O
	13-18	-	O
B4SV	5-6	-	O
	7-12	-	O
	13-18	-	O

- = 布置形式不允许 Design not possible

O = 可选强制润滑 Forced lubrication possible

1) 对于规格5号齿轮箱, 仅适用于速比 $i \leq 16$ For size 5 only possible up to $i \leq 16$

2) 对于规格7号齿轮箱, 仅适用于速比 $i \leq 16$ For size 7 only possible up to $i \leq 16$

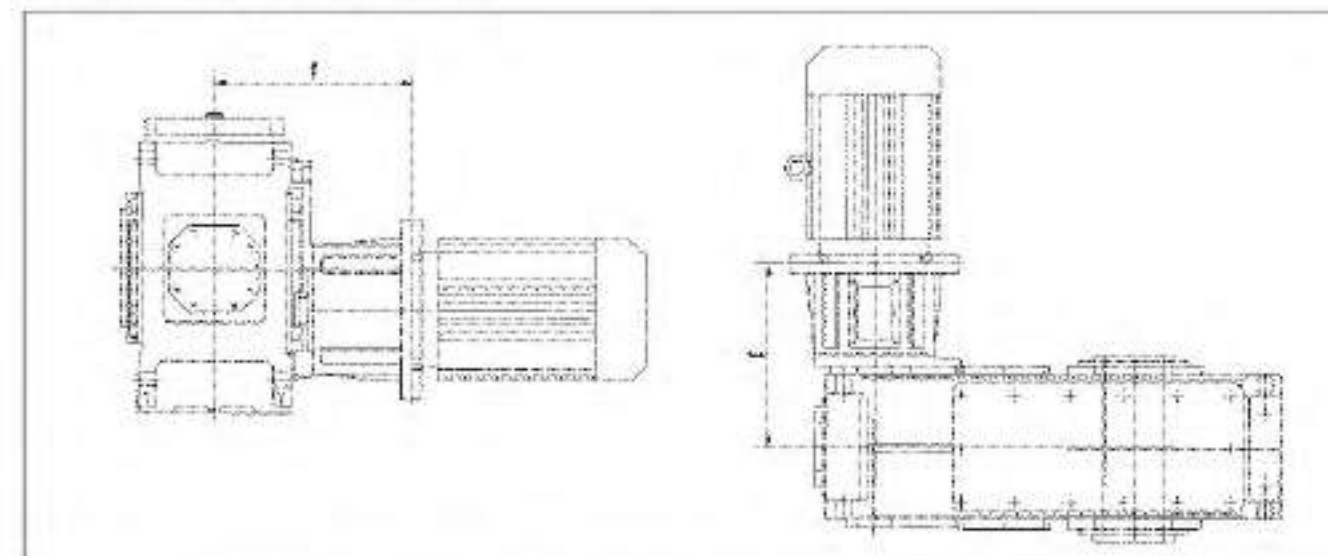
对于规格11号齿轮箱, 仅适用于速比 $i \leq 18$ For size 11 only possible up to $i \leq 18$

3) 对于规格13号齿轮箱, 仅适用于速比 $i \leq 18$ For size 13 only possible up to $i \leq 18$

对于规格17号齿轮箱, 仅适用于速比 $i \leq 16$ For size 17 only possible up to $i \leq 16$

齿轮箱 Gear Units 电机法兰联接 Motor Mounting With Flanges

类型H2,H3,H4 Type H2,H3,H4

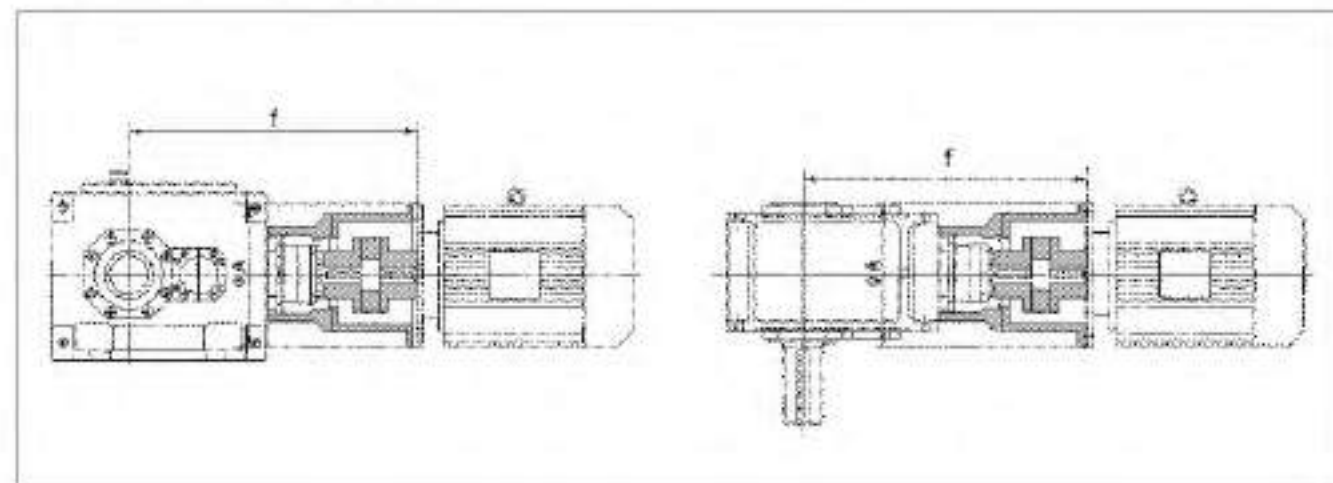


H2...			H4...				
电机功率 Motor Power	规格Size		规格Size				
	4	5/6	7/8	9	10	11/12	
	mm		mm				
11-15kW	403		齿轮轴 1: 传动比 iN/Ratio iN				
			≥ 3.15	≤ 2.8	≥ 3.15	≤ 2.8	
18.5-22kW	403	428	318				
30kW	405	430	341	379	384		
37-45kW	442	467	363	421	430	426	435
55kW		467		421	430	426	435
					432	437	495
					469	474	532
							532

H3									
电机功率 Motor Power	规格 / Size								
	7/8		9		10		11/12		
	吋					mm			
	齿轮轴 1: 传动比 iN/Ratio iN								
	≥3.15	≤2.8	-0.85	≤2.8	-0.85	≤2.8	≥4.5	-0.85	≤2.8
			≥4.5		≥4.5				
11-15kW	368		463	506	468	513			
18.5-22kW	368	413	463	506	468	513			
30kW	390	415	465	510	470	515			
37-45kW	427	452	502	547	507	552	507	532	577
55kW	427	452	502	547	507	552	507	532	577
75-90kW			502	547	507	552	507	532	577

*标准电机安装尺寸参见第353页。Fitting dimensions for standard motors see page 353.

齿轮箱 Gear Units 钟形罩法兰联接 Motor mounting with bell housing flanges 类型B2,B3,B4 Type B2,B3,B4



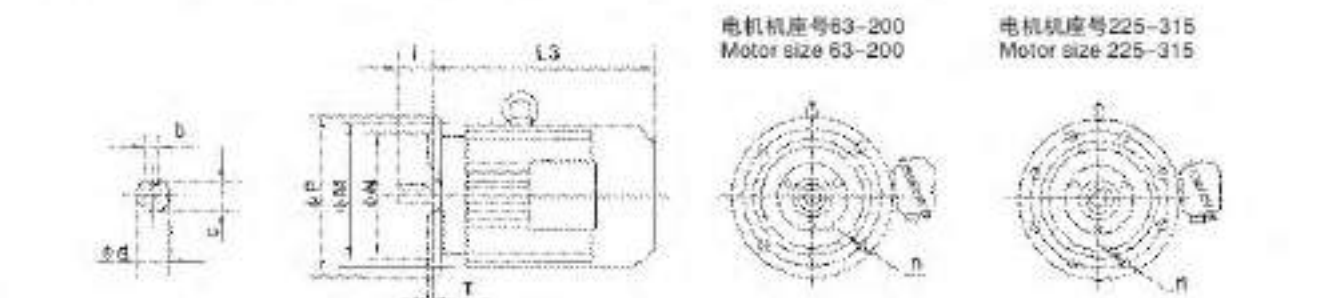
B2										
电机功率 Motor Power	规格 / size									
	4	5	6	7	8					
	f	A	f	A	f	f	A	f	f	A
mm										
11-15kW	708	350								
18.5-22kW	708	350								
30kW	710	400	790	400	825					
37-45kW			827	450	862	957	450	1002		
55kW						957	550	1002		
75-90kW						957	550	1002		

B3												
电机功率 Motor Power	规格 / size											
	4	5	6	7	8	9	10	11	12			
	f	A	f	A	f	f	A	f	f	A	f	A
mm												
2.2-4kW	646	250										
5.5-7.5kW	671	300	756	350	791							
11-15kW	713	350	788	350	823	933	400	978				
18.5-22kW	713	350	788	350	823	933	400	978	1053	420	1103	
30kW	715	400	780	400	825	935	400	980	1055	420	1105	1240
37-45kW			827	450	862	972	450	1017	1092	450	1142	1277
55kW						972	550	1017	1092	550	1142	1277
75-90kW						972	550	1017	1092	550	1142	1277

B4																	
电机功率 Motor Power	规格 / size																
	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
	f	A	f	f	A	f	f	A	f	f	A	f	f	A	f	f	A
mm																	
2.2-4kW	753	250	780	879	250	918		350									
5.5-7.5kW	776	330	811	896	300	941	1021	350	1071								
11-15kW	818	350	853	938	350	983	1053	350	1003	1253	400	1323					
18.5-22kW	818	350	853	938	350	983	1053	400	1103	1253	400	1323	1423	420	1493		
30kW				940	400	985	1055	450	1105	1255	400	1325	1425	420	1495	1682	400
37-45kW							1092		1142	1292	450	1362	1462	450	1532	1719	450
55kW									1292	550	1362	1462	550	1532	1719	550	1765
75-90kW									1292	550	1362	1462	550	1532	1719	550	1765

*标准电机安装尺寸参见第353页。Fitting dimensions for standard motors see page 353.

标准普通电机的参数及安装尺寸 Standard and ordinary motor parameter and mounting dimension



电机 Motor	4级 Class 4		6级 Class 6		8级 Class 8		L3		安装尺寸 Mounting dimensions												M(kg)			
	P1 (kW)	n1 (r/min)	P1 (kW)	n1 (r/min)	P1 (kW)	n1 (r/min)	Y2	B	E	V	M	N	P	n	T	d	i	b	c	Y (mm)	Y2	B	E	V
	mm																							
63	0.12	1390					202	270	328		115	95/6	140	4xφ10	3	11/6	23	4	8.5	5.5	13			11
	0.18	1390																		8	13.5	15		12
71	0.25	1390	0.18	850			225	285	345		130	110/6	160	4xφ10	3.5	14/6	30	5	11	6.5	14	16	12	14
	0.37	1390	0.25	850																7.5	14.5	16	13	15
80	0.55	1390	0.37	885	0.18	645	256	290	350	310	165	130/6	200	4xφ12	3.5	19/6	40	6	15.5	10	15	31	20	16
	0.75	1390	0.55	885	0.25	645														11	16	32	21	17
90S	1.1	1400	0.75	910	0.37	670	270	310	370	320	165	130/6	200	4xφ12	3.5	24/6	50	8	20	16	23	35	27	23
90L	1.5	1400	1.1	910	0.55	670	296	335	395	345	165	130/6	200	4xφ12	3.5	24/6	50	8	20	20	25	39	31	28
100	2.2	1420			0.75	680	325	370	420	370	215	180/6	250	4xφ15	4	28/6	60	8	24	33	49	41	36	
	3	1420	1.5	920	1.1	680														35	53	44	36	
112M	4	1440	2.2	940	1.5	690	340	400	450	390	215	180/6	250	4xφ15	4	28/6	60	8	24	41	57	60	43	
132S	5.5	1440	3	960	2.2	710	390	430	505	450	265	230/6	300	4xφ15	4	38/6	80	10	33	65	93	85	63	
132M	7.5	1460	4	960	3	710	430	470	545	490	265	230/6	300	4xφ15	4	38/6	80	10	33	76	105	98	75	
		5.5	960																					
160M	11	1480	7.5	980	4	720	505	545	610	550	300	250/6	350	4xφ19	5	42/6	110	12	37	118	150	143	116	
					5.5	720																		
160L	15	1480			7.5	720	580	585	655	595	300	250/6	350	4xφ19	5	42/6	110	12	37	132	180	165	136	
180M	18.5	1470	11	960		720	590	620	715	740	300	250/6	350	4xφ19	5	48/6	110	14	42.5	164	205	203	169	
180L	22	1470	15	970	11	730	630	640	765	790	300	250/6	350	4xφ19	5	48/6	110	14	42.5	182	222	216	183	
200	30	1470	18.5	970	15	730	650	695	790	850	350	300/6	400	4xφ19	5	55/6	110	16	49	245	300	296	236	
		22	970																					
225S	37	1480			18.5	730	675	705	850	910	400	350/6	450	8xφ19	5	60/6	140	18	53	258	360	370	291	
225M	45	1480	30	980	22	730	705	730	890	940	400	350/6	450	8xφ19	5	60/6	140	18	53	290	390	405	327	
250	55	1480	37	980	30	730	770	795		1000	500	450/6	550	8xφ19	5	65/6	140	18	58	388	530	498	393	
280S	75	1480	45	980	37	730	845	870		1160	500	450/6	550	8xφ19	5	75/6	140	20	67.5	510	660	633	520	
280M	90	1485	55	980	45	740	895	920		1260	500	450/6	550	8xφ19	5	75/6	140	20	67.5	606	785	723	610	
315S	110	1485	75	980	55	740	1100	1100		1330	600	550/6	680	8xφ19	6	80/6	170	22	71	910	1000	1150	960	
315M	132	1485	90	985	75	740	1180	1180		1380	600	550/6	680	8xφ19	6	80/6	170	22	71	1000	1100	1230	1030	
315L	160	1485	110	985	90	740				1450	600	550/6	680	8xφ24	6	80/6	170	22	71	1055	1100	1320	1100	
	200	1485	132	985	110	740														1126	1160	1420	1200	

注：由于结构需要及生产厂家不同，有时参数会有所变化，此表仅供参考，准确尺寸请来电查询。
Note: Sometimes the parameters may be changed with the different structures and manufacturers, this table is only for reference, please refer to us for the exact dimensions.

备忘录
Notes

Handwriting practice area with horizontal lines.

备忘录
Notes

Handwriting practice area with horizontal lines.