TAIGONG
泰工减速机

# 江苏泰工减速机有限公司
Jiangsu Taigong Reducer Co., Ltd.

# 产品总览

## NO.1

R系列
斜齿轮减速机电机

R Series
Helical Geared Motors

GR..

GRF..

GRX..

## NO.2

S系列 斜齿轮
蜗轮蜗杆减速机电机

S Series Helical-
Worm Geared Motors

GS..

GSAF..

GSA/T..

## NO.3

K系列 斜齿轮弧齿
锥齿轮减速机电机

K Series Helical-
Bevel Geared Motors

GK..

GKF..

GKA/T..

## NO.4

F系列 斜齿轮
平行轴减速机电机

F Series Parallel-Shaft
Helical Geared Motors

GF..

GFA..

GFAF..

## NO.5

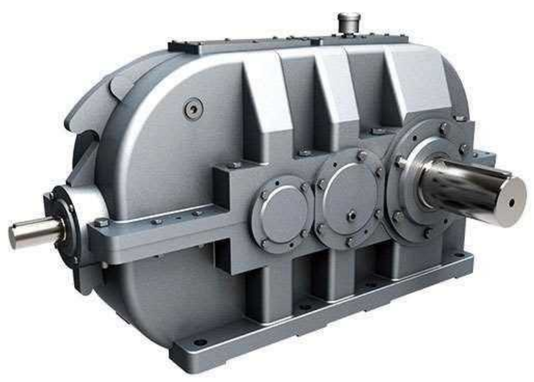
ZY系列
圆柱齿轮减速机

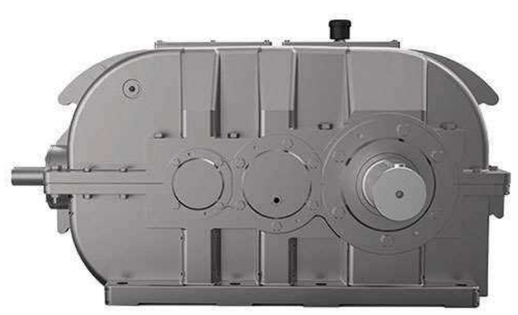
ZY Series Cylindrical Gear Reducer

## NO.6

DY系列
圆锥圆柱减速机

DY Series Bevel Gear Reducer





## NO.7

摆线
针轮减速机

Cycloidal Reducer

## NO.8

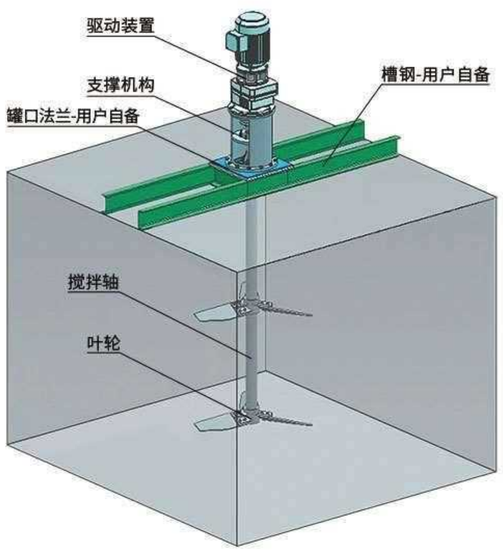
机架及联轴器

Reducer Rack and Coupling

## NO.8

搅拌机

Blender and Mixer



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# 斜齿轮减速电机产品概述

## 产品特性

**1、高度模块化设计：**可以方便地配用各种型式的电动机或采用其它动力输入。同种机型可配用多种功率的电动机。容易实现各机型间组合联接。

**2、传动比：**划分细，范围广。组合机型可以形成很大的传动比，即输出极低的转速。

**3、安装形式：**安装位置不受限制。

**4、强度高、体积小：**箱体采用高强度铸铁。齿轮及齿轮轴采用气体渗碳淬火精磨工艺，因而单位体积承载能力高。

**5、使用寿命长：**在正确选型（包括选用适当的使用系数）和正常使用维护的条件下，减速机（除易损件外）的主要零部件寿命一般不低于 25000 小时。易损件包括润滑油、油封以及轴承。

**6、噪声低：**减速机主要零部件都经过精密加工，并通过精心组装和测试，因而减速机噪声较低。

**7、效率高：**单机型齿轮效率不低于 95%，蜗轮蜗杆效率能达到 89%。

**8、可承受较大的径向载荷。**

## Features of Products

**1、Highly Standard Modular Designed:** The products are connected with and driven by different types of motors or other kinds of input power .The same type geared motor can be adapted to optioned powers of motors. It is therefore easy to realize different solutions for varied requirements.

**2、Ratio:** Featured many closely divided ratios and wide ranges of them. Very big final ratios can be obtained through combined unites to reach extremely low output speeds.

**3、Mounting Arrangement:** No strict limitation to the mounting arrangement.

**4、High Strength, Compact Dimension:** Housings are made of high strength cast iron. Gears and shaft gears are finished with gas carburising process and precise grounding to sequentially get high loading capacity of per certain volume.

**5、Long Service Life:** Under the conditions of accurately selecting type size and the normal maintenance and use, main components ( except those easily-disabled parts ) can last as long as up to more than 25,000 hours. Easily-disabled parts include lubricating oil, oil seals, and bearings.

**6、Low Noise:** All key components are finished by precisely machining, accurate assembly, and finally tested, and therefore, fairly low noise is reached.

**7、Highly Efficiency:** The efficiency of gear unit is more than 95%, The efficiency of worm gear unit can reach 89%.

**8、Large Radial Loading Ability.**

## 场所条件

本减速电机适合在环境温度-10℃到+40℃条件下运行，海拔高度可达 1000 米。

可用于正反转。

无行业限制。

在其它条件下使用时请与技术部联系。

## Site Conditions

The geared motors are suitable for the operation sites in the ambient temperatures from -10℃ to 40℃ and altitudes up to 1000m above sea lever.

They can be used both for clockwise running and anticlockwise running.

There is no limitation to specific application field.

While applied in other aggressive operating atmosphere or environment conditions, please contact our technology department.

## 选型参数表释义

### 1、选型参数表（恒功率）:

**电机功率 P** [kW]:表中列出的功率是按 GB/T 4772.1 旋转电机输出功率等级。

**输出转速 $n_a$** [r/min]：即输出轴的转速。参考电机满载时的转速和减速机的传动比计算得出,单位为转/分钟。

**输出转矩 $M_a$** [N.m]：电机满载时，减速机输出轴上可以产生的转矩。此输出转矩已考虑了减速机内部各种效率。

**传动比** i：减速机从输入到输出间总的实际（精确）传动比。

**许用径向载荷 $F_{Ra}$** [kN]：标准实心输出轴轴头长度中点处，或标准空心轴端部的许用径向载荷。

**使用系数 $f_B$**：减速机额定功率与所配用的电机额定功率的比值。它是选择减速机规格的重要参数。

**机型号**：即减速机的机型和规格号。有单机型和组合型两种。组合一般为恒功率条件下的组合。每种机型（包括某些未列入此表中的同规格变型品种）都可配备当前栏中所有传动比。其尺寸可查阅对应的安装结构尺寸图表。

**电机极数**：GB/T 4772.1 旋转电机极数。

### 2、选型参数表（恒转矩）:

恒转矩条件下较为合理的组合。按表中最大输出转矩计算时,许用使用系数为 1。其它含义同恒功率。

## Description of Selection Tables

### 1、Selection Table ( Constant Power ):

**Motor Power P [kW]:** Power is indicated on the basis of GB/T 4772.1 motor.

**Output Speed $n_a$** [r/min]: Output speed is calculated on the basis of motor's fully loading speed and geared motor's ratio. Unit: revolutions per minute.

**Output Torque $M_a$** [N.m]: Torque available at output shaft while motor being fully loaded. All internal efficiency factors have already considered.

**Ratio i**: Exact final total transmission ratio input to output.

**Permissible Radial Load $F_{Ra}$** [kN]: Allowable radial load at the midpoint of the shaft head length of a standard solid output shaft, or at the end of a standard hollow shaft.

**Service Factor $f_B$**: The ratio of rated power of gear unit to rated power of motor power. It is an important parameter to select the reducer model.

**Type Size of Unit**: Including type and size. Individual unit and combined units are available. Combination is considered commonly under the constant power condition. Each type (and even some other types not mentioned in the tables) can be assembled or combined to any ratio mentioned in the tables.

For the detailed construction dimension, see the relevant dimensional tables.

**Pole Number of Motor**: The pole number of GB/T 4772.1 motor.

### 2、Selection Table(Constant Torque):

Constant torque selection table is suitable for the conditions where the constant torque system is applied appropriately.

If the Max. torque listed in this table is used when calculating, service factor is 1.0 . The meanings of other terms are similar to ones described in Selection Table(Constant Power).

## 选型步骤

### 1．机型的选用

G 系列减速电机由四种不同结构型式及其多种派生型组成。GR、GF 系列及其派生型，用于输入轴与输出轴平行的场合；GS、GK 系列及其派生型，用于输入轴与输出轴垂直的场合。

选型时一般先根据安装要求选择合适的机型系列。如，要求输入轴与输出轴垂直，可选择 GK 或 GS 系列。

### 2．总工况系数 $f_A$ 的确定

**总工况系数**：

$$f_A=f_{Ah}\times f_{Ac}\times f_{At}\times f_{An}$$

总工况系数由工作机的多项因素构成，可根据工作机情况进行取舍或增加项目。

**1)、$f_{Ah}$**

$f_{Ah}$ 由工作机载荷特性和工作时间两个因素决定的工况系数，是最基本、最主要的系数。常用工作机的 $f_{Ah}$ 可参考后述“工况系数 $f_{Ah}$”表选定。其它工作机的工况系数，可用类比法确定。

**2)、$f_{Ac}$**

$f_{Ac}$ 由启、停次数决定。可参考后述“工况系数 $f_{Ac}$”表确定。注意启、停要各计一次。

**3)、$f_{At}$**

$f_{At}$ 由工作环境温度决定的系数。可参考后述“工况系数 $f_{At}$”表确定。

**4)、$f_{An}$**

$f_{An}$ 由转速决定的系数，同时考虑了热功率问题。通常情况下，本系列减速电机不配置循环润滑及冷却装置。若减速电机输出转速较高，特别是立式安装时（M2/M4），或对减速电机温升有严格要求时，为避免热功率的问题，需增加转速工况系数 $f_{An}$。可参考后述“工况系数 $f_{An}$”表确定。

**各项数值不能确定时，请与公司技术部联系。**

## Selection Steps

### 1、Type Selection

G series geared motor is composed of four different structural types and various derived types.GR, GF series and their derivations, used in situations where the input shaft is parallel to the output shaft;GS, GK series and their derivations, used for input shaft and output shaft vertical situations.

During the selection process, the appropriate model series is generally selected according to the installation requirements.For example, if the input shatf is perpendicular to the output shaft, you can choose GK or GS series.

### 2、Selection of Total Service Factor $f_A$

**Total Service Factor:**

$$f_A=f_{Ah}\times f_{Ac}\times f_{At}\times f_{An}$$

The total service factor is composed of several factors of the working unit, can choose or add projects according to the working conditions.

**1)、$f_{Ah}$**

$f_{Ah}$ is determined by two factors of working unit load feature and working time,it is the most basic and important factor. $f_{Ah}$ of frequently-used work unit can see the ‘service factor $f_{Ah}$ ‘ below to select.

**2)、$f_{Ac}$**

$f_{Ac}$-the factor determined by number of starts and stop per hour of working unit. You can see the ‘service factor $f_{Ah}$’ below .Attention: the number should be counted even start or stop.

**3)、$f_{At}$**

$f_{At}$ is a factor determined by the temperature of the working environment.Refer to the " service factor $f_{Ah}$ " table below for determination

**4)、$f_{An}$**

$f_{An}$ is a factor determined by the rotation speed, and the thermal power problem is taken into account. In general, this series of geared motors are not equipped with circulating lubrication and cooling devices. If the output speed of the geared motor is relatively high, especially under vertical installation (M2/M4), or when the temperature rise of the geared motor is strictly required, in order to avoid the problem of thermal power, the speed service factor $f_{An}$ should be increased. Refer to the " service factor $f_{An}$ " table below for determination.

**When you can't select the value of service factor, please contact with us.**

**3．型号（规格）的确定**

**须满足条件 $f_B \geq f_A$（或 $f_B \geq f_{Ah} \times f_{Ac} \times f_{At} \times f_{An}$）**

**1)、恒功率选型**

**(1)电机与减速机直联或通过联轴器联接**

a、在选型参数表(恒功率)中找到相应的电机功率、极数。

b、在此功率和极数下，初步选用一个具有相近传动比的机型，并记录下其使用系数 $f_B$。

c、比较，若满足条件 $f_B \geq f_A$，则是可用机型。否则，加大机型，直到满足条件。

**(2)电机与减速器之间具有前置减速联接**

若电机与减速机之间通过齿轮、皮带、链轮等减速装置联接，由于输入转矩的增加，须把电机功率折算到减速机输入轴上，即把电机的功率乘以前置减速装置的传动比。用折算的功率（当量功率），按前述章节(1)中的方法选取。此时，电机极数不变。

注意，采用当量功率仅是为了选型方便，并无其它物理含义。

**2)、恒转矩选型**

按电机功率、极数和传动比查选型参数表(恒转矩)。此时，工作转矩须限制在所选减速机的最大输出转矩范围内。

**4、径向载荷检验**

须满足条件：$\mathbf{F_{Ra} \geq f_A \times F_r}$ ；　　(N)

其中：

$\mathbf{F_{Ra}}$——标准实心输出轴轴头长度中点处，或标准空心轴端部的许用径向载荷。

若载荷作用点不在规定处，其许用径向载荷，须按后述章节“偏离输出轴轴伸中心点的径向载荷校核”进行修订和校核。

$\mathbf{f_A}$—工作机总工况系数。按前述章节计算得出。

$\mathbf{F_r}$—减速电机输出轴上工作元件产生的径向载荷。

轴上工作元件为联轴器，且严格按联轴器对中标准安装，确认无径向载荷时，可取 Fr=0；轴上工作元件为

**3.Selection of Type（Size）**

It is essential to meet following: $f_B \geq f_A$(or $f_B \geq f_{Ah} \times f_{Ac} \times f_{At} \times f_{An}$)

**1)、For constant power**

**(1)The motor is mounted directly into gear unit or with coupling**

a、Reach to a relevant power and pole number of motor from selection table（constant power)

b、Select rudely a size with close radio, and recode it's $f_B$.

c、Compare, if meet this formula: $f_B \geq f_A$, then this size of gear unit is available. Otherwise select a bigger size of gear unit until meet it.

**(2)、The gear unit with perfixion deceleration unit**

When connecting the motor and gear unit using gears, belts, or chains, etc. Because the torque of input has been increased, so it is essential to convert motor power into input power of gear unit, the input power is to multiply motor power by radio. Select the size according to the power converted from the seletion table. This moment, the number of motor pole is same.

Attention, the equivalent power is used only for selection convenience and has no other physical meaning.

**2)、For constant torque**

Select the size of gear unit according to the power and pole of motor and radio from selection table (constant torque). It is essential to restrict the working torque under maximal output torque of gear unit selected.

**4、Radial Load Checking**

It is essential to meet following: $\mathbf{F_{Ra} \geq f_A \times F_r}$ ；　(N)

Where:

$\mathbf{F_{Ra}}$——Allowable radial load at the midpoint of the shaft head length of a standard solid output shaft, or at the end of a standard hollow shaft.

If the loading point is not specified,it allowable radial load shall be revised and checked according to the following chapter "Radial load check deviating from the center point of output shaft extension".

$\mathbf{f_A}$—total service factor of work units. Calculated according to the preceding section.

$\mathbf{F_r}$—radial load generated by working elements on output shaft of geared motor.

The working element on the shaft is the coupling, and it is installed strictly in accordance with the coupling standard. When no radial load is confirmed,

齿轮，链轮，皮带轮时，Fr 值由下式求出：

**Fr=2*Mr*fr/ d** (N)

其中：**Mr**—工作元件的工作转矩（N.m）

**d**—工作元件节圆直径（m）

**fr**—径向载荷系数。可参考如下取值。

单排链轮 fr=1；

一个齿轮或双排链轮 fr=1.25；

V 型带 fr=1. 5；平型带 fr=2.5

对于 GK 和 GS 系列减速机，M1 安装时，侧面与安装固定面连接时，许用径向载荷只有选型表中 $F_{Ra}$ 数值的 50%。

对于 GK169 和 GK189 减速电机在安装位置 M1-M4 时，若安装面与其安装形式图例有所区别，许用径向载荷只有选型表中 $F_{Ra}$ 数值的 50%。

## 5、安装条件检验

有安装尺寸条件限制时应作此检验。即把所选用机型号的结构尺寸和可利用的空间尺寸作比较。

**若以上都能满足，则按机型号表示方法书写即可。有特殊要求时，可加文字说明。**

**普通供货约定：**

1、无特别说明时电机供货按 IP55 防护等级，F 级绝缘。

2、不注明电机接线盒位置时，通常按安装形式图例中的 0°位置供货。

3、不特别提出输出轴与输入轴旋向关系时，不在减速机上做出标识。

4、减速机出厂已加好润滑油。

5、安装结构尺寸图表中已注明不在标准供货范围内的附件不提供。

**本样本中如有改进之处，不另作通知，请谅解。**

Fr=0 is desirable; When the working elements on the shaft are gears, sprockets and belt wheels, the Fr value can be calculated from the following formula:

**Fr=2*Mr*fr/ d** (N)

Where, **Mr**-working torque of the working unit(N.m)

**d**-pitch circle radius of the working unit(m)

**fr**-radial load factor, which can be got refer to the following:

fr=1,for single chain sprocket wheel

fr=1.25,for single gear or for double chain sprocket wheel

fr=1.5,for V-section belt ; fr=2.5,for falt belt

Only 50% of the $F_{Ra}$ value specified in the selection table is permitted in mounting position M1 with wall attachment on the side face for GK and GS gear units.

Helical-bevel geared motors GK169 and GK189 in mounting positiongs M1 to M4: If the mounting position is different form the position we offered (M1-M4) , The overhung load $F_{Ra}$ lasted in the selection tables.

## 5、Mounting Dimension Checking

Check the mounting dimension when there is a limitation tosite mounting condition.

If the selected type by the above method is appropriate to site mounting condition, this final type is standard and should be written in formal type description.

**If any special requirement is requested, please describe it while placing order.**

**Normal Delivery Condition:**

1、Motor: motor of protection class IP55 and of insulation class F, while no special request.

2、Terminal box: Terminal box is at 0° position if no special request(see description of motor terminal box position)

3、Rotation direction: There will be no mark of rotation direction for input shaft or output shaft, if the relationship between input shaft and output shaft is not requested.

4、Lubricants: Units are supplied with lubricant oil before delivery.

5、Accessories: Generally, accessories excluded in mounting dimension table do not belong to our standard supply.

**Design and specifications are subject to change without notice, Please forgive.**

## 工况系数 $f_{Ah}$

| 应用 | 8h/天 | 16h/天 | 24h/天 |
|---|---|---|---|
| **食品工业** | | | |
| 粉碎机 | 1.75 | 2 | 2.25 |
| 甜菜切片机 揉面机 | 1.25 | 1.5 | 1.75 |
| 碾肉机 | 1.25 | 1.5 | 1.5 |
| 填充机 | 0.8～1* | 1 | 1.25 |
| 和面机 | 1 | 1.25 | 1.5 |
| 挤压机 | 1.25 | 1.5 | 1.75 |
| 甘蔗切碎机 | 1.75 | 1.75 | 1.75 |
| 榨糖机 | 1.75 | 1.75 | 1.75 |
| 烤面包机 | 1.25 | 1.25 | 1.25 |
| **辅助动力、伺服系统** | | | |
| 微动装置，无载荷 | 0.8～1* | * | * |
| 普通载荷 | 1.25 | 1.25 | 1.25 |
| **压缩机** | | | |
| 离心式 | 1 | 1.25 | 1.5 |
| 轴流式 | 1 | 1.25 | 1.5 |
| **过滤机** | 1 | 1.25 | 1.5 |
| **建筑业** | | | |
| 水泥搅拌机 | 1.25 | 1.5 | 1.75 |
| 水泥厂 | 1.5 | 1.75 | 2 |
| 灰泥喷射机 | 0.8～1* | 1 | 1.25 |
| **发电机** | 0.8～1* | 1 | 1.25 |
| **水处理、环保** | | | |
| 曝气机 | 1.75 | 2 | 2 |
| 普通通风装置 | 1.5 | 1.5 | 1.5 |
| 旋转木马式通风装置 | 1.75 | 1.75 | 1.75 |
| 条栅式筛子 搜集器 | 0.8～1* | 1 | 1.25 |
| 螺旋泵 | 1 | 1.25 | 1.5 |
| **筛 子** | | | |
| 旋转式（石头，砂） | 1 | 1.25 | 1.5 |
| 行进式吸水机 | 0.8～1* | 1 | 1.25 |
| **农用机械** | | | |
| 施肥平土机 | 0.8～1* | 1 | * |
| 收割机 | 0.8～1* | 1 | * |
| **起重机械** | | | |
| 行进运动 | 1.5 | 1.75 | 2 |
| 回转机构 | 1.25 | 1.5 | 2 |
| 起升机构 | 1.25 | 1.5 | 1.75 |
| 转臂式起重机 | 1.25 | 1.5 | 1.75 |
| **混合机** | | | |
| 均匀密度 | 1.25 | 1.5 | 1.5 |
| 不均匀密度 | 1.5 | 1.75 | 1.75 |

## Service Factor $f_{Ah}$

| Application | 8h/d | 16h/d | 24h/d |
|---|---|---|---|
| **Food industry** | | | |
| Crushers | 1.75 | 2 | 2.25 |
| Beet slicers, kneaders | 1.25 | 1.5 | 1.75 |
| Meat grinders | 1.25 | 1.5 | 1.5 |
| Filling machine | 0.8～1* | 1 | 1.25 |
| Dough mixers | 1 | 1.25 | 1.5 |
| Extruders | 1.25 | 1.5 | 1.75 |
| Sugar cane knives | 1.75 | 1.75 | 1.75 |
| Sugar roller mills | 1.75 | 1.75 | 1.75 |
| Toaster | 1.25 | 1.25 | 1.25 |
| **Auxiliary drives,servicing** | | | |
| Inching, no load | 0.8～1* | * | * |
| Normal duty | 1.25 | 1.25 | 1.25 |
| **Compressors** | | | |
| Centrifugal | 1 | 1.25 | 1.5 |
| Lobe | 1 | 1.25 | 1.5 |
| **Filters** | 1 | 1.25 | 1.5 |
| **Construction industry** | | | |
| Cement mixer | 1.25 | 1.5 | 1.75 |
| Cement mills | 1.5 | 1.75 | 2 |
| Mortar spraying machine | 0.8～1* | 1 | 1.25 |
| **Generators** | 0.8～1* | 1 | 1.25 |
| **Water treatment, environment tools** | | | |
| Aerators | 1.75 | 2 | 2 |
| Common aerators | 1.5 | 1.5 | 1.5 |
| Carrousel aerators | 1.75 | 1.75 | 1.75 |
| Bar screens, collectors | 0.8～1* | 1 | 1.25 |
| Screw pumps | 1 | 1.25 | 1.5 |
| **Screens** | | | |
| Rotary (for stone, for gravel) | 1 | 1.25 | 1.5 |
| Traveling water intake | 0.8～1* | 1 | 1.25 |
| **Agricultural machinery** | | | |
| Manure scrapers | 0.8～1* | 1 | * |
| Harvesting machines | 0.8～1* | 1 | * |
| **Cranes and hoists** | | | |
| Travel motion | 1.5 | 1.75 | 2 |
| Slewing gears | 1.25 | 1.5 | 2 |
| Hoisting gears | 1.25 | 1.5 | 1.75 |
| Derricking jib cranes | 1.25 | 1.5 | 1.75 |
| **Mixer** | | | |
| Constant density | 1.25 | 1.5 | 1.5 |
| Variable density | 1.5 | 1.75 | 1.75 |

## 工况系数 $f_{Ah}$

| | | | |
|---|---|---|---|
| **木材和塑料工业** | | | |
| 电锯的主动力 | 1.5 | 1.75 | 2 |
| 电锯的进给动力 | 1 | 1.25 | 1.5 |
| 砍木机 | 1.5 | 1.75 | 2 |
| 胶合板胶合机 | 0.8 ~ 1* | 1 | 1.25 |
| 钻孔机 | 0.8 ~ 1* | 1 | 1.25 |
| 挤压机 | 1.25 | 1.5 | 1.75 |
| **搅拌机** | | | |
| 纯液体（均匀密度） | 1.5 | 1.75 | 1.75 |
| 非均匀密度的液体 | 1.75 | 2 | 2.25 |
| 液体和固体 | 1.75 | 2 | 2.25 |
| **磨 机** | | | |
| 球磨机，棒磨机 | 1.75 | 1.75 | 1.75 |
| 锤磨机，粉碎机 | 1.5 | 1.75 | 2 |
| **印刷和制纸技术** | | | |
| 切割机 | 1 | 1.25 | 1.5 |
| 卷筒 | 0.8 ~ 1* | 1 | 1.25 |
| 打包进料机 | 1 | 1.25 | 1.25 |
| **电梯** | | | |
| 提升机 | 1.25 | 1.5 | 1.75 |
| 货运电梯 | 1.25 | 1.5 | 1.75 |
| 自动扶梯 | 1.25 | 1.25 | 1.5 |
| **纺织工业** | | | |
| 织机 | 1.25 | 1.5 | 1.75 |
| 纺纱机 | 0.8 ~ 1* | 1 | 1.25 |
| 洗涤机 | 1 | 1.25 | 1.5 |
| **输送机** | | | |
| 斗式输送机 | 1.5 | 1.75 | 1.75 |
| 平衡加荷或喂料 | 0.8 ~ 1* | 1 | 1.25 |
| 重载链和螺旋输送 | 1.25 | 1.5 | 1.5 |
| 振动输送机 | 1.5 | 1.75 | 2 |
| 卷扬机 | 1.5 | 1.75 | 1.75 |
| 皮带输送机 | 1.25 | 1.5 | 1.5 |
| 绞车 | 1.5 | 1.75 | 1.75 |
| **刮板式输送机** | 1.25 | 1.25 | 1.5 |
| **风扇** | | | |
| 离心式风扇 | 0.8 ~ 1* | 1 | 1.25 |
| 工业风扇 | 1 | 1.25 | 1.5 |
| 冷却塔动力 | 1.75 | 1.75 | 1.75 |
| 冷却塔风扇 | 1.75 | 2 | 2 |

## Service Factor $f_{Ah}$

| | | | |
|---|---|---|---|
| **Lumber and plastic industry** | | | |
| Main drive for saws | 1.5 | 1.75 | 2 |
| Feed drives for saws | 1 | 1.25 | 1.5 |
| Chopping machines | 1.5 | 1.75 | 2 |
| Veneer gluing machine | 0.8 ~ 1* | 1 | 1.25 |
| Drilling machine | 0.8 ~ 1* | 1 | 1.25 |
| Extruders | 1.25 | 1.5 | 1.75 |
| Agitators | | | |
| Pure liquids (constant density) | 1.5 | 1.75 | 1.75 |
| Liquids with variable density | 1.75 | 2 | 2.25 |
| Liquids and solids | 1.75 | 2 | 2.25 |
| **Mills** | | | |
| Ball, rod | 1.75 | 1.75 | 1.75 |
| Hammer, disintegrator | 1.5 | 1.75 | 2 |
| **Printing and paper techniques** | | | |
| Cutters | 1 | 1.25 | 1.5 |
| Reels | 0.8 ~ 1* | 1 | 1.25 |
| Bale feeders | 1 | 1.25 | 1.25 |
| **Elevators** | | | |
| Bucket elevators | 1.25 | 1.5 | 1.75 |
| Freight elevators | 1.25 | 1.5 | 1.75 |
| Escalators | 1.25 | 1.25 | 1.5 |
| **Textile industry** | | | |
| Looms | 1.25 | 1.5 | 1.75 |
| Spinners | 0.8 ~ 1* | 1 | 1.25 |
| Washers | 1 | 1.25 | 1.5 |
| **Conveyors** | | | |
| Bucket conveyors | 1.5 | 1.75 | 1.75 |
| Uniformly loaded or fed | 0.8 ~ 1* | 1 | 1.25 |
| Heavy duty, chain and screw conveyors | 1.25 | 1.5 | 1.5 |
| Shaker conveyors | 1.5 | 1.75 | 2 |
| Hoists | 1.5 | 1.75 | 1.75 |
| Belt conveyors | 1.25 | 1.5 | 1.5 |
| Hauling winches | 1.5 | 1.75 | 1.75 |
| **Apron conveyors** | 1.25 | 1.25 | 1.5 |
| **Fans** | | | |
| Centrifugal | 0.8 ~ 1* | 1 | 1.25 |
| Industrial fans | 1 | 1.25 | 1.5 |
| Cooling tower drives | 1.75 | 1.75 | 1.75 |
| Cooling tower fans | 1.75 | 2 | 2 |

## 工况系数 $f_{Ah}$

| | | | |
|---|---|---|---|
| **包装机械** | | | |
| 纸板堆叠机械 | 1.25 | 1.5 | 1.75 |
| 打包机 | 0.8～1* | 1 | 1.25 |
| **机床设备** | | | |
| 平面刨床，龙门刨床<br>弯轧机 | 1.25 | 1.5 | 1.75 |
| 主动力，进给动力 | 1 | 1.25 | 1.5 |
| 进给和辅助动力 | 0.8～1* | 1 | 1.25 |
| 压力机 | 1.75 | 2 | 2 |
| 折弯机 | 1.5 | 1.75 | 2 |
| 剪板机 | 1.75 | 2 | 2 |
| **钢铁工业** | | | |
| 拉线机 | 1.25 | 1.5 | 1.75 |
| 绕线机 | 1.25 | 1.75 | 1.75 |
| 轧辊辊道：无回转 | | | |
| —组合动力 | 1.25 | 1.5 | 1.75 |
| —独立动力 | 1.5 | 1.75 | 2 |
| **泵** | | | |
| 离心式 | 1 | 1.25 | 1.5 |
| 旋转式，齿轮型，<br>叶轮型，叶片型 | 0.8～1* | 1 | 1.25 |
| 活塞泵：单缸 | 1.5 | 1.75 | 2 |
| 多缸 | 1.25 | 1.5 | 1.75 |
| 螺旋泵 | 1 | 1.25 | 1.5 |

## Service Factor $f_{Ah}$

| | | | |
|---|---|---|---|
| **Packing machine** | | | |
| Cardboard stacking machine | 1.25 | 1.5 | 1.75 |
| Wrapping machine | 0.8～1* | 1 | 1.25 |
| **Machine tools** | | | |
| Plate surfacers, plate<br>planers, bending rolls | 1.25 | 1.5 | 1.75 |
| Main drives, feed drives | 1 | 1.25 | 1.5 |
| Feed and auxiliary drives | 0.8～1* | 1 | 1.25 |
| Presses | 1.75 | 2 | 2 |
| Folding machines | 1.5 | 1.75 | 2 |
| Plate shears | 1.75 | 2 | 2 |
| **Iron and steel industry** | | | |
| Wire drew benches | 1.25 | 1.5 | 1.75 |
| Winding machine | 1.25 | 1.75 | 1.75 |
| Rolling mill：non reversing | | | |
| —group drives | 1.25 | 1.5 | 1.75 |
| —individual drives | 1.5 | 1.75 | 2 |
| **Pumps** | | | |
| Centrifugal | 1 | 1.25 | 1.5 |
| Rotary, gear type,<br>lobe, vane | 0.8～1* | 1 | 1.25 |
| Piston pumps: single cylinder | 1.5 | 1.75 | 2 |
| multi-cylinder | 1.25 | 1.5 | 1.75 |
| Screw pumps | 1 | 1.25 | 1.5 |

## 工况系数 $f_{Ac}$

| 启停次数/每小时 | |
|---|---|
| < 10 | 1 |
| < 100 | 1.15 |
| < 500 | 1.25 |

## Service Factor $f_{Ac}$

| Number of stars and stop/hour | |
|---|---|
| < 10 | 1 |
| < 100 | 1.15 |
| < 500 | 1.25 |

## 工况系数 $f_{At}$

| **环境温度** | +20℃... | +20℃...<br>+30℃ | +30℃...<br>+40℃ | +40℃...<br>+50℃ | +50℃...<br>+60℃ |
|---|---|---|---|---|---|
| **$f_{At}$** | 1 | 1.1 | 1.25 | 1.5 | 1.75 |

## Service Factor $f_{At}$

| **Ambient temperature** | +20℃... | +20℃...<br>+30℃ | +30℃...<br>+40℃ | +40℃...<br>+50℃ | +50℃...<br>+60℃ |
|---|---|---|---|---|---|
| **$f_{At}$** | 1 | 1.1 | 1.25 | 1.5 | 1.75 |

## 工况系数 $f_{An}$

| **输出转速 (r/min)** | ≤2 | 2~10 | 10~<br>50 | 50~<br>100 | 100~<br>150 | 150~<br>200 | > 200 |
|---|---|---|---|---|---|---|---|
| **$f_{An}$** | 0.9 | 0.95 | 1.0 | 1.05 | 1.15 | 1.25 | 1.35 |

*=0.8 假如运行时间少于 3 小时/天，并且无径向载荷作用。

这些工况系数是基于我们多年的经验所得。特别适用于电动机作为主要动力的场合。对于特殊应用设计，例如大的惯性系数，请与我公司技术部联系。

## Service Factor $f_{An}$

| **Output speed (r/min)** | ≤2 | 2~10 | 10~<br>50 | 50~<br>100 | 100~<br>150 | 150~<br>200 | > 200 |
|---|---|---|---|---|---|---|---|
| **$f_{An}$** | 0.9 | 0.95 | 1.0 | 1.05 | 1.15 | 1.25 | 1.35 |

*=0.8,if hours of operation<3 hours/24 and no radial overhung load is applied.
These service factors are recommended on the basis of AGMA and ISO specifications and our experiences.They apply for electric motors as prime movers preferably.For specially designed applications,e.g.large inertia factor,please contact our technology department.

**轴向载荷**

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 5%给定是允许的。

过大的轴向载荷或轴向及径向的合成力，请咨询技术部。

**输入轴载荷**

输入轴的轴向载荷和径向载荷应用，请咨询技术部

**偏离输出轴轴伸中心点的径向载荷校核**

对于受力点不在输出轴轴伸中点处的许用径向载荷根据下列公式计算。

$Fx_L$ 和 $Fx_W$ 中的较小值，就是在 X 位置的许用径向载荷。

根据轴承寿命计算 $Fx_L$ （单位 N)

$Fx_L = F_{Ra} \times a/(b+X)$

根据输出轴强度计算 $Fx_W$ （单位 N)

$Fx_W = c/(f+X)$

$F_{Ra}$ --底脚安装的减速机输出轴轴伸中点处的许用径向载荷，单位[N]

X--从轴肩到受力点的距离，单位[mm]

a，b，f--对径向载荷转化的减速机常数，单位[mm]

c--对径向载荷转化的减速机常数，单位[N·mm]

**Axial Loads**

If there is no overhung long, jhen an axial load $F_A$ (tension or compression) amountion to 5% of the overhung load given in the selection tables is approved.

if significantly greater axial loads or combinations of overhung load and axial load. Please contact our technology department .

**Input Shaft Loads**

Please contact technical department for axial and radial loads on input shaft

**Overhung Load Conversion for Off-center Force Application**

The approved overhung loads given in the selection tables must be calculated by using the following formulae in the event of force application not in the center of the shaft end.

The smaller of the two values $F_{XL}$ and $F_{XW}$ is the approved value for the overhung load at point X .

$F_{XL}$ acc.to bearing service life

$F_{XL} = F_{Ra} \times a/(b+X)$

$F_{XW}$ from the shaft strength

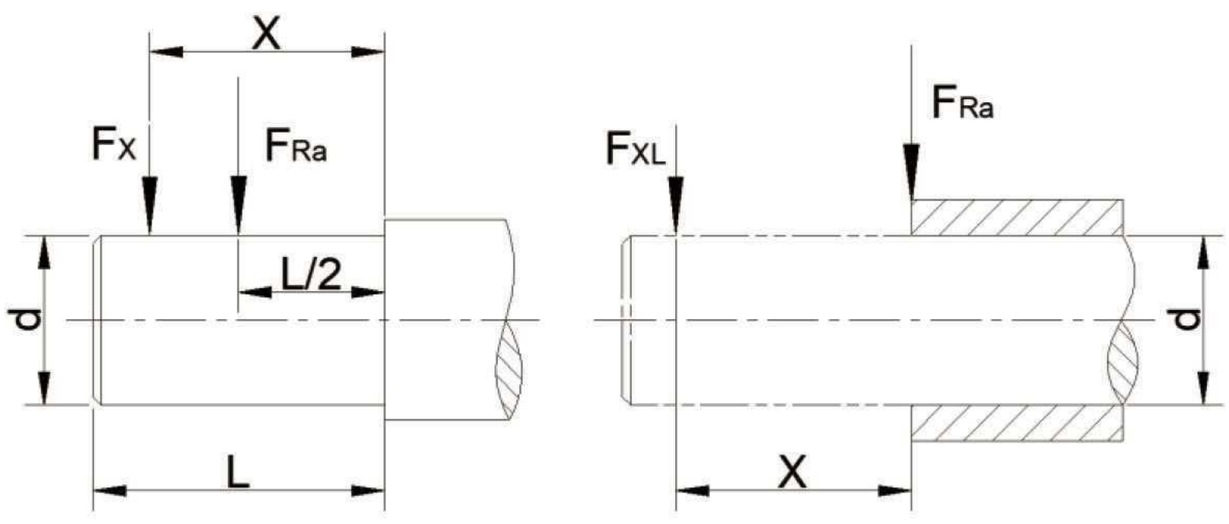
$Fx_W = c/(f+X)$

$F_{Ra}$--Approved overhung load(X=L/2) for foot-mounted gear units according to the selection tables in [N]

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

a,b,f--Gear unit constants for overhung liad conversion [mm]

c--Gear unit constants for overhung load conversion [N·mm]




图：偏离中心点的径向力Fx

Fig:Overhung load Fx for off-center force application

## 对径向载荷转化的减速机常数

## Gear unit constants for overhung load conversion

| 机型号 Type size | 减速机常数 Reducer constant | | | | | |
|---|---|---|---|---|---|---|
| | a(mm) | b(mm) | c(N.mm) | f(mm) | d(mm) | l(mm) |
| GR17 | 88.5 | 68.5 | $6.527x10^4$ | 17 | 20 | 40 |
| GR27 | 106.5 | 81.5 | $1.56 x10^5$ | 11.8 | 25 | 50 |
| GR37 | 118 | 93 | $1.24 x10^5$ | 0 | 25 | 50 |
| GR47 | 137 | 107 | $2.44 x10^5$ | 15 | 20 | 60 |
| GR57 | 147.5 | 112.5 | $3.77 x10^5$ | 18 | 35 | 70 |
| GR67 | 168.5 | 133.5 | $2.51 x10^5$ | 0 | 35 | 70 |
| GR77 | 173.7 | 133.7 | $3.97 x10^5$ | 0 | 40 | 80 |
| GR87 | 216.7 | 166.7 | $8.47 x10^5$ | 0 | 50 | 100 |
| GR97 | 255.5 | 195.5 | $1.19 x10^6$ | 0 | 60 | 120 |
| GR107 | 285.5 | 215.5 | $2.06 x10^6$ | 0 | 70 | 140 |
| GR137 | 343.5 | 258.5 | $6.14 x10^6$ | 30 | 90 | 170 |
| GR147 | 402 | 297 | $8.65 x10^6$ | 33 | 110 | 210 |
| GR167 | 450 | 345 | $1.26 x10^7$ | 0 | 120 | 210 |
| GR177 | 420 | 295 | $1.6 x10^7$ | 0 | 160 | 250 |
| GRX57 | 43.5 | 23.5 | $1.51 x10^5$ | 34.2 | 20 | 40 |
| GRX67 | 52.5 | 27.5 | $2.42 x10^5$ | 39.7 | 25 | 50 |
| GRX77 | 60.5 | 30.5 | $1.95 x10^5$ | 0 | 30 | 60 |
| GRX87 | 73.5 | 33.5 | $7.69 x10^5$ | 48.9 | 40 | 80 |
| GRX97 | 86.5 | 36.5 | $1.43 x10^6$ | 53.9 | 50 | 100 |
| GRX107 | 102.5 | 42.5 | $2.47 x10^6$ | 62.3 | 60 | 120 |
| GRX137 | 133 | 63 | $3.55 x10^6$ | 70.1 | 70 | 140 |
| GF37 | 123.5 | 98.5 | $1.07 x10^5$ | 0 | 25 | 50 |
| GF47 | 153.5 | 123.5 | $1.78 x10^5$ | 0 | 30 | 60 |
| GF57 | 170.7 | 135.7 | $5.49 x10^5$ | 32 | 35 | 70 |
| GF67 | 181.3 | 141.3 | $4.12 x10^5$ | 0 | 40 | 80 |
| GF77 | 215.8 | 165.8 | $7.78 x10^5$ | 0 | 50 | 100 |
| GF87 | 263 | 203 | $1.19 x10^6$ | 0 | 60 | 120 |
| GF97 | 350 | 280 | $2.09 x10^6$ | 0 | 70 | 140 |
| GF107 | 373.5 | 288.5 | $4.23 x10^6$ | 0 | 90 | 170 |
| GF127 | 442.5 | 337.5 | $9.49 x10^6$ | 0 | 110 | 210 |
| GF157 | 512 | 407 | $1.05 x10^7$ | 0 | 120 | 210 |
| GK37 | 123.5 | 98.5 | $1.41 x10^5$ | 0 | 25 | 50 |
| GK47 | 153.5 | 123.5 | $1.78 x10^5$ | 0 | 30 | 60 |
| GK57 | 169.7 | 134.7 | $6.8 x10^5$ | 31 | 35 | 70 |
| GK67 | 181.3 | 141.3 | $4.12 x10^5$ | 0 | 40 | 80 |
| GK77 | 215.8 | 165.8 | $7.69 x10^5$ | 0 | 50 | 100 |
| GK87 | 252 | 192 | $1.64 x10^6$ | 0 | 60 | 120 |
| GK97 | 319 | 249 | $2.8 x10^6$ | 0 | 70 | 140 |
| GK107 | 373.5 | 288.5 | $5.53 x10^6$ | 0 | 90 | 170 |
| GK127 | 443.5 | 338.5 | $8.31 x10^6$ | 0 | 110 | 210 |
| GK157 | 509 | 404 | $1.18 x10^7$ | 0 | 120 | 210 |
| GK167 | 621.5 | 496.5 | $1.88 x10^7$ | 0 | 160 | 250 |
| GK187 | 720.5 | 560.5 | $3.04 x10^7$ | 0 | 190 | 320 |
| GS37 | 118.5 | 98.5 | $6.0 x10^4$ | 0 | 20 | 40 |
| GS47 | 130 | 105 | $1.33 x10^5$ | 0 | 25 | 50 |
| GS57 | 150 | 120 | $2.14 x10^5$ | 0 | 30 | 60 |
| GS67 | 184 | 149 | $3.04 x10^5$ | 0 | 35 | 70 |
| GS77 | 224 | 179 | $5.26 x10^5$ | 0 | 45 | 90 |
| GS87 | 281.5 | 221.5 | $1.68 x10^6$ | 0 | 60 | 120 |
| GS97 | 326.3 | 256.3 | $2.54 x10^6$ | 0 | 70 | 140 |
| GS107 | 453.5 | 283.5 | $2.85 x10^6$ | 0 | 90 | 170 |

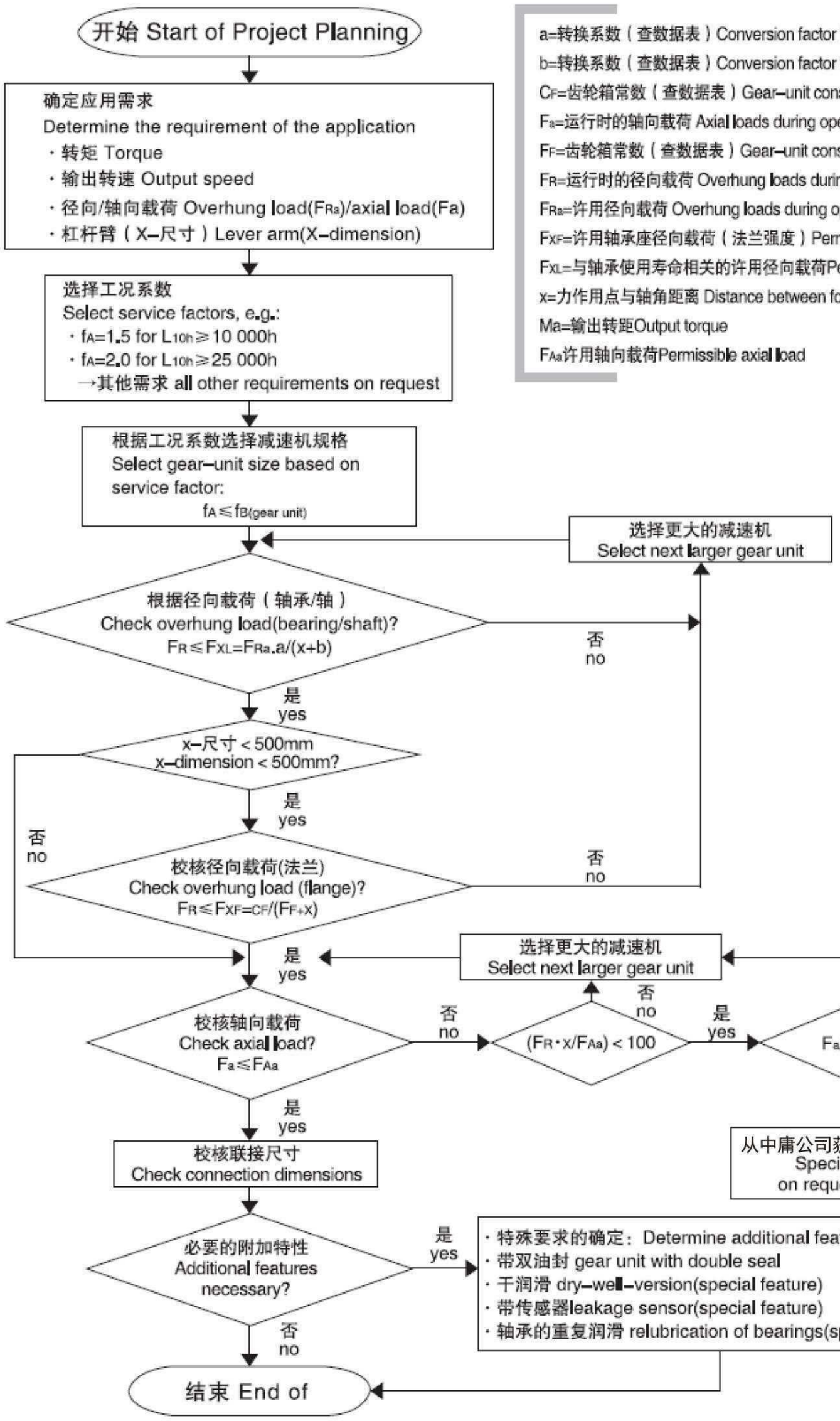
对于没有列出的型号的减速机常数需要另给定。

Values for types not listed are available on request.

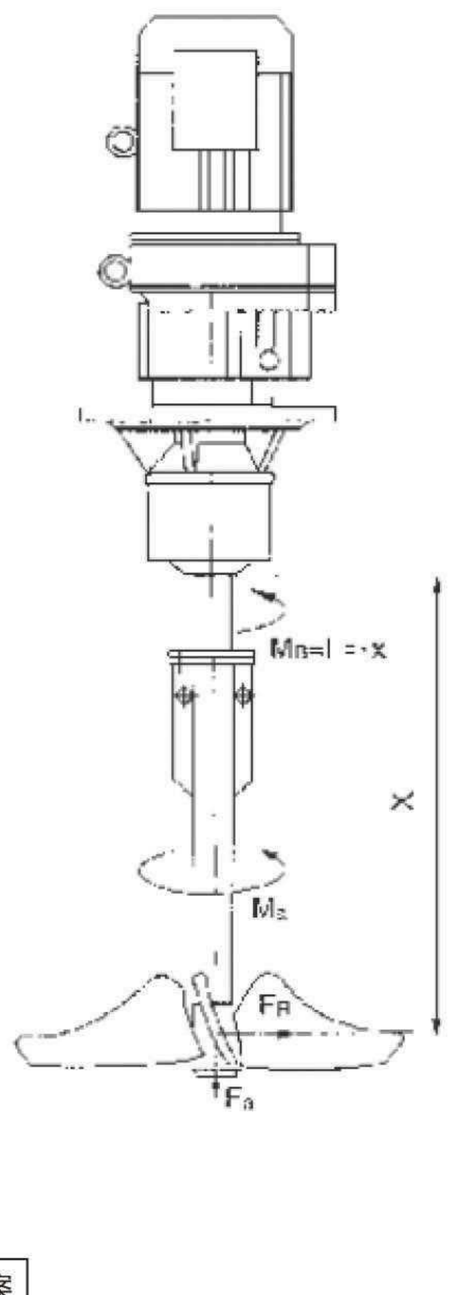
# GRM系列 齿轮减速电机

## GRM...选型 Selection procedure of GRM...

GRM 齿轮减速电机是一种带有扩展输出轴承座的特种齿轮减速电机，可用于大悬挂载荷、大轴向载荷和大变化载荷的场合。其主要性能参数同 GR 系列标准齿轮减速电机，外形及安装尺寸可参考“GRM 齿轮减速电机”部分图。
GRM geared motors are a special type of helical geared motor with an extended output bearing housing. They are specially designed for agitator applications and can be used in applications subject to high overhung and axial loads as well as flexural torque. The remaining data correspond to the standard helical geared motors. You can find special project planning notes for GRM geared motors in “GRM gear units” in the “Project Planning for Gear Units” section.




a=转换系数（查数据表）Conversion factor from data table
b=转换系数（查数据表）Conversion factor from data table
$C_F$=齿轮箱常数（查数据表）Gear–unit constants from data table
$F_a$=运行时的轴向载荷 Axial loads during operation
$F_F$=齿轮箱常数（查数据表）Gear–unit constants from data table
$F_R$=运行时的径向载荷 Overhung loads during operation
$F_{Ra}$=许用径向载荷 Overhung loads during operation
$F_{XF}$=许用轴承座径向载荷（法兰强度）Permissible overhung load on the housing(flange tensile strength)
$F_{XL}$=与轴承使用寿命相关的许用径向载荷Permissible overhung load according to bearing service life
x=力作用点与轴角距离 Distance between force application and shaft shoulder
Ma=输出转距Output torque
$F_{Aa}$许用轴向载荷Permissible axial load



## 许用径向和轴向载荷 Permitted overhung and axial loads

根据不同的服务系数 $f_B$ 和不同的标称轴承使用寿命 $L_{10h}$ 提供下述的许用径向载荷 $F_{Ra}$ 和轴向载荷 $F_{Aa}$。

The permitted overhung loads $F_{Ra}$ and axial loads $F_{Aa}$ are specified for various service factors $f_B$ and nominal bearing service life $L_{10h}$.

$f_{Bmin}$=1.5 / $L_{10h}$=10000h

| | | 输出转速 Output speed $n_a$[rpm] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | <16 | 16-25 | 26-40 | 41-60 | 61-100 | 101-160 | 161-250 | 251-400 |
| GRM57 | $F_{Ra}$[N] | 400 | 400 | 400 | 400 | 400 | 405 | 410 | 415 |
| | $F_{Aa}$[N] | 18800 | 15000 | 11500 | 9700 | 7100 | 5650 | 4450 | 3800 |
| GRM67 | $F_{Ra}$[N] | 575 | 575 | 575 | 580 | 575 | 585 | 590 | 600 |
| | $F_{Aa}$[N] | 19000 | 18900 | 15300 | 11900 | 9210 | 7470 | 5870 | 5050 |
| GRM77 | $F_{Ra}$[N] | 1200 | 1200 | 1200 | 1200 | 1200 | 1210 | 1210 | 1220 |
| | $F_{Aa}$[N] | 22000 | 22000 | 19400 | 15100 | 11400 | 9220 | 7200 | 6710 |
| GRM87 | $F_{Ra}$[N] | 1970 | 1970 | 1970 | 1970 | 1980 | 1990 | 2000 | 2010 |
| | $F_{Aa}$[N] | 30000 | 30000 | 23600 | 18000 | 14300 | 11000 | 8940 | 8030 |
| GRM97 | $F_{Ra}$[N] | 2980 | 2980 | 2990 | 3010 | 3050 | 3060 | 3060 | 3080 |
| | $F_{Aa}$[N] | 40000 | 36100 | 27300 | 20300 | 15900 | 12600 | 9640 | 7810 |
| GRM107 | $F_{Ra}$[N] | 4230 | 4230 | 4230 | 4230 | 4230 | 4230 | 3580 | 3830 |
| | $F_{Aa}$[N] | 48000 | 41000 | 30300 | 23000 | 18000 | 13100 | 9550 | 9030 |
| GRM137 | $F_{Ra}$[N] | 8710 | 8710 | 8710 | 8710 | 7220 | 5060 | 3980 | 6750 |
| | $F_{Aa}$[N] | 70000 | 70000 | 70000 | 57600 | 46900 | 44000 | 35600 | 32400 |
| GRM147 | $F_{Ra}$[N] | 11100 | 11100 | 11100 | 11100 | 10600 | 10600 | 8640 | 10800 |
| | $F_{Aa}$[N] | 70000 | 70000 | 69700 | 58400 | 45600 | 38000 | 32800 | 30800 |
| GRM167 | $F_{Ra}$[N] | 14600 | 14600 | 14600 | 14600 | 14600 | 14700 | | |
| | $F_{Aa}$[N] | 70000 | 70000 | 70000 | 60300 | 45300 | 36900 | | |

$f_{Bmin}$=2.0 / $L_{10h}$=25000h

| | | 输出转速 Output speed $n_a$[rpm] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | <16 | 16-25 | 26-40 | 41-60 | 61-100 | 101-160 | 161-250 | 251-400 |
| GRM57 | $F_{Ra}$[N] | 410 | 410 | 410 | 410 | 410 | 415 | 415 | 420 |
| | $F_{Aa}$[N] | 12100 | 9600 | 7350 | 6050 | 4300 | 3350 | 2600 | 2200 |
| GRM67 | $F_{Ra}$[N] | 590 | 590 | 590 | 595 | 590 | 595 | 600 | 605 |
| | $F_{Aa}$[N] | 15800 | 12000 | 9580 | 7330 | 5580 | 4460 | 3460 | 2930 |
| GRM77 | $F_{Ra}$[N] | 1210 | 1210 | 1210 | 1210 | 1210 | 1220 | 1220 | 1220 |
| | $F_{Aa}$[N] | 20000 | 15400 | 11900 | 9070 | 6670 | 5280 | 4010 | 3700 |
| GRM87 | $F_{Ra}$[N] | 2000 | 2000 | 2000 | 2000 | 2000 | 1720 | 1690 | 1710 |
| | $F_{Aa}$[N] | 24600 | 19200 | 14300 | 10600 | 8190 | 6100 | 5490 | 4860 |
| GRM97 | $F_{Ra}$[N] | 3040 | 3040 | 3040 | 3050 | 3070 | 3080 | 2540 | 2430 |
| | $F_{Aa}$[N] | 28400 | 22000 | 16200 | 11600 | 8850 | 6840 | 5830 | 4760 |
| GRM107 | $F_{Ra}$[N] | 4330 | 4330 | 4330 | 4330 | 4330 | 3350 | 2810 | 2990 |
| | $F_{Aa}$[N] | 32300 | 24800 | 17800 | 13000 | 9780 | 8170 | 5950 | 5620 |
| GRM137 | $F_{Ra}$[N] | 8850 | 8850 | 8850 | 8830 | 5660 | 4020 | 3200 | 5240 |
| | $F_{Aa}$[N] | 70000 | 59900 | 48000 | 37900 | 33800 | 31700 | 25600 | 23300 |
| GRM147 | $F_{Ra}$[N] | 11400 | 11400 | 11400 | 11400 | 11400 | 8320 | 6850 | 8440 |
| | $F_{Aa}$[N] | 70000 | 60600 | 45900 | 39900 | 33500 | 27900 | 24100 | 22600 |
| GRM167 | $F_{Ra}$[N] | 15100 | 15100 | 15100 | 15100 | 15100 | 13100 | | |
| | $F_{Aa}$[N] | 70000 | 63500 | 51600 | 37800 | 26800 | 23600 | | |

## 转换系数和减速机常数

## Conversion factors and gear unit constants

计算 GRM 齿轮减速电机额定径向载荷 $F_{xL}$(x≠1000mm)的转换系数:

The following conversion factors and gear unit constants apply to calculating the approved overhung load $F_{xL}$ at point x≠1000mm for GRM geared motors:

| 机型号 Type size | a | b | $c_F(f_B=1.5)$ | $c_F(f_B=2.0)$ | $F_F$ |
|---|---|---|---|---|---|
| GRM57 | 1047 | 47 | 1220600 | 1260400 | 277 |
| GRM67 | 1047 | 47 | 2047600 | 2100000 | 297.5 |
| GRM77 | 1050 | 50 | 2512800 | 2574700 | 340.5 |
| GRM87 | 1056.5 | 56.5 | 4917800 | 5029000 | 414 |
| GRM97 | 1061 | 61 | 10911600 | 11124100 | 481 |
| GRM107 | 1069 | 69 | 15367000 | 15652000 | 554.5 |
| GRM137 | 1088 | 88 | 25291700 | 25993600 | 650 |
| GRM147 | 1091 | 91 | 30038700 | 31173900 | 756 |
| GRM167 | 1089.5 | 89.5 | 42096100 | 43654300 | 869 |

## GRM 减速机的增加重量

## Additional weights of GRM gear units

| 型号 Type | 用 GRF 系列最小的法兰所增加的重量表 Additional weight in addition to GRF, related to the smallest GRF flange | △m[kg] |
|---|---|---|
| GRM57 | 12 | |
| GRM67 | 15.8 | |
| GRM77 | 25 | |
| GRM87 | 29.7 | |
| GRM97 | 51.3 | |
| GRM107 | 88 | |
| GRM137 | 111.1 | |
| GRM147 | 167.4 | |
| GRM167 | 195.4 | |

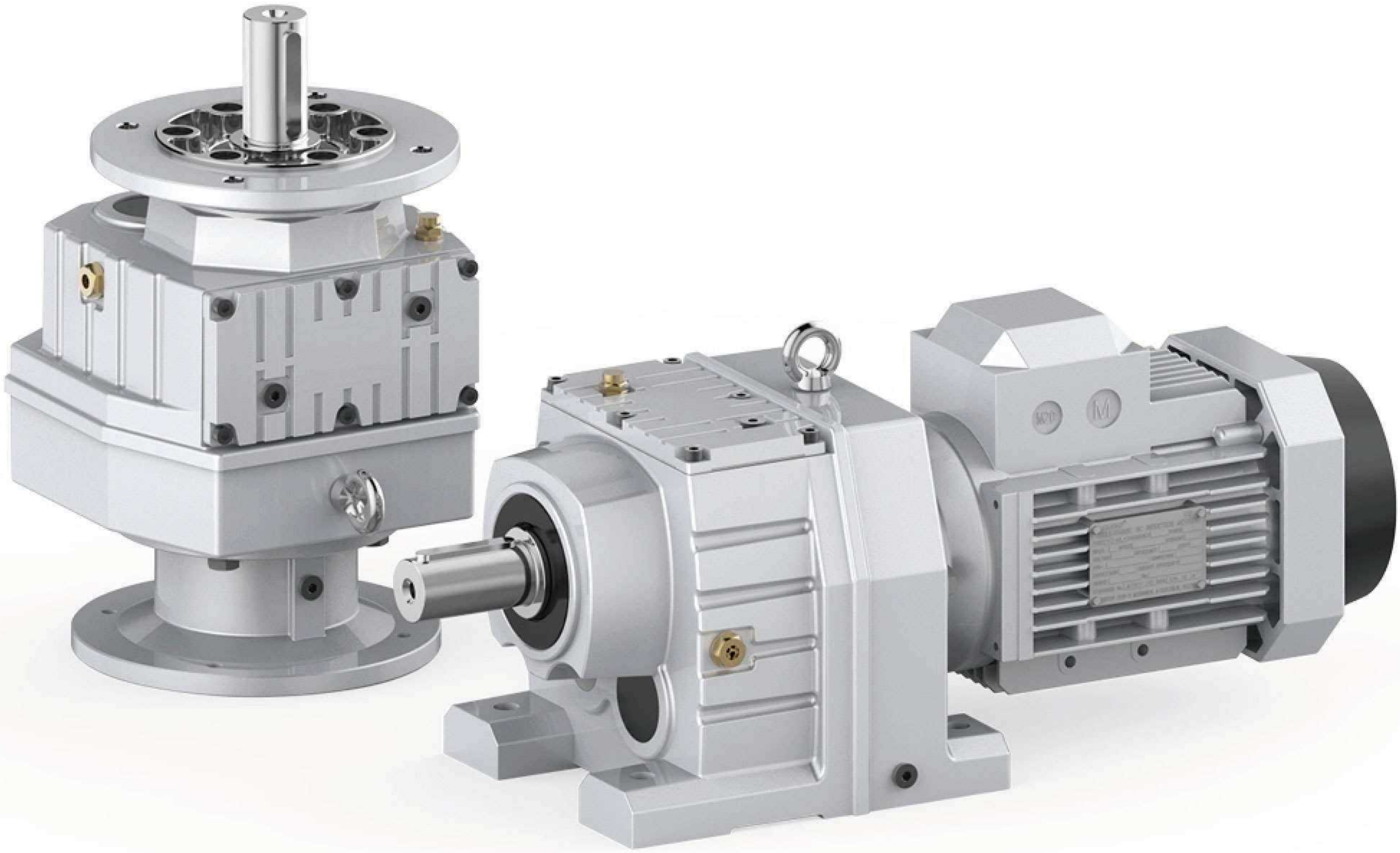
# GR
# SERIES

R

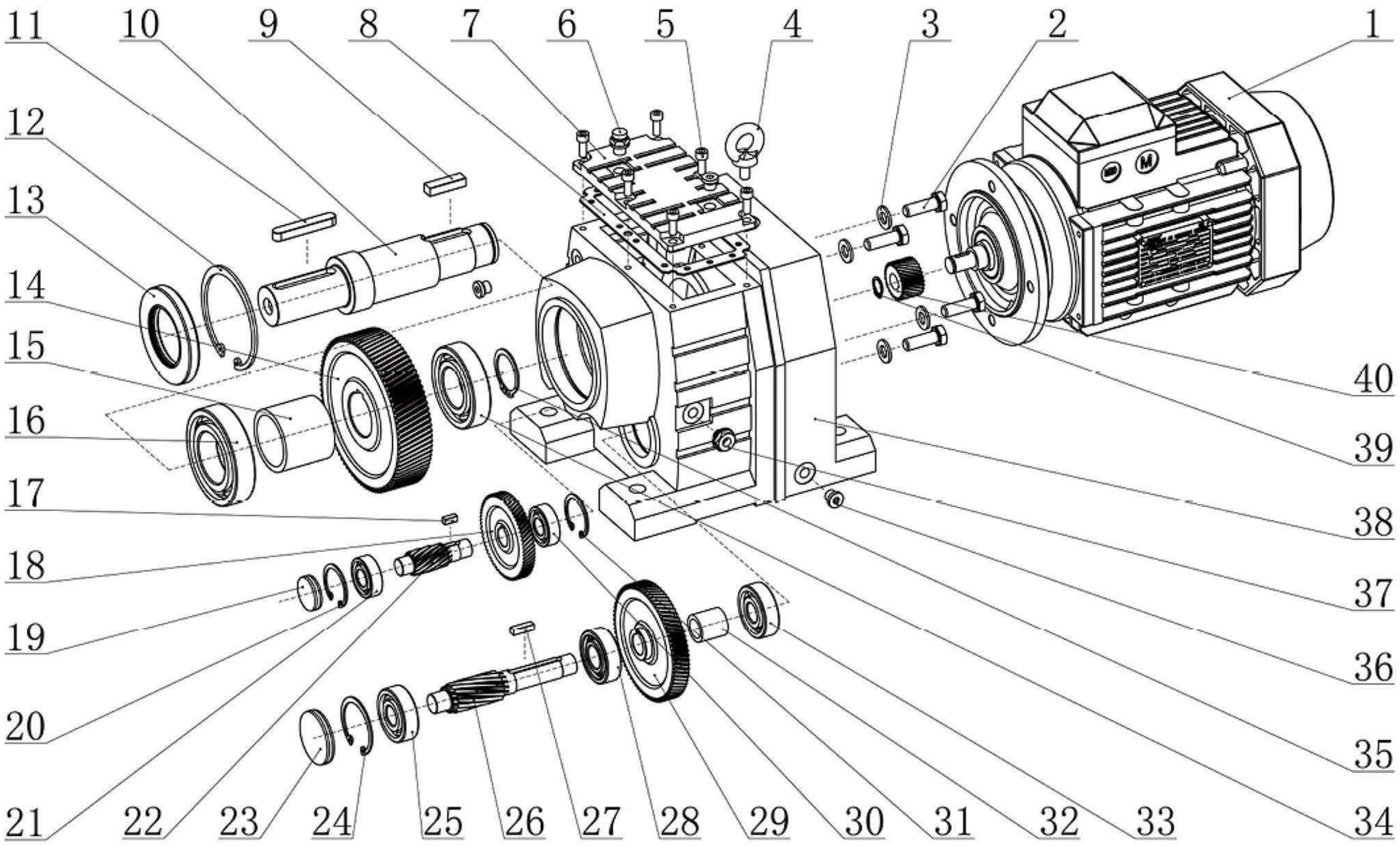
★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。



R




# R系列爆炸图

| | | | |
|---|---|---|---|
| 1.电机 | 11.平键 | 21.齿轮 | 31.孔用挡圈 |
| 2.螺栓 | 12.孔用挡圈 | 22.齿轴 | 32.轴套 |
| 3.平垫圈 | 13.骨架油封 | 23.平面油封 | 33.轴承 |
| 4.吊环 | 14.齿轮 | 24.孔用挡圈 | 34.轴承 |
| 5.螺钉 | 15.轴套 | 25.轴承 | 35.轴用挡圈 |
| 6.通气帽 | 16.轴承 | 26.齿轴 | 36.螺塞 |
| 7.箱盖 | 17.平键 | 27.平键 | 37.油镜 |
| 8.密封垫 | 18.齿轮 | 28.轴承 | 38.箱体 |
| 9.平键 | 19.平面油封 | 29.齿轮 | 39.轴用挡圈 |
| 10.输出轴 | 20.孔用挡圈 | 30.轴承 | 40.齿轮 |

# GR系列 斜齿轮减速电机

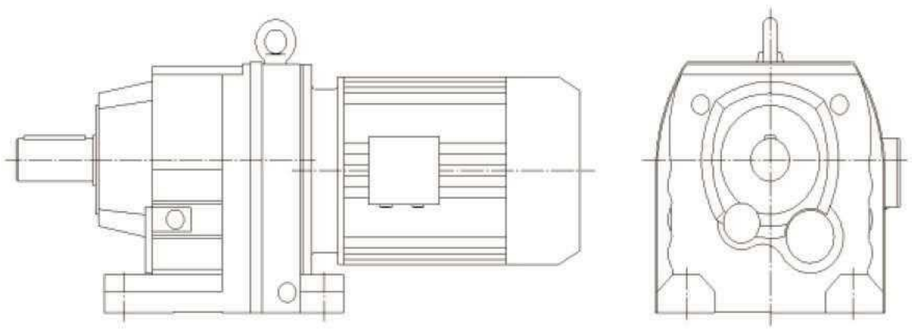
## 结构形式说明　Dimensional Description

GR 系列输入轴和输出轴有小偏心，由单级、二级或三级斜齿轮构成。

The input shafts and output shafts of GR series have small eccentricity. Units of GR series consist of single-stage, two-stage or three-stage helical gears.

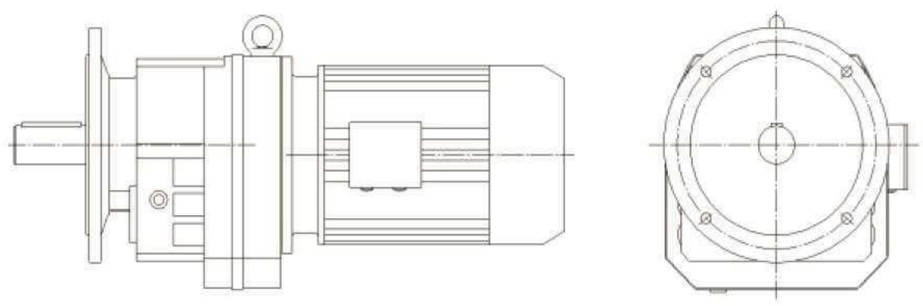
**1.GR 型：**底脚安装。

**Type GR:** Foot mounted.



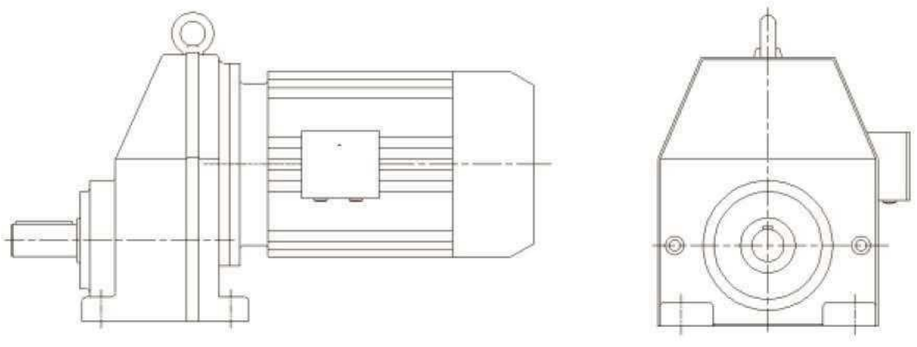
**2.GRF 型：**B5 法兰安装。

**Type GRF:** B5 flange mounted.



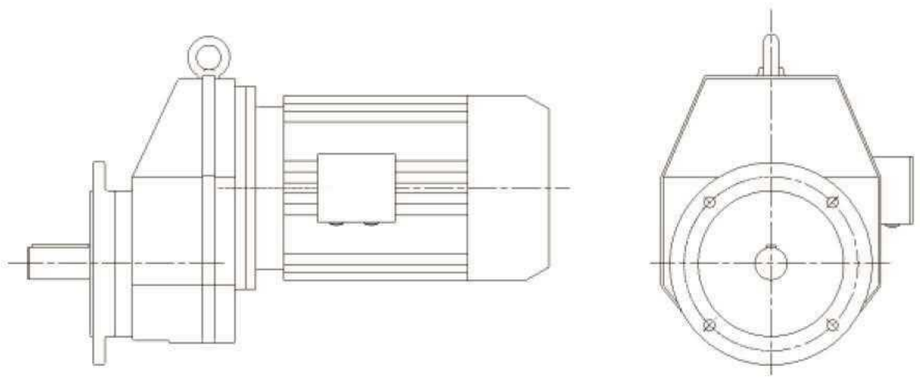
**3.GRX 型：**底脚安装，单级传动。

**Type GRX:** Foot mounted. Single stage.



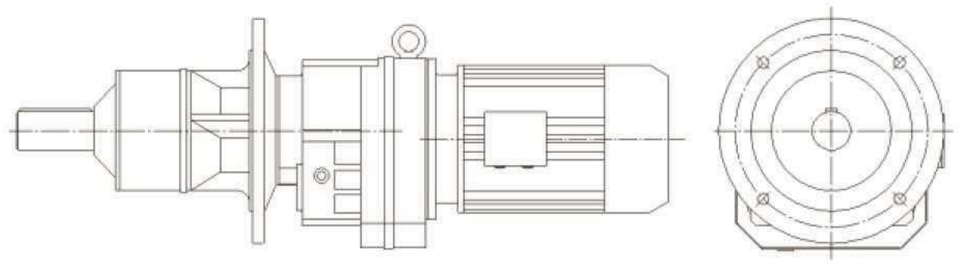
**4. GRXF 型：**B5 法兰安装，单级传动。

**Type GRXF:** B5 flange mounted. Single stage.



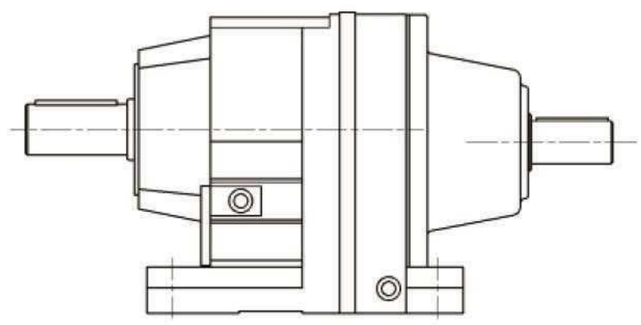
**5.GRM 型：**法兰安装，带有加长轴承箱。

**Type GRM:** Flange mounted. Extended bearing housing.



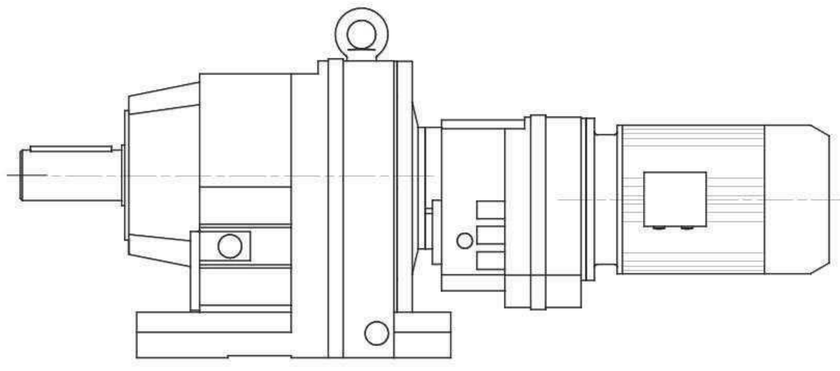
**6.GR..AD..型：**输入轴型。

**Type GR..AD..:** Input shaft types.



**7.GR..R 型：**两个 GR 系列的组合。

**Type GR..R:** Combined types of two type GR.



R

# GR 系列机型号表示方法　Type Expression of GR Series

G　RF 79 - Y1.5 - 4P - 52.07 - M2 - D300 - 270° - 3 - IEC(ZPIEC)

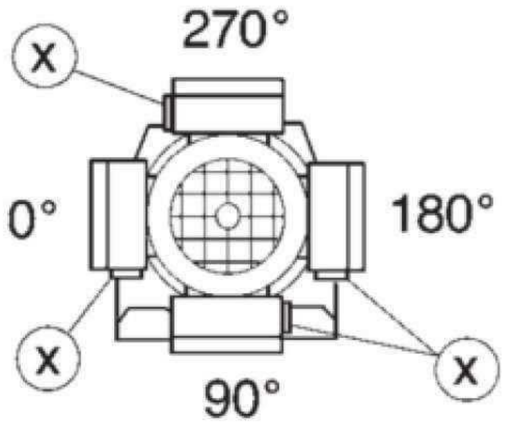
- IEC(ZPIEC)：法兰联接式(用户自配电机) Flange connection (without motor)
- 3：入线口位置 Position of cable entry
- 270°：电机接线盒方向（角度）（参见电机接线盒位置表示方法） Terminal box position (angle) (see description of motor terminal box position)
- D300：空心轴输出时，输出轴孔径（参见安装结构尺寸图表） Bore diameter of selected output shaft (see mounting dimensional description)
- M2：安装形式（参见安装形式图例） Mounting arrangement (see mounting arrangement description)
- 52.07：传动比（参见选型参数表） Ratio (see selection table)
- 4P：电机极数（参见选型参数表） Pole number of motor (see selection table)
- Y1.5：电机系列代号和功率（参见选型参数表） Motor type and motor power （see selection table）
- RF 79：机型和规格号（参见选型参数表和安装结构尺寸图表） Type size （see selection table and mounting dimensional description）
- G：公司代号 G G, symbol of company

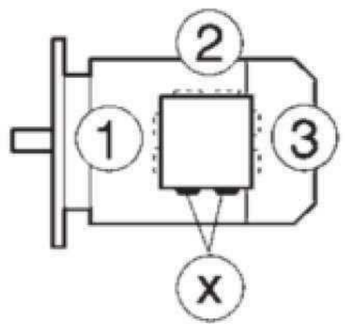
注：　1、需带联接法兰时请注明 IEC。
　　2、输入轴型没有电机各项内容。
　　3、不注明减速机的安装形式时，则默认为安装形式中的 M1 位置。不注明接线盒方向时，则默认为安装形式中的 0 度位置。不注明入线口位置时，则默认为 X 位置。
　　4、对输出轴旋转方向和输入轴旋转方向有特别要求的用户，请与技术部联系，并在订货时用简图或文字说明。

Note: 1、Please make a note, if it needs connecting flange.
　　2、Contents of motors for input shaft types are not listed.
　　3、It is M1,When the mounting arrangement of the reducer is not mentioned.Degree=0°,if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.
　　4、If specific rotation directions of output shaft or/and input shaft are specially requested, please contact our technology department, and make detailed description while placing order.

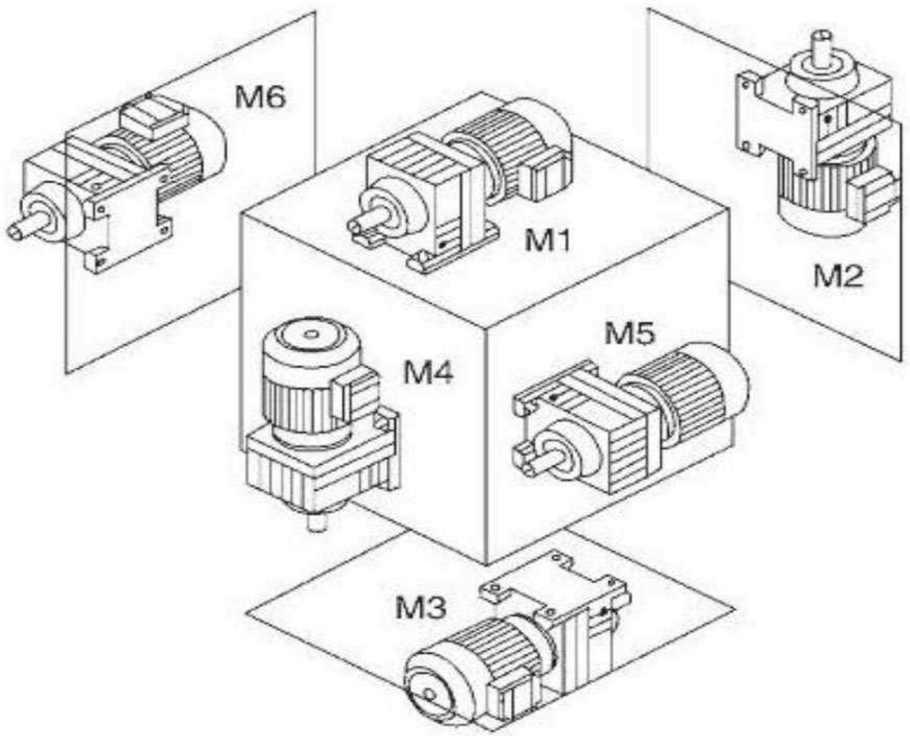
## 电机接线盒位置及入线口位置表示方法

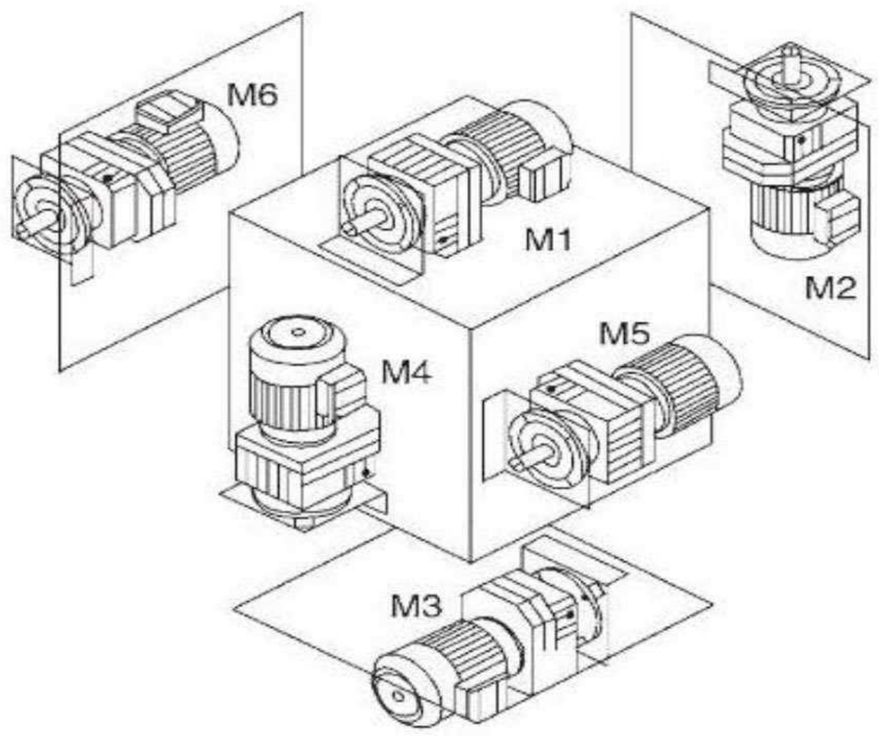
## Description of Motor Terminal Box Position and Cable Entry Position



## 安装形式图例　Mounting Arrangements Description




安装形式定义：

M1-电机水平放置；减速机底脚(GR、GRX 型)或底部（GRF、GRXF 型）朝下。

M2-电机居下。

M3-电机水平放置；减速机底脚(GR、GRX 型)或底部（GRF、GRXF 型）朝上。

M4-电机居上。

M5-电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到下方位置。

M6-电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到上方位置。

Mounting arrangements are defined as following:

M1-horizontally mounted motor,unit foot (for GR,GRX) or unit base (for GRF,GRXF) is at bottom.

M2-motor is vertically mounted downwards.

M3-horizontally mounted motor,unit foot (for GR,GRX) or unit base (for GRF,GRXF) is top.

M4-motor is vertically mounted upwards.

M5-horizontally mounted motor,if placed on M1 position,left side of unit turns to bottom(view point:towards from motor side).

M6-horizontally mounted motor,if placed on M1 position,left side of unit turns to top(view point:towards from motor side).

## 减速机重量　Gear Unit Weight

| 机型号 Type size | GR17 | GR27 | GR37 | GR47 | GR57 | GR67 | GR77 | GR87 | GR97 | GR107 | GR137 | GR147 | GR169 | GR177 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 重量(kg) Weight | 5 | 6 | 7.5 | 13 | 21 | 25 | 35 | 67 | 100 | 187 | 280 | 450 | 735 | 1250 |
| 机型号 Type size | GRX57 | GRX67 | GRX77 | GRX87 | GRX97 | GRX107 | GRX137 | | | | | | | |
| 重量(kg) Weight | 11 | 15 | 25 | 47 | 80 | 115 | 130 | | | | | | | |

注:重量为平均值，不包括电机、联接法兰，仅供参考。

(Note: The weights mean values without the motor and IEC flange, only for reference.)

## 选型参数表注释　Description of Selection Table

恒功率　Constant power

| $n_a$ [r/min] | Ma [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|

输出转速 Output speed　输出转矩 Output torque　减速比 Ratio　许用径向载荷 Permissible radial load　使用系数 Service factor

恒转矩　Constant torque

| Mamax [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|

最大输出转矩 Max.output torque　输出转速 Output speed　减速比 Ratio　许用径向载荷 Permissible radial load　电机功率 Motor power

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 0.06 | 16850 | 21342 | 56 | 0.80 | **GR147R77 GRF147R77** | **4P** |
| 0.07 | 14370 | 18201 | 61 | 0.95 | | |
| 0.08 | 12571 | 15923 | 64 | 1.10 | | |
| 0.09 | 11112 | 14075 | 65 | 1.25 | | |
| 0.11 | 9746 | 12344 | 67 | 1.40 | **GR147R77 GRF147R77** | **4P** |
| 0.12 | 8798 | 11143 | 68 | 1.60 | | |
| 0.13 | 7692 | 9743 | 69 | 1.80 | | |
| 0.16 | 6666 | 8443 | 69 | 2.10 | | |
| 0.18 | 5769 | 7307 | 70 | 2.40 | | |
| 0.20 | 5090 | 6447 | 70 | 2.70 | | |
| 0.24 | 4396 | 5568 | 70 | 3.20 | | |
| 0.10 | 10201 | 12921 | 50 | 0.85 | **GR137R77 GRF137R77** | **4P** |
| 0.11 | 9247 | 11712 | 52 | 0.90 | | |
| 0.12 | 8348 | 10573 | 54 | 1.00 | | |
| 0.15 | 6935 | 8784 | 55 | 1.20 | | |
| 0.18 | 5905 | 7479 | 56 | 1.45 | | |
| 0.20 | 5178 | 6559 | 57 | 1.65 | | |
| 0.22 | 4606 | 5834 | 57 | 1.85 | | |
| 0.26 | 4039 | 5116 | 57 | 2.10 | | |
| 0.17 | 5987 | 7583 | 27 | 0.80 | **GR107R77 GRF107R77** | **4P** |
| 0.19 | 5324 | 6743 | 30 | 0.85 | | |
| 0.22 | 4669 | 5914 | 31 | 1.00 | | |
| 0.25 | 4080 | 5168 | 33 | 1.10 | | |
| 0.30 | 3502 | 4435 | 34 | 1.30 | | |
| 0.34 | 3076 | 3896 | 35 | 1.50 | | |
| 0.43 | 2399 | 3039 | 35 | 1.90 | | |
| 0.33 | 3093 | 3918 | 34 | 1.45 | **GR107R77 GRF107R77** | **4P** |
| 0.39 | 2639 | 3343 | 35 | 1.70 | | |
| 0.43 | 2395 | 3034 | 35 | 1.90 | | |
| 0.49 | 2095 | 2653 | 35 | 2.15 | | |
| 0.57 | 1800 | 2280 | 35 | 2.50 | | |
| 0.63 | 1632 | 2067 | 36 | 2.80 | | |
| 0.29 | 3599 | 4559 | 20 | 0.90 | **GR97R57 GRF97R57** | **4P** |
| 0.33 | 3161 | 4004 | 23 | 1.00 | | |
| 0.38 | 2748 | 3481 | 24 | 1.15 | | |
| 0.28 | 3693 | 4678 | 3.8 | 0.85 | **GR97R57 GRF97R57** | **4P** |
| 0.30 | 3402 | 4309 | 20 | 0.95 | | |
| 0.35 | 2923 | 3702 | 23 | 1.10 | | |
| 0.43 | 2384 | 3019 | 25 | 1.30 | | |
| 0.49 | 2106 | 2668 | 26 | 1.50 | | |
| 0.58 | 1772 | 2245 | 26 | 1.80 | | |
| 0.65 | 1592 | 2016 | 27 | 2.00 | | |
| 0.76 | 1368 | 1733 | 27 | 2.30 | | |
| 0.43 | 2420 | 3065 | 25 | 1.30 | **GR97R57 GRF97R57** | **4P** |
| 0.48 | 2149 | 2722 | 26 | 1.50 | | |
| 0.57 | 1825 | 2311 | 26 | 1.75 | | |
| 0.63 | 1641 | 2078 | 26 | 1.95 | | |
| 0.72 | 1439 | 1823 | 27 | 2.20 | | |
| 0.83 | 1250 | 1583 | 27 | 2.55 | | |
| 0.94 | 1102 | 1396 | 27 | 2.90 | | |
| 1.1 | 970 | 1228 | 27 | 3.30 | | |
| 0.45 | 2278 | 2885 | 15 | 0.80 | **GR87R57 GRF87R57** | **4P** |
| 0.67 | 1555 | 1969 | 18 | 1.05 | | |
| 0.47 | 2196 | 2781 | 10 | 0.80 | **GR87R57 GRF87R57** | **4P** |
| 0.50 | 2057 | 2606 | 15 | 0.80 | | |
| 0.61 | 1688 | 2138 | 17 | 0.95 | | |
| 0.68 | 1530 | 1938 | 18 | 1.05 | | |
| 0.75 | 1374 | 1740 | 18 | 1.20 | | |
| 0.75 | 1377 | 1744 | 19 | 1.20 | **GR87R57 GRF87R57** | **4P** |
| 0.86 | 1208 | 1530 | 19 | 1.35 | | |
| 1.0 | 1033 | 1308 | 19 | 1.60 | | |
| 1.1 | 906 | 1148 | 19 | 1.80 | | |
| 1.5 | 702 | 889 | 19 | 2.35 | | |
| 1.7 | 616 | 780 | 19 | 2.65 | | |
| 1.9 | 543 | 688 | 19 | 3.00 | | |
| 2.2 | 474 | 601 | 19 | 3.50 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 0.92 | 1129 | 1430 | 7.8 | 0.80 | **GR77R37 GRF77R37** | **4P** |
| 1.0 | 1029 | 1303 | 8.6 | 0.85 | | |
| 1.2 | 887 | 1124 | 10 | 1.00 | | |
| 1.3 | 827 | 1047 | 10 | 1.05 | | |
| 1.4 | 722 | 915 | 11 | 1.20 | | |
| 0.94 | 1101 | 1394 | 8.2 | 0.80 | **GR77R37 GRF77R37** | **4P** |
| 1.1 | 962 | 1218 | 10 | 0.90 | | |
| 1.2 | 856 | 1084 | 10 | 1.00 | | |
| 1.4 | 742 | 940 | 11 | 1.15 | | |
| 1.6 | 648 | 821 | 11 | 1.35 | | |
| 1.8 | 577 | 731 | 12 | 1.50 | | |
| 2.0 | 510 | 646 | 12 | 1.70 | | |
| 2.5 | 411 | 520 | 12 | 2.10 | **GR77R37 GRF77R37** | **4P** |
| 2.9 | 356 | 451 | 12 | 2.45 | | |
| 3.1 | 333 | 422 | 12 | 2.60 | | |
| 3.6 | 288 | 365 | 12 | 3.00 | | |
| 1.4 | 755 | 956 | 5.7 | 0.85 | **GR67R37 GRF67R37** | **4P** |
| 1.5 | 703 | 891 | 7.1 | 0.90 | | |
| 1.8 | 576 | 730 | 8.2 | 1.10 | | |
| 2.0 | 508 | 644 | 8.7 | 1.25 | | |
| 2.3 | 451 | 571 | 9.0 | 1.40 | | |
| 2.7 | 384 | 486 | 9.3 | 1.65 | | |
| 1.6 | 660 | 836 | 7.6 | 0.95 | **GR67R37 GRF67R37** | **4P** |
| 1.7 | 592 | 750 | 8.4 | 1.05 | | |
| 2.0 | 510 | 646 | 8.7 | 1.25 | | |
| 2.3 | 453 | 574 | 9.0 | 1.40 | | |
| 2.6 | 391 | 495 | 9.3 | 1.60 | | |
| 3.0 | 346 | 438 | 9.5 | 1.85 | | |
| 1.7 | 617 | 782 | 5.4 | 0.80 | **GR57R37 GRF57R37** | **4P** |
| 1.9 | 535 | 678 | 6.8 | 0.90 | | |
| 2.2 | 477 | 604 | 7.0 | 1.00 | | |
| 2.4 | 424 | 537 | 7.1 | 1.10 | | |
| 2.8 | 372 | 471 | 7.2 | 1.30 | | |
| 3.7 | 282 | 357 | 7.4 | 1.70 | | |
| 4.1 | 252 | 319 | 7.4 | 1.90 | | |
| 3.6 | 283 | 359 | 7.4 | 1.70 | **GR57R37 GRF57R37** | **4P** |
| 4.0 | 256 | 324 | 7.4 | 1.85 | | |
| 4.5 | 229 | 290 | 7.5 | 2.10 | | |
| 5.0 | 207 | 262 | 7.5 | 2.30 | | |
| 5.3 | 194 | 246 | 7.5 | 2.45 | | |
| 6.0 | 174 | 220 | 7.5 | 2.75 | | |
| 2.3 | 452 | 572 | 2.4 | 0.80 | **GR47R37 GRF47R37** | **4P** |
| 2.6 | 403 | 510 | 4.9 | 0.80 | | |
| 3.0 | 344 | 436 | 5.3 | 0.90 | | |
| 3.2 | 322 | 408 | 5.3 | 1.00 | | |
| 3.8 | 272 | 344 | 5.5 | 1.15 | | |
| 2.6 | 396 | 502 | 3.6 | 0.80 | **GR47R37 GRF47R37** | **4P** |
| 3.1 | 339 | 429 | 5.2 | 0.95 | | |
| 3.5 | 294 | 372 | 5.4 | 1.10 | | |
| 3.8 | 275 | 348 | 5.4 | 1.15 | | |
| 4.4 | 238 | 301 | 5.5 | 1.35 | | |
| 5.1 | 201 | 255 | 5.7 | 1.55 | | |
| 5.7 | 180 | 228 | 5.7 | 1.75 | | |
| 6.7 | 154 | 195 | 5.7 | 2.10 | | |
| 3.9 | 267 | 338 | 4.5 | 0.80 | **GR37R17 GRF37R17** | **4P** |
| 4.4 | 234 | 296 | 4.7 | 0.90 | | |
| 5.1 | 204 | 259 | 5.0 | 1.00 | | |
| 5.7 | 180 | 228 | 5.1 | 1.15 | | |
| 6.6 | 157 | 199 | 5.3 | 1.35 | | |
| 7.6 | 136 | 172 | 5.4 | 1.55 | | |
| 4.0 | 259 | 328 | 4.3 | 0.80 | **GR37R17 GRF37R17** | **4P** |
| 4.5 | 228 | 289 | 4.7 | 0.90 | | |
| 4.9 | 209 | 265 | 4.9 | 1.00 | | |
| 5.8 | 178 | 226 | 5.2 | 1.20 | | |
| 6.5 | 159 | 202 | 5.3 | 1.30 | | |
| 7.3 | 141 | 179 | 5.4 | 1.50 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 5.7 | 181 | 229 | 3.9 | 0.80 | **GR27R17 GRF27R17** | **4P** |
| 6.6 | 158 | 200 | 4.0 | 0.85 | | |
| 7.4 | 140 | 177 | 4.1 | 1.00 | | |
| 7.9 | 131 | 166 | 4.1 | 1.05 | | |
| 5.8 | 179 | 227 | 3.9 | 0.80 | **GR27R17 GRF27R17** | **4P** |
| 6.5 | 160 | 203 | 4.0 | 0.85 | | |
| 7.3 | 141 | 179 | 4.1 | 1.00 | | |
| 8.4 | 123 | 156 | 4.1 | 1.10 | | |
| 4.4 | 250 | 195.24 | 12 | 3.30 | **GR77 GRF77** | **6P*** |
| 5.1 | 213 | 166.59 | 12 | 3.90 | | |
| 5.8 | 187 | 145.67 | 12 | 4.40 | | |
| 4.3 | 256 | 199.81 | 10 | 2.40 | **GR67 GRF67** | **6P*** |
| 4.6 | 236 | 184.07 | 10 | 2.60 | | |
| 5.4 | 203 | 158.14 | 10 | 3.00 | | |
| 6.2 | 176 | 137.67 | 10 | 3.40 | | |
| 6.6 | 165 | 128.97 | 10 | 3.70 | | |
| 7.5 | 90 | 113.94 | 10 | 4.10 | | |
| 6.6 | 166 | 199.81 | 10 | 3.60 | **GR67 GRF67** | **4P** |
| 7.1 | 153 | 184.07 | 10 | 3.90 | | |
| 4.5 | 239 | 186.89 | 7.4 | 1.90 | **GR57 GRF57** | **6P*** |
| 4.9 | 221 | 172.17 | 7.4 | 2.00 | | |
| 5.7 | 189 | 147.92 | 7.5 | 2.40 | | |
| 6.6 | 165 | 128.77 | 7.5 | 2.70 | | |
| 7.0 | 155 | 120.63 | 7.5 | 2.90 | | |
| 8.0 | 137 | 106.58 | 7.6 | 3.30 | | |
| 8.6 | 127 | 98.99 | 7.6 | 3.60 | | |
| 7.0 | 155 | 186.89 | 7.5 | 2.90 | **GR57 GRF57** | **4P** |
| 7.6 | 143 | 172.17 | 7.5 | 3.20 | | |
| 8.9 | 123 | 147.92 | 7.6 | 3.70 | | |
| 10.2 | 107 | 128.77 | 7.6 | 4.20 | | |
| 4.8 | 227 | 176.88 | 5.5 | 1.35 | **GR47 GRF47** | **6P*** |
| 5.2 | 209 | 162.94 | 5.5 | 1.45 | | |
| 6.1 | 179 | 139.99 | 5.6 | 1.70 | | |
| 7.0 | 156 | 121.87 | 5.7 | 1.95 | | |
| 7.4 | 147 | 176.88 | 5.7 | 2.00 | **GR47 GRF47** | **4P** |
| 8.0 | 135 | 162.94 | 5.7 | 2.20 | | |
| 9.4 | 116 | 139.99 | 5.8 | 2.60 | | |
| 11 | 101 | 121.87 | 5.8 | 3.00 | | |
| 11 | 95 | 114.17 | 5.8 | 3.20 | | |
| 13 | 84 | 100.86 | 5.8 | 3.60 | | |
| 14 | 78 | 93.68 | 5.8 | 3.90 | | |
| 6.3 | 167 | 134.82 | 5.0 | 1.15 | **GR37 GRF37** | **6P*** |
| 6.9 | 153 | 123.66 | 5.1 | 1.25 | | |
| 8.1 | 131 | 105.28 | 5.3 | 1.50 | | |
| 9.4 | 113 | 90.77 | 5.4 | 1.75 | | |
| 10 | 105 | 84.61 | 5.5 | 1.85 | | |
| 11 | 92 | 73.96 | 5.6 | 2.10 | | |
| 9.7 | 109 | 134.82 | 5.5 | 1.80 | **GR37 GRF37** | **4P** |
| 11 | 100 | 123.66 | 5.5 | 1.95 | | |
| 12 | 85 | 105.28 | 5.6 | 2.30 | | |
| 14 | 73 | 90.77 | 5.6 | 2.70 | | |
| 15 | 68 | 84.61 | 5.7 | 2.80 | | |
| 18 | 60 | 73.96 | 5.7 | 3.30 | | |
| 6.9 | 154 | 123.91 | 3.9 | 0.80 | **GR27 GRF27** | **6P*** |
| 8.1 | 131 | 105.49 | 4.0 | 0.95 | | |
| 9.3 | 113 | 90.96 | 4.1 | 1.10 | | |
| 10 | 105 | 84.78 | 4.1 | 1.20 | | |
| 11 | 92 | 74.11 | 4.2 | 1.40 | | |
| 9.7 | 109 | 135.09 | 4.1 | 1.15 | **GR27 GRF27** | **4P** |
| 11 | 100 | 123.91 | 4.1 | 1.25 | | |
| 12 | 85 | 105.49 | 4.2 | 1.50 | | |
| 14 | 73 | 90.96 | 4.2 | 1.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 15 | 68 | 84.78 | 4.2 | 1.85 | **GR27 GRF27** | **4P** |
| 18 | 60 | 74.11 | 4.2 | 2.10 | | |
| 19 | 56 | 69.47 | 4.2 | 2.20 | | |
| 21 | 49 | 61.30 | 4.2 | 2.50 | | |
| 23 | 45 | 55.87 | 4.1 | 2.80 | | |
| 27 | 39 | 48.17 | 3.9 | 3.20 | | |
| 29 | 36 | 44.90 | 3.8 | 3.50 | | |
| 10 | 101 | 81.64 | 0.3 | 0.80 | **GR17 GRF17** | **6P*** |
| 12 | 87 | 70.39 | 1.4 | 0.95 | | |
| 13 | 81 | 65.61 | 1.8 | 1.00 | | |
| 15 | 71 | 57.35 | 2.3 | 1.15 | | |
| 16 | 67 | 53.76 | 2.4 | 1.25 | | |
| 18 | 59 | 47.44 | 2.4 | 1.40 | | |
| 16 | 66 | 81.64 | 2.4 | 1.25 | **GR17 GRF17** | **4P** |
| 19 | 57 | 70.39 | 2.4 | 1.45 | | |
| 20 | 53 | 65.61 | 2.4 | 1.55 | | |
| 23 | 46 | 57.35 | 2.4 | 1.80 | | |
| 24 | 43 | 53.76 | 2.4 | 1.90 | | |
| 28 | 38 | 47.44 | 2.4 | 2.20 | | |
| 30 | 36 | 44.18 | 2.4 | 2.30 | | |
| 34 | 31 | 38.61 | 2.3 | 2.70 | | |
| 36 | 29 | 36.20 | 2.3 | 2.80 | | |
| 41 | 26 | 31.94 | 2.2 | 3.20 | | |
| 46 | 23 | 28.32 | 2.1 | 3.60 | | |
| 54 | 19 | 24.07 | 2.0 | 4.20 | | |
| 52 | 20 | 25.23 | 2.1 | 4.10 | **GR17 GRF17** | **4P** |
| 57 | 19 | 23.15 | 2.0 | 4.40 | | |
| 66 | 16 | 19.71 | 1.9 | 5.20 | | |
| 77 | 14 | 16.99 | 1.8 | 6.00 | | |
| 83 | 13 | 15.84 | 1.8 | 6.40 | | |
| 95 | 11 | 13.84 | 1.7 | 7.40 | | |
| 101 | 10 | 12.98 | 1.7 | 7.90 | | |
| 114 | 9.2 | 11.45 | 1.6 | 8.50 | | |
| 129 | 8.2 | 10.15 | 1.6 | 9.20 | | |
| 152 | 6.9 | 8.63 | 1.5 | 10 | | |
| 174 | 6.1 | 7.55 | 1.4 | 8.90 | | |
| 186 | 5.7 | 7.04 | 1.4 | 9.50 | | |
| 213 | 4.9 | 6.15 | 1.3 | 11 | | |
| 227 | 4.6 | 5.76 | 1.3 | 11 | | |
| 257 | 4.1 | 5.09 | 1.3 | 12 | | |
| 290 | 3.6 | 4.51 | 1.2 | 13 | | |
| 342 | 3.1 | 3.83 | 1.1 | 14 | | |
| 216 | 5.2 | 6.07 | 4.1 | 8.60 | **GRX67 GRXF67** | **4P** |
| 253 | 4.4 | 5.18 | 3.8 | 17 | | |
| 289 | 3.9 | 4.53 | 3.7 | 22 | | |
| 305 | 3.7 | 4.30 | 3.6 | 22 | | |
| 238 | 4.7 | 5.50 | 3.2 | 8.50 | **GRX57 GRXF57** | **4P** |
| 258 | 4.3 | 5.07 | 3.1 | 8.60 | | |
| 301 | 3.7 | 4.35 | 3.0 | 19 | | |
| 346 | 3.2 | 3.79 | 2.8 | 22 | | |
| 369 | 3.0 | 3.55 | 2.8 | 24 | | |
| 417 | 2.7 | 3.14 | 2.7 | 25 | | |
| 450 | 2.5 | 2.91 | 2.6 | 28 | | |
| 496 | 2.3 | 2.64 | 2.5 | 31 | | |
| 553 | 2.0 | 2.37 | 2.4 | 35 | | |
| 642 | 1.7 | 2.04 | 2.3 | 41 | | |
| 682 | 1.6 | 1.92 | 2.3 | 43 | | |
| 794 | 1.4 | 1.65 | 2.1 | 49 | | |

*0.12kW（6P）电机需特制。*0.12kW motor of 6 poles needs to be specially requested and then manufactured.

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 0.09 | 16669 | 14075 | 42 | 0.85 | **GR147R77 GRF147R77** | **4P** |
| 0.11 | 14619 | 12344 | 60 | 0.95 | | |
| 0.12 | 13196 | 11143 | 62 | 1.05 | | |
| 0.13 | 11538 | 9743 | 64 | 1.20 | | |
| 0.16 | 9999 | 8443 | 66 | 1.40 | **GR147R77 GRF147R77** | **4P** |
| 0.18 | 8653 | 7307 | 67 | 1.60 | | |
| 0.20 | 7635 | 6447 | 68 | 1.80 | | |
| 0.24 | 6594 | 5568 | 69 | 2.10 | | |
| 0.27 | 5834 | 4926 | 69 | 2.35 | | |
| 0.30 | 5122 | 4325 | 70 | 2.70 | | |
| 0.35 | 4446 | 3754 | 70 | 3.15 | | |
| 0.40 | 3910 | 3302 | 70 | 3.60 | | |
| 0.15 | 10403 | 8784 | 47 | 0.80 | **GR137R77 GRF137R77** | **4P** |
| 0.18 | 8857 | 7479 | 52 | 0.95 | | |
| 0.20 | 7768 | 6559 | 53 | 1.10 | | |
| 0.22 | 6909 | 5834 | 54 | 1.20 | | |
| 0.26 | 6059 | 5116 | 55 | 1.40 | | |
| 0.29 | 5287 | 4464 | 56 | 1.60 | | |
| 0.33 | 4652 | 3928 | 57 | 1.80 | | |
| 0.28 | 5577 | 4709 | 55 | 1.50 | **GR137R77 GRF137R77** | **4P** |
| 0.33 | 4758 | 4018 | 56 | 1.75 | | |
| 0.37 | 4162 | 3514 | 57 | 2.00 | | |
| 0.39 | 3953 | 3338 | 57 | 2.10 | | |
| 0.45 | 3469 | 2929 | 57 | 2.40 | | |
| 0.30 | 5252 | 4435 | 27 | 0.85 | **GR107R77 GRF107R77** | **4P** |
| 0.34 | 4614 | 3896 | 30 | 1.00 | | |
| 0.43 | 3599 | 3039 | 33 | 1.25 | | |
| 0.33 | 4640 | 3918 | 28 | 1.00 | **GR107R77 GRF107R77** | **4P** |
| 0.39 | 3959 | 3343 | 31 | 1.15 | | |
| 0.43 | 3593 | 3034 | 32 | 1.25 | | |
| 0.49 | 3142 | 2653 | 33 | 1.45 | | |
| 0.57 | 2700 | 2280 | 34 | 1.70 | | |
| 0.63 | 2448 | 2067 | 35 | 1.85 | | |
| 0.66 | 2353 | 1987 | 35 | 1.95 | **GR107R77 GRF107R77** | **4P** |
| 0.72 | 2164 | 1827 | 35 | 2.10 | | |
| 0.82 | 1894 | 1599 | 35 | 2.40 | | |
| 0.94 | 1658 | 1400 | 35 | 2.75 | | |
| 1.1 | 1452 | 1226 | 36 | 3.15 | | |
| 0.49 | 3160 | 2668 | 20 | 1.00 | **GR97R57 GRF97R57** | **4P** |
| 0.58 | 2659 | 2245 | 23 | 1.20 | | |
| 0.65 | 2387 | 2016 | 24 | 1.35 | | |
| 0.76 | 2052 | 1733 | 25 | 1.55 | | |
| 0.81 | 1922 | 1623 | 26 | 1.65 | | |
| 0.91 | 1698 | 1434 | 26 | 1.85 | | |
| 1.1 | 1429 | 1207 | 27 | 2.20 | | |
| 1.2 | 1284 | 1084 | 27 | 2.45 | | |
| 1.4 | 1106 | 934 | 27 | 2.85 | | |
| 1.5 | 1040 | 878 | 27 | 3.05 | | |
| 1.7 | 894 | 755 | 27 | 3.55 | | |
| 0.48 | 3224 | 2722 | 19 | 1.00 | **GR97R57 GRF97R57** | **4P** |
| 0.57 | 2737 | 2311 | 23 | 1.15 | | |
| 0.63 | 2461 | 2078 | 24 | 1.30 | | |
| 0.75 | 2061 | 1740 | 10 | 0.80 | **GR87R57 GRF87R57** | **4P** |
| 0.88 | 1770 | 1495 | 15 | 0.95 | | |
| 0.94 | 1659 | 1401 | 16 | 1.00 | | |
| 1.1 | 1465 | 1237 | 17 | 1.10 | | |
| 1.1 | 1362 | 1150 | 18 | 1.20 | | |
| 1.3 | 1234 | 1042 | 18 | 1.35 | | |
| 1.4 | 1107 | 935 | 19 | 1.50 | | |
| 1.6 | 955 | 806 | 19 | 1.70 | | |
| 0.75 | 2065 | 1744 | 11 | 0.80 | **GR87R57 GRF87R57** | **4P** |
| 0.86 | 1812 | 1530 | 13 | 0.90 | | |
| 1.0 | 1549 | 1308 | 17 | 1.05 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 1.1 | 1360 | 1148 | 18 | 1.20 | **GR87R57 GRF87R57** | **4P** |
| 1.5 | 1053 | 889 | 19 | 1.55 | | |
| 1.7 | 924 | 780 | 19 | 1.80 | | |
| 1.5 | 1016 | 858 | 7.7 | 0.85 | **GR77R37 GRF77R37** | **4P** |
| 1.7 | 896 | 757 | 9.3 | 1.00 | | |
| 2.0 | 795 | 671 | 10 | 1.10 | | |
| 2.3 | 676 | 571 | 11 | 1.30 | | |
| 1.6 | 972 | 821 | 9.0 | 0.90 | **GR77R37 GRF77R37** | **4P** |
| 1.8 | 866 | 731 | 10 | 1.00 | | |
| 2.0 | 765 | 646 | 10 | 1.15 | | |
| 2.3 | 663 | 560 | 11 | 1.30 | | |
| 2.7 | 578 | 488 | 11 | 1.50 | | |
| 3.0 | 516 | 436 | 12 | 1.70 | | |
| 3.5 | 442 | 373 | 12 | 2.00 | | |
| 4.0 | 387 | 327 | 12 | 2.25 | | |
| 4.5 | 342 | 289 | 12 | 2.55 | | |
| 2.3 | 676 | 571 | 6.9 | 0.95 | **GR67R37 GRF67R37** | **4P** |
| 2.7 | 576 | 486 | 7.9 | 1.10 | | |
| 2.3 | 680 | 574 | 6.8 | 0.95 | **GR67R37 GRF67R37** | **4P** |
| 2.6 | 586 | 495 | 7.8 | 1.10 | | |
| 3.0 | 519 | 438 | 8.4 | 1.25 | | |
| 3.4 | 459 | 388 | 8.8 | 1.40 | | |
| 3.8 | 407 | 344 | 9.0 | 1.55 | | |
| 4.5 | 348 | 294 | 9.3 | 1.85 | | |
| 5.0 | 309 | 261 | 9.5 | 2.05 | | |
| 2.9 | 538 | 454 | 6.6 | 0.90 | **GR57R37 GRF57R37** | **4P** |
| 3.2 | 486 | 410 | 6.8 | 1.00 | | |
| 2.8 | 558 | 471 | 5.7 | 0.85 | **GR57R37 GRF57R37** | **4P** |
| 3.7 | 423 | 357 | 7.0 | 1.15 | | |
| 4.1 | 378 | 319 | 7.1 | 1.25 | | |
| 4.8 | 323 | 273 | 7.3 | 1.45 | | |
| 5.4 | 285 | 241 | 7.4 | 1.65 | | |
| 6.1 | 255 | 215 | 7.4 | 1.85 | | |
| 3.6 | 425 | 359 | 6.9 | 1.10 | **GR57R37 GRF57R37** | **4P** |
| 4.0 | 384 | 324 | 7.1 | 1.25 | | |
| 4.5 | 343 | 290 | 7.2 | 1.40 | | |
| 5.0 | 310 | 262 | 7.3 | 1.55 | | |
| 5.3 | 291 | 246 | 7.3 | 1.65 | | |
| 6.0 | 261 | 220 | 7.4 | 1.85 | | |
| 7.0 | 223 | 188 | 7.4 | 2.15 | | |
| 8.2 | 188 | 159 | 7.5 | 2.55 | | |
| 4.4 | 356 | 301 | 4.5 | 0.90 | **GR47R37 GRF47R37** | **4P** |
| 5.1 | 302 | 255 | 5.2 | 1.05 | | |
| 5.7 | 270 | 228 | 5.4 | 1.20 | | |
| 6.7 | 231 | 195 | 5.5 | 1.40 | | |
| 6.6 | 236 | 199 | 4.4 | 0.90 | **GR37R17 GRF37R17** | **4P** |
| 7.6 | 204 | 172 | 4.8 | 1.05 | | |
| 8.7 | 178 | 150 | 5.1 | 1.20 | | |
| 5.8 | 268 | 226 | 2.0 | 0.80 | **GR37R17 GRF37R17** | **4P** |
| 6.5 | 239 | 202 | 4.3 | 0.90 | | |
| 7.3 | 212 | 179 | 4.7 | 1.00 | | |
| 8.4 | 185 | 156 | 5.0 | 1.15 | | |
| 9.3 | 167 | 141 | 3.9 | 0.85 | **GR27R17 GRF27R17** | **4P** |
| 11 | 147 | 124 | 4.0 | 0.95 | | |
| 12 | 130 | 110 | 4.1 | 1.05 | | |
| 14 | 111 | 94 | 4.1 | 1.25 | | |
| 9.7 | 160 | 135 | 3.9 | 0.85 | **GR27R17 GRF27R17** | **4P** |
| 11 | 140 | 118 | 4.0 | 1.00 | | |
| 13 | 123 | 104 | 4.1 | 1.10 | | |
| 15 | 107 | 90 | 4.1 | 1.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 4.4 | 375 | 195.24 | 12 | 2.10 | **GR77 GRF77** | **6P** |
| 5.1 | 320 | 166.59 | 12 | 2.50 | | |
| 5.8 | 280 | 145.67 | 12 | 2.80 | | |
| 6.1 | 266 | 138.39 | 12 | 3.00 | | |
| 7.0 | 233 | 121.42 | 12 | 3.40 | | |
| 6.7 | 243 | 195.24 | 12 | 3.20 | **GR77 GRF77** | **4P** |
| 7.9 | 208 | 166.59 | 12 | 3.80 | | |
| 9.0 | 182 | 145.67 | 12 | 4.30 | | |
| 9.5 | 173 | 138.39 | 12 | 4.60 | | |
| 4.3 | 384 | 199.81 | 8.9 | 1.50 | **GR67 GRF67** | **6P** |
| 4.6 | 354 | 184.07 | 9.1 | 1.65 | | |
| 5.4 | 304 | 158.14 | 9.3 | 1.90 | | |
| 6.2 | 264 | 137.67 | 10 | 2.20 | | |
| 6.6 | 248 | 128.97 | 10 | 2.30 | | |
| 7.5 | 219 | 113.94 | 10 | 2.70 | | |
| 8.0 | 203 | 105.83 | 10 | 2.90 | | |
| 8.9 | 184 | 95.91 | 10 | 3.20 | | |
| 9.9 | 165 | 86.11 | 10 | 3.50 | | |
| 11 | 142 | 74.17 | 10 | 4.10 | | |
| 12 | 134 | 69.75 | 10 | 4.30 | | |
| 6.6 | 249 | 199.81 | 10 | 2.30 | **GR67 GRF67** | **4P** |
| 7.1 | 229 | 184.07 | 10 | 2.50 | | |
| 8.3 | 197 | 158.14 | 10 | 2.90 | | |
| 9.5 | 172 | 137.67 | 10 | 3.30 | | |
| 10 | 161 | 128.97 | 10 | 3.60 | | |
| 11 | 142 | 113.94 | 10 | 4.00 | | |
| 12 | 132 | 105.83 | 10 | 4.30 | | |
| 4.5 | 359 | 186.89 | 7.0 | 1.20 | **GR57 GRF57** | **6P** |
| 4.9 | 331 | 172.17 | 7.1 | 1.30 | | |
| 5.7 | 284 | 147.92 | 7.3 | 1.55 | | |
| 6.6 | 247 | 128.77 | 7.4 | 1.75 | | |
| 7.0 | 232 | 120.63 | 7.4 | 1.90 | | |
| 7.0 | 233 | 186.89 | 7.4 | 1.85 | **GR57 GRF57** | **4P** |
| 7.6 | 215 | 172.17 | 7.4 | 2.00 | | |
| 8.9 | 184 | 147.92 | 7.5 | 2.30 | | |
| 10 | 161 | 128.77 | 7.5 | 2.70 | | |
| 11 | 150 | 120.63 | 7.5 | 2.90 | | |
| 12 | 133 | 106.58 | 7.5 | 3.20 | | |
| 13 | 123 | 98.99 | 7.6 | 3.50 | | |
| 15 | 112 | 89.71 | 7.6 | 3.80 | | |
| 7.4 | 220 | 176.88 | 5.5 | 1.30 | **GR47 GRF47** | **4P** |
| 8.0 | 203 | 162.94 | 5.5 | 1.40 | | |
| 9.4 | 175 | 139.99 | 5.6 | 1.65 | | |
| 11 | 152 | 121.87 | 5.7 | 1.90 | | |
| 11 | 142 | 114.17 | 5.7 | 2.00 | | |
| 13 | 126 | 100.86 | 5.7 | 2.30 | | |
| 14 | 117 | 93.68 | 5.8 | 2.50 | | |
| 15 | 106 | 84.90 | 5.8 | 2.70 | | |
| 17 | 95 | 76.23 | 5.8 | 3.00 | | |
| 6.9 | 238 | 123.66 | 2.9 | 0.80 | **GR37 GRF37** | **6P** |
| 8.1 | 202 | 105.28 | 4.6 | 0.95 | | |
| 9.4 | 174 | 90.77 | 4.9 | 1.10 | | |
| 10 | 163 | 84.61 | 5.0 | 1.20 | | |
| 10 | 163 | 134.82 | 5.0 | 1.15 | **GR37 GRF37** | **4P** |
| 11 | 149 | 123.66 | 5.1 | 1.25 | | |
| 12 | 127 | 105.28 | 5.3 | 1.45 | | |
| 14 | 110 | 90.77 | 5.4 | 1.70 | | |
| 15 | 102 | 84.61 | 5.5 | 1.80 | | |
| 18 | 89 | 73.96 | 5.5 | 2.10 | | |
| 19 | 84 | 69.33 | 5.6 | 2.20 | | |
| 21 | 74 | 61.18 | 5.6 | 2.50 | | |
| 23 | 67 | 55.76 | 5.6 | 2.80 | | |
| 27 | 58 | 48.08 | 5.7 | 3.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 11 | 150 | 123.91 | 3.9 | 0.80 | **GR27 GRF27** | **4P** |
| 12 | 127 | 105.49 | 4.0 | 0.95 | | |
| 14 | 110 | 90.96 | 4.1 | 1.10 | | |
| 15 | 102 | 84.78 | 4.1 | 1.20 | | |
| 18 | 89 | 74.11 | 4.2 | 1.35 | | |
| 19 | 84 | 69.47 | 4.2 | 1.45 | | |
| 21 | 74 | 61.3 | 4.1 | 1.65 | | |
| 23 | 67 | 55.87 | 4.0 | 1.80 | | |
| 27 | 58 | 48.17 | 3.8 | 2.10 | | |
| 29 | 54 | 44.9 | 3.8 | 2.20 | | |
| 33 | 47 | 39.25 | 3.6 | 2.50 | | |
| 36 | 44 | 36.79 | 3.6 | 2.70 | | |
| 40 | 39 | 32.47 | 3.4 | 3.10 | | |
| 46 | 35 | 28.78 | 3.3 | 3.50 | | |
| 54 | 30 | 24.47 | 3.1 | 4.10 | | |
| 46 | 34 | 28.37 | 3.3 | 3.50 | **GR27 GRF27** | **4P** |
| 50 | 31 | 26.09 | 3.2 | 3.80 | | |
| 59 | 27 | 22.32 | 3.1 | 4.50 | | |
| 68 | 23 | 19.35 | 2.9 | 5.20 | | |
| 72 | 22 | 18.08 | 2.9 | 5.50 | | |
| 84 | 19 | 15.63 | 2.7 | 6.40 | | |
| 99 | 16 | 13.28 | 2.6 | 7.50 | | |
| 16 | 99 | 81.64 | 0.04 | 0.80 | **GR17 GRF17** | **4P** |
| 19 | 85 | 70.39 | 1.3 | 0.95 | | |
| 20 | 79 | 65.61 | 1.7 | 1.00 | | |
| 23 | 69 | 57.35 | 2.2 | 1.15 | | |
| 24 | 65 | 53.76 | 2.4 | 1.20 | | |
| 28 | 57 | 47.44 | 2.3 | 1.40 | | |
| 30 | 53 | 44.18 | 2.3 | 1.50 | | |
| 34 | 47 | 38.61 | 2.2 | 1.70 | | |
| 36 | 44 | 36.2 | 2.2 | 1.80 | | |
| 41 | 39 | 31.94 | 2.1 | 2.00 | | |
| 46 | 34 | 28.32 | 2.1 | 2.30 | | |
| 54 | 29 | 24.07 | 2.0 | 2.70 | | |
| 34 | 47 | 25.23 | 2.2 | 1.70 | **GR17 GRF17** | **6P** |
| 37 | 43 | 23.15 | 2.2 | 1.85 | | |
| 43 | 37 | 19.71 | 2.1 | 2.20 | | |
| 52 | 30 | 25.23 | 2.0 | 2.60 | **GR17 GRF17** | **4P** |
| 57 | 28 | 23.15 | 2.0 | 2.80 | | |
| 66 | 24 | 19.71 | 1.9 | 3.30 | | |
| 77 | 21 | 16.99 | 1.8 | 3.80 | | |
| 83 | 19 | 15.84 | 1.8 | 4.10 | | |
| 95 | 17 | 13.84 | 1.7 | 4.70 | | |
| 101 | 16 | 12.98 | 1.7 | 5.00 | | |
| 114 | 14 | 11.45 | 1.6 | 5.40 | | |
| 129 | 12 | 10.15 | 1.6 | 5.80 | | |
| 152 | 10 | 8.63 | 1.5 | 6.40 | | |
| 174 | 9.1 | 7.55 | 1.4 | 5.70 | | |
| 186 | 8.5 | 7.04 | 1.4 | 6.00 | | |
| 213 | 7.4 | 6.15 | 1.3 | 6.80 | | |
| 227 | 7.0 | 5.76 | 1.3 | 7.10 | | |
| 257 | 6.1 | 5.09 | 1.3 | 7.70 | | |
| 290 | 5.4 | 4.51 | 1.2 | 8.10 | | |
| 342 | 4.6 | 3.83 | 1.1 | 9.00 | | |
| 268 | 5.9 | 10.15 | 1.2 | 12 | **GR17 GRF17** | **2P** |
| 315 | 5.0 | 8.63 | 1.2 | 13 | | |
| 360 | 4.4 | 7.55 | 1.1 | 12 | | |
| 386 | 4.1 | 7.04 | 1.1 | 13 | | |
| 442 | 3.6 | 6.15 | 1.1 | 14 | | |
| 472 | 3.3 | 5.76 | 1.0 | 15 | | |
| 534 | 3.0 | 5.09 | 1.0 | 16 | | |
| 603 | 2.6 | 4.51 | 1.0 | 17 | | |
| 710 | 2.2 | 3.83 | 0.9 | 19 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 140 | 12 | 6.07 | 4.7 | 3.60 | **GRX67 GRXF67** | **6P** |
| 164 | 10 | 5.18 | 4.5 | 7.30 | | |
| 188 | 8.9 | 4.53 | 4.3 | 9.20 | | |
| 198 | 8.5 | 4.30 | 4.2 | 9.40 | | |
| 216 | 7.5 | 6.07 | 4.1 | 5.40 | **GRX67 GRXF67** | **4P** |
| 253 | 6.4 | 5.18 | 3.9 | 11 | | |
| 289 | 5.6 | 4.53 | 3.7 | 14 | | |
| 305 | 5.3 | 4.30 | 3.7 | 14 | | |
| 347 | 4.7 | 3.77 | 3.5 | 18 | | |
| 409 | 4.0 | 3.20 | 3.3 | 24 | | |
| 453 | 3.6 | 2.89 | 3.2 | 28 | | |
| 516 | 3.1 | 2.54 | 3.1 | 36 | | |
| 546 | 3.0 | 2.40 | 3.0 | 40 | | |
| 642 | 2.5 | 2.04 | 2.9 | 50 | | |
| 155 | 11 | 5.50 | 3.7 | 3.60 | **GRX57 GRXF57** | **6P** |
| 168 | 10 | 5.07 | 3.6 | 3.60 | | |
| 195 | 8.6 | 4.35 | 3.4 | 7.90 | | |
| 224 | 7.5 | 3.79 | 3.3 | 9.20 | | |
| 238 | 6.8 | 5.50 | 3.2 | 5.40 | **GRX57 GRXF57** | **4P** |
| 258 | 6.3 | 5.07 | 3.1 | 5.40 | | |
| 301 | 5.4 | 4.35 | 3.0 | 12 | | |
| 346 | 4.7 | 3.79 | 2.9 | 14 | | |
| 369 | 4.4 | 3.55 | 2.8 | 15 | | |
| 417 | 3.9 | 3.14 | 2.7 | 16 | | |
| 450 | 3.6 | 2.91 | 2.6 | 18 | | |
| 496 | 3.3 | 2.64 | 2.5 | 20 | | |
| 553 | 2.9 | 2.37 | 2.5 | 22 | | |
| 642 | 2.5 | 2.04 | 2.3 | 26 | | |
| 682 | 2.4 | 1.92 | 2.3 | 28 | | |
| 794 | 2.0 | 1.65 | 2.2 | 31 | | |
| **0.25kW** | | | | | | |
| 0.14 | 15785 | 9743 | 48 | 0.85 | **GR147R77 GRF147R77** | **4P** |
| 0.16 | 13678 | 8443 | 60 | 1.00 | | |
| 0.18 | 11838 | 7307 | 63 | 1.15 | | |
| 0.21 | 10445 | 6447 | 65 | 1.30 | | |
| 0.24 | 9021 | 5568 | 66 | 1.55 | | |
| 0.27 | 7981 | 4926 | 67 | 1.70 | | |
| 0.31 | 7007 | 4325 | 68 | 1.95 | | |
| 0.35 | 6082 | 3754 | 69 | 2.25 | | |
| 0.40 | 5350 | 3302 | 69 | 2.60 | | |
| 0.46 | 4695 | 2898 | 70 | 2.90 | | |
| 0.23 | 9452 | 5834 | 48 | 0.90 | **GR137R77 GRF137R77** | **4P** |
| 0.26 | 8288 | 5116 | 51 | 1.00 | | |
| 0.30 | 7232 | 4464 | 53 | 1.15 | | |
| 0.34 | 6364 | 3928 | 54 | 1.30 | | |
| 0.28 | 7629 | 4709 | 51 | 1.05 | **GR137R77 GRF137R77** | **4P** |
| 0.33 | 6510 | 4018 | 53 | 1.25 | | |
| 0.38 | 5693 | 3514 | 55 | 1.45 | | |
| 0.40 | 5408 | 3338 | 55 | 1.50 | | |
| 0.45 | 4745 | 2929 | 56 | 1.75 | | |
| 0.50 | 4306 | 2658 | 56 | 1.95 | **GR137R77 GRF137R77** | **4P** |
| 0.55 | 3908 | 2412 | 57 | 2.15 | | |
| 0.64 | 3358 | 2073 | 57 | 2.50 | | |
| 0.72 | 2979 | 1839 | 57 | 2.80 | | |
| 0.95 | 2263 | 1397 | 58 | 3.65 | | |
| 1.1 | 1986 | 1226 | 58 | 4.20 | | |
| 0.44 | 4923 | 3039 | 26 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 0.44 | 4915 | 3034 | 20 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 0.67 | 3219 | 1987 | 33 | 1.40 | **GR107R77 GRF107R77** | **4P** |
| 0.73 | 2960 | 1827 | 34 | 1.50 | | |
| 0.83 | 2591 | 1599 | 34 | 1.75 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 0.95 | 2268 | 1400 | 35 | 2.00 | **GR107R77 GRF107R77** | **4P** |
| 1.1 | 1986 | 1226 | 35 | 2.25 | | |
| 1.4 | 1521 | 939 | 35 | 2.95 | | |
| 1.6 | 1332 | 822 | 36 | 3.40 | | |
| 0.66 | 3266 | 2016 | 12 | 0.95 | **GR97R57 GRF97R57** | **4P** |
| 0.77 | 2808 | 1733 | 21 | 1.10 | | |
| 0.82 | 2629 | 1623 | 22 | 1.20 | | |
| 0.73 | 2953 | 1823 | 21 | 1.05 | **GR97R57 GRF97R57** | **4P** |
| 0.84 | 2565 | 1583 | 23 | 1.20 | | |
| 0.95 | 2262 | 1396 | 24 | 1.40 | | |
| 1.1 | 1989 | 1228 | 25 | 1.60 | | |
| 1.2 | 1732 | 1069 | 26 | 1.80 | | |
| 1.4 | 1520 | 938 | 26 | 2.00 | | |
| 1.6 | 1335 | 824 | 27 | 2.35 | | |
| 1.8 | 1194 | 737 | 27 | 2.60 | | |
| 2.1 | 1024 | 632 | 27 | 3.05 | | |
| 1.2 | 1863 | 1150 | 13 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 1.3 | 1688 | 1042 | 15 | 0.95 | | |
| 1.4 | 1515 | 935 | 17 | 1.05 | | |
| 1.7 | 1306 | 806 | 18 | 1.25 | | |
| 1.2 | 1860 | 1148 | 15 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 1.5 | 1440 | 889 | 17 | 1.10 | | |
| 1.7 | 1264 | 780 | 18 | 1.30 | | |
| 1.9 | 1115 | 688 | 19 | 1.45 | | |
| 2.2 | 974 | 601 | 19 | 1.65 | | |
| 2.5 | 854 | 527 | 19 | 1.90 | | |
| 2.9 | 742 | 458 | 19 | 2.20 | | |
| 4.9 | 436 | 269 | 19 | 3.70 | | |
| 2.3 | 925 | 571 | 8.7 | 0.90 | **GR77R37 GRF77R37** | **4P** |
| 2.4 | 907 | 560 | 8.6 | 0.95 | **GR77R37 GRF77R37** | **4P** |
| 2.7 | 791 | 488 | 10 | 1.05 | | |
| 3.1 | 706 | 436 | 10 | 1.20 | | |
| 3.6 | 604 | 373 | 11 | 1.40 | | |
| 4.1 | 530 | 327 | 11 | 1.60 | | |
| 4.6 | 468 | 289 | 12 | 1.80 | | |
| 5.1 | 421 | 260 | 12 | 2.00 | | |
| 5.9 | 363 | 224 | 12 | 2.35 | | |
| 3.4 | 629 | 388 | 7.1 | 1.00 | **GR67R37 GRF67R37** | **4P** |
| 3.9 | 557 | 344 | 7.7 | 1.10 | | |
| 4.5 | 476 | 294 | 8.5 | 1.30 | | |
| 5.1 | 423 | 261 | 8.8 | 1.45 | | |
| 5.7 | 379 | 234 | 9.0 | 1.65 | | |
| 6.7 | 324 | 200 | 9.3 | 1.90 | | |
| 7.6 | 285 | 176 | 10 | 2.20 | | |
| 8.4 | 256 | 158 | 10 | 2.45 | | |
| 3.5 | 622 | 384 | 6.9 | 1.00 | **GR67R37 GRF67R37** | **4P** |
| 3.7 | 582 | 359 | 7.3 | 1.05 | | |
| 4.3 | 502 | 310 | 8.1 | 1.25 | | |
| 5.0 | 428 | 264 | 8.7 | 1.45 | | |
| 5.7 | 381 | 235 | 9.0 | 1.65 | | |
| 6.6 | 326 | 201 | 9.3 | 1.90 | | |
| 7.3 | 293 | 181 | 9.4 | 2.10 | | |
| 4.2 | 517 | 319 | 6.3 | 0.90 | **GR57R37 GRF57R37** | **4P** |
| 4.9 | 442 | 273 | 6.8 | 1.05 | | |
| 5.5 | 390 | 241 | 7.0 | 1.20 | | |
| 6.2 | 348 | 215 | 7.2 | 1.35 | | |
| 7.1 | 303 | 187 | 7.3 | 1.55 | | |
| 8.1 | 266 | 164 | 7.4 | 1.75 | | |
| 9.4 | 230 | 142 | 7.4 | 2.05 | | |
| 4.1 | 525 | 324 | 5.3 | 0.90 | **GR57R37 GRF57R37** | **4P** |
| 4.6 | 470 | 290 | 6.7 | 1.00 | | |
| 5.1 | 424 | 262 | 6.8 | 1.10 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 5.4 | 399 | 246 | 7.0 | 1.15 | **GR57R37** | **4P** |
| 6.0 | 356 | 220 | 7.1 | 1.30 | **GRF57R37** | |
| 5.8 | 369 | 228 | 2.9 | 0.85 | **GR47R37** | **4P** |
| 6.8 | 316 | 195 | 5.1 | 1.00 | **GRF47R37** | |
| 7.3 | 295 | 182 | 5.2 | 1.05 | | |
| 8.6 | 249 | 154 | 5.4 | 1.25 | | |
| 8.9 | 243 | 150 | 3.2 | 0.85 | **GR37R17** | **4P** |
| 10 | 211 | 130 | 4.6 | 1.00 | **GRF37R17** | |
| 11 | 201 | 124 | 4.8 | 1.05 | | |
| 12 | 178 | 110 | 5.0 | 1.15 | | |
| 14 | 152 | 94 | 5.2 | 1.35 | | |
| 8.5 | 253 | 156 | 2.2 | 0.80 | **GR37R17** | **4P** |
| 9.9 | 219 | 135 | 4.5 | 0.95 | **GRF37R17** | |
| 10.5 | 206 | 127 | 4.6 | 1.00 | | |
| 12.8 | 168 | 104 | 5.0 | 1.25 | | |
| 14.8 | 146 | 90 | 5.2 | 1.40 | | |
| 2.2 | 1027 | 289.74 | 27 | 3.00 | **GR97** | **8P** |
| 2.5 | 906 | 255.71 | 27 | 3.30 | **GRF97** | |
| 2.7 | 855 | 241.25 | 27 | 3.50 | | |
| 3.0 | 766 | 216.28 | 27 | 4.00 | | |
| 2.6 | 878 | 247.61 | 19 | 1.80 | **GR87** | **8P** |
| 2.9 | 771 | 217.48 | 19 | 2.00 | **GRF87** | |
| 3.1 | 732 | 206.6 | 19 | 2.20 | | |
| 3.5 | 647 | 182.55 | 19 | 2.40 | | |
| 3.8 | 590 | 166.59 | 11 | 1.40 | **GR77** | **8P** |
| 4.4 | 516 | 145.67 | 11 | 1.60 | **GRF77** | |
| 4.6 | 490 | 138.39 | 11 | 1.70 | | |
| 5.3 | 430 | 121.42 | 12 | 1.90 | | |
| 4.4 | 521 | 195.24 | 11 | 1.55 | **GR77** | **6P** |
| 5.1 | 445 | 166.59 | 12 | 1.80 | **GRF77** | |
| 5.8 | 389 | 145.67 | 12 | 2.10 | | |
| 6.8 | 333 | 195.24 | 12 | 2.30 | **GR77** | **4P** |
| 8.0 | 284 | 166.59 | 12 | 2.70 | **GRF77** | |
| 9.1 | 248 | 145.67 | 12 | 3.10 | | |
| 9.6 | 236 | 138.39 | 12 | 3.20 | | |
| 11 | 207 | 121.42 | 12 | 3.70 | | |
| 4.0 | 560 | 158.14 | 7.7 | 1.10 | **GR67** | **8P** |
| 4.6 | 488 | 137.67 | 8.3 | 1.25 | **GRF67** | |
| 5.0 | 457 | 128.97 | 8.5 | 1.35 | | |
| 5.6 | 404 | 113.94 | 8.9 | 1.50 | | |
| 4.3 | 533 | 199.81 | 7.8 | 1.10 | **GR67** | **6P** |
| 4.6 | 491 | 184.07 | 8.2 | 1.20 | **GRF67** | |
| 5.4 | 422 | 158.14 | 8.7 | 1.40 | | |
| 6.2 | 367 | 137.67 | 9.0 | 1.60 | | |
| 6.6 | 344 | 128.97 | 9.1 | 1.70 | | |
| 7.5 | 304 | 113.94 | 9.3 | 1.95 | | |
| 8.0 | 282 | 105.83 | 9.4 | 2.10 | | |
| 6.7 | 341 | 199.81 | 9.1 | 1.65 | **GR67** | **4P** |
| 7.2 | 314 | 184.07 | 9.2 | 1.80 | **GRF67** | |
| 8.4 | 270 | 158.14 | 9.4 | 2.10 | | |
| 9.7 | 235 | 137.67 | 10 | 2.40 | | |
| 10 | 220 | 128.97 | 10 | 2.50 | | |
| 12 | 194 | 113.94 | 10 | 2.90 | | |
| 13 | 180 | 105.83 | 10 | 3.10 | | |
| 14 | 164 | 95.91 | 10 | 3.40 | | |
| 15 | 147 | 86.11 | 10 | 3.80 | | |
| 4.5 | 499 | 186.89 | 6.1 | 0.90 | **GR57** | **6P** |
| 4.9 | 459 | 172.17 | 6.7 | 0.95 | **GRF57** | |
| 5.7 | 395 | 147.92 | 6.9 | 1.10 | | |
| 6.6 | 344 | 128.77 | 7.1 | 1.30 | | |
| 7.0 | 322 | 120.63 | 7.2 | 1.35 | | |
| 8.0 | 284 | 106.58 | 7.3 | 1.55 | | |
| 8.6 | 264 | 98.99 | 7.3 | 1.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 7.1 | 319 | 186.89 | 7.1 | 1.30 | | |
| 7.7 | 294 | 172.17 | 7.2 | 1.40 | | |
| 9.0 | 252 | 147.92 | 7.3 | 1.65 | | |
| 10 | 220 | 128.77 | 7.4 | 1.90 | **GR57** | **4P** |
| 11 | 206 | 120.63 | 7.4 | 2.00 | **GRF57** | |
| 12 | 182 | 106.58 | 7.5 | 2.30 | | |
| 13 | 169 | 98.99 | 7.5 | 2.50 | | |
| 15 | 153 | 89.71 | 7.5 | 2.70 | | |
| 17 | 137 | 80.55 | 7.5 | 3.00 | | |
| 19 | 118 | 69.23 | 7.6 | 3.50 | | |
| 7.5 | 302 | 176.88 | 5.0 | 0.90 | **GR47** | **4P** |
| 8.2 | 278 | 162.94 | 5.1 | 1.00 | **GRF47** | |
| 9.5 | 239 | 139.99 | 5.3 | 1.15 | | |
| 11 | 208 | 121.87 | 5.5 | 1.35 | | |
| 12 | 195 | 114.17 | 5.5 | 1.45 | | |
| 13 | 172 | 100.86 | 5.6 | 1.60 | | |
| 14 | 160 | 93.68 | 5.6 | 1.75 | | |
| 16 | 145 | 84.90 | 5.7 | 1.90 | | |
| 17 | 130 | 76.23 | 5.7 | 2.10 | | |
| 19 | 117 | 68.54 | 5.7 | 2.40 | | |
| 21 | 110 | 64.21 | 5.8 | 2.50 | | |
| 23 | 97 | 56.73 | 5.8 | 2.90 | | |
| 25 | 90 | 52.69 | 5.8 | 3.10 | | |
| 28 | 81 | 47.75 | 5.8 | 3.40 | | |
| 9.9 | 230 | 134.82 | 2.5 | 0.80 | **GR37** | **4P** |
| 11 | 211 | 123.66 | 4.3 | 0.90 | **GRF37** | |
| 13 | 180 | 105.28 | 4.8 | 1.05 | | |
| 15 | 155 | 90.77 | 5.1 | 1.20 | | |
| 16 | 144 | 84.61 | 5.1 | 1.30 | | |
| 18 | 126 | 73.96 | 5.3 | 1.45 | | |
| 19 | 118 | 69.33 | 5.4 | 1.55 | | |
| 22 | 104 | 61.18 | 5.5 | 1.80 | | |
| 24 | 95 | 55.76 | 5.5 | 1.95 | | |
| 28 | 82 | 48.08 | 5.6 | 2.30 | | |
| 30 | 76 | 44.81 | 5.5 | 2.40 | | |
| 34 | 67 | 39.17 | 5.3 | 2.80 | | |
| 36 | 63 | 36.72 | 5.2 | 3.00 | | |
| 41 | 55 | 32.40 | 5.0 | 3.40 | | |
| 16 | 145 | 84.78 | 3.9 | 0.85 | **GR27** | **4P** |
| 18 | 126 | 74.11 | 4.0 | 0.95 | **GRF27** | |
| 19 | 118 | 69.47 | 4.0 | 1.00 | | |
| 22 | 105 | 61.30 | 4.0 | 1.15 | | |
| 24 | 95 | 55.87 | 3.9 | 1.25 | | |
| 28 | 82 | 48.17 | 3.7 | 1.45 | | |
| 30 | 77 | 44.90 | 3.7 | 1.60 | | |
| 34 | 67 | 39.25 | 3.5 | 1.80 | | |
| 36 | 63 | 36.79 | 3.5 | 1.90 | | |
| 41 | 55 | 32.47 | 3.4 | 2.20 | | |
| 46 | 49 | 28.78 | 3.2 | 2.50 | | |
| 54 | 42 | 24.47 | 3.1 | 2.90 | | |
| 47 | 48 | 28.37 | 3.2 | 2.50 | **GR27** | **4P** |
| 51 | 44 | 26.09 | 3.2 | 2.70 | **GRF27** | |
| 60 | 38 | 22.32 | 3.0 | 3.20 | | |
| 69 | 33 | 19.35 | 2.9 | 3.70 | | |
| 74 | 31 | 18.08 | 2.8 | 3.90 | | |
| 85 | 27 | 15.63 | 2.7 | 4.50 | | |
| 100 | 23 | 13.28 | 2.6 | 5.30 | | |
| 112 | 20 | 11.86 | 2.5 | 5.90 | | |
| 131 | 17 | 10.13 | 2.4 | 6.60 | | |
| 141 | 16 | 9.41 | 2.3 | 7.10 | | |
| 163 | 14 | 8.16 | 2.2 | 7.70 | | |
| 174 | 13 | 7.63 | 2.2 | 8.00 | | |
| 202 | 11 | 6.59 | 2.1 | 8.80 | | |
| 238 | 9.6 | 5.60 | 2.0 | 9.60 | | |
| 266 | 8.5 | 5.00 | 1.9 | 10 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 311 | 7.3 | 4.27 | 1.8 | 11 | **GR27 GRF27** | **4P** |
| 333 | 6.8 | 4.00 | 1.8 | 12 | | |
| 395 | 5.7 | 3.37 | 1.7 | 13 | | |
| 23 | 98 | 57.35 | 0.1 | 0.80 | **GR17 GRF17** | **4P** |
| 25 | 92 | 53.76 | 0.7 | 0.85 | | |
| 28 | 81 | 47.44 | 1.5 | 1.00 | | |
| 30 | 75 | 44.18 | 1.9 | 1.05 | | |
| 34 | 66 | 38.61 | 2.1 | 1.20 | | |
| 37 | 62 | 36.20 | 2.1 | 1.30 | | |
| 42 | 54 | 31.94 | 2.0 | 1.45 | | |
| 47 | 48 | 28.32 | 2.0 | 1.65 | | |
| 55 | 41 | 24.07 | 1.9 | 1.90 | | |
| 53 | 42 | 25.23 | 1.9 | 1.85 | **GR17 GRF17** | **4P** |
| 57 | 38 | 23.15 | 1.9 | 2.00 | | |
| 67 | 33 | 19.71 | 1.8 | 2.30 | | |
| 78 | 28 | 16.99 | 1.7 | 2.70 | | |
| 84 | 26 | 15.84 | 1.7 | 2.90 | | |
| 96 | 23 | 13.84 | 1.7 | 3.30 | | |
| 102 | 21 | 12.98 | 1.6 | 3.60 | | |
| 116 | 19 | 11.45 | 1.6 | 3.90 | | |
| 131 | 17 | 10.15 | 1.5 | 4.10 | | |
| 154 | 14 | 8.63 | 1.5 | 4.60 | | |
| 176 | 12 | 7.55 | 1.4 | 4.00 | | |
| 189 | 12 | 7.04 | 1.3 | 4.30 | | |
| 216 | 10 | 6.15 | 1.3 | 4.80 | | |
| 231 | 9.5 | 5.76 | 1.3 | 5.00 | | |
| 261 | 8.4 | 5.09 | 1.2 | 5.50 | | |
| 295 | 7.4 | 4.51 | 1.2 | 5.80 | | |
| 347 | 6.3 | 3.83 | 1.1 | 6.40 | | |
| 442 | 5.0 | 6.15 | 1.1 | 9.80 | **GR17 GRF17** | **2P** |
| 472 | 4.7 | 5.76 | 1.0 | 10.00 | | |
| 534 | 4.1 | 5.09 | 1.0 | 11.00 | | |
| 603 | 3.6 | 4.51 | 1.0 | 12.00 | | |
| 710 | 3.1 | 3.83 | 0.9 | 13.00 | | |
| 140 | 17 | 6.07 | 4.6 | 2.60 | **GRX67 GRXF67** | **6P** |
| 164 | 14 | 5.18 | 4.4 | 5.40 | | |
| 188 | 12 | 4.53 | 4.2 | 6.70 | | |
| 198 | 12 | 4.30 | 4.2 | 6.80 | | |
| 219 | 11 | 6.07 | 4.1 | 3.90 | **GRX67 GRXF67** | **4P** |
| 257 | 9.1 | 5.18 | 3.9 | 7.90 | | |
| 294 | 7.9 | 4.53 | 3.7 | 9.90 | | |
| 309 | 7.5 | 4.30 | 3.7 | 10.00 | | |
| 353 | 6.6 | 3.77 | 3.5 | 13.00 | | |
| 416 | 5.6 | 3.20 | 3.3 | 17.00 | | |
| 460 | 5.1 | 2.89 | 3.2 | 20.00 | | |
| 524 | 4.4 | 2.54 | 3.1 | 25.00 | | |
| 554 | 4.2 | 2.40 | 3.0 | 28.00 | | |
| 652 | 3.6 | 2.04 | 2.9 | 35.00 | | |
| 155 | 15 | 5.50 | 3.6 | 2.60 | **GRX57 GRXF57** | **6P** |
| 168 | 14 | 5.07 | 3.6 | 2.60 | | |
| 195 | 12 | 4.35 | 3.4 | 5.80 | | |
| 224 | 10 | 3.79 | 3.2 | 6.70 | | |
| 242 | 9.6 | 5.50 | 3.2 | 3.90 | **GRX57 GRXF57** | **4P** |
| 262 | 8.9 | 5.07 | 3.1 | 3.90 | | |
| 306 | 7.6 | 4.35 | 3.0 | 8.50 | | |
| 351 | 6.6 | 3.79 | 2.9 | 9.90 | | |
| 375 | 6.2 | 3.55 | 2.8 | 11.00 | | |
| 424 | 5.5 | 3.14 | 2.7 | 11.00 | | |
| 457 | 5.1 | 2.91 | 2.6 | 13.00 | | |
| 504 | 4.6 | 2.64 | 2.5 | 14.00 | | |
| 561 | 4.1 | 2.37 | 2.5 | 16.00 | | |
| 652 | 3.6 | 2.04 | 2.3 | 19.00 | | |
| 693 | 3.4 | 1.92 | 2.3 | 20.00 | | |
| 806 | 2.9 | 1.65 | 2.2 | 23.00 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 0.18 | 17520 | 7307 | 37 | 0.80 | **GR147R77 GRF147R77** | **4P** |
| 0.21 | 15458 | 6447 | 58 | 0.90 | | |
| 0.24 | 13351 | 5568 | 61 | 1.05 | | |
| 0.27 | 11811 | 4926 | 63 | 1.15 | | |
| 0.31 | 10370 | 4325 | 65 | 1.30 | | |
| 0.35 | 9001 | 3754 | 67 | 1.55 | | |
| 0.40 | 7917 | 3302 | 68 | 1.75 | | |
| 0.46 | 6949 | 2898 | 68 | 1.95 | | |
| 0.30 | 10703 | 4464 | 39 | 0.80 | **GR137R77 GRF137R77** | **4P** |
| 0.34 | 9418 | 3928 | 49 | 0.90 | | |
| 0.33 | 9634 | 4018 | 46 | 0.85 | **GR137R77 GRF137R77** | **4P** |
| 0.38 | 8426 | 3514 | 51 | 1.00 | | |
| 0.40 | 8004 | 3338 | 52 | 1.05 | | |
| 0.45 | 7023 | 2929 | 53 | 1.20 | | |
| 0.54 | 5956 | 2484 | 55 | 1.40 | | |
| 0.59 | 5376 | 2242 | 55 | 1.55 | | |
| 0.50 | 6373 | 2658 | 54 | 1.30 | **GR137R77 GRF137R77** | **4P** |
| 0.55 | 5783 | 2412 | 55 | 1.45 | | |
| 0.64 | 4970 | 2073 | 56 | 1.70 | | |
| 0.72 | 4409 | 1839 | 57 | 1.90 | | |
| 0.95 | 3350 | 1397 | 57 | 2.50 | | |
| 1.1 | 2940 | 1226 | 58 | 2.85 | | |
| 1.2 | 2614 | 1090 | 58 | 3.20 | | |
| 1.4 | 2280 | 951 | 58 | 3.65 | | |
| 0.64 | 4956 | 2067 | 26 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 0.79 | 4059 | 1693 | 30 | 1.10 | | |
| 0.86 | 3716 | 1550 | 32 | 1.20 | | |
| 0.95 | 3374 | 1407 | 33 | 1.35 | | |
| 1.1 | 2899 | 1209 | 34 | 1.55 | | |
| 1.3 | 2530 | 1055 | 35 | 1.75 | | |
| 0.67 | 4764 | 1987 | 28 | 0.95 | **GR107R77 GRF107R77** | **4P** |
| 0.73 | 4381 | 1827 | 30 | 1.00 | | |
| 0.83 | 3834 | 1599 | 32 | 1.15 | | |
| 0.95 | 3357 | 1400 | 33 | 1.35 | | |
| 1.1 | 2940 | 1226 | 34 | 1.50 | | |
| 1.4 | 2251 | 939 | 35 | 2.00 | | |
| 1.6 | 1971 | 822 | 35 | 2.25 | | |
| 0.93 | 3438 | 1434 | 4.2 | 0.90 | **GR97R57 GRF97R57** | **4P** |
| 1.1 | 2894 | 1207 | 22 | 1.10 | | |
| 1.2 | 2599 | 1084 | 23 | 1.20 | | |
| 0.95 | 3347 | 1396 | 15 | 0.95 | **GR97R57 GRF97R57** | **4P** |
| 1.1 | 2944 | 1228 | 22 | 1.05 | | |
| 1.2 | 2563 | 1069 | 23 | 1.20 | | |
| 1.4 | 2249 | 938 | 25 | 1.40 | | |
| 1.6 | 1976 | 824 | 26 | 1.60 | | |
| 1.8 | 1767 | 737 | 26 | 1.75 | | |
| 2.1 | 1515 | 632 | 26 | 2.00 | | |
| 3.1 | 1033 | 431 | 27 | 3.00 | | |
| 3.5 | 909 | 379 | 27 | 3.45 | | |
| 4.0 | 806 | 336 | 27 | 3.90 | | |
| 1.7 | 1933 | 806 | 14 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 1.8 | 1817 | 758 | 15 | 0.90 | | |
| 2.0 | 1563 | 652 | 17 | 1.05 | | |
| 1.7 | 1870 | 780 | 15 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 1.9 | 1650 | 688 | 16 | 1.00 | | |
| 2.2 | 1441 | 601 | 17 | 1.10 | | |
| 2.5 | 1264 | 527 | 18 | 1.30 | | |
| 2.9 | 1098 | 458 | 19 | 1.45 | | |
| 4.9 | 645 | 269 | 19 | 2.50 | | |
| 5.6 | 568 | 237 | 19 | 2.85 | | |
| 2.5 | 1295 | 540 | 18 | 1.25 | **GR87R57 GRF87R57** | **4P** |
| 2.8 | 1137 | 474 | 19 | 1.45 | | |
| 3.3 | 964 | 402 | 19 | 1.70 | | |
| 3.7 | 870 | 363 | 19 | 1.85 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 3.1 | 1045 | 436 | 5.1 | 0.80 | **GR77R37 GRF77R37** | **4P** |
| 3.6 | 894 | 373 | 9.2 | 0.95 | | |
| 4.1 | 784 | 327 | 10 | 1.10 | | |
| 4.6 | 693 | 289 | 11 | 1.25 | | |
| 5.1 | 623 | 260 | 11 | 1.40 | | |
| 5.9 | 537 | 224 | 11 | 1.60 | | |
| 6.8 | 472 | 197 | 12 | 1.80 | | |
| 7.9 | 405 | 169 | 12 | 2.10 | | |
| 8.9 | 357 | 149 | 12 | 2.40 | | |
| 4.5 | 705 | 294 | 5.9 | 0.90 | **GR67R37 GRF67R37** | **4P** |
| 5.1 | 626 | 261 | 7.3 | 1.00 | | |
| 5.7 | 561 | 234 | 7.9 | 1.10 | | |
| 6.7 | 480 | 200 | 8.6 | 1.30 | | |
| 2.6 | 1301 | 255.71 | 27 | 2.30 | **GR97 GRF97** | **8P** |
| 2.7 | 1227 | 241.25 | 27 | 2.40 | | |
| 3.1 | 1100 | 216.28 | 27 | 2.70 | | |
| 3.5 | 948 | 186.30 | 27 | 3.10 | | |
| 3.1 | 1093 | 289.74 | 27 | 2.70 | **GR97 GRF97** | **6P** |
| 3.5 | 964 | 255.71 | 27 | 3.00 | | |
| 3.7 | 910 | 241.25 | 27 | 3.25 | | |
| 4.1 | 816 | 216.28 | 27 | 3.65 | | |
| 3.0 | 1106 | 217.48 | 18 | 1.40 | **GR87 GRF87** | **8P** |
| 3.2 | 1051 | 206.60 | 19 | 1.50 | | |
| 3.6 | 929 | 182.55 | 19 | 1.70 | | |
| 3.6 | 934 | 247.61 | 19 | 1.65 | **GR87 GRF87** | **6P** |
| 4.1 | 820 | 217.48 | 19 | 1.85 | | |
| 4.3 | 779 | 206.60 | 19 | 1.95 | | |
| 4.9 | 689 | 182.55 | 19 | 2.25 | | |
| 5.7 | 588 | 156.01 | 19 | 2.60 | | |
| 6.2 | 539 | 143.03 | 19 | 2.85 | | |
| 4.5 | 741 | 145.67 | 10 | 1.10 | **GR77 GRF77** | **8P** |
| 4.8 | 704 | 138.39 | 10 | 1.15 | | |
| 5.4 | 618 | 121.42 | 11 | 1.35 | | |
| 5.3 | 628 | 166.59 | 11 | 1.30 | **GR77 GRF77** | **6P** |
| 6.1 | 549 | 145.67 | 11 | 1.50 | | |
| 6.4 | 522 | 138.39 | 11 | 1.55 | | |
| 6.8 | 493 | 195.24 | 11 | 1.70 | **GR77 GRF77** | **4P** |
| 8.0 | 420 | 166.59 | 12 | 2.00 | | |
| 9.1 | 368 | 145.67 | 12 | 2.20 | | |
| 9.6 | 349 | 138.39 | 12 | 2.30 | | |
| 11 | 306 | 121.42 | 12 | 2.60 | | |
| 13 | 260 | 102.99 | 12 | 3.10 | | |
| 14 | 235 | 92.97 | 12 | 3.50 | | |
| 5.6 | 596 | 158.14 | 6.9 | 0.95 | **GR67 GRF67** | **6P** |
| 6.5 | 519 | 137.67 | 7.8 | 1.10 | | |
| 6.9 | 486 | 128.97 | 8.1 | 1.20 | | |
| 7.8 | 430 | 113.94 | 8.6 | 1.35 | | |
| 6.7 | 483 | 199.81 | 8.1 | 1.15 | **GR67 GRF67** | **4P** |
| 7.2 | 445 | 184.07 | 8.4 | 1.25 | | |
| 8.4 | 382 | 158.14 | 8.8 | 1.50 | | |
| 9.7 | 347 | 137.67 | 9.1 | 1.70 | | |
| 10 | 326 | 128.97 | 9.3 | 1.80 | | |
| 12 | 288 | 113.94 | 9.4 | 2.10 | | |
| 13 | 267 | 105.83 | 10 | 2.20 | | |
| 14 | 242 | 95.91 | 10 | 2.40 | | |
| 15 | 217 | 86.11 | 10 | 2.70 | | |
| 18 | 187 | 74.17 | 10 | 3.20 | | |
| 19 | 176 | 69.75 | 10 | 3.40 | | |
| 22 | 155 | 61.26 | 13 | 3.80 | | |
| 23 | 144 | 56.89 | 10 | 4.10 | | |
| 6.9 | 486 | 128.77 | 6.2 | 0.90 | **GR57 GRF57** | **6P** |
| 7.4 | 455 | 120.63 | 6.7 | 0.95 | | |
| 8.4 | 402 | 106.58 | 6.9 | 1.10 | | |
| 9.0 | 373 | 98.99 | 7.0 | 1.15 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 7.1 | 472 | 186.89 | 6.6 | 0.95 | **GR57 GRF57** | **4P** |
| 7.7 | 435 | 172.17 | 6.8 | 1.00 | | |
| 9.0 | 373 | 147.92 | 7.0 | 1.20 | | |
| 10 | 325 | 128.77 | 7.2 | 1.35 | | |
| 11 | 304 | 120.63 | 7.2 | 1.45 | | |
| 12 | 269 | 106.58 | 7.3 | 1.65 | | |
| 13 | 250 | 98.99 | 7.4 | 1.80 | | |
| 15 | 226 | 89.71 | 7.4 | 1.95 | | |
| 17 | 203 | 80.55 | 7.4 | 2.20 | | |
| 19 | 175 | 69.23 | 7.5 | 2.50 | | |
| 21 | 164 | 64.85 | 7.5 | 2.70 | | |
| 23 | 145 | 57.29 | 7.4 | 3.10 | | |
| 25 | 134 | 53.22 | 7.2 | 3.30 | | |
| 28 | 122 | 48.23 | 7.0 | 3.60 | | |
| 9.5 | 353 | 139.99 | 3.3 | 0.85 | **GR47 GRF47** | **4P** |
| 11 | 308 | 121.87 | 5.1 | 0.95 | | |
| 12 | 288 | 114.17 | 5.2 | 1.05 | | |
| 13 | 255 | 100.86 | 5.3 | 1.15 | | |
| 14 | 236 | 93.68 | 5.4 | 1.25 | | |
| 16 | 214 | 84.90 | 5.5 | 1.40 | | |
| 17 | 192 | 76.23 | 5.6 | 1.55 | | |
| 19 | 173 | 68.54 | 5.6 | 1.70 | | |
| 21 | 162 | 64.21 | 5.7 | 1.80 | | |
| 23 | 143 | 56.73 | 5.7 | 2.10 | | |
| 25 | 133 | 52.69 | 5.7 | 2.20 | | |
| 28 | 121 | 47.75 | 5.5 | 2.50 | | |
| 31 | 108 | 42.87 | 5.4 | 2.70 | | |
| 36 | 93 | 36.93 | 5.1 | 3.20 | | |
| 38 | 88 | 34.73 | 5.0 | 3.40 | | |
| 39 | 85 | 33.79 | 5.0 | 2.80 | **GR47 GRF47** | **4P** |
| 43 | 79 | 31.12 | 4.9 | 2.80 | | |
| 50 | 67 | 26.74 | 4.7 | 4.40 | | |
| 57 | 59 | 23.28 | 4.5 | 5.00 | | |
| 61 | 55 | 21.81 | 4.4 | 5.40 | | |
| 15 | 229 | 90.77 | 4.0 | 0.85 | **GR37 GRF37** | **4P** |
| 16 | 214 | 84.61 | 4.5 | 0.90 | | |
| 18 | 187 | 73.96 | 4.8 | 1.05 | | |
| 19 | 175 | 69.33 | 4.9 | 1.15 | **GR37 GRF37** | **4P** |
| 22 | 154 | 61.18 | 5.1 | 1.30 | | |
| 24 | 141 | 55.76 | 5.3 | 1.40 | | |
| 28 | 121 | 48.08 | 5.3 | 1.60 | | |
| 30 | 113 | 44.81 | 5.2 | 1.75 | | |
| 34 | 99 | 39.17 | 5.0 | 2.00 | | |
| 36 | 93 | 36.72 | 4.9 | 2.10 | | |
| 41 | 82 | 32.40 | 4.8 | 2.40 | | |
| 46 | 73 | 28.73 | 4.6 | 2.70 | | |
| 54 | 62 | 24.42 | 4.4 | 3.20 | | |
| 47 | 71 | 28.32 | 4.6 | 2.80 | **GR37 GRF37** | **4P** |
| 51 | 66 | 26.03 | 4.5 | 2.80 | | |
| 60 | 56 | 22.27 | 4.3 | 3.50 | | |
| 69 | 49 | 19.31 | 4.1 | 4.10 | | |
| 74 | 46 | 18.05 | 4.0 | 4.30 | | |
| 85 | 39 | 15.60 | 3.8 | 5.00 | **GR37 GRF37** | **4P** |
| 100 | 33 | 13.25 | 3.7 | 5.60 | | |
| 112 | 30 | 11.83 | 3.5 | 6.00 | | |
| 22 | 155 | 61.30 | 3.7 | 0.85 | **GR27 GRF27** | **4P** |
| 24 | 141 | 55.87 | 3.6 | 0.90 | | |
| 28 | 122 | 48.17 | 3.5 | 1.05 | | |
| 30 | 113 | 44.90 | 3.4 | 1.15 | | |
| 34 | 99 | 39.25 | 3.3 | 1.30 | | |
| 36 | 93 | 36.79 | 3.3 | 1.40 | | |
| 41 | 82 | 32.47 | 3.2 | 1.55 | | |
| 46 | 73 | 28.78 | 3.1 | 1.75 | | |
| 54 | 62 | 24.47 | 3.0 | 2.10 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 47 | 72 | 28.37 | 3.1 | 1.80 | **GR27 GRF27** | **4P** |
| 51 | 66 | 26.09 | 3.0 | 1.95 | | |
| 60 | 56 | 22.32 | 2.9 | 2.30 | | |
| 69 | 49 | 19.35 | 2.8 | 2.60 | | |
| 74 | 46 | 18.08 | 2.7 | 2.80 | | |
| 85 | 39 | 15.63 | 2.6 | 3.20 | | |
| 100 | 34 | 13.28 | 2.5 | 3.80 | | |
| 34 | 97 | 38.61 | 0.7 | 0.85 | **GR17 GRF17** | **4P** |
| 37 | 91 | 36.20 | 1.2 | 0.90 | | |
| 42 | 81 | 31.94 | 1.8 | 1.05 | | |
| 47 | 71 | 28.32 | 1.8 | 1.15 | | |
| 55 | 61 | 24.07 | 1.7 | 1.40 | | |
| 53 | 62 | 25.23 | 1.7 | 1.30 | **GR17 GRF17** | **4P** |
| 57 | 57 | 23.15 | 1.7 | 1.45 | | |
| 67 | 48 | 19.71 | 1.7 | 1.70 | | |
| 78 | 42 | 16.99 | 1.6 | 1.95 | | |
| 84 | 39 | 15.84 | 1.6 | 2.10 | | |
| 96 | 34 | 13.84 | 1.5 | 2.40 | | |
| 102 | 32 | 12.98 | 1.5 | 2.60 | | |
| 116 | 28 | 11.45 | 1.5 | 2.80 | | |
| 131 | 25 | 10.15 | 1.4 | 3.00 | | |
| 154 | 21 | 8.63 | 1.4 | 3.30 | | |
| 176 | 18 | 7.55 | 1.3 | 2.90 | | |
| 189 | 17 | 7.04 | 1.3 | 3.10 | | |
| 216 | 15 | 6.15 | 1.2 | 3.40 | | |
| 231 | 14 | 5.76 | 1.2 | 3.60 | | |
| 261 | 12 | 5.09 | 1.2 | 3.90 | | |
| 295 | 11 | 4.51 | 1.1 | 4.20 | | |
| 347 | 9.4 | 3.83 | 1.1 | 4.60 | | |
| 198 | 16 | 13.84 | 1.3 | 4.60 | **GR17 GRF17** | **2P** |
| 211 | 15 | 12.98 | 1.3 | 4.90 | | |
| 239 | 14 | 11.45 | 1.3 | 5.30 | | |
| 270 | 12 | 10.15 | 1.2 | 5.70 | | |
| 317 | 10 | 8.63 | 1.2 | 6.30 | | |
| 363 | 9.0 | 7.55 | 1.1 | 5.50 | | |
| 389 | 8.4 | 7.04 | 1.1 | 5.80 | | |
| 446 | 7.3 | 6.15 | 1.0 | 6.60 | | |
| 476 | 6.8 | 5.76 | 1.0 | 6.90 | | |
| 538 | 6.0 | 5.09 | 1.0 | 7.50 | | |
| 608 | 5.4 | 4.51 | 0.9 | 8.00 | | |
| 715 | 4.5 | 3.83 | 0.9 | 8.80 | | |
| 172 | 20 | 5.18 | 4.3 | 3.70 | **GRX67 GRXF67** | **6P** |
| 196 | 18 | 4.53 | 4.2 | 4.60 | | |
| 207 | 17 | 4.30 | 4.1 | 4.70 | | |
| 236 | 15 | 3.77 | 3.9 | 5.90 | | |
| 219 | 16 | 6.07 | 4.0 | 2.80 | **GRX67 GRXF67** | **4P** |
| 257 | 13 | 5.18 | 3.8 | 5.60 | | |
| 294 | 12 | 4.53 | 3.6 | 7.10 | | |
| 309 | 11 | 4.30 | 3.6 | 7.30 | | |
| 353 | 10 | 3.77 | 3.4 | 9.00 | | |
| 416 | 8 | 3.20 | 3.2 | 12 | | |
| 460 | 7 | 2.89 | 3.1 | 14 | | |
| 524 | 7 | 2.54 | 3.0 | 18 | | |
| 554 | 6 | 2.40 | 3.0 | 20 | | |
| 652 | 5 | 2.04 | 2.8 | 26 | | |
| 205 | 17 | 4.35 | 3.3 | 4.00 | **GRX57 GRXF57** | **6P** |
| 235 | 15 | 3.79 | 3.2 | 4.60 | | |
| 251 | 14 | 3.55 | 3.1 | 5.00 | | |
| 242 | 14 | 5.50 | 3.1 | 2.80 | **GRX57 GRXF57** | **4P** |
| 262 | 13 | 5.07 | 3.0 | 2.80 | | |
| 306 | 11 | 4.35 | 2.9 | 6.10 | | |
| 351 | 9.8 | 3.79 | 2.8 | 7.10 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 375 | 9.2 | 3.55 | 2.7 | 7.60 | **GRX57 GRXF57** | **4P** |
| 424 | 8.1 | 3.14 | 2.6 | 8.10 | | |
| 457 | 7.5 | 2.91 | 2.6 | 8.90 | | |
| 504 | 6.8 | 2.64 | 2.5 | 10 | | |
| 561 | 6.1 | 2.37 | 2.4 | 11 | | |
| 652 | 5.3 | 2.04 | 2.3 | 13 | | |
| 693 | 5.0 | 1.92 | 2.2 | 14 | | |
| 806 | 4.3 | 1.65 | 2.1 | 16 | | |
| **0.55kW** | | | | | | |
| 0.11 | 42568 | 12482 | 128 | 0.9 | **GR177R97 GRF177R97** | **4P** |
| 0.13 | 36402 | 10674 | 128 | 1.0 | | |
| 0.16 | 30175 | 8848 | 128 | 1.2 | | |
| 0.25 | 18873 | 5534 | 128 | 1.9 | | |
| 0.28 | 16758 | 4914 | 128 | 2.2 | | |
| 0.23 | 20725 | 6077 | 114 | 0.85 | **GR167R97 GRF167R97** | **4P** |
| 0.26 | 18440 | 5407 | 114 | 0.95 | | |
| 0.30 | 15858 | 4650 | 114 | 1.10 | | |
| 0.34 | 14081 | 4129 | 114 | 1.25 | | |
| 0.28 | 16250 | 4926 | 25 | 0.80 | **GR147R77 GRF147R77** | **4P** |
| 0.32 | 14750 | 4325 | 53 | 0.85 | | |
| 0.37 | 12802 | 3754 | 60 | 1.05 | | |
| 0.42 | 11261 | 3302 | 63 | 1.15 | | |
| 0.48 | 9883 | 2898 | 65 | 1.30 | | |
| 0.54 | 8713 | 2555 | 66 | 1.50 | **GR147R77 GRF147R77** | **4P** |
| 0.63 | 7540 | 2211 | 67 | 1.70 | | |
| 0.71 | 6654 | 1951 | 68 | 1.95 | | |
| 0.82 | 5815 | 1705 | 69 | 2.25 | | |
| 0.90 | 5238 | 1536 | 69 | 2.50 | | |
| 1.0 | 4532 | 1329 | 70 | 2.85 | | |
| 1.2 | 3976 | 1166 | 70 | 3.25 | | |
| 0.56 | 8471 | 2484 | 49 | 0.95 | **GR137R77 GRF137R77** | **4P** |
| 0.52 | 9065 | 2658 | 47 | 0.90 | **GR137R77 GRF137R77** | **4P** |
| 0.58 | 8226 | 2412 | 50 | 0.95 | | |
| 0.67 | 7070 | 2073 | 52 | 1.10 | | |
| 0.76 | 6272 | 1839 | 54 | 1.25 | | |
| 0.87 | 5450 | 1598 | 55 | 1.45 | | |
| 0.99 | 4764 | 1397 | 56 | 1.65 | | |
| 1.1 | 4181 | 1226 | 56 | 1.90 | | |
| 1.3 | 3717 | 1090 | 57 | 2.15 | | |
| 1.5 | 3243 | 951 | 57 | 2.45 | | |
| 1.7 | 2834 | 831 | 57 | 2.80 | | |
| 0.99 | 4798 | 1407 | 22 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 1.1 | 4123 | 1209 | 29 | 1.05 | | |
| 1.3 | 3598 | 1055 | 31 | 1.20 | | |
| 1.5 | 3134 | 919 | 33 | 1.35 | | |
| 1.7 | 2779 | 815 | 34 | 1.55 | | |
| 1.9 | 2445 | 717 | 34 | 1.75 | | |
| 2.2 | 2135 | 626 | 35 | 2.00 | | |
| 0.99 | 4774 | 1400 | 24 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 1.1 | 4181 | 1226 | 29 | 1.05 | | |
| 1.3 | 3765 | 1104 | 31 | 1.15 | | |
| 1.5 | 3202 | 939 | 33 | 1.35 | | |
| 1.7 | 2803 | 822 | 34 | 1.55 | | |
| 1.5 | 3199 | 938 | 4.4 | 0.95 | **GR97R57 GRF97R57** | **4P** |
| 1.7 | 2810 | 824 | 21 | 1.05 | | |
| 1.9 | 2513 | 737 | 23 | 1.20 | | |
| 2.2 | 2155 | 632 | 24 | 1.40 | | |
| 2.5 | 1910 | 560 | 25 | 1.55 | | |
| 2.9 | 1651 | 484 | 26 | 1.80 | | |
| 3.2 | 1470 | 431 | 26 | 2.00 | | |
| 3.7 | 1293 | 379 | 27 | 2.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 4.1 | 1146 | 336 | 27 | 2.60 | **GR97R57 GRF97R57** | **4P** |
| 4.7 | 1009 | 296 | 27 | 3.00 | | |
| 5.6 | 849 | 249 | 27 | 3.55 | | |
| 2.6 | 1797 | 527 | 14 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 3.0 | 1562 | 458 | 16 | 1.00 | | |
| 3.5 | 1361 | 399 | 17 | 1.15 | | |
| 3.9 | 1207 | 354 | 18 | 1.30 | | |
| 4.6 | 1027 | 301 | 19 | 1.50 | | |
| 2.9 | 1617 | 474 | 15 | 0.95 | **GR87R57 GRF87R57** | **4P** |
| 3.5 | 1371 | 402 | 17 | 1.10 | | |
| 3.8 | 1238 | 363 | 18 | 1.25 | | |
| 5.0 | 941 | 276 | 6.1 | 0.85 | **GR77R37 GRF77R37** | **4P** |
| 5.9 | 805 | 236 | 9.4 | 1.00 | | |
| 6.3 | 754 | 221 | 10 | 1.05 | | |
| 7.5 | 634 | 186 | 11 | 1.30 | | |
| 2.6 | 1933 | 255.71 | 25 | 1.50 | **GR97 GRF97** | **8P** |
| 2.7 | 1824 | 241.25 | 26 | 1.60 | | |
| 3.1 | 1635 | 216.28 | 26 | 1.80 | | |
| 3.1 | 1624 | 289.74 | 26 | 1.75 | **GR97 GRF97** | **6P** |
| 3.5 | 1434 | 255.71 | 26 | 2.00 | | |
| 3.7 | 1353 | 241.25 | 26 | 2.10 | | |
| 4.1 | 1213 | 216.28 | 27 | 2.40 | | |
| 4.8 | 1040 | 289.74 | 27 | 2.70 | **GR97 GRF97** | **4P** |
| 5.4 | 918 | 255.71 | 27 | 3.00 | | |
| 5.8 | 866 | 241.25 | 27 | 3.20 | | |
| 6.4 | 776 | 216.28 | 27 | 3.60 | | |
| 3.6 | 1388 | 247.61 | 17 | 1.10 | **GR87 GRF87** | **6P** |
| 4.1 | 1219 | 217.48 | 18 | 1.25 | | |
| 4.3 | 1158 | 206.60 | 18 | 1.30 | | |
| 4.9 | 1023 | 182.55 | 19 | 1.45 | | |
| 5.7 | 875 | 156.01 | 19 | 1.70 | | |
| 5.6 | 889 | 247.61 | 19 | 1.65 | **GR87 GRF87** | **4P** |
| 6.4 | 781 | 217.48 | 19 | 1.85 | | |
| 6.7 | 742 | 206.60 | 19 | 1.95 | | |
| 7.6 | 655 | 182.55 | 19 | 2.20 | | |
| 8.9 | 560 | 156.01 | 19 | 2.60 | | |
| 9.7 | 513 | 143.03 | 19 | 2.80 | | |
| 11 | 451 | 125.51 | 19 | 3.20 | | |
| 12 | 427 | 118.94 | 19 | 3.40 | | |
| 13 | 374 | 104.10 | 19 | 3.90 | | |
| 8.3 | 598 | 166.59 | 11 | 1.25 | **GR77 GRF77** | **4P** |
| 9.5 | 523 | 145.67 | 11 | 1.45 | | |
| 10 | 497 | 138.39 | 11 | 1.55 | | |
| 11 | 436 | 121.42 | 12 | 1.75 | | |
| 13 | 370 | 102.99 | 12 | 2.10 | | |
| 15 | 334 | 92.97 | 12 | 2.30 | | |
| 17 | 294 | 81.80 | 12 | 2.60 | | |
| 18 | 277 | 77.24 | 12 | 2.80 | | |
| 21 | 236 | 65.77 | 12 | 3.20 | | |
| 8.8 | 568 | 158.14 | 7.1 | 1.00 | **GR67 GRF67** | **4P** |
| 10 | 494 | 137.67 | 7.9 | 1.15 | | |
| 11 | 463 | 128.97 | 8.2 | 1.20 | | |
| 12 | 409 | 113.94 | 8.6 | 1.35 | | |
| 13 | 380 | 105.83 | 8.8 | 1.45 | | |
| 14 | 344 | 95.91 | 9.0 | 1.60 | | |
| 16 | 309 | 86.11 | 9.2 | 1.80 | | |
| 19 | 266 | 74.17 | 9.4 | 2.10 | | |
| 20 | 250 | 69.75 | 10 | 2.20 | | |
| 23 | 220 | 61.26 | 10 | 2.50 | | |
| 24 | 204 | 56.89 | 10 | 2.70 | | |
| 12 | 433 | 120.63 | 6.7 | 0.95 | **GR57 GRF57** | **4P** |
| 13 | 383 | 106.58 | 6.9 | 1.10 | | |
| 14 | 355 | 98.99 | 7.0 | 1.20 | | |
| 15 | 322 | 89.71 | 7.1 | 1.30 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 17 | 289 | 80.55 | 7.2 | 1.45 | **GR57 GRF57** | **4P** |
| 20 | 249 | 69.23 | 7.3 | 1.70 | | |
| 21 | 233 | 64.85 | 7.4 | 1.80 | | |
| 24 | 206 | 57.29 | 7.2 | 2.00 | | |
| 26 | 191 | 53.22 | 7.0 | 2.20 | | |
| 29 | 173 | 48.23 | 6.8 | 2.40 | | |
| 32 | 155 | 43.30 | 6.6 | 2.70 | | |
| 37 | 134 | 37.30 | 6.4 | 3.10 | | |
| 40 | 126 | 35.07 | 6.3 | 3.30 | | |
| 53 | 94 | 26.31 | 5.8 | 4.40 | **GR57 GRF57** | **4P** |
| 56 | 90 | 24.99 | 5.7 | 4.70 | | |
| 63 | 79 | 21.93 | 5.5 | 5.30 | | |
| 75 | 67 | 18.60 | 5.2 | 6.30 | | |
| 15 | 336 | 93.68 | 3.1 | 0.85 | **GR47 GRF47** | **4P** |
| 16 | 305 | 84.90 | 5.0 | 0.90 | | |
| 18 | 274 | 76.23 | 5.2 | 1.00 | | |
| 20 | 246 | 68.54 | 5.3 | 1.15 | | |
| 22 | 231 | 64.21 | 5.4 | 1.20 | | |
| 25 | 204 | 56.73 | 5.5 | 1.35 | | |
| 26 | 189 | 52.69 | 5.5 | 1.45 | | |
| 29 | 171 | 47.75 | 5.3 | 1.65 | | |
| 32 | 154 | 42.87 | 5.2 | 1.80 | | |
| 38 | 133 | 36.93 | 5.0 | 2.10 | | |
| 40 | 125 | 34.73 | 4.9 | 2.20 | | |
| 47 | 107 | 29.88 | 4.7 | 2.60 | | |
| 52 | 96 | 26.74 | 4.6 | 2.90 | | |
| 60 | 84 | 23.28 | 4.4 | 3.30 | | |
| 64 | 78 | 21.81 | 4.3 | 3.60 | | |
| 23 | 213 | 61.18 | 3.7 | 0.85 | **GR37 GRF37** | **4P** |
| 25 | 194 | 55.76 | 4.5 | 0.95 | | |
| 29 | 167 | 48.08 | 4.9 | 1.10 | | |
| 31 | 156 | 44.81 | 5.0 | 1.15 | | |
| 35 | 136 | 39.17 | 4.8 | 1.30 | | |
| 38 | 128 | 36.72 | 4.7 | 1.40 | | |
| 43 | 113 | 32.40 | 4.6 | 1.60 | | |
| 48 | 100 | 28.73 | 4.5 | 1.80 | | |
| 57 | 85 | 24.42 | 4.3 | 2.10 | | |
| 62 | 77 | 22.27 | 4.2 | 2.30 | **GR37 GRF37** | **4P** |
| 72 | 67 | 19.31 | 4.0 | 2.70 | | |
| 77 | 63 | 18.05 | 3.9 | 2.90 | | |
| 89 | 54 | 15.60 | 3.8 | 3.30 | | |
| 105 | 46 | 13.25 | 3.6 | 3.70 | | |
| 117 | 41 | 11.83 | 3.5 | 4.00 | | |
| 35 | 136 | 39.25 | 3.1 | 0.85 | **GR27 GRF27** | **4P** |
| 38 | 128 | 36.79 | 3.1 | 0.90 | | |
| 43 | 113 | 32.47 | 3.0 | 1.05 | | |
| 48 | 100 | 28.78 | 2.9 | 1.15 | | |
| 57 | 85 | 24.47 | 2.8 | 1.40 | | |
| 62 | 78 | 22.32 | 2.8 | 1.50 | **GR27 GRF27** | **4P** |
| 72 | 67 | 19.35 | 2.7 | 1.75 | | |
| 77 | 63 | 18.08 | 2.6 | 1.85 | | |
| 89 | 54 | 15.63 | 2.5 | 2.20 | | |
| 105 | 46 | 13.28 | 2.4 | 2.50 | | |
| 117 | 41 | 11.86 | 2.3 | 2.80 | | |
| 137 | 35 | 10.13 | 2.3 | 3.10 | | |
| 148 | 33 | 9.41 | 2.2 | 3.40 | | |
| 170 | 28 | 8.16 | 2.1 | 3.70 | | |
| 182 | 27 | 7.63 | 2.1 | 3.80 | | |
| 211 | 23 | 6.59 | 2.0 | 4.20 | | |
| 248 | 19 | 5.60 | 1.9 | 4.60 | | |
| 278 | 17 | 5.00 | 1.8 | 4.90 | | |
| 326 | 15 | 4.27 | 1.7 | 5.30 | | |
| 348 | 14 | 4.00 | 1.7 | 5.50 | | |
| 412 | 12 | 3.37 | 1.6 | 6.10 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 51 | 95 | 53.76 | 0.2 | 0.80 | **GR17 GRF17** | **2P** |
| 58 | 84 | 47.44 | 1.2 | 0.90 | | |
| 62 | 78 | 44.18 | 1.5 | 1.00 | | |
| 71 | 68 | 38.61 | 1.5 | 1.15 | | |
| 71 | 69 | 19.71 | 1.5 | 1.10 | **GR17 GRF17** | **4P** |
| 82 | 59 | 16.99 | 1.5 | 1.30 | | |
| 88 | 55 | 15.84 | 1.5 | 1.40 | | |
| 100 | 48 | 13.84 | 1.4 | 1.60 | | |
| 107 | 45 | 12.98 | 1.4 | 1.70 | | |
| 121 | 40 | 11.45 | 1.4 | 1.85 | | |
| 137 | 35 | 10.15 | 1.4 | 1.95 | | |
| 161 | 30 | 8.63 | 1.3 | 2.20 | | |
| 184 | 26 | 7.55 | 1.2 | 1.90 | | |
| 197 | 24 | 7.04 | 1.2 | 2.00 | | |
| 226 | 21 | 6.15 | 1.2 | 2.30 | | |
| 241 | 20 | 5.76 | 1.2 | 2.40 | | |
| 273 | 18 | 5.09 | 1.1 | 2.60 | | |
| 308 | 16 | 4.51 | 1.1 | 2.80 | | |
| 363 | 13 | 3.83 | 1.1 | 3.00 | | |
| 317 | 15 | 8.63 | 1.1 | 4.30 | **GR17 GRF17** | **2P** |
| 363 | 13 | 7.55 | 1.0 | 3.80 | | |
| 389 | 12 | 7.04 | 1.0 | 4.00 | | |
| 446 | 11 | 6.15 | 1.0 | 4.50 | | |
| 476 | 10 | 5.76 | 1.0 | 4.70 | | |
| 538 | 9.0 | 5.09 | 0.9 | 5.20 | | |
| 608 | 8.0 | 4.51 | 0.9 | 5.40 | | |
| 715 | 6.8 | 3.83 | 0.9 | 6.00 | | |
| 172 | 30 | 5.18 | 4.3 | 2.50 | **GRX67 GRXF67** | **6P** |
| 196 | 26 | 4.53 | 4.1 | 3.10 | | |
| 207 | 25 | 4.30 | 4.0 | 3.20 | | |
| 236 | 22 | 3.77 | 3.9 | 4.00 | | |
| 268 | 19 | 5.18 | 3.8 | 3.80 | **GRX67 GRXF67** | **4P** |
| 307 | 17 | 4.53 | 3.6 | 4.70 | | |
| 323 | 16 | 4.30 | 3.6 | 4.80 | | |
| 369 | 14 | 3.77 | 3.4 | 6.00 | | |
| 434 | 12 | 3.20 | 3.2 | 8.10 | | |
| 481 | 11 | 2.89 | 3.1 | 9.50 | | |
| 547 | 9.4 | 2.54 | 3.0 | 12 | | |
| 579 | 8.8 | 2.40 | 3.0 | 13 | | |
| 681 | 7.5 | 2.04 | 2.8 | 17 | | |
| 747 | 6.9 | 1.86 | 2.7 | 18 | | |
| 863 | 5.9 | 1.61 | 2.6 | 18 | | |
| 205 | 25 | 4.35 | 3.3 | 2.70 | **GRX57 GRXF57** | **6P** |
| 235 | 22 | 3.79 | 3.1 | 3.10 | | |
| 251 | 20 | 3.55 | 3.1 | 3.30 | | |
| 283 | 18 | 3.14 | 3.0 | 3.50 | | |
| 306 | 17 | 2.91 | 2.9 | 3.90 | | |
| 320 | 16 | 4.35 | 2.9 | 4.10 | **GRX57 GRXF57** | **4P** |
| 367 | 14 | 3.79 | 2.8 | 4.70 | | |
| 392 | 13 | 3.55 | 2.7 | 5.00 | | |
| 443 | 12 | 3.14 | 2.6 | 5.40 | | |
| 478 | 11 | 2.91 | 2.5 | 6.00 | | |
| 527 | 9.7 | 2.64 | 2.5 | 6.80 | | |
| 586 | 8.7 | 2.37 | 2.4 | 7.50 | | |
| 681 | 7.5 | 2.04 | 2.3 | 8.70 | | |
| 724 | 7.1 | 1.92 | 2.2 | 9.30 | | |
| 842 | 6.1 | 1.65 | 2.1 | 11 | | |
| 939 | 5.5 | 1.48 | 2.0 | 12 | | |
| 1103 | 4.6 | 1.26 | 2.0 | 13 | | |
| **0.75kW** | | | | | | |
| 0.16 | 41147 | 8848 | 128 | 0.9 | **GR179R97 GRF179R97** | **4P** |
| 0.25 | 25736 | 5534 | 128 | 1.4 | | |
| 0.28 | 22852 | 4914 | 128 | 1.6 | | |
| 0.45 | 14407 | 3098 | 128 | 2.5 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 0.48 | 13551 | 2914 | 128 | 2.7 | **GR177R97 GRF179R97** | **4P** |
| 0.52 | 12506 | 2682 | 128 | 3.1 | | |
| 0.26 | 25145 | 5407 | 114 | 0.80 | **GR167R97 GRF167R97** | **4P** |
| 0.30 | 21625 | 4650 | 114 | 0.80 | | |
| 0.34 | 19202 | 4129 | 114 | 0.90 | **GR167R97 GRF167R97** | **4P** |
| 0.52 | 12356 | 2657 | 114 | 1.45 | | |
| 0.60 | 10850 | 2333 | 114 | 1.65 | | |
| 0.67 | 9696 | 2085 | 114 | 1.85 | | |
| 0.97 | 6687 | 1438 | 114 | 2.70 | | |
| 0.42 | 15356 | 3302 | 47 | 0.85 | **GR147R77 GRF147R77** | **4P** |
| 0.48 | 13477 | 2898 | 59 | 0.95 | | |
| 0.54 | 11882 | 2555 | 62 | 1.10 | **GR147R77 GRF147R77** | **4P** |
| 0.63 | 10282 | 2211 | 64 | 1.25 | | |
| 0.71 | 9073 | 1951 | 66 | 1.45 | | |
| 0.82 | 7929 | 1705 | 67 | 1.65 | | |
| 0.90 | 7143 | 1536 | 68 | 1.85 | | |
| 1.0 | 6180 | 1329 | 68 | 2.10 | | |
| 1.2 | 5422 | 1166 | 69 | 2.40 | | |
| 0.75 | 8664 | 1863 | 49 | 0.90 | **GR137R77 GRF137R77** | **4P** |
| 0.88 | 7376 | 1586 | 52 | 1.05 | | |
| 1.0 | 6469 | 1391 | 53 | 1.20 | | |
| 1.1 | 5841 | 1256 | 54 | 1.35 | | |
| 0.67 | 9640 | 2073 | 39 | 0.80 | **GR137R77 GRF137R77** | **4P** |
| 0.76 | 8552 | 1839 | 49 | 0.95 | | |
| 0.87 | 7431 | 1598 | 52 | 1.05 | | |
| 1.0 | 6497 | 1397 | 53 | 1.20 | | |
| 1.1 | 5701 | 1226 | 55 | 1.40 | | |
| 1.3 | 5069 | 1090 | 55 | 1.55 | | |
| 1.5 | 4423 | 951 | 56 | 1.80 | | |
| 1.7 | 3865 | 831 | 57 | 2.05 | | |
| 1.9 | 3395 | 730 | 57 | 2.35 | | |
| 1.3 | 4906 | 1055 | 18 | 0.85 | **GR107R77 GRF107R77** | **4P** |
| 1.5 | 4274 | 919 | 28 | 1.00 | | |
| 1.7 | 3790 | 815 | 30 | 1.15 | | |
| 1.3 | 5134 | 1104 | 7 | 0.85 | **GR107R77 GRF107R77** | **4P** |
| 1.5 | 4367 | 939 | 28 | 1.00 | | |
| 1.7 | 3823 | 822 | 30 | 1.10 | | |
| 3.8 | 1716 | 369 | 35 | 2.50 | | |
| 4.3 | 1502 | 323 | 35 | 2.85 | | |
| 2.2 | 2939 | 632 | 20 | 1.00 | **GR97R57 GRF97R57** | **4P** |
| 2.5 | 2604 | 560 | 23 | 1.15 | | |
| 2.9 | 2251 | 484 | 24 | 1.35 | | |
| 3.2 | 2004 | 431 | 25 | 1.50 | | |
| 3.7 | 1763 | 379 | 26 | 1.70 | | |
| 4.1 | 1563 | 336 | 26 | 1.90 | | |
| 4.7 | 1377 | 296 | 26 | 2.20 | | |
| 5.6 | 1158 | 249 | 27 | 2.60 | | |
| 3.5 | 1856 | 399 | 12 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 3.9 | 1646 | 354 | 16 | 0.95 | | |
| 5.2 | 1251 | 269 | 18 | 1.25 | | |
| 5.9 | 1102 | 237 | 19 | 1.40 | | |
| 3.8 | 1688 | 363 | 15 | 0.90 | **GR87R57 GRF87R57** | **4P** |
| 4.6 | 1400 | 301 | 17 | 1.10 | | |
| 5.4 | 1195 | 257 | 18 | 1.30 | | |
| 2.7 | 2477 | 251.15 | 34 | 1.65 | **GR107 GRF107** | **8P** |
| 3.0 | 2268 | 229.95 | 34 | 1.80 | | |
| 3.4 | 2003 | 203.16 | 35 | 2.00 | | |
| 3.2 | 2133 | 216.28 | 24 | 1.35 | **GR97 GRF97** | **8P** |
| 3.7 | 1837 | 186.30 | 25 | 1.55 | | |
| 4.1 | 1677 | 170.02 | 26 | 1.70 | | |
| 3.6 | 1912 | 255.71 | 25 | 1.45 | **GR97 GRF97** | **6P** |
| 3.8 | 1804 | 241.25 | 25 | 1.55 | | |
| 4.2 | 1617 | 216.28 | 26 | 1.75 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 4.8 | 1418 | 289.74 | 26 | 2.00 | GR97 GRF97 | 4P |
| 5.4 | 1252 | 255.71 | 27 | 2.30 | | |
| 5.8 | 1181 | 241.25 | 27 | 2.40 | | |
| 6.4 | 1059 | 216.28 | 27 | 2.70 | | |
| 7.5 | 912 | 186.30 | 27 | 3.10 | | |
| 8.2 | 832 | 170.02 | 27 | 3.40 | | |
| 4.2 | 1626 | 217.48 | 15 | 0.90 | GR87 GRF87 | 6P |
| 4.4 | 1545 | 206.60 | 15 | 0.95 | | |
| 5.0 | 1365 | 182.55 | 17 | 1.05 | | |
| 5.8 | 1167 | 156.01 | 18 | 1.25 | GR87 GRF87 | 6P |
| 6.4 | 1069 | 143.03 | 18 | 1.35 | | |
| 5.6 | 1212 | 247.61 | 18 | 1.20 | GR87 GRF87 | 4P |
| 6.4 | 1065 | 217.48 | 18 | 1.40 | | |
| 6.7 | 1011 | 206.60 | 19 | 1.45 | | |
| 7.6 | 894 | 182.55 | 19 | 1.65 | | |
| 8.9 | 764 | 156.01 | 19 | 1.90 | | |
| 9.7 | 700 | 143.03 | 19 | 2.10 | | |
| 11 | 614 | 125.51 | 19 | 2.40 | | |
| 12 | 582 | 118.94 | 19 | 2.50 | | |
| 13 | 510 | 104.10 | 19 | 2.90 | | |
| 15 | 459 | 93.78 | 19 | 3.20 | | |
| 8.3 | 815 | 166.59 | 9.0 | 0.95 | GR77 GRF77 | 4P |
| 9.5 | 713 | 145.67 | 10 | 1.10 | | |
| 10 | 677 | 138.39 | 10 | 1.15 | | |
| 11 | 594 | 121.42 | 11 | 1.30 | GR77 GRF77 | 4P |
| 13 | 504 | 102.99 | 11 | 1.55 | | |
| 15 | 455 | 92.97 | 12 | 1.70 | | |
| 17 | 400 | 81.80 | 12 | 1.95 | | |
| 18 | 378 | 77.24 | 12 | 2.00 | | |
| 21 | 322 | 65.77 | 12 | 2.40 | | |
| 24 | 282 | 57.68 | 12 | 2.70 | | |
| 27 | 255 | 52.07 | 12 | 3.00 | | |
| 30 | 224 | 45.81 | 12 | 3.50 | | |
| 32 | 212 | 43.26 | 12 | 3.70 | | |
| 11 | 631 | 128.97 | 3.8 | 0.90 | GR67 GRF67 | 4P |
| 12 | 558 | 113.94 | 7.3 | 1.00 | | |
| 13 | 518 | 105.83 | 7.7 | 1.10 | | |
| 14 | 470 | 95.91 | 8.2 | 1.20 | | |
| 16 | 422 | 86.11 | 8.6 | 1.35 | | |
| 19 | 363 | 74.17 | 9.0 | 1.55 | | |
| 20 | 341 | 69.75 | 9.1 | 1.65 | | |
| 23 | 300 | 61.26 | 9.3 | 1.90 | | |
| 24 | 278 | 56.89 | 9.4 | 2.00 | | |
| 27 | 252 | 51.56 | 10 | 2.20 | | |
| 30 | 227 | 46.29 | 10 | 2.50 | | |
| 13 | 522 | 106.58 | 4.4 | 0.80 | GR57 GRF57 | 4P |
| 14 | 485 | 98.99 | 5.9 | 0.90 | | |
| 15 | 439 | 89.71 | 6.7 | 0.95 | | |
| 17 | 394 | 80.55 | 6.9 | 1.10 | | |
| 20 | 339 | 69.23 | 7.1 | 1.25 | | |
| 21 | 317 | 64.85 | 7.1 | 1.35 | | |
| 24 | 280 | 57.29 | 6.9 | 1.50 | | |
| 26 | 261 | 53.22 | 6.7 | 1.65 | | |
| 29 | 236 | 48.23 | 6.6 | 1.80 | | |
| 32 | 212 | 43.30 | 6.4 | 2.00 | | |
| 37 | 183 | 37.30 | 6.2 | 2.30 | | |
| 40 | 172 | 35.07 | 6.1 | 2.50 | | |
| 46 | 148 | 30.18 | 5.8 | 2.90 | | |
| 52 | 132 | 26.97 | 5.6 | 3.20 | | |
| 53 | 129 | 26.31 | 5.6 | 3.30 | GR57 GRF57 | 4P |
| 56 | 122 | 24.99 | 5.5 | 3.50 | | |
| 63 | 107 | 21.93 | 5.3 | 4.00 | | |
| 75 | 91 | 18.60 | 5.1 | 4.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 20 | 336 | 68.54 | 3.5 | 0.85 | GR47 GRF47 | 4P |
| 22 | 314 | 64.21 | 4.7 | 0.90 | | |
| 25 | 278 | 56.73 | 5.2 | 1.00 | | |
| 26 | 258 | 52.69 | 5.2 | 1.10 | GR47 GRF47 | 4P |
| 29 | 234 | 47.75 | 5.1 | 1.20 | | |
| 32 | 210 | 42.87 | 5.0 | 1.35 | | |
| 38 | 181 | 36.93 | 4.8 | 1.55 | | |
| 40 | 170 | 34.73 | 4.7 | 1.65 | | |
| 47 | 146 | 29.88 | 4.6 | 1.95 | | |
| 52 | 131 | 26.70 | 4.4 | 2.20 | | |
| 61 | 112 | 22.81 | 4.3 | 2.50 | | |
| 52 | 131 | 26.74 | 4.4 | 2.20 | GR47 GRF47 | 4P |
| 60 | 114 | 23.28 | 4.3 | 2.50 | | |
| 64 | 107 | 21.81 | 4.2 | 2.70 | | |
| 72 | 94 | 19.27 | 4.1 | 3.00 | | |
| 78 | 88 | 17.89 | 4.0 | 3.10 | | |
| 86 | 79 | 16.22 | 3.9 | 3.30 | | |
| 29 | 228 | 48.08 | 2.2 | 0.80 | GR37 GRF37 | 4P |
| 31 | 212 | 44.81 | 4.0 | 0.85 | | |
| 35 | 186 | 39.17 | 4.5 | 1.00 | | |
| 38 | 174 | 36.72 | 4.5 | 1.05 | GR37 GRF37 | 4P |
| 43 | 154 | 32.40 | 4.4 | 1.20 | | |
| 48 | 136 | 28.73 | 4.3 | 1.35 | | |
| 57 | 116 | 24.42 | 4.1 | 1.60 | | |
| 62 | 106 | 22.27 | 4.0 | 1.75 | GR37 GRF37 | 4P |
| 72 | 92 | 19.31 | 3.9 | 2.00 | | |
| 77 | 86 | 18.05 | 3.8 | 2.10 | | |
| 89 | 74 | 15.60 | 3.7 | 2.50 | | |
| 105 | 63 | 13.25 | 3.5 | 2.80 | | |
| 117 | 56 | 11.83 | 3.4 | 3.00 | | |
| 137 | 48 | 10.11 | 3.2 | 3.20 | | |
| 147 | 45 | 9.47 | 3.2 | 3.40 | | |
| 48 | 136 | 28.78 | 2.7 | 0.85 | GR27 GRF27 | 4P |
| 57 | 116 | 24.47 | 2.7 | 1.00 | | |
| 62 | 106 | 22.32 | 2.6 | 1.10 | GR27 GRF27 | 4P |
| 72 | 92 | 19.35 | 2.5 | 1.30 | | |
| 77 | 86 | 18.08 | 2.5 | 1.40 | | |
| 89 | 74 | 15.63 | 2.4 | 1.60 | | |
| 105 | 63 | 13.28 | 2.3 | 1.90 | | |
| 117 | 56 | 11.86 | 2.3 | 2.10 | | |
| 137 | 48 | 10.13 | 2.2 | 2.30 | | |
| 148 | 45 | 9.41 | 2.1 | 2.50 | | |
| 170 | 39 | 8.16 | 2.0 | 2.70 | | |
| 182 | 36 | 7.63 | 2.0 | 2.80 | | |
| 211 | 31 | 6.59 | 1.9 | 3.10 | | |
| 248 | 27 | 5.60 | 1.8 | 3.40 | | |
| 278 | 24 | 5.00 | 1.8 | 3.70 | | |
| 71 | 93 | 19.71 | 0.4 | 0.85 | GR17 GRF17 | 4P |
| 82 | 81 | 16.99 | 1.3 | 0.95 | | |
| 88 | 75 | 15.84 | 1.3 | 1.05 | | |
| 100 | 66 | 13.84 | 1.3 | 1.20 | | |
| 107 | 62 | 12.98 | 1.3 | 1.25 | | |
| 121 | 54 | 11.45 | 1.3 | 1.35 | | |
| 137 | 48 | 10.15 | 1.3 | 1.45 | | |
| 161 | 41 | 8.63 | 1.2 | 1.60 | | |
| 184 | 36 | 7.55 | 1.1 | 1.45 | | |
| 197 | 33 | 7.04 | 1.1 | 1.50 | | |
| 226 | 29 | 6.15 | 1.1 | 1.70 | | |
| 241 | 27 | 5.76 | 1.1 | 1.75 | | |
| 273 | 24 | 5.09 | 1.1 | 1.95 | | |
| 308 | 21 | 4.51 | 1.0 | 2.00 | | |
| 363 | 18 | 3.83 | 1.0 | 2.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 247 | 27 | 11.45 | 1.1 | 2.70 | | |
| 279 | 24 | 10.15 | 1.1 | 2.90 | | |
| 328 | 20 | 8.63 | 1.1 | 3.10 | | |
| 375 | 18 | 7.55 | 1.0 | 2.80 | | |
| 402 | 16 | 7.04 | 1.0 | 2.90 | **GR17 GRF17** | **2P** |
| 460 | 14 | 6.15 | 1.0 | 3.30 | | |
| 491 | 13 | 5.76 | 0.9 | 3.50 | | |
| 556 | 12 | 5.09 | 0.9 | 3.80 | | |
| 627 | 11 | 4.51 | 0.9 | 4.00 | | |
| 739 | 8.9 | 3.83 | 0.8 | 4.40 | | |
| 201 | 35 | 4.53 | 4.0 | 2.30 | | |
| 212 | 33 | 4.30 | 4.0 | 2.30 | **GRX67 GRXF67** | **6P** |
| 241 | 29 | 3.77 | 3.8 | 2.90 | | |
| 284 | 25 | 3.20 | 3.6 | 3.90 | | |
| 268 | 26 | 5.18 | 3.7 | 2.80 | | |
| 307 | 23 | 4.53 | 3.6 | 3.50 | | |
| 323 | 22 | 4.30 | 3.5 | 3.60 | | |
| 369 | 19 | 3.77 | 3.4 | 4.40 | | |
| 434 | 16 | 3.20 | 3.2 | 6.00 | **GRX67 GRXF67** | **4P** |
| 481 | 15 | 2.89 | 3.1 | 7.10 | | |
| 547 | 13 | 2.54 | 3.0 | 8.90 | | |
| 579 | 12 | 2.40 | 2.9 | 9.80 | | |
| 681 | 10 | 2.04 | 2.8 | 13 | | |
| 747 | 9.3 | 1.86 | 2.7 | 13 | | |
| 863 | 8.1 | 1.61 | 2.6 | 14 | | |
| 240 | 29 | 3.79 | 3.1 | 2.30 | | |
| 256 | 27 | 3.55 | 3.0 | 2.40 | **GRX57 GRXF57** | **6P** |
| 290 | 24 | 3.14 | 2.9 | 2.60 | | |
| 313 | 22 | 2.91 | 2.9 | 2.90 | | |
| 345 | 20 | 2.64 | 2.8 | 3.30 | | |
| 320 | 22 | 4.35 | 2.8 | 3.00 | | |
| 367 | 19 | 3.79 | 2.7 | 3.50 | | |
| 392 | 18 | 3.55 | 2.7 | 3.80 | | |
| 443 | 16 | 3.14 | 2.6 | 4.00 | | |
| 478 | 15 | 2.91 | 2.5 | 4.40 | | |
| 527 | 13 | 2.64 | 2.4 | 5.00 | **GRX57 GRXF57** | **4P** |
| 586 | 12 | 2.37 | 2.3 | 5.60 | | |
| 681 | 10 | 2.04 | 2.2 | 6.50 | | |
| 724 | 9.6 | 1.92 | 2.2 | 6.90 | | |
| 842 | 8.3 | 1.65 | 2.1 | 8.00 | | |
| 939 | 7.4 | 1.48 | 2.0 | 8.80 | | |
| 1103 | 6.3 | 1.26 | 1.9 | 9.30 | | |
| **1.1kW** | | | | | | |
| 0.25 | 37476 | 5534 | 128 | 1.0 | | |
| 0.28 | 33277 | 4914 | 128 | 1.1 | | |
| 0.32 | 29756 | 4394 | 128 | 1.2 | | |
| 0.35 | 26749 | 3950 | 128 | 1.4 | | |
| 0.41 | 23221 | 3429 | 128 | 1.6 | **GR177R97 GRF177R97** | **4P** |
| 0.45 | 20980 | 3098 | 128 | 1.7 | | |
| 0.48 | 19734 | 2914 | 128 | 1.9 | | |
| 0.52 | 18162 | 2682 | 128 | 2.0 | | |
| 0.61 | 15535 | 2294 | 128 | 2.4 | | |
| 0.65 | 14614 | 2158 | 128 | 2.5 | | |
| 0.76 | 12501 | 1846 | 128 | 2.9 | | |
| 0.53 | 17993 | 2657 | 114 | 1.00 | | |
| 0.60 | 15799 | 2333 | 114 | 1.15 | | |
| 0.67 | 14120 | 2085 | 114 | 1.30 | | |
| 0.75 | 12711 | 1877 | 114 | 1.40 | **GR167R97 GRF167R97** | **4P** |
| 0.84 | 11309 | 1670 | 114 | 1.60 | | |
| 0.97 | 9738 | 1438 | 114 | 1.85 | | |
| 1.1 | 8661 | 1279 | 114 | 2.05 | | |
| 1.2 | 7605 | 1123 | 114 | 2.35 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 0.63 | 14973 | 2211 | 48 | 0.85 | **GR147R77 GRF147R77** | **4P** |
| 0.72 | 13212 | 1951 | 59 | 1.00 | | |
| 0.82 | 11546 | 1705 | 62 | 1.15 | | |
| 0.91 | 10402 | 1536 | 64 | 1.25 | | |
| 1.1 | 9000 | 1329 | 66 | 1.45 | | |
| 1.2 | 7896 | 1166 | 67 | 1.65 | **GR147R77 GRF147R77** | **4P** |
| 1.4 | 6968 | 1029 | 68 | 1.85 | | |
| 1.6 | 6020 | 889 | 69 | 2.20 | | |
| 1.8 | 5309 | 784 | 69 | 2.50 | | |
| 2.0 | 4707 | 695 | 70 | 2.80 | | |
| 1.0 | 9420 | 1391 | 42 | 0.85 | | |
| 1.1 | 8506 | 1256 | 49 | 0.95 | **GR137R77 GRF137R77** | **4P** |
| 1.3 | 7483 | 1105 | 52 | 1.05 | | |
| 1.3 | 7063 | 1043 | 52 | 1.10 | | |
| 1.6 | 6014 | 888 | 54 | 1.30 | | |
| 1.0 | 9460 | 1397 | 42 | 0.85 | | |
| 1.1 | 8302 | 1226 | 50 | 0.95 | | |
| 1.3 | 7381 | 1090 | 52 | 1.10 | | |
| 1.5 | 6440 | 951 | 53 | 1.25 | **GR137R77 GRF137R77** | **4P** |
| 1.7 | 5628 | 831 | 55 | 1.40 | | |
| 1.9 | 4944 | 730 | 56 | 1.60 | | |
| 2.2 | 4260 | 629 | 56 | 1.85 | | |
| 2.5 | 3792 | 560 | 57 | 2.10 | | |
| 2.9 | 3318 | 490 | 57 | 2.40 | | |
| 2.0 | 4856 | 717 | 19 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 2.3 | 4158 | 614 | 29 | 1.05 | | |
| 2.6 | 3684 | 544 | 31 | 1.15 | | |
| 2.8 | 3332 | 492 | 32 | 1.30 | | |
| 3.4 | 2824 | 417 | 34 | 1.50 | **GR107R77 GRF107R77** | **4P** |
| 3.8 | 2499 | 369 | 34 | 1.70 | | |
| 4.3 | 2187 | 323 | 35 | 1.95 | | |
| 4.9 | 1930 | 285 | 35 | 2.25 | | |
| 5.5 | 1713 | 253 | 35 | 2.50 | | |
| 3.2 | 2919 | 431 | 20 | 1.05 | | |
| 3.7 | 2567 | 379 | 23 | 1.15 | | |
| 4.2 | 2275 | 336 | 24 | 1.30 | **GR97R57 GRF97R57** | **4P** |
| 4.7 | 2005 | 296 | 25 | 1.50 | | |
| 5.6 | 1686 | 249 | 26 | 1.80 | | |
| 6.0 | 1585 | 234 | 26 | 1.90 | | |
| 6.7 | 1415 | 209 | 26 | 2.10 | | |
| 5.2 | 1822 | 269 | 13 | 0.85 | **GR87R57 GRF87R57** | **4P** |
| 5.9 | 1605 | 237 | 16 | 0.95 | | |
| 6.7 | 1422 | 210 | 17 | 1.10 | | |
| 5.4 | 1740 | 257 | 15 | 0.90 | **GR87R57 GRF87R57** | **4P** |
| 6.0 | 1578 | 233 | 16 | 1.00 | | |
| 7.1 | 1327 | 196 | 17 | 1.15 | | |
| 2.7 | 3632 | 251.15 | 30 | 1.10 | | |
| 3.0 | 3326 | 229.95 | 31 | 1.20 | **GR107 GRF107** | **8P** |
| 3.4 | 2938 | 203.16 | 33 | 1.35 | | |
| 4.0 | 2493 | 172.34 | 34 | 1.60 | | |
| 3.6 | 2804 | 255.71 | 20 | 1.05 | | |
| 3.8 | 2646 | 241.25 | 21 | 1.10 | **GR97 GRF97** | **6P** |
| 4.2 | 2372 | 216.28 | 23 | 1.20 | | |
| 4.9 | 2043 | 186.30 | 25 | 1.40 | | |
| 5.5 | 1823 | 255.71 | 25 | 1.55 | | |
| 5.8 | 1720 | 241.25 | 26 | 1.65 | | |
| 6.5 | 1542 | 216.28 | 26 | 1.85 | | |
| 7.5 | 1328 | 186.30 | 26 | 2.20 | **GR97 GRF97** | **4P** |
| 8.2 | 1212 | 170.02 | 27 | 2.30 | | |
| 9.3 | 1075 | 150.78 | 27 | 2.70 | | |
| 11 | 904 | 126.75 | 27 | 3.20 | | |
| 12 | 830 | 116.48 | 27 | 3.40 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 6.4 | 1550 | 217.48 | 16 | 0.95 | | |
| 6.8 | 1473 | 206.6 | 16 | 1.00 | | |
| 7.7 | 1301 | 182.55 | 17 | 1.15 | | |
| 9.0 | 1112 | 156.01 | 18 | 1.35 | | |
| 9.8 | 1020 | 143.03 | 19 | 1.45 | | |
| 11 | 895 | 125.51 | 19 | 1.65 | | |
| 12 | 848 | 118.94 | 19 | 1.75 | **GR87 GRF87** | **4P** |
| 13 | 742 | 104.1 | 19 | 2.00 | | |
| 15 | 669 | 93.78 | 19 | 2.20 | | |
| 17 | 586 | 82.27 | 19 | 2.50 | | |
| 19 | 520 | 72.88 | 19 | 2.80 | | |
| 22 | 456 | 63.96 | 19 | 3.20 | | |
| 23 | 432 | 60.61 | 19 | 3.40 | | |
| 26 | 378 | 53.05 | 19 | 3.90 | | |
| 12 | 866 | 121.42 | 8.5 | 0.90 | | |
| 14 | 734 | 102.99 | 10 | 1.05 | | |
| 15 | 663 | 92.97 | 10 | 1.20 | | |
| 17 | 583 | 81.80 | 11 | 1.35 | | |
| 18 | 551 | 77.24 | 11 | 1.40 | | |
| 21 | 469 | 65.77 | 11 | 1.65 | **GR77 GRF77** | **4P** |
| 24 | 411 | 57.68 | 12 | 1.90 | | |
| 27 | 371 | 52.07 | 12 | 2.10 | | |
| 31 | 327 | 45.81 | 12 | 2.40 | | |
| 32 | 308 | 43.26 | 12 | 2.50 | | |
| 38 | 263 | 36.83 | 12 | 3.00 | | |
| 42 | 239 | 33.47 | 12 | 3.30 | | |
| 16 | 614 | 86.11 | 6.5 | 0.95 | | |
| 19 | 529 | 74.17 | 7.6 | 1.10 | | |
| 20 | 497 | 69.75 | 8.0 | 1.15 | | |
| 23 | 437 | 61.26 | 8.5 | 1.30 | | |
| 25 | 406 | 56.89 | 8.7 | 1.40 | **GR67 GRF67** | **4P** |
| 27 | 368 | 51.56 | 8.9 | 1.55 | | |
| 30 | 330 | 46.29 | 9.2 | 1.75 | | |
| 35 | 284 | 39.88 | 9.4 | 1.95 | | |
| 37 | 267 | 37.50 | 9.5 | 2.00 | | |
| 43 | 230 | 32.27 | 10 | 2.20 | | |
| 49 | 206 | 28.83 | 10 | 2.40 | | |
| 50 | 201 | 28.13 | 10 | 2.60 | | |
| 52 | 190 | 26.72 | 10 | 2.70 | **GR67 GRF67** | **4P** |
| 60 | 167 | 23.44 | 9.2 | 3.20 | | |
| 70 | 142 | 19.89 | 8.8 | 4.00 | | |
| 20 | 493 | 69.23 | 5.7 | 0.85 | | |
| 22 | 462 | 64.85 | 6.5 | 0.90 | | |
| 24 | 408 | 57.29 | 6.4 | 1.05 | | |
| 26 | 379 | 53.22 | 6.3 | 1.15 | | |
| 29 | 344 | 48.23 | 6.2 | 1.25 | **GR57 GRF57** | **4P** |
| 32 | 309 | 43.30 | 6.0 | 1.40 | | |
| 38 | 266 | 37.30 | 5.8 | 1.60 | | |
| 40 | 250 | 35.07 | 5.8 | 1.70 | | |
| 46 | 215 | 30.18 | 5.6 | 2.00 | | |
| 52 | 192 | 26.97 | 5.4 | 2.20 | | |
| 53 | 188 | 26.31 | 5.4 | 2.30 | | |
| 56 | 178 | 24.99 | 5.3 | 2.40 | **GR57 GRF57** | **4P** |
| 64 | 156 | 21.93 | 5.1 | 2.70 | | |
| 75 | 133 | 18.60 | 4.9 | 3.20 | | |
| 83 | 120 | 16.79 | 4.8 | 3.60 | | |
| 29 | 340 | 47.75 | 3.3 | 0.85 | | |
| 33 | 306 | 42.87 | 4.6 | 0.95 | | |
| 38 | 263 | 36.93 | 4.5 | 1.10 | **GR47 GRF47** | **4P** |
| 40 | 248 | 34.73 | 4.4 | 1.15 | | |
| 47 | 213 | 29.88 | 4.3 | 1.35 | | |
| 52 | 190 | 26.70 | 4.2 | 1.50 | | |
| 61 | 163 | 22.81 | 4.1 | 1.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 60 | 166 | 23.28 | 4.1 | 1.70 | | |
| 64 | 155 | 21.81 | 4.0 | 1.85 | | |
| 73 | 137 | 19.27 | 3.9 | 2.00 | | |
| 78 | 128 | 17.89 | 3.8 | 2.20 | | |
| 86 | 116 | 16.22 | 3.7 | 2.30 | **GR47 GRF47** | **4P** |
| 96 | 104 | 14.56 | 3.6 | 2.40 | | |
| 112 | 89 | 12.54 | 3.5 | 2.70 | | |
| 119 | 84 | 11.79 | 3.4 | 2.80 | | |
| 138 | 72 | 10.15 | 3.3 | 3.00 | | |
| 154 | 65 | 9.07 | 3.2 | 3.20 | | |
| 43 | 224 | 32.40 | 2.8 | 0.80 | | |
| 49 | 198 | 28.73 | 3.1 | 0.95 | | |
| 57 | 169 | 24.42 | 3.5 | 1.10 | | |
| 73 | 133 | 19.31 | 3.6 | 1.40 | | |
| 78 | 125 | 18.05 | 3.6 | 1.50 | | |
| 90 | 108 | 15.60 | 3.5 | 1.70 | | |
| 106 | 91 | 13.25 | 3.3 | 1.90 | **GR37 GRF37** | **4P** |
| 118 | 82 | 11.83 | 3.3 | 2.10 | | |
| 138 | 70 | 10.11 | 3.1 | 2.20 | | |
| 148 | 65 | 9.47 | 3.1 | 2.30 | | |
| 176 | 55 | 7.97 | 2.9 | 2.60 | | |
| 210 | 46 | 6.67 | 2.8 | 2.90 | | |
| 247 | 39 | 5.67 | 2.7 | 3.30 | | |
| 277 | 35 | 5.06 | 2.6 | 3.50 | | |
| 72 | 134 | 19.35 | 2.3 | 0.90 | | |
| 77 | 125 | 18.08 | 2.3 | 0.95 | | |
| 90 | 108 | 15.63 | 2.2 | 1.10 | | |
| 105 | 92 | 13.28 | 2.2 | 1.30 | | |
| 118 | 82 | 11.86 | 2.1 | 1.45 | | |
| 138 | 70 | 10.13 | 2.1 | 1.60 | | |
| 172 | 56 | 8.16 | 1.9 | 1.90 | **GR27 GRF27** | **4P** |
| 183 | 53 | 7.63 | 1.9 | 1.95 | | |
| 212 | 45 | 6.59 | 1.8 | 2.10 | | |
| 250 | 39 | 5.60 | 1.7 | 2.40 | | |
| 280 | 35 | 5.00 | 1.7 | 2.50 | | |
| 328 | 29 | 4.27 | 1.6 | 2.70 | | |
| 350 | 28 | 4.00 | 1.6 | 2.80 | | |
| 415 | 23 | 3.37 | 1.5 | 3.10 | | |
| 213 | 45 | 13.28 | 1.9 | 2.50 | | |
| 239 | 41 | 11.86 | 1.8 | 2.80 | | |
| 279 | 35 | 10.13 | 1.7 | 3.10 | | |
| 301 | 32 | 9.41 | 1.7 | 3.30 | | |
| 347 | 28 | 8.16 | 1.6 | 3.70 | | |
| 371 | 26 | 7.63 | 1.6 | 3.80 | **GR27 GRF27** | **2P** |
| 429 | 23 | 6.59 | 1.5 | 4.10 | | |
| 505 | 19 | 5.60 | 1.5 | 4.50 | | |
| 566 | 17 | 5.00 | 1.4 | 4.90 | | |
| 663 | 15 | 4.27 | 1.4 | 5.20 | | |
| 708 | 14 | 4.00 | 1.3 | 5.40 | | |
| 840 | 12 | 3.37 | 1.3 | 6.00 | | |
| 144 | 67 | 19.71 | 1.1 | 1.10 | | |
| 167 | 58 | 16.99 | 1.1 | 1.30 | | |
| 179 | 54 | 15.84 | 1.1 | 1.40 | | |
| 204 | 47 | 13.84 | 1.1 | 1.60 | | |
| 218 | 44 | 12.98 | 1.1 | 1.70 | | |
| 247 | 39 | 11.45 | 1.0 | 1.80 | | |
| 279 | 35 | 10.15 | 1.0 | 1.95 | **GR17 GRF17** | **2P** |
| 328 | 29 | 8.63 | 1.0 | 2.10 | | |
| 375 | 26 | 7.55 | 0.9 | 1.90 | | |
| 402 | 24 | 7.04 | 0.9 | 2.00 | | |
| 460 | 21 | 6.15 | 0.9 | 2.30 | | |
| 491 | 20 | 5.76 | 0.9 | 2.40 | | |
| 556 | 17 | 5.09 | 0.9 | 2.60 | | |
| 627 | 15 | 4.51 | 0.8 | 2.70 | | |
| 739 | 13 | 3.83 | 0.8 | 3.00 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 249 | 41 | 5.63 | 5.4 | 2.60 | **GRX77 GRXF77** | **4P** |
| 262 | 39 | 5.35 | 5.3 | 2.60 | | |
| 296 | 35 | 4.73 | 5.1 | 3.50 | | |
| 201 | 51 | 4.53 | 3.9 | 1.60 | **GRX67 GRXF67** | **6P** |
| 212 | 48 | 4.30 | 3.9 | 1.65 | | |
| 241 | 42 | 3.77 | 3.7 | 2.00 | | |
| 309 | 33 | 4.53 | 3.5 | 2.40 | **GRX67 GRXF67** | **4P** |
| 326 | 31 | 4.30 | 3.4 | 2.50 | | |
| 371 | 28 | 3.77 | 3.3 | 3.10 | | |
| 438 | 23 | 3.20 | 3.1 | 4.20 | | |
| 484 | 21 | 2.89 | 3.0 | 4.90 | | |
| 551 | 19 | 2.54 | 2.9 | 6.20 | | |
| 583 | 18 | 2.40 | 2.9 | 6.80 | | |
| 686 | 15 | 2.04 | 2.7 | 8.80 | | |
| 753 | 14 | 1.86 | 2.6 | 9.10 | | |
| 870 | 12 | 1.61 | 2.5 | 9.40 | | |
| 1000 | 10 | 1.40 | 2.4 | 9.90 | | |
| 240 | 43 | 3.79 | 3.0 | 1.60 | **GRX57 GRXF57** | **6P** |
| 256 | 40 | 3.55 | 2.9 | 1.70 | | |
| 290 | 35 | 3.14 | 2.8 | 1.80 | | |
| 313 | 33 | 2.91 | 2.8 | 2.00 | | |
| 345 | 30 | 2.64 | 2.7 | 2.30 | | |
| 369 | 28 | 3.79 | 2.6 | 2.40 | **GRX57 GRXF57** | **4P** |
| 394 | 26 | 3.55 | 2.6 | 2.60 | | |
| 446 | 23 | 3.14 | 2.5 | 2.80 | | |
| 481 | 21 | 2.91 | 2.4 | 3.10 | | |
| 530 | 19 | 2.64 | 2.4 | 3.50 | | |
| 591 | 17 | 2.37 | 2.3 | 3.90 | | |
| 686 | 15 | 2.04 | 2.2 | 4.50 | | |
| 729 | 14 | 1.92 | 2.2 | 4.80 | | |
| 848 | 12 | 1.65 | 2.1 | 5.60 | | |
| 946 | 11 | 1.48 | 2.0 | 6.10 | | |
| 1111 | 9.2 | 1.26 | 1.9 | 6.40 | | |
| **1.5kW** | | | | | | |
| 0.32 | 40576 | 4394 | 128 | 0.9 | **GR177R97 GRF177R97** | **4P** |
| 0.35 | 36476 | 3950 | 128 | 1.0 | | |
| 0.41 | 31665 | 3429 | 128 | 1.2 | | |
| 0.45 | 28609 | 3098 | 128 | 1.3 | | |
| 0.48 | 26909 | 2914 | 128 | 1.4 | | |
| 0.52 | 24767 | 2682 | 128 | 1.5 | | |
| 0.61 | 21184 | 2294 | 128 | 1.7 | | |
| 0.65 | 19928 | 2158 | 128 | 1.8 | | |
| 0.76 | 17047 | 1846 | 128 | 2.1 | | |
| 1.0 | 13252 | 1435 | 128 | 2.8 | | |
| 1.2 | 10980 | 1189 | 128 | 3.3 | | |
| 0.60 | 21544 | 2333 | 114 | 0.85 | **GR167R97 GRF167R97** | **4P** |
| 0.67 | 19254 | 2085 | 114 | 0.95 | | |
| 0.75 | 17333 | 1877 | 114 | 1.05 | | |
| 0.84 | 15422 | 1670 | 114 | 1.15 | | |
| 0.97 | 13279 | 1438 | 114 | 1.35 | | |
| 1.1 | 11811 | 1279 | 114 | 1.50 | | |
| 1.2 | 10370 | 1123 | 114 | 1.75 | | |
| 1.4 | 9225 | 999 | 114 | 1.95 | | |
| 3.3 | 3934 | 426 | 70 | 3.30 | **GR147R87 GRF147R87** | **4P** |
| 3.8 | 3398 | 368 | 70 | 3.90 | | |
| 0.82 | 15745 | 1705 | 39 | 0.85 | **GR147R77 GRF147R77** | **4P** |
| 0.91 | 14184 | 1536 | 57 | 0.90 | | |
| 1.1 | 12273 | 1329 | 61 | 1.05 | | |
| 1.2 | 10767 | 1166 | 63 | 1.20 | | |
| 1.4 | 9502 | 1029 | 65 | 1.35 | | |
| 1.6 | 8209 | 889 | 67 | 1.60 | | |
| 1.8 | 7240 | 784 | 68 | 1.85 | | |
| 2.0 | 6418 | 695 | 68 | 2.05 | | |
| 2.3 | 5716 | 619 | 69 | 2.30 | | |
| 2.5 | 5153 | 558 | 69 | 2.55 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 1.3 | 9632 | 1043 | 39 | 0.80 | **GR137R77 GRF137R77** | **4P** |
| 1.6 | 8200 | 888 | 50 | 0.95 | | |
| 2.0 | 6455 | 699 | 53 | 1.25 | | |
| 2.3 | 5624 | 609 | 55 | 1.40 | | |
| 1.3 | 1006 | 1090 | 31 | 0.80 | **GR137R77 GRF137R77** | **4P** |
| 1.5 | 8782 | 951 | 48 | 0.90 | | |
| 1.7 | 7674 | 831 | 51 | 1.05 | | |
| 1.9 | 6741 | 730 | 53 | 1.20 | | |
| 2.2 | 5809 | 629 | 55 | 1.35 | | |
| 2.5 | 5171 | 560 | 55 | 1.55 | | |
| 2.9 | 4525 | 490 | 56 | 1.75 | | |
| 3.3 | 3952 | 428 | 57 | 2.00 | | |
| 3.7 | 3518 | 381 | 57 | 2.25 | | |
| 4.3 | 2983 | 323 | 57 | 2.65 | | |
| 2.7 | 4876 | 528 | 20 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 2.6 | 5024 | 544 | 14 | 0.85 | **GR107R77 GRF109R77** | **4P** |
| 2.8 | 4543 | 492 | 27 | 0.95 | | |
| 3.4 | 3851 | 417 | 30 | 1.10 | | |
| 3.8 | 3408 | 369 | 32 | 1.25 | | |
| 4.3 | 2983 | 323 | 33 | 1.45 | | |
| 3.0 | 4331 | 469 | 27 | 1.00 | **GR107R77 GRF107R77** | **4P** |
| 4.2 | 3103 | 336 | 14 | 0.95 | **GR97R57 GRF97R57** | **4P** |
| 4.7 | 2733 | 296 | 22 | 1.10 | | |
| 5.6 | 2299 | 249 | 24 | 1.30 | | |
| 6.0 | 2161 | 234 | 25 | 1.40 | | |
| 6.7 | 1930 | 209 | 25 | 1.55 | | |
| 3.0 | 4602 | 229.95 | 25 | 0.90 | **GR107 GRF107** | **8P** |
| 3.3 | 4066 | 203.16 | 29 | 1.05 | | |
| 3.9 | 3449 | 172.34 | 31 | 1.20 | | |
| 4.3 | 3176 | 158.68 | 32 | 1.30 | | |
| 3.7 | 3636 | 251.15 | 30 | 1.10 | **GR107 GRF107** | **6P** |
| 4.1 | 3329 | 229.95 | 31 | 1.20 | | |
| 4.6 | 2941 | 203.16 | 33 | 1.35 | | |
| 5.5 | 2495 | 172.34 | 34 | 1.60 | | |
| 5.9 | 2297 | 158.68 | 34 | 1.75 | | |
| 6.6 | 2053 | 141.83 | 35 | 1.95 | | |
| 5.5 | 2486 | 255.71 | 22 | 1.15 | **GR97 GRF97** | **4P** |
| 5.8 | 2345 | 241.25 | 23 | 1.20 | | |
| 6.5 | 2102 | 216.28 | 24 | 1.35 | | |
| 7.5 | 1811 | 186.30 | 25 | 1.60 | | |
| 8.2 | 1653 | 170.02 | 26 | 1.75 | | |
| 9.3 | 1466 | 150.78 | 26 | 1.95 | | |
| 11 | 1232 | 126.75 | 27 | 2.30 | | |
| 12 | 1132 | 116.48 | 27 | 2.50 | | |
| 14 | 1005 | 103.44 | 27 | 2.80 | | |
| 15 | 899 | 92.48 | 27 | 3.20 | | |
| 7.7 | 1775 | 182.55 | 11 | 0.95 | **GR87 GRF87** | **4P** |
| 9.0 | 1517 | 156.01 | 16 | 1.00 | | |
| 9.8 | 1390 | 143.03 | 17 | 1.05 | | |
| 11 | 1220 | 125.51 | 18 | 1.20 | | |
| 12 | 1156 | 118.94 | 18 | 1.30 | | |
| 13 | 1012 | 104.10 | 19 | 1.45 | | |
| 15 | 912 | 93.78 | 19 | 1.65 | **GR87 GRF87** | **4P** |
| 17 | 800 | 82.27 | 19 | 1.85 | | |
| 19 | 708 | 72.88 | 19 | 2.10 | | |
| 22 | 622 | 63.96 | 19 | 2.40 | | |
| 23 | 589 | 60.61 | 19 | 2.50 | | |
| 26 | 516 | 53.05 | 19 | 2.90 | | |
| 29 | 465 | 47.79 | 19 | 3.20 | | |
| 33 | 407 | 41.92 | 19 | 3.70 | | |
| 38 | 360 | 37.00 | 19 | 4.10 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 15 | 904 | 92.97 | 8.1 | 0.85 | | |
| 17 | 795 | 81.80 | 9.3 | 1.00 | | |
| 18 | 751 | 77.24 | 10 | 1.05 | | |
| 21 | 639 | 65.77 | 11 | 1.25 | | |
| 24 | 561 | 57.68 | 11 | 1.40 | | |
| 27 | 506 | 52.07 | 11 | 1.55 | **GR77 GRF77** | **4P** |
| 31 | 445 | 45.81 | 12 | 1.75 | | |
| 32 | 421 | 43.26 | 12 | 1.85 | | |
| 38 | 358 | 36.83 | 12 | 2.20 | | |
| 42 | 325 | 33.47 | 12 | 2.40 | | |
| 48 | 282 | 29.00 | 12 | 2.80 | | |
| 55 | 245 | 25.23 | 11 | 3.00 | | |
| 60 | 227 | 23.37 | 11 | 3.50 | **GR77 GRF77** | **4P** |
| 65 | 208 | 21.43 | 11 | 3.80 | | |
| 74 | 183 | 18.80 | 10 | 4.10 | | |
| 23 | 595 | 61.26 | 6.9 | 0.95 | | |
| 25 | 553 | 56.89 | 7.4 | 1.05 | | |
| 27 | 501 | 51.56 | 8.0 | 1.15 | | |
| 30 | 450 | 46.29 | 8.4 | 1.30 | **GR67 GRF67** | **4P** |
| 35 | 388 | 39.88 | 8.8 | 1.45 | | |
| 37 | 365 | 37.50 | 9.0 | 1.50 | | |
| 43 | 314 | 32.27 | 9.3 | 1.65 | | |
| 49 | 280 | 28.83 | 9.4 | 1.80 | | |
| 50 | 273 | 28.13 | 9.5 | 1.90 | | |
| 52 | 260 | 26.72 | 9.4 | 2.00 | **GR67 GRF67** | **4P** |
| 60 | 228 | 23.44 | 9.0 | 2.30 | | |
| 70 | 193 | 19.89 | 8.6 | 3.00 | | |
| 78 | 174 | 17.95 | 8.4 | 3.20 | | |
| 26 | 517 | 53.22 | 4.9 | 0.85 | | |
| 29 | 469 | 48.23 | 5.7 | 0.90 | | |
| 32 | 421 | 43.30 | 5.6 | 1.00 | **GR57 GRF57** | **4P** |
| 38 | 363 | 37.30 | 5.5 | 1.20 | | |
| 40 | 341 | 35.07 | 5.4 | 1.25 | | |
| 46 | 293 | 30.18 | 5.3 | 1.45 | | |
| 52 | 262 | 26.97 | 5.1 | 1.65 | | |
| 53 | 256 | 26.31 | 5.1 | 1.70 | | |
| 56 | 243 | 24.99 | 5.1 | 1.75 | | |
| 64 | 213 | 21.93 | 4.9 | 2.00 | | |
| 75 | 181 | 18.60 | 4.7 | 2.40 | **GR57 GRF57** | **4P** |
| 83 | 163 | 16.79 | 4.6 | 2.60 | | |
| 95 | 144 | 14.77 | 4.5 | 2.90 | | |
| 100 | 136 | 13.95 | 4.4 | 3.00 | | |
| 118 | 115 | 11.88 | 4.2 | 3.40 | | |
| 38 | 359 | 36.93 | 2.3 | 0.80 | | |
| 40 | 338 | 34.73 | 3.6 | 0.85 | **GR47 GRF47** | **4P** |
| 47 | 290 | 29.88 | 4.0 | 1.00 | | |
| 52 | 260 | 26.70 | 3.9 | 1.10 | | |
| 61 | 222 | 22.81 | 3.8 | 1.25 | | |
| 60 | 226 | 23.28 | 3.8 | 1.25 | | |
| 64 | 212 | 21.81 | 3.8 | 1.35 | | |
| 73 | 187 | 19.27 | 3.7 | 1.50 | | |
| 78 | 174 | 17.89 | 3.6 | 1.60 | | |
| 86 | 158 | 16.22 | 3.6 | 1.65 | | |
| 96 | 142 | 14.56 | 3.5 | 1.80 | | |
| 112 | 122 | 12.54 | 3.3 | 1.95 | | |
| 119 | 115 | 11.79 | 3.3 | 2.00 | **GR47 GRF47** | **4P** |
| 138 | 99 | 10.15 | 3.2 | 2.20 | | |
| 154 | 88 | 9.07 | 3.1 | 2.40 | | |
| 181 | 75 | 7.75 | 2.9 | 2.10 | | |
| 201 | 68 | 6.96 | 2.8 | 2.20 | | |
| 233 | 58 | 6.00 | 2.7 | 2.60 | | |
| 248 | 55 | 5.64 | 2.7 | 2.70 | | |
| 289 | 47 | 4.85 | 2.6 | 3.00 | | |
| 323 | 42 | 4.34 | 2.5 | 3.30 | | |
| 378 | 36 | 3.70 | 2.4 | 3.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 73 | 182 | 19.31 | 2.5 | 1.00 | | |
| 78 | 170 | 18.05 | 2.7 | 1.10 | | |
| 90 | 147 | 15.60 | 3.0 | 1.25 | | |
| 106 | 125 | 13.25 | 3.2 | 1.40 | | |
| 118 | 111 | 11.83 | 3.1 | 1.50 | | |
| 138 | 95 | 10.11 | 3.0 | 1.65 | | |
| 148 | 89 | 9.47 | 3.0 | 1.75 | **GR37 GRF37** | **4P** |
| 176 | 75 | 7.97 | 2.8 | 1.95 | | |
| 210 | 63 | 6.67 | 2.7 | 2.10 | | |
| 247 | 53 | 5.67 | 2.6 | 2.50 | | |
| 277 | 48 | 5.06 | 2.5 | 2.60 | | |
| 324 | 41 | 4.32 | 2.4 | 2.90 | | |
| 346 | 38 | 4.05 | 2.3 | 3.00 | | |
| 411 | 32 | 3.41 | 2.2 | 3.20 | | |
| 214 | 61 | 13.25 | 2.7 | 2.70 | | |
| 240 | 55 | 11.83 | 2.7 | 2.90 | **GR37 GRF37** | **2P** |
| 281 | 47 | 10.11 | 2.5 | 3.20 | | |
| 300 | 44 | 9.47 | 2.5 | 3.30 | | |
| 356 | 37 | 7.97 | 2.4 | 3.70 | | |
| 90 | 147 | 15.63 | 1.6 | 0.80 | | |
| 105 | 125 | 13.28 | 1.9 | 0.95 | | |
| 118 | 112 | 11.86 | 2.0 | 1.05 | | |
| 138 | 95 | 10.13 | 1.9 | 1.20 | | |
| 172 | 77 | 8.16 | 1.8 | 1.40 | | |
| 183 | 72 | 7.63 | 1.8 | 1.45 | **GR27 GRF27** | **4P** |
| 212 | 62 | 6.59 | 1.7 | 1.60 | | |
| 250 | 53 | 5.60 | 1.7 | 1.75 | | |
| 280 | 47 | 5.00 | 1.6 | 1.85 | | |
| 328 | 40 | 4.27 | 1.6 | 2.00 | | |
| 350 | 38 | 4.00 | 1.5 | 2.10 | | |
| 415 | 32 | 3.37 | 1.5 | 2.30 | | |
| 239 | 55 | 11.86 | 1.7 | 2.00 | | |
| 280 | 47 | 10.13 | 1.7 | 2.30 | | |
| 348 | 38 | 8.16 | 1.6 | 2.70 | | |
| 372 | 35 | 7.63 | 1.5 | 2.80 | | |
| 431 | 31 | 6.59 | 1.5 | 3.00 | **GR27 GRF27** | **2P** |
| 507 | 26 | 5.60 | 1.4 | 3.30 | | |
| 568 | 23 | 5.00 | 1.4 | 3.60 | | |
| 665 | 20 | 4.27 | 1.3 | 3.80 | | |
| 710 | 19 | 4.00 | 1.3 | 4.00 | | |
| 843 | 16 | 3.37 | 1.2 | 4.40 | | |
| 249 | 56 | 5.63 | 5.3 | 1.90 | | |
| 262 | 53 | 5.35 | 5.2 | 1.90 | | |
| 296 | 47 | 4.73 | 5.0 | 2.60 | | |
| 347 | 40 | 4.04 | 4.8 | 3.50 | **GRX77 GRXF77** | **4P** |
| 378 | 37 | 3.70 | 4.7 | 4.10 | | |
| 431 | 32 | 3.25 | 4.5 | 5.50 | | |
| 455 | 31 | 3.08 | 4.4 | 6.20 | | |
| 519 | 27 | 2.70 | 4.2 | 7.80 | | |
| 576 | 24 | 2.43 | 4.1 | 8.70 | | |
| 309 | 45 | 4.53 | 3.4 | 1.80 | | |
| 326 | 43 | 4.30 | 3.3 | 1.85 | | |
| 371 | 38 | 3.77 | 3.2 | 2.30 | | |
| 438 | 32 | 3.20 | 3.1 | 3.10 | | |
| 484 | 29 | 2.89 | 3.0 | 3.60 | **GRX67 GRXF67** | **4P** |
| 551 | 25 | 2.54 | 2.9 | 4.60 | | |
| 583 | 24 | 2.40 | 2.8 | 5.00 | | |
| 686 | 20 | 2.04 | 2.7 | 6.40 | | |
| 753 | 19 | 1.86 | 2.6 | 6.70 | | |
| 870 | 16 | 1.61 | 2.5 | 7.00 | | |
| 1000 | 14 | 1.40 | 2.4 | 7.30 | | |
| 369 | 38 | 3.79 | 2.6 | 1.80 | | |
| 394 | 35 | 3.55 | 2.5 | 1.90 | **GRX57 GRXF57** | **4P** |
| 446 | 31 | 3.14 | 2.4 | 2.00 | | |
| 481 | 29 | 2.91 | 2.4 | 2.30 | | |
| 530 | 26 | 2.64 | 2.3 | 2.60 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 591 | 24 | 2.37 | 2.2 | 2.90 | **GRX57 GRXF57** | **4P** |
| 686 | 20 | 2.04 | 2.1 | 3.30 | | |
| 729 | 19 | 1.92 | 2.1 | 3.50 | | |
| 848 | 16 | 1.65 | 2.0 | 4.10 | | |
| 946 | 15 | 1.48 | 1.9 | 4.50 | | |
| 1111 | 13 | 1.26 | 1.9 | 4.70 | | |
| **2.2kW** | | | | | | |
| 0.43 | 44579 | 3362 | 128 | 0.8 | **GR177R107 GRF177R107** | **4P** |
| 0.51 | 37141 | 2801 | 128 | 1.0 | | |
| 0.58 | 32805 | 2474 | 128 | 1.1 | | |
| 0.62 | 30763 | 2320 | 128 | 1.2 | | |
| 0.69 | 27501 | 2074 | 128 | 1.3 | | |
| 0.77 | 24756 | 1867 | 128 | 1.5 | | |
| 0.85 | 22422 | 1691 | 128 | 1.6 | | |
| 0.95 | 19876 | 1499 | 128 | 1.8 | | |
| 1.1 | 17967 | 1355 | 128 | 2.0 | | |
| 1.3 | 14970 | 1129 | 128 | 2.4 | | |
| 1.3 | 14135 | 1066 | 128 | 2.6 | | |
| 1.5 | 12716 | 959 | 128 | 2.9 | | |
| 0.46 | 41079 | 3098 | 128 | 0.9 | **GR177R97 GRF177R97** | **4P** |
| 0.49 | 38639 | 2914 | 128 | 0.9 | | |
| 0.53 | 35563 | 2682 | 128 | 1.0 | | |
| 0.62 | 30418 | 2294 | 128 | 1.2 | | |
| 0.66 | 28615 | 2158 | 128 | 1.3 | | |
| 0.77 | 24478 | 1846 | 128 | 1.5 | | |
| 1.0 | 19028 | 1435 | 128 | 1.9 | | |
| 1.2 | 15766 | 1189 | 128 | 2.3 | | |
| 1.2 | 15302 | 1154 | 128 | 2.4 | | |
| 1.5 | 12690 | 957 | 128 | 2.9 | | |
| 0.86 | 22144 | 1670 | 114 | 0.80 | **GR167R97 GRF167R97** | **4P** |
| 0.99 | 19068 | 1438 | 114 | 0.95 | | |
| 1.1 | 16959 | 1279 | 114 | 1.05 | | |
| 1.3 | 14891 | 1123 | 114 | 1.20 | | |
| 1.4 | 13247 | 999 | 114 | 1.35 | | |
| 1.7 | 11417 | 861 | 114 | 1.55 | | |
| 1.9 | 10077 | 760 | 114 | 1.75 | | |
| 2.2 | 8698 | 656 | 114 | 2.05 | | |
| 2.7 | 7067 | 533 | 68 | 1.85 | **GR147R87 GRF147R87** | **4P** |
| 3.1 | 6126 | 462 | 68 | 2.10 | | |
| 3.4 | 5649 | 426 | 69 | 2.30 | | |
| 3.9 | 4880 | 368 | 69 | 2.70 | | |
| 4.4 | 4323 | 326 | 70 | 3.05 | | |
| 1.2 | 15461 | 1166 | 37 | 0.85 | **GR147R77 GRF147R77** | **4P** |
| 1.4 | 13644 | 1029 | 58 | 0.95 | | |
| 1.6 | 11788 | 889 | 65 | 1.10 | | |
| 1.8 | 10396 | 784 | 64 | 1.25 | | |
| 2.1 | 9216 | 695 | 65 | 1.45 | | |
| 2.3 | 8208 | 619 | 66 | 1.60 | | |
| 2.6 | 7399 | 558 | 67 | 1.75 | | |
| 2.9 | 6484 | 489 | 68 | 2.00 | | |
| 2.0 | 9269 | 699 | 42 | 0.85 | **GR137R77 GRF137R77** | **4P** |
| 2.3 | 8075 | 609 | 50 | 0.95 | | |
| 2.0 | 9680 | 730 | 34 | 0.80 | **GR137R77 GRF137R77** | **4P** |
| 2.3 | 8340 | 629 | 49 | 0.95 | | |
| 2.6 | 7425 | 560 | 55 | 1.05 | | |
| 2.9 | 6497 | 490 | 53 | 1.20 | | |
| 3.3 | 5675 | 428 | 55 | 1.40 | | |
| 3.8 | 5052 | 381 | 55 | 1.55 | | |
| 4.4 | 4283 | 323 | 56 | 1.85 | | |
| 4.9 | 3859 | 291 | 57 | 2.05 | | |
| 5.6 | 3381 | 255 | 57 | 2.35 | | |
| 6.4 | 2957 | 223 | 57 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 3.9 | 4893 | 369 | 11 | 0.85 | **GR107R77 GRF107R77** | **4P** |
| 4.4 | 4283 | 323 | 28 | 1.00 | | |
| 5.0 | 3779 | 285 | 34 | 1.15 | | |
| 5.7 | 3355 | 253 | 32 | 1.25 | | |
| 6.7 | 2838 | 214 | 34 | 1.50 | | |
| 4.4 | 4309 | 325 | 27 | 1.00 | **GR107R77 GRF107R77** | **4P** |
| 6.1 | 3103 | 234 | 11 | 0.95 | **GR97R57 GRF97R57** | **4P** |
| 6.8 | 2771 | 209 | 21 | 1.05 | | |
| 3.2 | 6258 | 222.60 | 53 | 1.20 | **GR137 GRF137** | **8P** |
| 3.8 | 5298 | 188.45 | 55 | 1.40 | | |
| 4.1 | 4903 | 174.40 | 55 | 1.55 | | |
| 4.5 | 4394 | 156.31 | 56 | 1.70 | | |
| 5.0 | 3967 | 141.12 | 57 | 1.90 | | |
| 5.5 | 3603 | 128.18 | 57 | 2.10 | | |
| 6.2 | 3197 | 113.72 | 57 | 2.30 | | |
| 6.9 | 2901 | 103.20 | 57 | 2.60 | | |
| 4.6 | 4314 | 203.16 | 27 | 0.95 | **GR107 GRF107** | **6P** |
| 5.5 | 3659 | 172.34 | 30 | 1.10 | | |
| 5.9 | 3369 | 158.68 | 31 | 1.20 | | |
| 6.6 | 3012 | 141.83 | 33 | 1.35 | | |
| 5.7 | 3505 | 251.15 | 31 | 1.15 | **GR107 GRF107** | **4P** |
| 6.2 | 3210 | 229.95 | 32 | 1.25 | | |
| 7.0 | 2836 | 203.16 | 33 | 1.40 | | |
| 8.3 | 2405 | 172.34 | 34 | 1.65 | | |
| 9.0 | 2230 | 158.68 | 34 | 1.80 | | |
| 10 | 1980 | 141.83 | 35 | 2.00 | | |
| 11 | 1782 | 127.68 | 35 | 2.30 | | |
| 12 | 1614 | 115.63 | 35 | 2.50 | | |
| 14 | 1431 | 102.53 | 35 | 2.80 | | |
| 15 | 1294 | 92.70 | 35 | 3.10 | | |
| 6.6 | 3019 | 216.28 | 6.7 | 0.95 | **GR97 GRF97** | **4P** |
| 7.7 | 2600 | 186.30 | 21 | 1.10 | | |
| 8.4 | 2373 | 170.02 | 23 | 1.20 | | |
| 9.5 | 2105 | 150.78 | 24 | 1.35 | | |
| 11 | 1769 | 126.75 | 25 | 1.60 | | |
| 12 | 1626 | 116.48 | 26 | 1.75 | | |
| 14 | 1444 | 103.44 | 26 | 1.95 | | |
| 15 | 1291 | 92.48 | 26 | 2.20 | | |
| 17 | 1161 | 83.15 | 27 | 2.40 | | |
| 20 | 1007 | 72.17 | 27 | 2.80 | | |
| 22 | 910 | 65.21 | 26 | 3.10 | | |
| 24 | 836 | 59.92 | 26 | 3.40 | | |
| 27 | 743 | 53.21 | 25 | 3.80 | | |
| 30 | 664 | 47.58 | 24 | 4.20 | | |
| 11 | 1752 | 125.51 | 10 | 0.85 | **GR87 GRF87** | **4P** |
| 12 | 1660 | 118.94 | 14 | 0.90 | | |
| 14 | 1453 | 104.10 | 16 | 1.00 | | |
| 15 | 1309 | 93.78 | 17 | 1.10 | | |
| 17 | 1148 | 82.27 | 18 | 1.25 | | |
| 20 | 1017 | 72.88 | 19 | 1.45 | | |
| 22 | 893 | 63.96 | 19 | 1.65 | | |
| 24 | 846 | 60.61 | 19 | 1.70 | | |
| 27 | 740 | 53.05 | 19 | 1.95 | | |
| 30 | 667 | 47.79 | 19 | 2.20 | | |
| 34 | 585 | 41.92 | 19 | 2.50 | | |
| 39 | 516 | 37.00 | 18 | 2.80 | | |
| 44 | 458 | 32.80 | 18 | 3.20 | | |
| 41 | 482 | 34.55 | 18 | 2.90 | **GR87 GRF87** | **4P** |
| 45 | 440 | 31.53 | 17 | 3.30 | | |
| 51 | 390 | 27.96 | 17 | 3.70 | | |
| 61 | 328 | 23.51 | 16 | 4.40 | | |
| 66 | 301 | 21.60 | 16 | 4.70 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 22 | 918 | 65.77 | 5.2 | 0.85 | **GR77 GRF77** | **4P** |
| 25 | 805 | 57.68 | 9.1 | 0.95 | | |
| 27 | 727 | 52.07 | 10 | 1.05 | | |
| 31 | 639 | 45.81 | 10 | 1.20 | | |
| 33 | 604 | 43.26 | 11 | 1.25 | | |
| 39 | 514 | 36.83 | 11 | 1.50 | | |
| 43 | 467 | 33.47 | 11 | 1.65 | | |
| 49 | 405 | 29.00 | 11 | 1.90 | | |
| 57 | 352 | 25.23 | 11 | 2.10 | | |
| 61 | 326 | 23.37 | 11 | 2.30 | **GR77 GRF77** | **4P** |
| 67 | 299 | 21.43 | 11 | 2.60 | | |
| 76 | 262 | 18.80 | 10 | 2.80 | | |
| 80 | 249 | 17.82 | 10 | 2.90 | | |
| 92 | 218 | 15.60 | 10 | 3.20 | | |
| 102 | 196 | 14.05 | 9.4 | 3.40 | | |
| 36 | 557 | 39.88 | 7.2 | 1.00 | **GR67 GRF67** | **4P** |
| 38 | 523 | 37.50 | 7.6 | 1.00 | | |
| 44 | 450 | 32.27 | 8.3 | 1.10 | | |
| 50 | 402 | 28.83 | 8.7 | 1.20 | | |
| 61 | 327 | 23.44 | 8.7 | 1.60 | **GR67 GRF67** | **4P** |
| 72 | 278 | 19.89 | 8.3 | 2.00 | | |
| 80 | 251 | 17.95 | 8.1 | 2.20 | | |
| 91 | 220 | 15.79 | 7.8 | 2.40 | | |
| 96 | 208 | 14.91 | 7.7 | 2.50 | | |
| 113 | 177 | 12.70 | 7.4 | 2.80 | | |
| 124 | 161 | 11.54 | 7.2 | 2.90 | | |
| 143 | 140 | 10.00 | 6.9 | 3.20 | | |
| 164 | 121 | 8.70 | 6.6 | 3.40 | | |
| 184 | 109 | 7.79 | 6.4 | 3.30 | | |
| 38 | 521 | 37.30 | 4.3 | 0.80 | **GR57 GRF57** | **4P** |
| 41 | 489 | 35.07 | 4.9 | 0.85 | | |
| 47 | 421 | 30.18 | 4.8 | 1.00 | | |
| 53 | 376 | 26.97 | 4.7 | 1.10 | | |
| 65 | 306 | 21.93 | 4.6 | 1.40 | **GR57 GRF57** | **4P** |
| 77 | 260 | 18.60 | 4.4 | 1.60 | | |
| 85 | 234 | 16.79 | 4.3 | 1.80 | | |
| 97 | 206 | 14.77 | 4.2 | 2.00 | | |
| 103 | 195 | 13.95 | 4.2 | 2.10 | | |
| 120 | 166 | 11.88 | 4.0 | 2.30 | | |
| 133 | 151 | 10.79 | 3.9 | 2.40 | | |
| 153 | 131 | 9.35 | 3.8 | 2.70 | | |
| 158 | 126 | 9.06 | 3.8 | 2.80 | | |
| 179 | 111 | 7.97 | 3.7 | 3.00 | | |
| 108 | 185 | 26.31 | 4.2 | 2.20 | **GR57 GRF57** | **2P** |
| 114 | 176 | 24.99 | 4.1 | 2.30 | | |
| 130 | 154 | 21.93 | 4.0 | 2.70 | | |
| 153 | 131 | 18.60 | 3.8 | 3.10 | | |
| 169 | 118 | 16.79 | 3.7 | 3.50 | | |
| 192 | 104 | 14.77 | 3.6 | 3.80 | | |
| 204 | 98 | 13.95 | 3.6 | 4.00 | | |
| 74 | 269 | 19.27 | 3.4 | 1.05 | **GR47 GRF47** | **4P** |
| 88 | 226 | 16.22 | 3.3 | 1.15 | | |
| 98 | 203 | 14.56 | 3.2 | 1.20 | | |
| 114 | 175 | 12.54 | 3.1 | 1.35 | | |
| 121 | 165 | 11.79 | 3.1 | 1.40 | | |
| 141 | 142 | 10.15 | 3.0 | 1.50 | | |
| 158 | 127 | 9.07 | 2.9 | 1.65 | | |
| 185 | 108 | 7.75 | 2.8 | 1.40 | | |
| 205 | 97 | 6.96 | 2.7 | 1.55 | | |
| 238 | 84 | 6.00 | 2.6 | 1.75 | | |
| 254 | 79 | 5.64 | 2.6 | 1.85 | | |
| 295 | 68 | 4.85 | 2.5 | 2.10 | | |
| 329 | 61 | 4.34 | 2.4 | 2.30 | | |
| 386 | 52 | 3.70 | 2.3 | 2.50 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 122 | 164 | 23.28 | 3.1 | 1.70 | **GR47 GRF47** | **2P** |
| 130 | 153 | 21.81 | 3.1 | 1.80 | | |
| 147 | 135 | 19.27 | 3.0 | 2.00 | | |
| 159 | 126 | 17.89 | 2.9 | 2.10 | | |
| 175 | 114 | 16.22 | 2.9 | 2.20 | | |
| 195 | 102 | 14.56 | 2.8 | 2.40 | | |
| 226 | 88 | 12.54 | 2.7 | 2.60 | | |
| 241 | 83 | 11.79 | 2.7 | 2.70 | | |
| 280 | 71 | 10.15 | 2.6 | 2.90 | | |
| 313 | 64 | 9.07 | 2.5 | 3.20 | | |
| 366 | 54 | 7.75 | 2.4 | 3.30 | | |
| 92 | 211 | 15.60 | 1.0 | 0.85 | **GR37 GRF37** | **4P** |
| 108 | 179 | 13.25 | 1.6 | 0.95 | | |
| 121 | 160 | 11.83 | 1.9 | 1.05 | | |
| 141 | 137 | 10.11 | 2.2 | 1.15 | | |
| 151 | 128 | 9.47 | 2.4 | 1.20 | | |
| 179 | 108 | 7.97 | 2.6 | 1.30 | | |
| 214 | 90 | 6.67 | 2.3 | 1.45 | | |
| 252 | 77 | 5.67 | 2.4 | 1.70 | | |
| 283 | 68 | 5.06 | 2.4 | 1.80 | | |
| 331 | 58 | 4.32 | 2.3 | 1.95 | | |
| 353 | 55 | 4.05 | 2.3 | 2.00 | | |
| 419 | 46 | 3.41 | 2.2 | 2.20 | | |
| 147 | 131 | 19.31 | 2.3 | 1.35 | **GR37 GRF37** | **2P** |
| 157 | 123 | 18.05 | 2.4 | 1.45 | | |
| 182 | 106 | 15.60 | 2.6 | 1.65 | | |
| 214 | 90 | 13.25 | 2.6 | 1.85 | | |
| 240 | 81 | 11.83 | 2.5 | 2.00 | | |
| 281 | 69 | 10.11 | 2.4 | 2.20 | | |
| 300 | 64 | 9.47 | 2.4 | 2.30 | | |
| 356 | 54 | 7.97 | 2.3 | 2.50 | | |
| 426 | 45 | 6.67 | 2.2 | 2.80 | | |
| 501 | 39 | 5.67 | 2.1 | 3.30 | | |
| 561 | 34 | 5.06 | 2.0 | 3.50 | | |
| 657 | 29 | 4.32 | 1.9 | 3.80 | | |
| 701 | 28 | 4.05 | 1.9 | 3.90 | | |
| 833 | 23 | 3.41 | 1.8 | 4.30 | | |
| 141 | 137 | 10.13 | 1.1 | 0.80 | **GR27 GRF27** | **4P** |
| 217 | 89 | 6.59 | 1.1 | 1.10 | | |
| 255 | 76 | 5.60 | 1.3 | 1.20 | | |
| 286 | 68 | 5.00 | 1.5 | 1.30 | | |
| 335 | 58 | 4.27 | 1.5 | 1.35 | | |
| 358 | 54 | 4.00 | 1.4 | 1.45 | | |
| 424 | 46 | 3.37 | 1.4 | 1.55 | | |
| 214 | 90 | 13.28 | 1.6 | 1.25 | **GR27 GRF27** | **2P** |
| 239 | 81 | 11.86 | 1.6 | 1.40 | | |
| 280 | 69 | 10.13 | 1.6 | 1.55 | | |
| 348 | 56 | 8.16 | 1.5 | 1.85 | | |
| 372 | 52 | 7.63 | 1.4 | 1.90 | | |
| 431 | 45 | 6.59 | 1.4 | 2.10 | | |
| 507 | 38 | 5.60 | 1.3 | 2.30 | | |
| 568 | 34 | 5.00 | 1.3 | 2.50 | | |
| 665 | 29 | 4.27 | 1.3 | 2.60 | | |
| 710 | 27 | 4.00 | 1.2 | 2.80 | | |
| 843 | 23 | 3.37 | 1.2 | 3.00 | | |
| 302 | 68 | 4.73 | 4.9 | 1.75 | **GRX77 GRXF77** | **4P** |
| 354 | 58 | 4.04 | 4.7 | 2.40 | | |
| 386 | 53 | 3.70 | 4.6 | 2.80 | | |
| 440 | 47 | 3.25 | 4.4 | 3.80 | | |
| 464 | 44 | 3.08 | 4.3 | 4.20 | | |
| 530 | 39 | 2.70 | 4.2 | 5.30 | | |
| 588 | 35 | 2.43 | 4.0 | 5.90 | | |
| 671 | 31 | 2.13 | 3.9 | 6.30 | | |
| 761 | 27 | 1.88 | 3.7 | 6.70 | | |
| 856 | 24 | 1.67 | 3.6 | 7.00 | | |
| 1007 | 20 | 1.42 | 3.4 | 7.30 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 379 | 54 | 3.77 | 3.1 | 1.55 | **GRX67 GRXF67** | **4P** |
| 447 | 46 | 3.20 | 3.0 | 2.10 | | |
| 495 | 41 | 2.89 | 2.9 | 2.50 | | |
| 563 | 36 | 2.54 | 2.8 | 3.10 | | |
| 596 | 34 | 2.40 | 2.7 | 3.40 | | |
| 701 | 29 | 2.04 | 2.6 | 4.40 | | |
| 769 | 27 | 1.86 | 2.5 | 4.60 | | |
| 888 | 23 | 1.61 | 2.4 | 4.80 | | |
| 1021 | 20 | 1.40 | 2.3 | 5.00 | | |
| 455 | 45 | 3.14 | 2.3 | 1.40 | **GRX57 GRXF57** | **4P** |
| 542 | 38 | 2.64 | 2.2 | 1.75 | | |
| 603 | 34 | 2.37 | 2.2 | 1.95 | | |
| 701 | 29 | 2.04 | 2.1 | 2.30 | | |
| 745 | 28 | 1.92 | 2.0 | 2.40 | | |
| 867 | 24 | 1.65 | 2.0 | 2.80 | | |
| 966 | 21 | 1.48 | 1.9 | 3.10 | | |
| 1135 | 18 | 1.26 | 1.8 | 3.20 | | |
| **3kW** | | | | | | |
| 0.62 | 41949 | 2320 | 128 | 0.85 | **GR177R107 GRF177R107** | **4P** |
| 0.69 | 37501 | 2074 | 128 | 0.95 | | |
| 0.77 | 33758 | 1867 | 128 | 1.05 | | |
| 0.85 | 30576 | 1691 | 128 | 1.15 | | |
| 0.95 | 27104 | 1499 | 128 | 1.30 | | |
| 1.1 | 24501 | 1355 | 128 | 1.40 | | |
| 1.3 | 20414 | 1129 | 128 | 1.60 | | |
| 1.3 | 19275 | 1066 | 128 | 1.80 | | |
| 1.5 | 17340 | 959 | 128 | 2.00 | | |
| 1.8 | 14447 | 799 | 128 | 2.25 | | |
| 1.9 | 13923 | 770 | 128 | 2.50 | | |
| 2.1 | 12585 | 696 | 128 | 2.75 | | |
| 0.62 | 41479 | 2294 | 128 | 0.80 | **GR177R97 GRF177R97** | **4P** |
| 0.66 | 39020 | 2158 | 128 | 0.90 | | |
| 0.77 | 33379 | 1846 | 128 | 1.00 | | |
| 1.0 | 25947 | 1435 | 128 | 1.30 | | |
| 1.2 | 21499 | 1189 | 128 | 1.50 | | |
| 1.2 | 20866 | 1154 | 128 | 1.60 | | |
| 1.5 | 17304 | 957 | 128 | 1.85 | | |
| 1.9 | 13887 | 768 | 128 | 2.30 | | |
| 2.0 | 12838 | 710 | 128 | 2.60 | | |
| 1.3 | 20306 | 1123 | 114 | 0.90 | **GR167R97 GRF167R97** | **4P** |
| 1.4 | 18063 | 999 | 114 | 1.00 | | |
| 1.7 | 15568 | 861 | 114 | 1.15 | | |
| 1.9 | 13742 | 760 | 114 | 1.30 | | |
| 2.2 | 11862 | 656 | 114 | 1.50 | | |
| 2.8 | 9095 | 503 | 114 | 1.95 | | |
| 2.7 | 9637 | 533 | 65 | 1.35 | **GR147R87 GRF147R87** | **4P** |
| 3.1 | 8354 | 462 | 66 | 1.55 | | |
| 3.4 | 7703 | 426 | 67 | 1.65 | | |
| 3.9 | 6654 | 368 | 68 | 1.95 | | |
| 4.4 | 5895 | 326 | 69 | 2.25 | | |
| 5.1 | 5063 | 280 | 69 | 2.55 | | |
| 1.6 | 16075 | 889 | 25 | 0.80 | **GR147R77 GRF147R77** | **4P** |
| 1.8 | 14176 | 784 | 52 | 0.95 | | |
| 2.1 | 12567 | 695 | 60 | 1.05 | | |
| 2.3 | 11192 | 619 | 62 | 1.15 | | |
| 2.6 | 10090 | 558 | 64 | 1.30 | | |
| 2.9 | 8860 | 490 | 46 | 0.90 | **GR137R77 GRF137R77** | **4P** |
| 3.3 | 7739 | 428 | 51 | 1.00 | | |
| 3.8 | 6889 | 381 | 52 | 1.15 | | |
| 4.4 | 5840 | 323 | 54 | 1.35 | | |
| 4.9 | 5262 | 291 | 55 | 1.50 | | |
| 5.6 | 4611 | 255 | 56 | 1.70 | | |
| 6.4 | 4032 | 223 | 56 | 2.00 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 2.8 | 9348 | 517 | 35 | 0.85 | **GR137R77 GRF137R77** | **4P** |
| 3.2 | 8191 | 453 | 49 | 0.95 | | |
| 5.7 | 4575 | 253 | 25 | 0.95 | **GR107R77 GRF107R77** | **4P** |
| 6.7 | 3869 | 214 | 29 | 1.10 | | |
| 7.6 | 3381 | 187 | 32 | 1.25 | | |
| 5.6 | 4629 | 256 | 19 | 0.90 | **GR107R77 GRF107R77** | **4P** |
| 3.2 | 8533 | 222.60 | 48 | 0.90 | **GR137 GRF137** | **8P** |
| 3.8 | 7224 | 188.45 | 52 | 1.05 | | |
| 4.1 | 6686 | 174.40 | 53 | 1.15 | | |
| 4.5 | 5992 | 156.31 | 54 | 1.30 | | |
| 5.0 | 5410 | 141.12 | 55 | 1.40 | | |
| 5.5 | 4914 | 128.18 | 55 | 1.55 | | |
| 6.2 | 4359 | 113.72 | 56 | 1.75 | | |
| 6.9 | 3956 | 103.20 | 56 | 1.95 | | |
| 8.0 | 3400 | 88.70 | 57 | 2.30 | | |
| 4.3 | 6311 | 222.60 | 53 | 1.20 | **GR137 GRF137** | **6P** |
| 5.1 | 5343 | 188.45 | 55 | 1.40 | | |
| 5.5 | 4945 | 174.40 | 55 | 1.50 | | |
| 6.1 | 4432 | 156.31 | 56 | 1.70 | | |
| 6.8 | 4001 | 141.12 | 56 | 1.85 | | |
| 7.5 | 3634 | 128.18 | 57 | 2.00 | | |
| 8.4 | 3224 | 113.72 | 57 | 2.30 | | |
| 9.3 | 2926 | 103.20 | 57 | 2.50 | | |
| 6.0 | 4499 | 158.68 | 21 | 0.90 | **GR107 GRF107** | **6P** |
| 6.8 | 4021 | 141.83 | 28 | 1.00 | | |
| 7.5 | 3620 | 127.68 | 30 | 1.10 | | |
| 6.2 | 4377 | 229.95 | 25 | 0.90 | **GR107 GRF107** | **4P** |
| 7.0 | 3867 | 203.16 | 29 | 1.05 | | |
| 8.3 | 3280 | 172.34 | 31 | 1.20 | | |
| 9.0 | 3020 | 158.68 | 32 | 1.30 | | |
| 10 | 2699 | 141.83 | 34 | 1.50 | | |
| 11 | 2430 | 127.68 | 34 | 1.65 | | |
| 12 | 2201 | 115.63 | 34 | 1.80 | | |
| 14 | 1951 | 102.53 | 35 | 2.00 | | |
| 15 | 1764 | 92.70 | 35 | 2.30 | | |
| 18 | 1495 | 78.57 | 34 | 2.70 | | |
| 20 | 1387 | 72.88 | 33 | 2.90 | | |
| 9.5 | 2870 | 150.78 | 15 | 0.95 | **GR97 GRF97** | **4P** |
| 11 | 2412 | 126.75 | 22 | 1.15 | | |
| 12 | 2217 | 116.48 | 23 | 1.25 | | |
| 14 | 1969 | 103.44 | 25 | 1.40 | | |
| 15 | 1760 | 92.48 | 25 | 1.60 | | |
| 17 | 1583 | 83.15 | 26 | 1.75 | | |
| 20 | 1374 | 72.17 | 26 | 2.00 | | |
| 22 | 1241 | 65.21 | 26 | 2.20 | | |
| 24 | 1140 | 59.92 | 25 | 2.50 | | |
| 27 | 1013 | 53.21 | 24 | 2.80 | | |
| 30 | 906 | 47.58 | 24 | 3.10 | | |
| 33 | 814 | 42.78 | 23 | 3.40 | | |
| 39 | 707 | 37.13 | 22 | 4.00 | | |
| 43 | 633 | 33.25 | 21 | 4.20 | | |
| 15 | 1785 | 93.78 | 3.4 | 0.80 | **GR87 GRF87** | **4P** |
| 17 | 1566 | 82.27 | 15 | 0.90 | | |
| 20 | 1387 | 72.88 | 17 | 1.05 | | |
| 22 | 1217 | 63.96 | 17 | 1.20 | | |
| 24 | 1154 | 60.61 | 18 | 1.25 | | |
| 27 | 1010 | 53.05 | 19 | 1.45 | | |
| 30 | 910 | 47.79 | 19 | 1.60 | | |
| 34 | 798 | 41.92 | 18 | 1.80 | | |
| 39 | 704 | 37.00 | 18 | 2.10 | | |
| 44 | 624 | 32.80 | 17 | 2.30 | | |
| 51 | 533 | 28.00 | 17 | 2.60 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 41 | 658 | 34.55 | 17 | 2.10 | **GR87 GRF87** | **4P** |
| 45 | 600 | 31.53 | 17 | 2.40 | | |
| 51 | 532 | 27.96 | 17 | 2.70 | | |
| 61 | 447 | 23.51 | 16 | 3.20 | | |
| 66 | 411 | 21.60 | 15 | 3.40 | | |
| 75 | 365 | 19.18 | 15 | 3.70 | | |
| 83 | 326 | 17.15 | 14 | 4.00 | | |
| 93 | 293 | 15.42 | 14 | 4.30 | | |
| 31 | 872 | 45.81 | 8.2 | 0.85 | **GR77 GRF77** | **4P** |
| 33 | 823 | 43.26 | 8.8 | 0.95 | | |
| 39 | 701 | 36.83 | 10 | 1.10 | | |
| 43 | 637 | 33.47 | 10 | 1.20 | | |
| 49 | 552 | 29.00 | 11 | 1.40 | | |
| 57 | 480 | 25.23 | 11 | 1.50 | | |
| 61 | 445 | 23.37 | 11 | 1.70 | **GR77 GRF77** | **4P** |
| 67 | 408 | 21.43 | 10 | 1.85 | | |
| 76 | 358 | 18.80 | 10 | 2.00 | | |
| 80 | 339 | 17.82 | 10 | 2.10 | | |
| 92 | 297 | 15.60 | 9.5 | 2.30 | | |
| 102 | 267 | 14.05 | 9.2 | 2.50 | | |
| 116 | 235 | 12.33 | 8.9 | 2.70 | | |
| 131 | 207 | 10.88 | 8.6 | 3.00 | | |
| 148 | 183 | 9.64 | 8.3 | 3.20 | | |
| 166 | 163 | 8.59 | 8.1 | 3.60 | | |
| 185 | 147 | 7.74 | 7.8 | 3.80 | | |
| 211 | 129 | 6.79 | 7.5 | 4.20 | | |
| 61 | 446 | 23.44 | 8.3 | 1.15 | **GR67 GRF67** | **4P** |
| 72 | 379 | 19.89 | 8.0 | 1.45 | | |
| 80 | 342 | 17.95 | 7.8 | 1.60 | | |
| 91 | 301 | 15.79 | 7.6 | 1.75 | | |
| 96 | 284 | 14.91 | 7.5 | 1.80 | | |
| 113 | 242 | 12.70 | 7.2 | 2.00 | | |
| 124 | 220 | 11.54 | 7.0 | 2.10 | | |
| 143 | 190 | 10.00 | 6.7 | 2.30 | | |
| 53 | 513 | 26.97 | 4.1 | 0.80 | **GR57 GRF57** | **4P** |
| 65 | 417 | 21.93 | 4.2 | 1.00 | **GR57 GRF57** | **4P** |
| 77 | 354 | 18.60 | 4.1 | 1.20 | | |
| 85 | 320 | 16.79 | 4.0 | 1.30 | | |
| 97 | 281 | 14.77 | 4.0 | 1.45 | | |
| 103 | 266 | 13.95 | 3.9 | 1.50 | | |
| 120 | 226 | 11.88 | 3.8 | 1.65 | | |
| 133 | 205 | 10.79 | 3.7 | 1.75 | | |
| 153 | 178 | 9.35 | 3.6 | 1.95 | | |
| 158 | 172 | 9.06 | 3.6 | 2.00 | | |
| 179 | 152 | 7.97 | 3.5 | 2.20 | | |
| 190 | 143 | 7.53 | 3.5 | 2.30 | | |
| 223 | 122 | 6.41 | 3.3 | 2.60 | | |
| 246 | 111 | 5.82 | 3.3 | 2.70 | | |
| 283 | 96 | 5.05 | 3.1 | 3.00 | | |
| 326 | 84 | 4.39 | 3.0 | 3.10 | | |
| 131 | 208 | 21.93 | 3.8 | 2.00 | **GR57 GRF57** | **2P** |
| 154 | 176 | 18.60 | 3.6 | 2.40 | | |
| 171 | 159 | 16.79 | 3.5 | 2.60 | | |
| 194 | 140 | 14.77 | 3.4 | 2.90 | | |
| 206 | 132 | 13.95 | 3.4 | 3.00 | | |
| 242 | 113 | 11.88 | 3.3 | 3.30 | | |
| 266 | 102 | 10.79 | 3.2 | 3.50 | | |
| 88 | 309 | 16.22 | 1.9 | 0.85 | **GR47 GRF47** | **4P** |
| 98 | 277 | 14.56 | 2.4 | 0.90 | | |
| 114 | 239 | 12.54 | 2.9 | 0.95 | | |
| 121 | 224 | 11.79 | 2.9 | 1.00 | | |
| 141 | 193 | 10.15 | 2.8 | 1.10 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 158 | 173 | 9.07 | 2.8 | 1.20 | **GR47 GRF47** | **4P** |
| 185 | 148 | 7.75 | 2.6 | 1.05 | | |
| 205 | 132 | 6.96 | 2.5 | 1.10 | | |
| 238 | 114 | 6.00 | 2.5 | 1.25 | | |
| 254 | 107 | 5.64 | 2.5 | 1.34 | | |
| 295 | 92 | 4.85 | 2.4 | 1.50 | | |
| 329 | 83 | 4.34 | 2.3 | 1.65 | | |
| 386 | 70 | 3.70 | 2.2 | 1.85 | | |
| 243 | 112 | 11.79 | 2.5 | 2.00 | **GR47 GRF47** | **2P** |
| 283 | 96 | 10.15 | 2.5 | 2.20 | | |
| 316 | 86 | 9.07 | 2.4 | 2.40 | | |
| 370 | 73 | 7.75 | 2.3 | 2.10 | | |
| 412 | 66 | 6.96 | 2.2 | 2.20 | | |
| 478 | 57 | 6.00 | 2.1 | 2.50 | | |
| 509 | 53 | 5.64 | 2.1 | 2.70 | | |
| 592 | 46 | 4.85 | 2.0 | 3.00 | | |
| 661 | 41 | 4.34 | 1.9 | 3.30 | | |
| 776 | 35 | 3.70 | 1.9 | 3.70 | | |
| 141 | 186 | 10.11 | 0.7 | 0.80 | **GR37 GRF37** | **4P** |
| 151 | 175 | 9.47 | 1.0 | 0.85 | | |
| 179 | 147 | 7.97 | 1.4 | 0.95 | | |
| 214 | 123 | 6.67 | 1.2 | 1.05 | | |
| 252 | 105 | 5.67 | 1.5 | 1.25 | | |
| 283 | 93 | 5.06 | 1.7 | 1.30 | | |
| 331 | 80 | 4.32 | 2.0 | 1.45 | | |
| 353 | 75 | 4.05 | 2.0 | 1.45 | | |
| 419 | 63 | 3.41 | 2.1 | 1.60 | | |
| 284 | 93 | 10.11 | 2.2 | 1.65 | **GR37 GRF37** | **2P** |
| 303 | 87 | 9.47 | 2.3 | 1.70 | | |
| 360 | 73 | 7.97 | 2.2 | 1.90 | | |
| 430 | 61 | 6.67 | 2.1 | 2.10 | | |
| 506 | 52 | 5.67 | 2.0 | 2.50 | | |
| 567 | 46 | 5.06 | 1.9 | 2.60 | | |
| 664 | 40 | 4.32 | 1.9 | 2.80 | | |
| 709 | 37 | 4.05 | 1.8 | 3.00 | | |
| 842 | 31 | 3.41 | 1.7 | 3.20 | | |
| 255 | 103 | 5.60 | 0.3 | 0.85 | **GR27 GRF27** | **4P** |
| 286 | 92 | 5.00 | 0.6 | 0.95 | | |
| 335 | 79 | 4.27 | 0.9 | 1.00 | | |
| 358 | 74 | 4.00 | 1.0 | 1.05 | | |
| 424 | 62 | 3.37 | 1.2 | 1.15 | | |
| 436 | 61 | 6.59 | 1.2 | 1.55 | **GR27 GRF27** | **2P** |
| 513 | 51 | 5.60 | 1.3 | 1.75 | | |
| 574 | 46 | 5.00 | 1.2 | 1.85 | | |
| 672 | 39 | 4.27 | 1.2 | 2.00 | | |
| 718 | 37 | 4.00 | 1.2 | 2.10 | | |
| 852 | 31 | 3.37 | 1.1 | 2.30 | | |
| 222 | 126 | 6.45 | 6.8 | 1.45 | **GRX87 GRXF87** | **4P** |
| 257 | 109 | 5.56 | 6.5 | 2.00 | | |
| 282 | 99 | 5.07 | 6.3 | 2.40 | | |
| 318 | 88 | 4.50 | 6.1 | 3.20 | | |
| 378 | 74 | 3.78 | 5.8 | 3.90 | | |
| 302 | 92 | 4.73 | 4.8 | 1.25 | **GRX77 GRXF77** | **4P** |
| 354 | 79 | 4.04 | 4.6 | 1.75 | | |
| 386 | 72 | 3.70 | 4.5 | 2.00 | | |
| 440 | 63 | 3.25 | 4.3 | 2.70 | | |
| 464 | 60 | 3.08 | 4.3 | 3.10 | | |
| 379 | 74 | 3.77 | 3.0 | 1.15 | **GRX67 GRXF67** | **4P** |
| 447 | 63 | 3.20 | 2.9 | 1.55 | | |
| 495 | 56 | 2.89 | 2.8 | 1.80 | | |
| 563 | 50 | 2.54 | 2.7 | 2.30 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 596 | 47 | 2.40 | 2.7 | 2.50 | **GRX67 GRXF67** | **4P** |
| 701 | 40 | 2.04 | 2.6 | 3.20 | | |
| 769 | 36 | 1.86 | 2.5 | 3.30 | | |
| 888 | 31 | 1.61 | 2.4 | 3.50 | | |
| 1021 | 27 | 1.40 | 2.3 | 3.60 | | |
| 455 | 61 | 3.14 | 2.2 | 1.00 | **GRX57 GRXF57** | **4P** |
| 542 | 52 | 2.64 | 2.1 | 1.30 | | |
| 603 | 46 | 2.37 | 2.1 | 1.40 | | |
| 701 | 40 | 2.04 | 2.0 | 1.65 | | |
| 745 | 38 | 1.92 | 2.0 | 1.75 | | |
| 867 | 32 | 1.65 | 1.9 | 2.00 | | |
| 966 | 29 | 1.48 | 1.8 | 2.20 | | |
| 1135 | 25 | 1.26 | 1.8 | 2.40 | | |
| **4kW** | | | | | | |
| 0.85 | 43008 | 1691 | 128 | 0.85 | **GR177R107 GRF177R107** | **4P** |
| 0.96 | 38147 | 1499 | 128 | 0.95 | | |
| 1.06 | 34487 | 1355 | 128 | 1.05 | | |
| 1.28 | 30613 | 1129 | 128 | 1.20 | | |
| 1.35 | 27114 | 1066 | 128 | 1.35 | | |
| 1.50 | 24416 | 959 | 128 | 1.50 | | |
| 1.80 | 21664 | 799 | 128 | 1.70 | | |
| 1.87 | 19608 | 770 | 128 | 1.85 | | |
| 2.07 | 17711 | 696 | 128 | 2.05 | | |
| 2.44 | 15013 | 590 | 128 | 2.45 | | |
| 2.93 | 13330 | 492 | 128 | 2.75 | | |
| 1.00 | 37855 | 1435 | 128 | 0.95 | **GR177R97 GRF177R97** | **4P** |
| 1.21 | 32443 | 1189 | 128 | 1.15 | | |
| 1.25 | 30454 | 1154 | 128 | 1.20 | | |
| 1.50 | 26103 | 957 | 128 | 1.40 | | |
| 1.9 | 20957 | 768 | 128 | 1.75 | | |
| 2.0 | 18729 | 710 | 128 | 1.95 | | |
| 2.6 | 14192 | 563 | 128 | 2.60 | | |
| 3.0 | 12707 | 481 | 128 | 2.90 | | |
| 1.7 | 20613 | 861 | 114 | 0.85 | **GR167R97 GRF167R97** | **4P** |
| 1.9 | 18195 | 760 | 114 | 0.95 | | |
| 2.2 | 15706 | 656 | 114 | 1.15 | | |
| 2.9 | 12042 | 503 | 114 | 1.45 | | |
| 3.8 | 9026 | 377 | 114 | 2.00 | | |
| 4.3 | 8020 | 335 | 114 | 2.20 | | |
| 2.7 | 12761 | 533 | 59 | 1.00 | **GR147R87 GRF147R87** | **4P** |
| 3.1 | 11061 | 462 | 63 | 1.20 | | |
| 3.4 | 10199 | 426 | 64 | 1.25 | | |
| 3.9 | 8810 | 368 | 66 | 1.50 | | |
| 4.4 | 7805 | 326 | 67 | 1.70 | **GR147R87 GRF147R87** | **4P** |
| 5.1 | 6704 | 280 | 68 | 1.95 | | |
| 5.8 | 5914 | 247 | 69 | 2.20 | | |
| 6.7 | 5123 | 214 | 69 | 2.50 | | |
| 7.6 | 4525 | 189 | 70 | 2.95 | | |
| 9.1 | 3807 | 159 | 70 | 3.35 | | |
| 2.3 | 14820 | 619 | 44 | 0.90 | **GR147R77 GRF147R77** | **4P** |
| 2.6 | 13359 | 558 | 58 | 1.00 | | |
| 2.9 | 11707 | 489 | 61 | 1.15 | | |
| 3.5 | 9936 | 415 | 64 | 1.30 | | |
| 3.8 | 9122 | 381 | 43 | 0.85 | **GR137R77 GRF137R77** | **4P** |
| 4.5 | 7733 | 323 | 51 | 1.05 | | |
| 4.9 | 6967 | 291 | 52 | 1.15 | | |
| 5.6 | 6105 | 255 | 54 | 1.30 | | |
| 6.5 | 5339 | 223 | 55 | 1.50 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 3.8 | 9002 | 376 | 43 | 0.90 | **GR137R77 GRF137R77** | **4P** |
| 4.2 | 8116 | 339 | 49 | 0.95 | | |
| 4.8 | 7111 | 297 | 52 | 1.10 | | |
| 7.7 | 4477 | 187 | 26 | 0.95 | **GR107R77 GRF107R77** | **4P** |
| 7.5 | 4621 | 193 | 20 | 0.95 | **GR107R77 GRF107R77** | **4P** |
| 8.4 | 4118 | 172 | 28 | 1.05 | | |
| 4.4 | 8231 | 163.31 | 66 | 1.50 | **GR147 GRF147** | **8P** |
| 4.9 | 7405 | 146.91 | 67 | 1.65 | | |
| 6.0 | 6041 | 119.86 | 68 | 2.00 | | |
| 6.6 | 5510 | 109.31 | 69 | 2.20 | | |
| 4.1 | 8790 | 174.40 | 46 | 0.85 | **GR137 GRF137** | **8P** |
| 4.6 | 7878 | 156.31 | 50 | 0.95 | | |
| 5.1 | 7113 | 141.12 | 52 | 1.05 | | |
| 5.6 | 6461 | 128.18 | 53 | 1.20 | | |
| 6.3 | 5732 | 113.72 | 54 | 1.35 | | |
| 7.0 | 5202 | 103.20 | 55 | 1.45 | | |
| 4.3 | 8415 | 222.60 | 48 | 0.90 | **GR137 GRF137** | **6P** |
| 5.1 | 7124 | 188.45 | 52 | 1.05 | | |
| 5.5 | 6593 | 174.40 | 53 | 1.15 | | |
| 6.1 | 5909 | 156.31 | 54 | 1.30 | | |
| 6.8 | 5335 | 141.12 | 55 | 1.40 | | |
| 7.5 | 4845 | 128.18 | 55 | 1.55 | | |
| 8.4 | 4299 | 113.72 | 56 | 1.75 | | |
| 9.3 | 3901 | 103.20 | 56 | 1.95 | | |
| 11 | 3353 | 88.70 | 57 | 2.30 | | |
| 8.4 | 4343 | 172.34 | 26 | 0.95 | **GR107 GRF107** | **4P** |
| 9.1 | 3999 | 158.68 | 28 | 1.00 | | |
| 10 | 3574 | 141.83 | 30 | 1.15 | | |
| 11 | 3218 | 127.68 | 32 | 1.25 | | |
| 12 | 2914 | 115.63 | 33 | 1.40 | | |
| 14 | 2584 | 102.53 | 34 | 1.55 | | |
| 16 | 2336 | 92.70 | 34 | 1.70 | | |
| 18 | 1980 | 78.57 | 33 | 2.00 | | |
| 20 | 1837 | 72.88 | 32 | 2.20 | | |
| 22 | 1653 | 65.60 | 32 | 2.40 | | |
| 24 | 1497 | 59.41 | 31 | 2.70 | | |
| 27 | 1328 | 52.68 | 30 | 3.00 | | |
| 12 | 2935 | 116.48 | 13 | 0.95 | **GR97 GRF97** | **4P** |
| 14 | 2607 | 103.44 | 21 | 1.10 | | |
| 16 | 2331 | 92.48 | 23 | 1.20 | | |
| 17 | 2095 | 83.15 | 24 | 1.35 | | |
| 20 | 1819 | 72.17 | 25 | 1.55 | | |
| 22 | 1643 | 65.21 | 25 | 1.70 | | |
| 24 | 1510 | 59.92 | 24 | 1.85 | | |
| 27 | 1341 | 53.21 | 23 | 2.10 | | |
| 30 | 1199 | 47.58 | 23 | 2.30 | | |
| 34 | 1078 | 42.78 | 22 | 2.60 | | |
| 39 | 936 | 37.13 | 21 | 3.00 | | |
| 43 | 838 | 33.25 | 21 | 3.20 | | |
| 45 | 808 | 32.05 | 21 | 3.00 | **GR97 GRF97** | **4P** |
| 53 | 685 | 27.19 | 20 | 3.50 | | |
| 58 | 631 | 25.03 | 19 | 4.20 | | |
| 64 | 564 | 22.37 | 19 | 4.50 | | |
| 71 | 508 | 20.14 | 18 | 4.80 | | |
| 23 | 1612 | 63.96 | 13 | 0.90 | **GR87 GRF87** | **4P** |
| 24 | 1527 | 60.61 | 13 | 0.95 | | |
| 27 | 1337 | 53.05 | 14 | 1.10 | | |
| 30 | 1204 | 47.79 | 15 | 1.20 | | |
| 34 | 1056 | 41.92 | 16 | 1.40 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 39 | 932 | 37.00 | 17 | 1.55 | **GR87 GRF87** | **4P** |
| 44 | 827 | 32.80 | 17 | 1.75 | | |
| 51 | 706 | 28.00 | 16 | 2.00 | | |
| 42 | 871 | 34.55 | 17 | 1.60 | **GR87 GRF87** | **4P** |
| 46 | 795 | 31.53 | 17 | 1.85 | | |
| 52 | 705 | 27.96 | 16 | 2.10 | | |
| 61 | 592 | 23.51 | 15 | 2.50 | | |
| 67 | 544 | 21.60 | 15 | 2.60 | | |
| 75 | 483 | 19.18 | 14 | 2.80 | | |
| 84 | 432 | 17.15 | 14 | 3.00 | | |
| 93 | 389 | 15.42 | 14 | 3.20 | | |
| 108 | 337 | 13.38 | 13 | 3.60 | | |
| 120 | 302 | 11.98 | 13 | 3.80 | | |
| 39 | 928 | 36.83 | 3.9 | 0.85 | **GR77 GRF77** | **4P** |
| 43 | 843 | 33.47 | 8.6 | 0.90 | | |
| 50 | 731 | 29.00 | 10 | 1.05 | | |
| 57 | 636 | 25.23 | 10 | 1.15 | | |
| 62 | 589 | 23.37 | 10 | 1.30 | **GR77 GRF77** | **4P** |
| 67 | 540 | 21.43 | 10 | 1.40 | | |
| 77 | 474 | 18.80 | 10 | 1.55 | | |
| 81 | 449 | 17.82 | 9.5 | 1.65 | | |
| 92 | 393 | 15.60 | 9.1 | 1.75 | | |
| 102 | 354 | 14.05 | 8.9 | 1.90 | | |
| 117 | 311 | 12.33 | 8.6 | 2.10 | | |
| 132 | 274 | 10.88 | 8.3 | 2.30 | | |
| 149 | 243 | 9.64 | 8.1 | 2.40 | | |
| 168 | 216 | 8.59 | 7.9 | 2.70 | | |
| 186 | 195 | 7.74 | 7.7 | 2.90 | | |
| 212 | 171 | 6.79 | 7.4 | 3.20 | | |
| 240 | 151 | 5.99 | 7.1 | 3.30 | | |
| 271 | 134 | 5.31 | 6.9 | 3.60 | | |
| 72 | 501 | 19.89 | 7.6 | 1.10 | **GR67 GRF67** | **4P** |
| 80 | 452 | 17.95 | 7.4 | 1.20 | | |
| 91 | 398 | 15.79 | 7.2 | 1.30 | | |
| 97 | 376 | 14.91 | 7.1 | 1.35 | | |
| 113 | 320 | 12.70 | 6.9 | 1.50 | | |
| 125 | 291 | 11.54 | 6.7 | 1.60 | | |
| 144 | 252 | 10.00 | 6.5 | 1.75 | | |
| 166 | 219 | 8.70 | 6.3 | 1.90 | | |
| 185 | 196 | 7.79 | 6.1 | 1.80 | | |
| 196 | 185 | 7.36 | 6.0 | 1.85 | | |
| 230 | 158 | 6.27 | 5.8 | 1.95 | | |
| 253 | 144 | 5.70 | 5.6 | 2.00 | | |
| 292 | 124 | 4.93 | 5.4 | 2.20 | | |
| 336 | 108 | 4.29 | 5.2 | 2.30 | | |
| 77 | 469 | 18.60 | 3.3 | 0.90 | **GR57 GRF57** | **4P** |
| 86 | 423 | 16.79 | 3.6 | 1.00 | | |
| 97 | 372 | 14.77 | 3.6 | 1.10 | | |
| 103 | 352 | 13.95 | 3.6 | 1.15 | | |
| 121 | 299 | 11.88 | 3.5 | 1.25 | | |
| 133 | 272 | 10.79 | 3.5 | 1.35 | | |
| 154 | 236 | 9.35 | 3.4 | 1.45 | | |
| 159 | 228 | 9.06 | 3.4 | 1.55 | | |
| 181 | 201 | 7.97 | 3.3 | 1.65 | | |
| 191 | 190 | 7.53 | 3.3 | 1.75 | | |
| 225 | 162 | 6.41 | 3.2 | 1.95 | | |
| 247 | 147 | 5.82 | 3.1 | 2.00 | | |
| 285 | 127 | 5.05 | 3.0 | 2.20 | | |
| 328 | 111 | 4.39 | 2.9 | 2.40 | | |
| 142 | 256 | 10.15 | 1.9 | 0.85 | **GR47 GRF47** | **4P** |
| 159 | 229 | 9.07 | 2.2 | 0.90 | | |
| 186 | 195 | 7.75 | 2.4 | 0.75 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 207 | 175 | 6.96 | 2.4 | 0.85 | **GR47 GRF47** | **4P** |
| 240 | 151 | 6.00 | 2.3 | 0.95 | | |
| 255 | 142 | 5.64 | 2.3 | 1.00 | | |
| 297 | 122 | 4.85 | 2.2 | 1.15 | | |
| 332 | 109 | 4.34 | 2.2 | 1.25 | | |
| 389 | 93 | 3.70 | 2.1 | 1.40 | | |
| 178 | 204 | 16.22 | 2.5 | 1.25 | **GR47 GRF47** | **2P** |
| 198 | 183 | 14.56 | 2.5 | 1.35 | | |
| 230 | 157 | 12.54 | 2.4 | 1.50 | | |
| 245 | 148 | 11.79 | 2.4 | 1.55 | | |
| 285 | 127 | 10.15 | 2.3 | 1.70 | | |
| 319 | 114 | 9.07 | 2.3 | 1.80 | | |
| 373 | 97 | 7.75 | 2.1 | 1.55 | | |
| 415 | 87 | 6.96 | 2.1 | 1.70 | | |
| 482 | 75 | 6.00 | 2.0 | 1.95 | | |
| 512 | 71 | 5.64 | 2.0 | 2.10 | | |
| 596 | 61 | 4.85 | 1.9 | 2.30 | | |
| 666 | 54 | 4.34 | 1.9 | 2.50 | | |
| 781 | 46 | 3.70 | 1.8 | 2.80 | | |
| 259 | 144 | 5.56 | 6.3 | 1.50 | **GRX87 GRXF87** | **4P** |
| 284 | 131 | 5.07 | 6.1 | 1.85 | | |
| 320 | 116 | 4.50 | 5.9 | 2.40 | | |
| 381 | 98 | 3.78 | 5.7 | 3.00 | | |
| 356 | 105 | 4.04 | 4.4 | 1.30 | **GRX77 GRXF77** | **4P** |
| 389 | 96 | 3.70 | 4.3 | 1.55 | | |
| 443 | 84 | 3.25 | 4.2 | 2.10 | | |
| 468 | 80 | 3.08 | 4.1 | 2.30 | | |
| 533 | 70 | 2.70 | 4.0 | 3.00 | | |
| 593 | 63 | 2.43 | 3.9 | 3.30 | | |
| 676 | 55 | 2.13 | 3.7 | 3.50 | | |
| 766 | 49 | 1.88 | 3.6 | 3.70 | | |
| 862 | 43 | 1.67 | 3.5 | 3.90 | | |
| 1014 | 37 | 1.42 | 3.3 | 4.10 | | |
| 450 | 83 | 3.20 | 2.7 | 1.15 | **GRX67 GRXF67** | **4P** |
| 498 | 75 | 2.89 | 2.7 | 1.35 | | |
| 567 | 66 | 2.54 | 2.6 | 1.75 | | |
| 600 | 62 | 2.40 | 2.6 | 1.90 | | |
| 706 | 53 | 2.04 | 2.5 | 2.40 | | |
| 774 | 48 | 1.86 | 2.4 | 2.50 | | |
| 894 | 42 | 1.61 | 2.3 | 2.60 | | |
| 1029 | 36 | 1.40 | 2.2 | 2.80 | | |
| 545 | 68 | 2.64 | 1.6 | 0.95 | **GRX57 GRXF57** | **4P** |
| 608 | 61 | 2.37 | 1.7 | 1.10 | | |
| 706 | 53 | 2.04 | 1.8 | 1.25 | | |
| 750 | 50 | 1.92 | 1.8 | 1.35 | | |
| 873 | 43 | 1.65 | 1.8 | 1.55 | | |
| 973 | 38 | 1.48 | 1.7 | 1.70 | | |
| 1143 | 33 | 1.26 | 1.7 | 1.80 | | |
| **5.5kW** | | | | | | |
| 1.3 | 37166 | 1129 | 128 | 1.0 | **GRF177R107 GRF177R107** | **4P** |
| 1.4 | 35092 | 1066 | 128 | 1.0 | | |
| 1.5 | 31570 | 959 | 128 | 1.2 | | |
| 1.8 | 26303 | 799 | 128 | 1.4 | | |
| 1.9 | 25348 | 770 | 128 | 1.4 | | |
| 2.1 | 22912 | 696 | 128 | 1.6 | | |
| 2.4 | 19422 | 590 | 128 | 1.9 | | |
| 2.9 | 16196 | 492 | 128 | 2.3 | | |
| 3.2 | 14814 | 450 | 128 | 2.5 | | |
| 3.6 | 13266 | 403 | 128 | 2.8 | | |
| 4.0 | 11983 | 364 | 128 | 3.1 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 1.2 | 39141 | 1189 | 128 | 0.9 | **GR177R97 GRF177R97** | **4P** |
| 1.2 | 37989 | 1154 | 128 | 1.0 | | |
| 1.5 | 31504 | 957 | 128 | 1.2 | | |
| 1.9 | 25282 | 768 | 128 | 1.4 | | |
| 2.0 | 23373 | 710 | 128 | 1.6 | | |
| 2.3 | 20443 | 621 | 128 | 1.8 | | |
| 2.6 | 18534 | 563 | 128 | 2.0 | | |
| 3.0 | 15834 | 481 | 128 | 2.3 | | |
| 3.0 | 15703 | 477 | 128 | 2.3 | | |
| 3.5 | 13431 | 408 | 128 | 2.7 | | |
| 4.0 | 11719 | 356 | 128 | 3.1 | | |
| 2.2 | 21595 | 656 | 114 | 0.85 | **GR167R97 GRF167R97** | **4P** |
| 2.5 | 19060 | 579 | 114 | 0.95 | | |
| 2.9 | 16558 | 503 | 114 | 1.05 | | |
| 3.3 | 14221 | 432 | 114 | 1.25 | | |
| 3.8 | 12411 | 377 | 114 | 1.45 | | |
| 4.3 | 11028 | 335 | 114 | 1.60 | | |
| 4.8 | 9975 | 303 | 114 | 1.80 | | |
| 5.2 | 9184 | 279 | 114 | 1.95 | | |
| 3.1 | 15209 | 462 | 42 | 0.85 | **GR147R87 GRF147R87** | **4P** |
| 3.4 | 14024 | 426 | 55 | 0.90 | | |
| 3.9 | 12114 | 368 | 61 | 1.10 | | |
| 4.4 | 10732 | 326 | 63 | 1.25 | | |
| 5.1 | 9217 | 280 | 65 | 1.40 | | |
| 5.8 | 8131 | 247 | 67 | 1.60 | | |
| 6.7 | 7045 | 214 | 68 | 1.90 | | |
| 7.6 | 6222 | 189 | 68 | 2.15 | | |
| 3.7 | 13450 | 194.08 | 128 | 2.50 | **GR177 GRF177** | **8P** |
| 4.0 | 12328 | 177.89 | 128 | 2.75 | | |
| 4.6 | 10739 | 154.96 | 128 | 3.05 | | |
| 3.1 | 15920 | 229.71 | 114 | 1.05 | **GR167 GRF167** | **8P** |
| 3.9 | 12955 | 186.93 | 114 | 1.30 | | |
| 4.7 | 10608 | 153.07 | 114 | 1.60 | | |
| 5.1 | 9701 | 139.98 | 114 | 1.75 | | |
| 5.9 | 8442 | 121.81 | 114 | 2.00 | | |
| 4.4 | 11318 | 163.31 | 61 | 1.10 | **GR147 GRF147** | **8P** |
| 4.9 | 10181 | 146.91 | 63 | 1.20 | | |
| 6.0 | 8307 | 119.86 | 66 | 1.45 | | |
| 6.6 | 7576 | 109.31 | 67 | 1.60 | | |
| 5.9 | 8489 | 163.31 | 66 | 1.45 | **GR147 GRF147** | **6P** |
| 6.5 | 7636 | 146.91 | 67 | 1.60 | | |
| 8.0 | 6230 | 119.86 | 68 | 2.00 | | |
| 8.8 | 5682 | 109.31 | 69 | 2.20 | | |
| 10 | 4917 | 94.60 | 69 | 2.50 | | |
| 12 | 4339 | 83.47 | 70 | 2.80 | | |
| 5.6 | 8883 | 128.18 | 42 | 0.85 | **GR137 GRF137** | **8P** |
| 6.3 | 7881 | 113.72 | 50 | 0.95 | | |
| 7.0 | 7152 | 103.20 | 51 | 1.05 | | |
| 8.1 | 6147 | 88.70 | 53 | 1.20 | | |
| 5.5 | 9065 | 174.40 | 41 | 0.85 | **GR137 GRF137** | **6P** |
| 6.1 | 8125 | 156.31 | 49 | 0.95 | | |
| 6.8 | 7335 | 141.12 | 51 | 1.05 | | |
| 7.5 | 6663 | 128.18 | 53 | 1.15 | | |
| 8.4 | 5911 | 113.72 | 54 | 1.30 | | |
| 9.3 | 5364 | 103.20 | 55 | 1.40 | | |
| 6.5 | 7714 | 222.60 | 50 | 1.00 | **GR137 GRF137** | **4P** |
| 7.6 | 6530 | 188.45 | 53 | 1.15 | | |
| 8.3 | 6043 | 174.40 | 54 | 1.25 | | |
| 9.2 | 5416 | 156.31 | 55 | 1.40 | | |
| 10 | 4890 | 141.12 | 55 | 1.55 | | |
| 11 | 4442 | 128.18 | 56 | 1.70 | | |
| 13 | 3941 | 113.72 | 56 | 1.90 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 14 | 3576 | 103.20 | 57 | 2.10 | **GR137 GRF137** | **4P** |
| 16 | 3074 | 88.70 | 57 | 2.50 | | |
| 18 | 2804 | 80.91 | 57 | 2.70 | | |
| 20 | 2547 | 73.49 | 57 | 3.00 | | |
| 22 | 2259 | 65.20 | 58 | 3.30 | | |
| 24 | 2050 | 59.17 | 58 | 3.70 | | |
| 28 | 1762 | 50.86 | 58 | 4.30 | | |
| 11 | 4424 | 127.68 | 26 | 0.90 | **GR107 GRF107** | **4P** |
| 12 | 4007 | 115.63 | 28 | 1.00 | | |
| 14 | 3553 | 102.53 | 30 | 1.15 | | |
| 16 | 3212 | 92.70 | 32 | 1.25 | | |
| 18 | 2723 | 78.57 | 32 | 1.50 | | |
| 20 | 2525 | 72.88 | 31 | 1.60 | | |
| 22 | 2273 | 65.60 | 30 | 1.80 | | |
| 24 | 2059 | 59.41 | 30 | 1.95 | | |
| 27 | 1825 | 52.68 | 29 | 2.20 | | |
| 30 | 1650 | 47.63 | 28 | 2.50 | | |
| 36 | 1399 | 40.37 | 27 | 2.90 | | |
| 17 | 2881 | 83.15 | 17 | 1.00 | **GR97 GRF97** | **4P** |
| 20 | 2501 | 72.17 | 21 | 1.15 | | |
| 22 | 2260 | 65.21 | 23 | 1.25 | | |
| 24 | 2076 | 59.92 | 23 | 1.35 | | |
| 27 | 1844 | 53.21 | 22 | 1.55 | | |
| 30 | 1649 | 47.58 | 22 | 1.70 | | |
| 34 | 1482 | 42.78 | 21 | 1.90 | | |
| 39 | 1287 | 37.13 | 21 | 2.20 | | |
| 43 | 1152 | 33.25 | 20 | 2.40 | | |
| 52 | 956 | 27.58 | 19 | 2.60 | | |
| 45 | 1111 | 32.05 | 20 | 2.20 | **GR97 GRF97** | **4P** |
| 53 | 942 | 27.19 | 19 | 2.60 | | |
| 58 | 867 | 25.03 | 19 | 3.10 | | |
| 64 | 775 | 22.37 | 18 | 3.30 | | |
| 71 | 698 | 20.14 | 17 | 3.50 | | |
| 79 | 632 | 18.24 | 17 | 3.70 | | |
| 89 | 560 | 16.17 | 16 | 4.00 | | |
| 30 | 1656 | 47.79 | 15 | 0.90 | **GR87 GRF87** | **4P** |
| 34 | 1453 | 41.92 | 16 | 1.00 | | |
| 39 | 1282 | 37.00 | 16 | 1.15 | | |
| 44 | 1137 | 32.80 | 16 | 1.30 | | |
| 51 | 970 | 28.00 | 15 | 1.45 | | |
| 52 | 969 | 27.96 | 15 | 1.50 | **GR87 GRF87** | **4P** |
| 61 | 815 | 23.51 | 15 | 1.80 | | |
| 67 | 748 | 21.60 | 14 | 1.90 | | |
| 75 | 665 | 19.18 | 14 | 2.00 | | |
| 84 | 594 | 17.15 | 14 | 2.20 | | |
| 93 | 534 | 15.42 | 13 | 2.40 | | |
| 108 | 464 | 13.38 | 13 | 2.60 | | |
| 120 | 415 | 11.98 | 12 | 2.80 | | |
| 145 | 344 | 9.94 | 12 | 3.20 | | |
| 157 | 317 | 9.15 | 12 | 3.60 | | |
| 175 | 285 | 8.23 | 11 | 3.80 | | |
| 202 | 247 | 7.14 | 11 | 4.10 | | |
| 77 | 651 | 18.80 | 8.8 | 1.15 | **GR77 GRF77** | **4P** |
| 81 | 617 | 17.82 | 8.9 | 1.20 | | |
| 92 | 541 | 15.60 | 8.7 | 1.30 | | |
| 102 | 487 | 14.05 | 8.5 | 1.40 | | |
| 117 | 427 | 12.33 | 8.3 | 1.50 | | |
| 132 | 377 | 10.88 | 8.0 | 1.65 | | |
| 149 | 334 | 9.64 | 7.8 | 1.80 | | |
| 168 | 298 | 8.59 | 7.7 | 2.00 | | |
| 186 | 268 | 7.74 | 7.5 | 2.20 | | |
| 212 | 235 | 6.79 | 7.2 | 2.30 | | |
| 240 | 208 | 5.99 | 7.0 | 2.50 | | |
| 271 | 184 | 5.31 | 6.7 | 2.60 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 91 | 547 | 15.79 | 6.3 | 0.95 | | |
| 97 | 517 | 14.91 | 6.6 | 1.00 | | |
| 113 | 440 | 12.70 | 6.5 | 1.10 | | |
| 125 | 400 | 11.54 | 6.4 | 1.20 | | |
| 144 | 347 | 10.00 | 6.2 | 1.30 | | |
| 166 | 301 | 8.70 | 6.0 | 1.40 | **GR67 GRF67** | **4P** |
| 185 | 270 | 7.79 | 5.9 | 1.35 | | |
| 196 | 255 | 7.36 | 5.8 | 1.35 | | |
| 230 | 217 | 6.27 | 5.6 | 1.45 | | |
| 253 | 198 | 5.70 | 5.4 | 1.50 | | |
| 292 | 171 | 4.93 | 5.2 | 1.60 | | |
| 336 | 149 | 4.29 | 5.0 | 1.70 | | |
| 333 | 150 | 8.70 | 5.0 | 2.80 | | |
| 372 | 134 | 7.79 | 4.9 | 2.70 | | |
| 394 | 127 | 7.36 | 4.8 | 2.80 | **GR67 GRF67** | **2P** |
| 463 | 108 | 6.27 | 4.6 | 2.90 | | |
| 509 | 98 | 5.70 | 4.5 | 3.00 | | |
| 588 | 85 | 4.93 | 4.3 | 3.20 | | |
| 676 | 74 | 4.29 | 4.1 | 3.50 | | |
| 97 | 512 | 14.77 | 1.6 | 0.80 | | |
| 103 | 483 | 13.95 | 2.0 | 0.85 | | |
| 121 | 412 | 11.88 | 2.8 | 0.95 | | |
| 133 | 374 | 10.79 | 3.1 | 1.00 | | |
| 154 | 324 | 9.35 | 3.1 | 1.10 | **GR57 GRF57** | **4P** |
| 181 | 276 | 7.97 | 3.1 | 1.20 | | |
| 191 | 261 | 7.53 | 3.0 | 1.25 | | |
| 225 | 222 | 6.41 | 3.0 | 1.40 | | |
| 247 | 202 | 5.82 | 2.9 | 1.50 | | |
| 285 | 175 | 5.05 | 2.9 | 1.65 | | |
| 328 | 152 | 4.39 | 2.8 | 1.75 | | |
| 310 | 161 | 9.35 | 2.8 | 2.20 | | |
| 364 | 137 | 7.97 | 2.7 | 2.40 | | |
| 385 | 130 | 7.53 | 2.7 | 2.50 | **GR57 GRF57** | **2P** |
| 452 | 110 | 6.41 | 2.6 | 2.90 | | |
| 498 | 100 | 5.82 | 2.5 | 3.00 | | |
| 574 | 87 | 5.05 | 2.4 | 3.30 | | |
| 661 | 76 | 4.39 | 2.3 | 3.50 | | |
| 297 | 168 | 4.85 | 1.8 | 0.85 | **GR47 GRF47** | **4P** |
| 332 | 150 | 4.34 | 2.0 | 0.90 | | |
| 389 | 128 | 3.70 | 2.0 | 1.00 | | |
| 231 | 216 | 12.54 | 1.6 | 1.10 | | |
| 246 | 203 | 11.79 | 1.8 | 1.15 | | |
| 286 | 175 | 10.15 | 2.1 | 1.25 | | |
| 320 | 156 | 9.07 | 2.1 | 1.35 | | |
| 374 | 133 | 7.75 | 1.9 | 1.40 | **GR47 GRF47** | **2P** |
| 483 | 103 | 6.00 | 1.9 | 1.45 | | |
| 514 | 97 | 5.64 | 1.9 | 1.50 | | |
| 598 | 83 | 4.85 | 1.8 | 1.70 | | |
| 668 | 75 | 4.34 | 1.8 | 1.85 | | |
| 784 | 64 | 3.70 | 1.7 | 2.10 | | |
| 221 | 232 | 6.52 | 16 | 4.80 | **GRX137 GRXF137** | **4P** |
| 245 | 209 | 5.87 | 16 | 6.25 | | |
| 217 | 236 | 6.63 | 10 | 1.90 | | |
| 257 | 200 | 5.61 | 9.5 | 2.20 | **GRX107 GRXF107** | **4P** |
| 277 | 185 | 5.19 | 9.3 | 3.70 | | |
| 310 | 165 | 4.65 | 9.0 | 4.10 | | |
| 249 | 206 | 5.79 | 8.0 | 1.95 | | |
| 293 | 175 | 4.91 | 7.6 | 2.20 | | |
| 319 | 161 | 4.52 | 7.4 | 3.60 | | |
| 356 | 144 | 4.04 | 7.2 | 4.00 | **GRX97 GRXF97** | **4P** |
| 396 | 129 | 3.64 | 7.0 | 4.40 | | |
| 436 | 117 | 3.30 | 6.8 | 4.90 | | |
| 493 | 104 | 2.92 | 6.5 | 5.50 | | |
| 545 | 94 | 2.64 | 6.4 | 6.10 | | |
| 643 | 80 | 2.24 | 6.0 | 7.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 735 | 70 | 1.96 | 5.8 | 7.90 | **GRX97 GRXF97** | **4P** |
| 878 | 58 | 1.64 | 5.5 | 8.40 | | |
| 1014 | 51 | 1.42 | 5.3 | 8.80 | | |
| 320 | 160 | 4.50 | 5.7 | 1.75 | | |
| 381 | 134 | 3.78 | 5.5 | 2.20 | | |
| 414 | 124 | 3.48 | 5.4 | 3.20 | **GRX87 GRXF87** | **4P** |
| 466 | 110 | 3.09 | 5.2 | 3.60 | | |
| 522 | 98 | 2.76 | 5.0 | 4.00 | | |
| 581 | 88 | 2.48 | 4.9 | 4.40 | | |
| 670 | 76 | 2.15 | 4.7 | 4.90 | | |
| 443 | 116 | 3.25 | 4.0 | 1.50 | | |
| 468 | 110 | 3.08 | 4.0 | 1.70 | | |
| 533 | 96 | 2.70 | 3.8 | 2.20 | | |
| 593 | 86 | 2.43 | 3.7 | 2.40 | **GRX77 GRXF77** | **4P** |
| 676 | 76 | 2.13 | 3.6 | 2.60 | | |
| 766 | 67 | 1.88 | 3.5 | 2.70 | | |
| 862 | 59 | 1.67 | 3.4 | 2.80 | | |
| 1014 | 51 | 1.42 | 3.2 | 3.00 | | |
| 567 | 90 | 2.54 | 2.4 | 1.25 | | |
| 600 | 85 | 2.40 | 2.4 | 1.40 | | |
| 706 | 73 | 2.04 | 2.3 | 1.80 | **GRX67 GRXF67** | **4P** |
| 774 | 66 | 1.86 | 2.3 | 1.85 | | |
| 894 | 57 | 1.61 | 2.2 | 1.95 | | |
| 1029 | 50 | 1.40 | 2.1 | 2.00 | | |
| 706 | 73 | 2.04 | 0.6 | 0.90 | | |
| 750 | 68 | 1.92 | 0.7 | 1.00 | **GRX57 GRXF57** | **4P** |
| 873 | 59 | 1.65 | 0.9 | 1.15 | | |
| 973 | 53 | 1.48 | 1.0 | 1.25 | | |
| 1143 | 45 | 1.26 | 1.1 | 1.30 | | |
| **7.5kW** | | | | | | |
| 1.5 | 43049 | 959 | 128 | 0.9 | | |
| 1.8 | 35867 | 799 | 128 | 1.0 | | |
| 1.9 | 34565 | 770 | 128 | 1.1 | | |
| 2.1 | 31243 | 696 | 128 | 1.2 | | |
| 2.4 | 26485 | 590 | 128 | 1.4 | | |
| 2.9 | 22086 | 492 | 128 | 1.7 | **GR177R107 GRF177R107** | **4P** |
| 3.2 | 20200 | 450 | 128 | 1.8 | | |
| 3.6 | 18091 | 403 | 128 | 2.0 | | |
| 4.0 | 16340 | 364 | 128 | 2.2 | | |
| 4.4 | 14859 | 331 | 128 | 2.5 | | |
| 4.9 | 13153 | 293 | 128 | 2.8 | | |
| 5.4 | 11941 | 266 | 128 | 3.1 | | |
| 1.9 | 34476 | 768 | 128 | 1.1 | | |
| 2.0 | 31872 | 710 | 128 | 1.1 | | |
| 2.3 | 27877 | 621 | 128 | 1.3 | | |
| 2.6 | 25273 | 563 | 128 | 1.4 | **GR177R97 GRF177R97** | **4P** |
| 3.0 | 21592 | 481 | 128 | 1.7 | | |
| 3.0 | 21413 | 477 | 128 | 1.7 | | |
| 3.5 | 18315 | 408 | 128 | 2.0 | | |
| 4.0 | 15981 | 356 | 128 | 2.3 | | |
| 4.9 | 13243 | 295 | 128 | 2.8 | | |
| 2.9 | 22580 | 503 | 54 | 0.80 | | |
| 3.3 | 19392 | 432 | 59 | 0.95 | | |
| 3.8 | 16924 | 377 | 62 | 1.10 | **GR167R97 GRF167R97** | **4P** |
| 4.3 | 15038 | 335 | 64 | 1.20 | | |
| 4.8 | 13602 | 303 | 66 | 1.30 | | |
| 5.2 | 12524 | 279 | 67 | 1.45 | | |
| 4.4 | 14634 | 326 | 48 | 0.90 | | |
| 5.1 | 12569 | 280 | 60 | 1.05 | | |
| 5.8 | 11088 | 247 | 62 | 1.20 | **GR147R87 GRF147R87** | **4P** |
| 6.7 | 9606 | 214 | 65 | 1.40 | | |
| 7.6 | 8484 | 189 | 66 | 1.60 | | |
| 9.1 | 7138 | 159 | 67 | 1.80 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 3.7 | 18342 | 194.08 | 128 | 1.85 | **GR177 GRF177** | **8P** |
| 4.0 | 16812 | 177.89 | 128 | 2.00 | | |
| 4.6 | 14645 | 154.96 | 128 | 2.25 | | |
| 5.2 | 12976 | 137.30 | 128 | 2.55 | | |
| 3.1 | 21709 | 229.71 | 114 | 0.80 | **GR167 GRF167** | **8P** |
| 3.9 | 17666 | 186.93 | 114 | 0.95 | | |
| 4.7 | 14466 | 153.07 | 114 | 1.20 | | |
| 5.1 | 13229 | 139.98 | 114 | 1.30 | | |
| 5.9 | 11512 | 121.81 | 114 | 1.50 | | |
| 4.2 | 16114 | 229.71 | 114 | 1.05 | **GR167 GRF167** | **6P** |
| 5.2 | 13113 | 186.93 | 114 | 1.30 | | |
| 6.3 | 10738 | 153.07 | 114 | 1.60 | | |
| 6.9 | 9819 | 139.98 | 114 | 1.70 | | |
| 8.0 | 8545 | 121.81 | 114 | 2.00 | | |
| 9.0 | 7540 | 107.49 | 114 | 2.20 | | |
| 10 | 6537 | 93.19 | 114 | 2.60 | | |
| 12 | 5816 | 82.91 | 114 | 2.90 | | |
| 13 | 5170 | 73.70 | 114 | 3.30 | | |
| 14 | 4728 | 67.40 | 114 | 3.60 | | |
| 4.4 | 15434 | 163.31 | 31 | 0.80 | **GR147 GRF147** | **8P** |
| 4.9 | 13884 | 146.91 | 52 | 0.90 | | |
| 6.0 | 11327 | 119.86 | 61 | 1.10 | | |
| 6.6 | 10330 | 109.31 | 63 | 1.20 | | |
| 5.9 | 11456 | 163.31 | 61 | 1.05 | **GR147 GRF147** | **6P** |
| 6.6 | 10305 | 146.91 | 63 | 1.20 | | |
| 8.1 | 8408 | 119.86 | 66 | 1.45 | | |
| 8.9 | 7668 | 109.31 | 67 | 1.60 | | |
| 10 | 6636 | 94.60 | 68 | 1.85 | | |
| 12 | 5855 | 83.47 | 68 | 2.10 | | |
| 7.6 | 8905 | 188.45 | 43 | 0.85 | **GR137 GRF137** | **4P** |
| 8.3 | 8241 | 174.40 | 48 | 0.90 | | |
| 9.2 | 7386 | 156.31 | 51 | 1.00 | | |
| 10 | 6668 | 141.12 | 52 | 1.15 | | |
| 11 | 6057 | 128.18 | 54 | 1.25 | | |
| 13 | 5374 | 113.72 | 55 | 1.40 | | |
| 14 | 4876 | 103.20 | 55 | 1.55 | | |
| 16 | 4191 | 88.70 | 56 | 1.80 | | |
| 18 | 3823 | 80.91 | 57 | 1.95 | | |
| 20 | 3473 | 73.49 | 57 | 2.20 | | |
| 22 | 3081 | 65.20 | 57 | 2.50 | | |
| 24 | 2796 | 59.17 | 57 | 2.70 | | |
| 28 | 2403 | 50.86 | 58 | 3.10 | | |
| 32 | 2098 | 44.39 | 57 | 3.50 | | |
| 16 | 4380 | 92.70 | 26 | 0.95 | **GR107 GRF107** | **4P** |
| 18 | 3713 | 78.57 | 30 | 1.10 | | |
| 20 | 3444 | 72.88 | 30 | 1.20 | | |
| 22 | 3100 | 65.60 | 29 | 1.30 | | |
| 24 | 2807 | 59.41 | 29 | 1.45 | | |
| 27 | 2489 | 52.68 | 28 | 1.65 | | |
| 30 | 2251 | 47.63 | 27 | 1.80 | | |
| 36 | 1908 | 40.37 | 26 | 2.10 | | |
| 41 | 1666 | 35.26 | 25 | 2.40 | | |
| 49 | 1393 | 29.49 | 24 | 2.90 | | |
| 47 | 1454 | 30.77 | 24 | 2.80 | **GR107 GRF107** | **4P** |
| 52 | 1303 | 27.58 | 23 | 3.10 | | |
| 58 | 1177 | 24.90 | 23 | 3.50 | | |
| 64 | 1069 | 22.62 | 22 | 3.80 | | |
| 24 | 2831 | 59.92 | 19 | 1.00 | **GR97 GRF97** | **4P** |
| 27 | 2514 | 53.21 | 21 | 1.15 | | |
| 30 | 2248 | 47.58 | 21 | 1.25 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 34 | 2021 | 42.78 | 20 | 1.40 | **GR97 GRF97** | **4P** |
| 39 | 1754 | 37.13 | 20 | 1.60 | | |
| 43 | 1571 | 33.25 | 19 | 1.75 | | |
| 52 | 1303 | 27.58 | 18 | 1.95 | | |
| 45 | 1514 | 32.05 | 19 | 1.60 | **GR97 GRF97** | **4P** |
| 53 | 1285 | 27.19 | 18 | 1.90 | | |
| 58 | 1183 | 25.03 | 18 | 2.30 | | |
| 64 | 1057 | 22.37 | 17 | 2.40 | | |
| 71 | 952 | 20.14 | 17 | 2.60 | | |
| 79 | 862 | 18.24 | 17 | 2.70 | | |
| 89 | 764 | 16.17 | 17 | 3.00 | | |
| 98 | 691 | 14.62 | 17 | 3.40 | | |
| 39 | 1748 | 37.00 | 11 | 0.85 | **GR87 GRF87** | **4P** |
| 44 | 1550 | 32.80 | 15 | 0.95 | | |
| 51 | 1323 | 28.00 | 14 | 1.05 | | |
| 52 | 1321 | 27.96 | 14 | 1.10 | **GR87 GRF87** | **4P** |
| 61 | 1111 | 23.51 | 14 | 1.30 | | |
| 67 | 1021 | 21.60 | 14 | 1.40 | | |
| 75 | 906 | 19.18 | 13 | 1.50 | | |
| 84 | 810 | 17.15 | 13 | 1.65 | | |
| 93 | 729 | 15.42 | 12 | 1.75 | | |
| 108 | 632 | 13.38 | 12 | 1.90 | | |
| 120 | 566 | 11.98 | 12 | 2.10 | | |
| 145 | 470 | 9.94 | 11 | 2.40 | | |
| 157 | 432 | 9.15 | 11 | 2.60 | | |
| 175 | 389 | 8.23 | 11 | 2.80 | | |
| 202 | 337 | 7.14 | 11 | 3.00 | | |
| 225 | 302 | 6.39 | 10 | 3.20 | | |
| 271 | 251 | 5.31 | 10 | 3.40 | | |
| 77 | 888 | 18.80 | 5.0 | 0.85 | **GR77 GRF77** | **4P** |
| 81 | 842 | 17.82 | 5.4 | 0.85 | | |
| 92 | 737 | 15.60 | 6.3 | 0.95 | | |
| 102 | 664 | 14.05 | 6.8 | 1.00 | | |
| 117 | 583 | 12.33 | 7.4 | 1.10 | | |
| 132 | 514 | 10.88 | 7.6 | 1.20 | | |
| 149 | 456 | 9.64 | 7.4 | 1.30 | | |
| 168 | 406 | 8.59 | 7.2 | 1.45 | | |
| 186 | 366 | 7.74 | 7.2 | 1.55 | | |
| 212 | 321 | 6.79 | 7.0 | 1.70 | | |
| 240 | 283 | 5.99 | 6.8 | 1.80 | | |
| 271 | 251 | 5.31 | 6.5 | 1.90 | | |
| 113 | 600 | 12.70 | 4.0 | 0.80 | **GR67 GRF67** | **4P** |
| 125 | 545 | 11.54 | 4.6 | 0.85 | | |
| 144 | 473 | 10.00 | 5.3 | 0.95 | | |
| 166 | 411 | 8.70 | 5.6 | 1.00 | | |
| 185 | 368 | 7.79 | 5.2 | 0.95 | | |
| 196 | 348 | 7.36 | 5.4 | 1.00 | | |
| 230 | 296 | 6.27 | 5.3 | 1.05 | | |
| 253 | 269 | 5.70 | 5.2 | 1.10 | | |
| 292 | 233 | 4.93 | 5.0 | 1.15 | | |
| 336 | 203 | 4.29 | 4.9 | 1.25 | | |
| 181 | 377 | 7.97 | 0.9 | 0.90 | **GR57 GRF57** | **4P** |
| 191 | 356 | 7.53 | 1.2 | 0.95 | | |
| 225 | 303 | 6.41 | 1.9 | 1.05 | | |
| 247 | 275 | 5.82 | 2.3 | 1.10 | | |
| 285 | 239 | 5.05 | 2.6 | 1.20 | | |
| 328 | 207 | 4.39 | 2.6 | 1.25 | | |
| 196 | 347 | 14.77 | 2.5 | 1.20 | **GR57 GRF57** | **2P** |
| 208 | 327 | 13.95 | 2.6 | 1.25 | | |
| 244 | 279 | 11.88 | 2.6 | 1.40 | | |
| 269 | 253 | 10.79 | 2.6 | 1.45 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 310 | 219 | 9.35 | 2.6 | 1.60 | **GR57 GRF57** | **2P** |
| 364 | 187 | 7.97 | 2.5 | 1.80 | | |
| 385 | 177 | 7.53 | 2.5 | 1.90 | | |
| 452 | 150 | 6.41 | 2.4 | 2.10 | | |
| 498 | 137 | 5.82 | 2.4 | 2.20 | | |
| 574 | 118 | 5.05 | 2.3 | 2.50 | | |
| 661 | 103 | 4.39 | 2.3 | 2.60 | | |
| 221 | 316 | 6.52 | 16 | 3.55 | **GRX137 GRXF137** | **4P** |
| 245 | 285 | 5.87 | 16 | 4.60 | | |
| 217 | 322 | 6.63 | 10 | 1.40 | **GRX107 GRXF107** | **4P** |
| 257 | 272 | 5.61 | 9.2 | 1.60 | | |
| 277 | 252 | 5.19 | 9.0 | 2.70 | | |
| 310 | 226 | 4.65 | 8.7 | 3.00 | | |
| 343 | 204 | 4.20 | 8.5 | 3.90 | | |
| 249 | 281 | 5.79 | 7.7 | 1.45 | **GRX97 GRXF97** | **4P** |
| 293 | 238 | 4.91 | 7.4 | 1.60 | | |
| 319 | 219 | 4.52 | 7.2 | 2.60 | | |
| 356 | 196 | 4.04 | 7.0 | 2.90 | | |
| 396 | 177 | 3.64 | 6.8 | 3.30 | | |
| 436 | 160 | 3.30 | 6.6 | 3.60 | | |
| 493 | 142 | 2.92 | 6.4 | 4.10 | | |
| 320 | 218 | 4.50 | 5.5 | 1.30 | **GRX87 GRXF87** | **4P** |
| 381 | 183 | 3.78 | 5.3 | 1.60 | | |
| 414 | 169 | 3.48 | 5.1 | 2.30 | | |
| 466 | 150 | 3.09 | 5.0 | 2.60 | | |
| 522 | 134 | 2.76 | 4.9 | 2.90 | | |
| 581 | 120 | 2.48 | 4.7 | 3.30 | | |
| 670 | 104 | 2.15 | 4.5 | 3.60 | | |
| 746 | 94 | 1.93 | 4.4 | 3.70 | | |
| 900 | 78 | 1.60 | 4.2 | 3.90 | | |
| 1036 | 67 | 1.39 | 4.0 | 4.20 | | |
| 443 | 158 | 3.25 | 3.6 | 1.10 | **GRX77 GRXF77** | **4P** |
| 468 | 149 | 3.08 | 3.7 | 1.25 | | |
| 533 | 131 | 2.70 | 3.6 | 1.60 | | |
| 593 | 118 | 2.43 | 3.5 | 1.75 | | |
| 676 | 103 | 2.13 | 3.4 | 1.85 | | |
| 766 | 91 | 1.88 | 3.3 | 2.00 | | |
| 862 | 81 | 1.67 | 3.2 | 2.10 | | |
| 1014 | 69 | 1.42 | 3.1 | 2.20 | | |
| 567 | 123 | 2.54 | 1.4 | 0.95 | **GRX67 GRXF67** | **4P** |
| 600 | 116 | 2.40 | 1.5 | 1.00 | | |
| 706 | 99 | 2.04 | 1.7 | 1.30 | | |
| 774 | 90 | 1.86 | 1.8 | 1.35 | | |
| 894 | 78 | 1.61 | 2.0 | 1.40 | | |
| 1029 | 68 | 1.40 | 2.0 | 1.50 | | |
| **11kW** | | | | | | |
| 2.5 | 38313 | 590 | 128 | 1.0 | **GR177R107 GRF177R107** | **4P** |
| 3.0 | 31949 | 492 | 128 | 1.1 | | |
| 3.2 | 29222 | 450 | 128 | 1.3 | | |
| 3.6 | 26170 | 403 | 128 | 1.4 | | |
| 4.0 | 23637 | 364 | 128 | 1.5 | | |
| 4.4 | 21494 | 331 | 128 | 1.7 | | |
| 5.0 | 19026 | 293 | 128 | 1.9 | | |
| 5.5 | 17273 | 266 | 128 | 2.1 | | |
| 6.4 | 14871 | 229 | 128 | 2.5 | | |
| 7.3 | 12987 | 200 | 128 | 2.8 | | |
| 2.4 | 40326 | 621 | 128 | 0.9 | **GR177R97 GRF177R97** | **4P** |
| 2.6 | 36559 | 563 | 128 | 1.0 | | |
| 3.0 | 31235 | 481 | 128 | 1.2 | | |
| 3.1 | 30975 | 477 | 128 | 1.2 | | |
| 3.6 | 26494 | 408 | 128 | 1.4 | | |
| 4.1 | 23117 | 356 | 128 | 1.6 | | |
| 4.9 | 19156 | 295 | 128 | 1.9 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 4.9 | 19156 | 295 | 114 | 0.90 | **GR167R107 GRF167R107** | **4P** |
| 5.4 | 17533 | 270 | 114 | 1.00 | | |
| 6.4 | 14871 | 229 | 114 | 1.20 | | |
| 7.3 | 12987 | 200 | 114 | 1.35 | | |
| 8.6 | 10974 | 169 | 114 | 1.60 | | |
| 5.0 | 18897 | 291 | 114 | 0.95 | **GR167R107 GRF167R107** | **4P** |
| 4.4 | 21754 | 335 | 114 | 0.80 | **GR167R97 GRF167R97** | **4P** |
| 4.8 | 19676 | 303 | 114 | 0.90 | | |
| 5.2 | 18117 | 279 | 114 | 1.00 | | |
| 5.9 | 16039 | 247 | 25 | 0.80 | **GR147R897 GRF147R897** | **4P** |
| 6.8 | 13896 | 214 | 55 | 0.95 | | |
| 7.7 | 12273 | 189 | 60 | 1.10 | | |
| 9.2 | 10325 | 159 | 63 | 1.25 | | |
| 3.8 | 26532 | 194.08 | 128 | 1.25 | **GR177 GRF177** | **8P** |
| 4.1 | 24319 | 177.89 | 128 | 1.40 | | |
| 4.7 | 21184 | 154.96 | 128 | 1.55 | | |
| 5.3 | 18770 | 137.3 | 128 | 1.75 | | |
| 5.0 | 19968 | 194.08 | 128 | 1.70 | **GR177 GRF177** | **6P** |
| 5.5 | 18302 | 177.89 | 128 | 1.85 | | |
| 6.3 | 15943 | 154.96 | 128 | 2.05 | | |
| 7.1 | 14126 | 137.3 | 128 | 2.30 | | |
| 7.5 | 13266 | 194.08 | 128 | 2.55 | **GR177 GRF177** | **4P** |
| 8.2 | 12160 | 177.89 | 128 | 2.80 | | |
| 9.4 | 10592 | 154.96 | 128 | 3.10 | | |
| 10.6 | 9385 | 137.3 | 128 | 3.50 | | |
| 5.2 | 19232 | 186.93 | 114 | 0.90 | **GR167 GRF167** | **6P** |
| 6.3 | 15748 | 153.07 | 114 | 1.05 | | |
| 6.9 | 14402 | 139.98 | 114 | 1.20 | | |
| 8.0 | 12532 | 121.81 | 114 | 1.35 | | |
| 6.4 | 15702 | 229.71 | 114 | 1.05 | **GR167 GRF167** | **4P** |
| 7.8 | 12777 | 186.93 | 114 | 1.30 | | |
| 9.5 | 10463 | 153.07 | 114 | 1.60 | | |
| 10 | 9568 | 139.98 | 114 | 1.75 | | |
| 12 | 8326 | 121.81 | 114 | 2.00 | | |
| 14 | 7347 | 107.49 | 114 | 2.30 | | |
| 16 | 6370 | 93.19 | 114 | 2.70 | | |
| 18 | 5667 | 82.91 | 114 | 3.00 | | |
| 6.6 | 15115 | 146.91 | 34 | 0.80 | **GR147 GRF147** | **6P** |
| 8.1 | 12332 | 119.86 | 59 | 1.00 | | |
| 8.9 | 11246 | 109.31 | 61 | 1.10 | | |
| 10 | 9733 | 94.60 | 64 | 1.25 | | |
| 12 | 8588 | 83.47 | 66 | 1.40 | | |
| 8.9 | 11163 | 163.31 | 61 | 1.10 | **GR147 GRF147** | **4P** |
| 9.9 | 10042 | 146.91 | 63 | 1.20 | | |
| 12 | 8193 | 119.86 | 65 | 1.50 | | |
| 13 | 7472 | 109.31 | 66 | 1.65 | | |
| 15 | 6466 | 94.60 | 67 | 1.90 | | |
| 17 | 5706 | 83.47 | 68 | 2.10 | | |
| 20 | 4928 | 72.09 | 69 | 2.50 | | |
| 22 | 4579 | 66.99 | 69 | 2.70 | | |
| 24 | 4176 | 61.09 | 70 | 2.90 | | |
| 28 | 3614 | 52.87 | 70 | 3.40 | | |
| 10 | 9646 | 141.12 | 22 | 0.80 | **GR137 GRF137** | **4P** |
| 11 | 8762 | 128.18 | 45 | 0.85 | | |
| 13 | 7773 | 113.72 | 50 | 0.95 | | |
| 14 | 7054 | 103.20 | 52 | 1.05 | | |
| 16 | 6063 | 88.70 | 53 | 1.25 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 18 | 5531 | 80.91 | 54 | 1.35 | **GR137 GRF137** | **4P** |
| 20 | 5023 | 73.49 | 55 | 1.50 | | |
| 22 | 4457 | 65.20 | 56 | 1.70 | | |
| 25 | 4045 | 59.17 | 56 | 1.85 | | |
| 29 | 3477 | 50.86 | 57 | 2.20 | | |
| 33 | 3034 | 44.39 | 57 | 2.50 | | |
| 39 | 2574 | 37.65 | 57 | 2.90 | | |
| 44 | 2250 | 32.91 | 58 | 3.30 | | |
| 22 | 4484 | 65.60 | 23 | 0.90 | **GR107 GRF107** | **4P** |
| 25 | 4061 | 59.41 | 26 | 1.00 | | |
| 28 | 3601 | 52.68 | 26 | 1.10 | | |
| 31 | 3256 | 47.63 | 25 | 1.25 | | |
| 36 | 2759 | 40.37 | 24 | 1.45 | | |
| 41 | 2410 | 35.26 | 24 | 1.65 | | |
| 50 | 2016 | 29.49 | 23 | 2.00 | | |
| 47 | 2103 | 30.77 | 23 | 1.90 | **GR107 GRF107** | **4P** |
| 53 | 1885 | 27.58 | 22 | 2.10 | | |
| 59 | 1702 | 24.90 | 22 | 2.40 | | |
| 65 | 1546 | 22.62 | 21 | 2.60 | | |
| 73 | 1372 | 20.07 | 21 | 2.90 | | |
| 80 | 1245 | 18.21 | 20 | 3.20 | | |
| 34 | 2924 | 42.78 | 14 | 0.95 | **GR97 GRF97** | **4P** |
| 39 | 2538 | 37.13 | 18 | 1.10 | | |
| 44 | 2273 | 33.25 | 18 | 1.20 | | |
| 53 | 1885 | 27.58 | 17 | 1.35 | | |
| 58 | 1711 | 25.03 | 17 | 1.55 | **GR97 GRF97** | **4P** |
| 65 | 1529 | 22.37 | 16 | 1.65 | | |
| 72 | 1377 | 20.14 | 16 | 1.80 | | |
| 80 | 1247 | 18.24 | 16 | 1.90 | | |
| 90 | 1105 | 16.17 | 15 | 2.00 | | |
| 100 | 999 | 14.62 | 15 | 2.20 | | |
| 118 | 847 | 12.39 | 14 | 2.40 | | |
| 135 | 740 | 10.83 | 14 | 2.70 | | |
| 157 | 635 | 9.29 | 14 | 3.00 | | |
| 174 | 573 | 8.39 | 13 | 3.30 | | |
| 205 | 487 | 7.12 | 13 | 3.80 | | |
| 235 | 424 | 6.21 | 12 | 4.20 | | |
| 68 | 1476 | 21.60 | 13 | 0.95 | **GR87 GRF87** | **4P** |
| 76 | 1311 | 19.18 | 12 | 1.05 | | |
| 85 | 1172 | 17.15 | 12 | 1.10 | | |
| 95 | 1054 | 15.42 | 12 | 1.20 | | |
| 109 | 915 | 13.38 | 12 | 1.30 | | |
| 122 | 819 | 11.98 | 11 | 1.40 | | |
| 147 | 679 | 9.94 | 11 | 1.65 | | |
| 160 | 625 | 9.15 | 11 | 1.80 | | |
| 177 | 563 | 8.23 | 11 | 1.95 | | |
| 204 | 488 | 7.14 | 10 | 2.10 | | |
| 228 | 437 | 6.39 | 10 | 2.20 | | |
| 275 | 363 | 5.31 | 9.4 | 2.30 | | |
| 134 | 744 | 10.88 | 4.0 | 0.85 | **GR77 GRF77** | **4P** |
| 151 | 659 | 9.64 | 4.8 | 0.90 | | |
| 189 | 529 | 7.74 | 4.4 | 1.10 | | |
| 215 | 464 | 6.79 | 5.0 | 1.15 | | |
| 244 | 409 | 5.99 | 5.4 | 1.25 | | |
| 275 | 363 | 5.31 | 5.8 | 1.30 | | |
| 224 | 457 | 6.52 | 16 | 2.45 | **GRX137 GRXF137** | **4P** |
| 249 | 412 | 5.87 | 12 | 3.20 | | |
| 277 | 370 | 5.28 | 12 | 3.65 | | |
| 339 | 302 | 4.31 | 10 | 3.85 | | |
| 372 | 276 | 3.93 | 6.0 | 4.80 | | |
| 429 | 239 | 3.40 | 6.0 | 5.60 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 281 | 364 | 5.19 | 8.6 | 1.85 | **GRX107 GRXF107** | **4P** |
| 314 | 326 | 4.65 | 8.3 | 2.00 | | |
| 348 | 295 | 4.20 | 8.1 | 2.70 | | |
| 383 | 267 | 3.81 | 7.9 | 3.00 | | |
| 432 | 237 | 3.38 | 7.7 | 3.40 | | |
| 476 | 215 | 3.07 | 7.5 | 3.70 | | |
| 553 | 185 | 2.64 | 7.2 | 4.30 | | |
| 323 | 317 | 4.52 | 6.8 | 1.80 | **GRX97 GRXF97** | **4P** |
| 361 | 283 | 4.04 | 6.6 | 2.00 | | |
| 401 | 255 | 3.64 | 6.5 | 2.20 | | |
| 442 | 232 | 3.30 | 6.3 | 2.50 | | |
| 500 | 205 | 2.92 | 6.1 | 2.80 | | |
| 553 | 185 | 2.64 | 6.0 | 3.10 | | |
| 652 | 157 | 2.24 | 5.7 | 3.60 | | |
| 745 | 138 | 1.96 | 5.5 | 4.00 | | |
| 890 | 115 | 1.64 | 5.2 | 4.20 | | |
| 1028 | 100 | 1.42 | 5.0 | 4.40 | | |
| 420 | 244 | 3.48 | 4.8 | 1.60 | **GRX87 GRXF87** | **4P** |
| 472 | 217 | 3.09 | 4.7 | 1.80 | | |
| 529 | 194 | 2.76 | 4.6 | 2.00 | | |
| 589 | 174 | 2.48 | 4.4 | 2.20 | | |
| 679 | 151 | 2.15 | 4.3 | 2.50 | | |
| 756 | 135 | 1.93 | 4.2 | 2.50 | | |
| 913 | 112 | 1.60 | 4.0 | 2.70 | | |
| 1050 | 98 | 1.39 | 3.8 | 2.90 | | |
| 601 | 171 | 2.43 | 1.8 | 1.20 | **GRX77 GRXF77** | **4P** |
| 685 | 149 | 2.13 | 2.0 | 1.30 | | |
| 777 | 132 | 1.88 | 2.2 | 1.35 | | |
| 874 | 117 | 1.67 | 2.3 | 1.40 | | |
| 1028 | 100 | 1.42 | 2.5 | 1.50 | | |
| **15kW** | | | | | | |
| 3.2 | 39848 | 450 | 128 | 0.9 | **GR177R107 GRF177R107** | **4P** |
| 3.6 | 35686 | 403 | 128 | 1.0 | | |
| 4.0 | 32232 | 364 | 128 | 1.1 | | |
| 4.4 | 29310 | 331 | 128 | 1.2 | | |
| 5.0 | 25945 | 293 | 128 | 1.4 | | |
| 5.5 | 23554 | 266 | 128 | 1.6 | | |
| 6.4 | 20278 | 229 | 128 | 1.8 | | |
| 7.3 | 17710 | 200 | 128 | 2.1 | | |
| 8.6 | 14965 | 169 | 128 | 2.4 | | |
| 3.0 | 42593 | 481 | 128 | 0.9 | **GR177R97 GRF177R97** | **4P** |
| 3.1 | 42238 | 477 | 128 | 0.9 | | |
| 3.6 | 36128 | 408 | 128 | 1.0 | | |
| 4.1 | 31524 | 356 | 128 | 1.2 | | |
| 4.9 | 26122 | 295 | 128 | 1.4 | | |
| 6.4 | 20278 | 229 | 114 | 0.85 | **GR167R107 GRF167R107** | **4P** |
| 7.3 | 17710 | 200 | 114 | 1.00 | | |
| 8.6 | 14965 | 169 | 114 | 1.20 | | |
| 6.4 | 20101 | 227 | 114 | 0.90 | **GR167R107 GRF167R107** | **4P** |
| 7.4 | 17533 | 198 | 114 | 1.00 | | |
| 4.1 | 33162 | 177.89 | 128 | 1.00 | **GR177 GRF177** | **8P** |
| 4.7 | 28888 | 154.96 | 128 | 1.15 | | |
| 5.3 | 25596 | 137.30 | 128 | 1.30 | | |
| 5.0 | 27229 | 194.08 | 128 | 1.25 | **GR177 GRF177** | **6P** |
| 5.5 | 24957 | 177.89 | 128 | 1.35 | | |
| 6.3 | 21740 | 154.96 | 128 | 1.50 | | |
| 7.1 | 19263 | 137.30 | 128 | 1.70 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **15kW** | | | | | | |
| 7.5 | 18090 | 194.08 | 128 | 1.85 | **GR177 GRF177** | **4P** |
| 8.2 | 16581 | 177.89 | 128 | 2.05 | | |
| 9.4 | 14444 | 154.96 | 128 | 2.25 | | |
| 10.6 | 12798 | 137.30 | 128 | 2.60 | | |
| 6.3 | 21475 | 153.07 | 114 | 0.80 | **GR167 GRF167** | **6P** |
| 6.9 | 19639 | 139.98 | 114 | 0.85 | | |
| 8.0 | 17090 | 121.81 | 114 | 1.00 | | |
| 9.0 | 15080 | 107.49 | 114 | 1.15 | | |
| 6.4 | 21411 | 229.71 | 114 | 0.80 | **GR167 GRF167** | **4P** |
| 7.8 | 17424 | 186.93 | 114 | 1.00 | | |
| 9.5 | 14268 | 153.07 | 114 | 1.20 | | |
| 10 | 13048 | 139.98 | 114 | 1.30 | | |
| 12 | 11354 | 121.81 | 114 | 1.50 | | |
| 14 | 10019 | 107.49 | 114 | 1.70 | | |
| 16 | 8686 | 93.19 | 114 | 1.95 | | |
| 18 | 7728 | 82.91 | 114 | 2.20 | | |
| 20 | 6870 | 73.70 | 114 | 2.50 | | |
| 22 | 6282 | 67.40 | 114 | 2.70 | | |
| 8.9 | 15336 | 109.31 | 33 | 0.80 | **GR147 GRF147** | **6P** |
| 10 | 13272 | 94.60 | 57 | 0.95 | | |
| 12 | 11711 | 83.47 | 61 | 1.05 | | |
| 13 | 10114 | 72.09 | 63 | 1.20 | | |
| 14 | 9398 | 66.99 | 64 | 1.30 | | |
| 8.9 | 15222 | 163.31 | 34 | 0.80 | **GR147 GRF147** | **4P** |
| 9.9 | 13694 | 146.91 | 54 | 0.90 | | |
| 12 | 11172 | 119.86 | 62 | 1.10 | | |
| 13 | 10189 | 109.31 | 63 | 1.20 | | |
| 15 | 8818 | 94.60 | 65 | 1.40 | | |
| 17 | 7780 | 83.47 | 66 | 1.60 | | |
| 21 | 6720 | 72.09 | 68 | 1.85 | | |
| 22 | 6244 | 66.99 | 68 | 2.00 | | |
| 24 | 5694 | 61.09 | 68 | 2.20 | | |
| 28 | 4928 | 52.87 | 69 | 2.50 | | |
| 31 | 4348 | 46.65 | 69 | 2.80 | | |
| 36 | 3755 | 40.29 | 69 | 3.30 | | |
| 41 | 3322 | 35.64 | 69 | 3.70 | | |
| 14 | 9619 | 103.20 | 29 | 0.80 | **GR137 GRF137** | **4P** |
| 16 | 8268 | 88.70 | 48 | 0.90 | | |
| 18 | 7542 | 80.91 | 51 | 1.00 | | |
| 20 | 6850 | 73.49 | 52 | 1.10 | | |
| 22 | 6077 | 65.20 | 54 | 1.25 | | |
| 25 | 5515 | 59.17 | 54 | 1.40 | | |
| 29 | 4741 | 50.86 | 55 | 1.60 | | |
| 33 | 4138 | 44.39 | 56 | 1.85 | | |
| 39 | 3509 | 37.65 | 57 | 2.20 | | |
| 44 | 3068 | 32.91 | 57 | 2.50 | | |
| 52 | 2594 | 27.83 | 57 | 2.80 | | |
| 61 | 2248 | 24.12 | 57 | 3.20 | **GR137 GRF137** | **4P** |
| 66 | 2051 | 22.00 | 57 | 3.50 | | |
| 77 | 1775 | 19.04 | 57 | 4.00 | | |
| 31 | 4440 | 47.63 | 23 | 0.90 | **GR107 GRF107** | **4P** |
| 36 | 3763 | 40.37 | 23 | 1.10 | | |
| 41 | 3287 | 35.26 | 22 | 1.25 | | |
| 50 | 2749 | 29.49 | 21 | 1.50 | | |
| 47 | 2868 | 30.77 | 22 | 1.40 | **GR107 GRF107** | **4P** |
| 53 | 2571 | 27.58 | 21 | 1.60 | | |
| 59 | 2321 | 24.90 | 21 | 1.75 | | |
| 65 | 2108 | 22.62 | 20 | 1.95 | | |
| 73 | 1871 | 20.07 | 20 | 2.20 | | |
| 80 | 1697 | 18.21 | 19 | 2.40 | | |
| 93 | 1459 | 15.65 | 19 | 2.80 | | |
| 107 | 1273 | 13.66 | 18 | 3.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **15kW** | | | | | | |
| 53 | 2571 | 27.58 | 16 | 1.00 | **GR97 GRF97** | **4P** |
| 58 | 2333 | 25.03 | 15 | 1.15 | | |
| 65 | 2085 | 22.37 | 15 | 1.25 | | |
| 72 | 1877 | 20.14 | 15 | 1.30 | | |
| 80 | 1700 | 18.24 | 15 | 1.40 | | |
| 90 | 1507 | 16.17 | 14 | 1.50 | | |
| 100 | 1363 | 14.62 | 14 | 1.60 | **GR97 GRF97** | **4P** |
| 118 | 1155 | 12.39 | 14 | 1.80 | | |
| 135 | 1009 | 10.83 | 13 | 1.95 | | |
| 157 | 866 | 9.29 | 13 | 2.20 | | |
| 174 | 782 | 8.39 | 13 | 2.50 | | |
| 205 | 664 | 7.12 | 12 | 2.90 | | |
| 235 | 579 | 6.21 | 12 | 3.10 | | |
| 281 | 485 | 5.20 | 17 | 3.70 | | |
| 85 | 1599 | 17.15 | 11 | 0.85 | **GR87 GRF87** | **4P** |
| 95 | 1437 | 15.42 | 11 | 0.90 | | |
| 109 | 1247 | 13.38 | 11 | 1.00 | | |
| 122 | 1117 | 11.98 | 11 | 1.05 | | |
| 147 | 927 | 9.94 | 10 | 1.20 | | |
| 160 | 853 | 9.15 | 10 | 1.35 | | |
| 177 | 767 | 8.23 | 10 | 1.45 | | |
| 204 | 666 | 7.14 | 10 | 1.55 | | |
| 228 | 596 | 6.39 | 10 | 1.65 | | |
| 275 | 495 | 5.31 | 9.1 | 1.75 | | |
| 224 | 624 | 6.52 | 16 | 1.80 | **GRX137 GRXF137** | **4P** |
| 249 | 562 | 5.87 | 12 | 2.35 | | |
| 277 | 505 | 5.28 | 12 | 2.65 | | |
| 339 | 412 | 4.31 | 10 | 2.80 | | |
| 372 | 376 | 3.93 | 6.0 | 3.50 | | |
| 429 | 325 | 3.40 | 5.9 | 4.15 | | |
| 487 | 287 | 3.00 | 5.9 | 4.90 | | |
| 564 | 248 | 2.59 | 6.5 | 5.20 | | |
| 638 | 219 | 2.29 | 6.1 | 5.35 | | |
| 281 | 497 | 5.19 | 8.0 | 1.35 | **GRX107 GRXF107** | **4P** |
| 314 | 445 | 4.65 | 7.8 | 1.50 | | |
| 348 | 402 | 4.20 | 7.7 | 2.00 | | |
| 383 | 365 | 3.81 | 7.5 | 2.20 | | |
| 432 | 323 | 3.38 | 7.3 | 2.50 | | |
| 476 | 294 | 3.07 | 7.2 | 2.80 | | |
| 553 | 253 | 2.64 | 6.9 | 3.20 | | |
| 635 | 220 | 2.30 | 6.7 | 3.70 | | |
| 749 | 187 | 1.95 | 6.4 | 4.00 | | |
| 854 | 164 | 1.71 | 6.1 | 4.20 | | |
| 1014 | 138 | 1.44 | 5.9 | 4.60 | | |
| 323 | 432 | 4.52 | 6.3 | 1.35 | **GRX97 GRXF97** | **4P** |
| 361 | 387 | 4.04 | 6.2 | 1.50 | | |
| 401 | 348 | 3.64 | 6.1 | 1.65 | | |
| 442 | 316 | 3.30 | 6.0 | 1.85 | | |
| 500 | 279 | 2.92 | 5.8 | 2.10 | | |
| 553 | 253 | 2.64 | 5.7 | 2.30 | | |
| 652 | 214 | 2.24 | 5.4 | 2.70 | | |
| 745 | 188 | 1.96 | 5.3 | 3.00 | | |
| 890 | 157 | 1.64 | 5.0 | 3.20 | | |
| 1028 | 136 | 1.42 | 4.8 | 3.30 | | |
| 420 | 333 | 3.48 | 4.0 | 1.20 | **GRX87 GRXF87** | **4P** |
| 472 | 296 | 3.09 | 4.3 | 1.35 | | |
| 529 | 264 | 2.76 | 4.2 | 1.50 | | |
| 589 | 237 | 2.48 | 4.1 | 1.65 | | |
| 679 | 206 | 2.15 | 4.0 | 1.80 | | |
| 756 | 185 | 1.93 | 3.9 | 1.90 | | |
| 913 | 153 | 1.60 | 3.8 | 2.00 | | |
| 1050 | 133 | 1.39 | 3.6 | 2.10 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **18.5kW** | | | | | | |
| 4.0 | 39483 | 364 | 128 | 0.9 | **GR177R107 GRF177R107** | **4P** |
| 4.4 | 35903 | 331 | 128 | 1.0 | | |
| 5.0 | 31781 | 293 | 128 | 1.2 | | |
| 5.5 | 28853 | 266 | 128 | 1.3 | | |
| 6.4 | 24839 | 229 | 128 | 1.5 | | |
| 7.4 | 21694 | 200 | 128 | 1.7 | | |
| 8.7 | 18331 | 169 | 128 | 2.0 | | |
| 3.6 | 44255 | 408 | 128 | 0.8 | **GR177R97 GRF177R97** | **4P** |
| 4.1 | 38615 | 356 | 128 | 0.9 | | |
| 5.0 | 31998 | 295 | 128 | 1.1 | | |
| 5.5 | 30781 | 177.89 | 128 | 1.10 | **GR177 GRF177** | **6P** |
| 6.3 | 26813 | 154.96 | 128 | 1.20 | | |
| 7.1 | 23757 | 137.30 | 128 | 1.40 | | |
| 7.6 | 22160 | 194.08 | 128 | 1.50 | **GR177 GRF177** | **4P** |
| 8.3 | 20311 | 177.89 | 128 | 1.65 | | |
| 9.5 | 17693 | 154.96 | 128 | 1.85 | | |
| 10.7 | 15677 | 137.30 | 128 | 2.10 | | |
| 7.9 | 21343 | 186.93 | 114 | 0.80 | **GR167 GRF167** | **4P** |
| 9.6 | 17477 | 153.07 | 114 | 1.00 | | |
| 11 | 15983 | 139.98 | 114 | 1.05 | | |
| 12 | 13908 | 121.81 | 114 | 1.25 | | |
| 14 | 12273 | 107.49 | 114 | 1.40 | | |
| 16 | 10640 | 93.19 | 114 | 1.60 | | |
| 18 | 9466 | 82.91 | 114 | 1.80 | | |
| 20 | 8415 | 73.70 | 114 | 2.00 | | |
| 22 | 7696 | 67.40 | 114 | 2.20 | | |
| 25 | 6697 | 58.65 | 114 | 2.50 | | |
| 28 | 5910 | 51.76 | 114 | 2.80 | | |
| 33 | 5123 | 44.87 | 114 | 3.20 | | |
| 12 | 13685 | 119.86 | 54 | 0.90 | **GR147 GRF147** | **4P** |
| 13 | 12481 | 109.31 | 59 | 1.00 | | |
| 16 | 10801 | 94.60 | 62 | 1.15 | | |
| 18 | 9530 | 83.47 | 64 | 1.30 | | |
| 20 | 8231 | 72.09 | 66 | 1.50 | | |
| 22 | 7649 | 66.99 | 67 | 1.60 | | |
| 24 | 6975 | 61.09 | 67 | 1.75 | | |
| 28 | 6037 | 52.87 | 68 | 2.00 | | |
| 32 | 5326 | 46.65 | 69 | 2.30 | | |
| 36 | 4600 | 40.29 | 69 | 2.70 | | |
| 41 | 4069 | 35.64 | 69 | 3.00 | | |
| 49 | 3420 | 29.95 | 69 | 3.50 | | |
| 18 | 9238 | 80.91 | 37 | 0.80 | **GR137 GRF137** | **4P** |
| 20 | 8391 | 73.49 | 48 | 0.90 | | |
| 23 | 7444 | 65.20 | 51 | 1.00 | | |
| 25 | 6756 | 59.17 | 52 | 1.10 | | |
| 29 | 5807 | 50.86 | 54 | 1.30 | | |
| 33 | 5068 | 44.39 | 55 | 1.50 | | |
| 39 | 4299 | 37.65 | 56 | 1.75 | | |
| 45 | 3758 | 32.91 | 57 | 2.00 | | |
| 53 | 3178 | 27.83 | 57 | 2.30 | | |
| 50 | 3376 | 29.57 | 57 | 2.20 | **GR137 GRF137** | **4P** |
| 61 | 2754 | 24.12 | 57 | 2.80 | | |
| 67 | 2512 | 22.00 | 58 | 3.00 | | |
| 77 | 2174 | 19.04 | 58 | 3.50 | | |
| 88 | 1918 | 16.80 | 58 | 4.00 | | |
| 36 | 4609 | 40.37 | 19 | 0.90 | **GR107 GRF107** | **4P** |
| 42 | 4026 | 35.26 | 21 | 1.00 | | |
| 50 | 3367 | 29.49 | 20 | 1.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **18.5kW** | | | | | | |
| 59 | 2843 | 24.90 | 20 | 1.45 | **GR107 GRF107** | **4P** |
| 65 | 2583 | 22.62 | 20 | 1.60 | | |
| 73 | 2292 | 20.07 | 19 | 1.80 | | |
| 81 | 2079 | 18.21 | 19 | 1.95 | | |
| 94 | 1787 | 15.65 | 18 | 2.30 | | |
| 108 | 1560 | 13.66 | 18 | 2.60 | | |
| 127 | 1323 | 11.59 | 17 | 3.10 | | |
| 145 | 1157 | 10.13 | 16 | 3.50 | | |
| 187 | 897 | 7.86 | 15 | 3.10 | | |
| 221 | 760 | 6.66 | 15 | 3.70 | | |
| 73 | 2300 | 20.14 | 14 | 1.05 | **GR97 GRF97** | **4P** |
| 81 | 2083 | 18.24 | 14 | 1.15 | | |
| 91 | 1846 | 16.17 | 14 | 1.25 | | |
| 101 | 1669 | 14.62 | 13 | 1.30 | | |
| 119 | 1415 | 12.39 | 13 | 1.45 | | |
| 136 | 1237 | 10.83 | 13 | 1.60 | | |
| 158 | 1061 | 9.29 | 13 | 1.80 | | |
| 175 | 958 | 8.39 | 12 | 2.00 | | |
| 206 | 813 | 7.12 | 12 | 2.30 | | |
| 237 | 709 | 6.21 | 11 | 2.50 | | |
| 283 | 594 | 5.20 | 11 | 2.80 | | |
| 327 | 514 | 4.50 | 11 | 3.00 | | |
| 110 | 1528 | 13.38 | 10 | 0.80 | **GR87 GRF87** | **4P** |
| 123 | 1368 | 11.98 | 9.9 | 0.85 | | |
| 148 | 1135 | 9.94 | 9.7 | 1.00 | | |
| 161 | 1045 | 9.15 | 10 | 1.10 | | |
| 179 | 940 | 8.23 | 9.8 | 1.15 | | |
| 206 | 815 | 7.14 | 9.5 | 1.25 | | |
| 230 | 730 | 6.39 | 9.3 | 1.30 | | |
| 277 | 606 | 5.31 | 8.9 | 1.40 | | |
| 341 | 492 | 4.31 | 10 | 2.30 | **GRX137 GRXF137** | **4P** |
| 374 | 449 | 3.93 | 5.9 | 2.90 | | |
| 432 | 388 | 3.40 | 5.9 | 3.40 | | |
| 490 | 343 | 3.00 | 6.5 | 4.00 | | |
| 568 | 296 | 2.59 | 6.9 | 4.25 | | |
| 642 | 261 | 2.29 | 5.9 | 4.35 | | |
| 762 | 220 | 1.93 | 6.0 | 4.90 | | |
| 350 | 480 | 4.20 | 7.3 | 1.65 | **GRX107 GRXF107** | **4P** |
| 386 | 435 | 3.81 | 7.2 | 1.80 | | |
| 435 | 386 | 3.38 | 7.0 | 2.00 | | |
| 479 | 351 | 3.07 | 6.9 | 2.20 | | |
| 557 | 301 | 2.64 | 6.7 | 2.60 | | |
| 639 | 263 | 2.30 | 6.4 | 3.00 | | |
| 754 | 223 | 1.95 | 6.2 | 3.20 | | |
| 860 | 195 | 1.71 | 6.0 | 3.40 | | |
| 1021 | 164 | 1.44 | 5.7 | 3.70 | | |
| 404 | 416 | 3.64 | 5.8 | 1.35 | **GRX97 GRXF97** | **4P** |
| 445 | 377 | 3.30 | 5.7 | 1.50 | | |
| 503 | 333 | 2.92 | 5.5 | 1.70 | | |
| 557 | 301 | 2.64 | 5.4 | 1.85 | | |
| 656 | 256 | 2.24 | 5.2 | 2.20 | | |
| 750 | 224 | 1.96 | 5.1 | 2.40 | | |
| 896 | 187 | 1.64 | 4.9 | 2.60 | | |
| 1035 | 162 | 1.42 | 4.7 | 2.70 | | |
| 533 | 315 | 2.76 | 2.9 | 1.20 | **GRX87 GRXF87** | **4P** |
| 593 | 283 | 2.48 | 3.2 | 1.35 | | |
| 684 | 245 | 2.15 | 3.4 | 1.50 | | |
| 762 | 220 | 1.93 | 3.6 | 1.55 | | |
| 919 | 183 | 1.60 | 3.6 | 1.65 | | |
| 1058 | 159 | 1.39 | 3.5 | 1.75 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **22kW** | | | | | | |
| 4.4 | 42696 | 331 | 128 | 0.9 | **GR177R107 GRF177R107** | **4P** |
| 5.0 | 37794 | 293 | 128 | 1.0 | | |
| 5.5 | 34311 | 266 | 128 | 1.1 | | |
| 6.4 | 29539 | 229 | 128 | 1.2 | | |
| 7.4 | 25798 | 200 | 128 | 1.4 | | |
| 8.7 | 21799 | 169 | 128 | 1.7 | | |
| 5.0 | 38052 | 295 | 128 | 1.0 | **GR177R97 GRF177R97** | **4P** |
| 5.5 | 36604 | 177.89 | 128 | 0.90 | **GR177 GRF177** | **6P** |
| 6.3 | 31886 | 154.96 | 128 | 1.05 | | |
| 7.1 | 28252 | 137.30 | 128 | 1.15 | | |
| 7.6 | 26352 | 194.08 | 128 | 1.25 | **GR177 GRF177** | **4P** |
| 8.3 | 24154 | 177.89 | 128 | 1.40 | | |
| 9.5 | 21040 | 154.96 | 128 | 1.55 | | |
| 10.7 | 18642 | 137.30 | 128 | 1.75 | | |
| 9.6 | 20784 | 153.07 | 114 | 0.80 | **GR167 GRF167** | **4P** |
| 11 | 19006 | 139.98 | 114 | 0.90 | | |
| 12 | 16539 | 121.81 | 114 | 1.05 | | |
| 14 | 14595 | 107.49 | 114 | 1.15 | | |
| 16 | 12653 | 93.19 | 114 | 1.35 | | |
| 18 | 11257 | 82.91 | 114 | 1.50 | | |
| 20 | 10007 | 73.70 | 114 | 1.70 | | |
| 22 | 9151 | 67.40 | 114 | 1.85 | | |
| 25 | 7963 | 58.65 | 114 | 2.10 | | |
| 28 | 7028 | 51.76 | 114 | 2.40 | | |
| 33 | 6092 | 44.87 | 114 | 2.80 | | |
| 37 | 5420 | 39.92 | 114 | 3.10 | | |
| 43 | 4672 | 34.41 | 114 | 3.50 | | |
| 13 | 14842 | 109.31 | 39 | 0.85 | **GR147 GRF147** | **4P** |
| 16 | 12845 | 94.60 | 58 | 0.95 | | |
| 18 | 11333 | 83.47 | 61 | 1.10 | | |
| 20 | 9788 | 72.09 | 64 | 1.25 | | |
| 22 | 9096 | 66.99 | 65 | 1.35 | | |
| 24 | 8295 | 61.09 | 66 | 1.50 | | |
| 28 | 7179 | 52.87 | 67 | 1.70 | | |
| 32 | 6334 | 46.65 | 68 | 1.95 | | |
| 36 | 5471 | 40.29 | 69 | 2.20 | | |
| 41 | 4839 | 35.64 | 69 | 2.50 | | |
| 49 | 4067 | 29.95 | 70 | 3.00 | | |
| 23 | 8853 | 65.20 | 45 | 0.85 | **GR137 GRF137** | **4P** |
| 25 | 8034 | 59.17 | 49 | 0.95 | | |
| 29 | 6906 | 50.86 | 52 | 1.10 | | |
| 33 | 6027 | 44.39 | 54 | 1.25 | | |
| 39 | 5112 | 37.65 | 55 | 1.50 | | |
| 45 | 4468 | 32.91 | 56 | 1.70 | | |
| 53 | 3779 | 27.83 | 57 | 1.90 | | |
| 50 | 4015 | 29.57 | 56 | 1.85 | **GR137 GRF137** | **4P** |
| 61 | 3275 | 24.12 | 57 | 2.30 | | |
| 67 | 2987 | 22.00 | 57 | 2.50 | | |
| 77 | 2585 | 19.04 | 57 | 2.90 | | |
| 88 | 2281 | 16.80 | 58 | 3.30 | | |
| 101 | 1970 | 14.51 | 58 | 3.80 | | |
| 115 | 1742 | 12.83 | 58 | 4.30 | | |
| 42 | 4788 | 35.26 | 6.9 | 0.85 | **GR107 GRF107** | **4P** |
| 50 | 4004 | 29.49 | 19 | 1.00 | | |
| 59 | 3381 | 24.90 | 19 | 1.20 | **GR107 GRF107** | **4P** |
| 65 | 3071 | 22.62 | 19 | 1.35 | | |
| 73 | 2725 | 20.07 | 18 | 1.50 | | |
| 81 | 2473 | 18.21 | 18 | 1.65 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **22kW** | | | | | | |
| 94 | 2125 | 15.65 | 18 | 1.90 | **GR107 GRF107** | **4P** |
| 108 | 1855 | 13.66 | 17 | 2.20 | | |
| 127 | 1574 | 11.59 | 16 | 2.60 | | |
| 145 | 1375 | 10.13 | 16 | 3.00 | | |
| 172 | 1162 | 8.56 | 15 | 3.50 | | |
| 187 | 1067 | 7.86 | 15 | 2.60 | | |
| 221 | 904 | 6.66 | 15 | 3.10 | | |
| 253 | 790 | 5.82 | 14 | 3.60 | | |
| 73 | 2735 | 20.14 | 13 | 0.90 | **GR97 GRF97** | **4P** |
| 81 | 2477 | 18.24 | 13 | 0.95 | | |
| 91 | 2196 | 16.17 | 13 | 1.05 | | |
| 101 | 1985 | 14.62 | 13 | 1.10 | | |
| 119 | 1682 | 12.39 | 13 | 1.25 | | |
| 136 | 1470 | 10.83 | 12 | 1.35 | | |
| 158 | 1261 | 9.29 | 12 | 1.50 | | |
| 175 | 1139 | 8.39 | 12 | 1.70 | | |
| 206 | 967 | 7.12 | 12 | 1.95 | | |
| 237 | 843 | 6.21 | 11 | 2.10 | | |
| 283 | 706 | 5.20 | 11 | 2.40 | | |
| 327 | 611 | 4.50 | 10 | 2.50 | | |
| 148 | 1350 | 9.94 | 9.2 | 0.85 | **GR87 GRF87** | **4P** |
| 161 | 1242 | 9.15 | 10 | 0.90 | | |
| 179 | 1117 | 8.23 | 9.5 | 1.00 | | |
| 206 | 969 | 7.14 | 9.2 | 1.05 | | |
| 230 | 868 | 6.39 | 9.0 | 1.10 | | |
| 277 | 721 | 5.31 | 8.7 | 1.20 | | |
| 341 | 585 | 4.31 | 10 | 1.90 | **GRX137 GRXF137** | **4P** |
| 374 | 534 | 3.93 | 5.9 | 2.40 | | |
| 432 | 462 | 3.40 | 5.9 | 2.85 | | |
| 490 | 407 | 3.00 | 6.5 | 3.40 | | |
| 568 | 352 | 2.59 | 6.9 | 3.60 | | |
| 642 | 311 | 2.29 | 5.9 | 3.65 | | |
| 762 | 262 | 1.93 | 6.0 | 4.10 | | |
| 350 | 570 | 4.20 | 7.0 | 1.40 | **GRX107 GRXF107** | **4P** |
| 386 | 517 | 3.81 | 6.9 | 1.50 | | |
| 435 | 459 | 3.38 | 6.7 | 1.70 | | |
| 479 | 417 | 3.07 | 6.6 | 1.90 | | |
| 557 | 358 | 2.64 | 6.4 | 2.20 | | |
| 639 | 312 | 2.30 | 6.2 | 2.50 | | |
| 754 | 265 | 1.95 | 6.0 | 2.70 | | |
| 860 | 232 | 1.71 | 5.8 | 2.90 | | |
| 1021 | 196 | 1.44 | 5.6 | 3.10 | | |
| 404 | 494 | 3.64 | 5.4 | 1.15 | **GRX97 GRXF97** | **4P** |
| 445 | 448 | 3.30 | 5.4 | 1.25 | | |
| 503 | 396 | 2.92 | 5.3 | 1.40 | | |
| 557 | 358 | 2.64 | 5.2 | 1.55 | | |
| 656 | 304 | 2.24 | 5.0 | 1.85 | | |
| 750 | 266 | 1.96 | 4.9 | 2.00 | | |
| 896 | 223 | 1.64 | 4.7 | 2.20 | | |
| 1035 | 193 | 1.42 | 4.6 | 2.20 | | |
| 533 | 385 | 2.76 | 1.2 | 1.00 | **GRX87 GRXF87** | **4P** |
| 593 | 346 | 2.48 | 1.6 | 1.15 | | |
| 684 | 300 | 2.15 | 2.1 | 1.25 | | |
| 762 | 269 | 1.93 | 2.3 | 1.30 | | |
| 919 | 223 | 1.60 | 2.6 | 1.35 | | |
| 1058 | 194 | 1.39 | 2.9 | 1.45 | | |
| **30kW** | | | | | | |
| 6.4 | 40280 | 229 | 128 | 0.9 | **GR177R107 GRF177R107** | **4P** |
| 7.4 | 35179 | 200 | 128 | 1.0 | | |
| 8.7 | 29726 | 169 | 128 | 1.2 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **30kW** | | | | | | |
| 8.3 | 32937 | 177.89 | 128 | 1.00 | **GR177 GRF177** | **4P** |
| 9.5 | 28691 | 154.96 | 128 | 1.15 | | |
| 10.7 | 25422 | 137.30 | 128 | 1.30 | | |
| 12.3 | 22192 | 119.86 | 128 | 1.65 | | |
| 13.7 | 19841 | 107.16 | 128 | 1.85 | | |
| 16.0 | 16967 | 91.64 | 128 | 2.05 | | |
| 19.4 | 14064 | 75.96 | 128 | 2.40 | | |
| 21.9 | 12409 | 67.02 | 128 | 2.95 | | |
| 25.6 | 10613 | 57.32 | 128 | 3.30 | | |
| 14 | 19902 | 107.49 | 114 | 0.85 | **GR167 GRF167** | **4P** |
| 16 | 17254 | 93.19 | 114 | 1.00 | | |
| 18 | 15351 | 82.91 | 114 | 1.10 | | |
| 20 | 13646 | 73.70 | 114 | 1.25 | | |
| 22 | 12479 | 67.40 | 114 | 1.35 | | |
| 25 | 10859 | 58.65 | 114 | 1.55 | | |
| 28 | 9584 | 51.76 | 114 | 1.80 | | |
| 33 | 8308 | 44.87 | 114 | 2.10 | | |
| 37 | 7391 | 39.92 | 114 | 2.30 | | |
| 43 | 6371 | 34.41 | 114 | 2.70 | | |
| 53 | 5177 | 27.96 | 114 | 3.30 | | |
| 62 | 4390 | 23.71 | 114 | 3.90 | | |
| 18 | 15455 | 83.47 | 31 | 0.80 | **GR147 GRF147** | **4P** |
| 20 | 13348 | 72.09 | 57 | 0.95 | | |
| 22 | 12403 | 66.99 | 59 | 1.00 | | |
| 24 | 11311 | 61.09 | 61 | 1.10 | | |
| 28 | 9789 | 52.87 | 64 | 1.25 | | |
| 32 | 8637 | 46.65 | 66 | 1.45 | | |
| 36 | 7460 | 40.29 | 67 | 1.65 | | |
| 41 | 6599 | 35.64 | 68 | 1.85 | | |
| 49 | 5545 | 29.95 | 69 | 2.20 | | |
| 61 | 4479 | 24.19 | 69 | 2.50 | | |
| 72 | 3785 | 20.44 | 70 | 3.00 | **GR147 GRF147** | **4P** |
| 81 | 3340 | 18.04 | 70 | 3.00 | | |
| 94 | 2896 | 15.64 | 70 | 4.30 | | |
| 29 | 9417 | 50.86 | 34 | 0.80 | **GR137 GRF137** | **4P** |
| 33 | 8219 | 44.39 | 49 | 0.90 | | |
| 39 | 6971 | 37.65 | 52 | 1.10 | | |
| 45 | 6093 | 32.91 | 54 | 1.25 | | |
| 53 | 5153 | 27.83 | 55 | 1.40 | | |
| 61 | 4466 | 24.12 | 56 | 1.70 | **GR137 GRF137** | **4P** |
| 67 | 4073 | 22.00 | 56 | 1.85 | | |
| 77 | 3525 | 19.04 | 57 | 2.20 | | |
| 88 | 3111 | 16.80 | 57 | 2.40 | | |
| 101 | 2687 | 14.51 | 57 | 2.80 | | |
| 115 | 2376 | 12.83 | 55 | 3.20 | | |
| 136 | 1998 | 10.79 | 54 | 3.80 | | |
| 194 | 1405 | 7.59 | 51 | 3.50 | | |
| 230 | 1181 | 6.38 | 49 | 4.10 | | |
| 73 | 3716 | 20.07 | 17 | 1.10 | **GR107 GRF107** | **4P** |
| 81 | 3372 | 18.21 | 17 | 1.20 | | |
| 94 | 2898 | 15.65 | 16 | 1.40 | | |
| 108 | 2529 | 13.66 | 16 | 1.60 | | |
| 127 | 2146 | 11.59 | 15 | 1.90 | | |
| 145 | 1876 | 10.13 | 15 | 2.20 | | |
| 172 | 1585 | 8.56 | 15 | 2.60 | | |
| 187 | 1455 | 7.86 | 15 | 1.95 | | |
| 221 | 1233 | 6.66 | 14 | 2.30 | | |
| 253 | 1078 | 5.82 | 14 | 2.60 | | |
| 299 | 911 | 4.92 | 13 | 3.00 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **30kW** | | | | | | |
| 101 | 2707 | 14.62 | 11 | 0.80 | **GR97 GRF97** | **4P** |
| 119 | 2294 | 12.39 | 11 | 0.90 | | |
| 136 | 2005 | 10.83 | 11 | 1.00 | | |
| 158 | 1720 | 9.29 | 12 | 1.10 | | |
| 175 | 1553 | 8.39 | 11 | 1.25 | | |
| 206 | 1318 | 7.12 | 11 | 1.45 | | |
| 237 | 1150 | 6.21 | 11 | 1.55 | | |
| 283 | 963 | 5.20 | 10 | 1.75 | | |
| 327 | 833 | 4.50 | 10 | 1.85 | | |
| 374 | 760 | 3.93 | 5.9 | 1.80 | **GRX137 GRXF137** | **4P** |
| 432 | 694 | 3.40 | 5.9 | 2.10 | | |
| 490 | 604 | 3.00 | 6.5 | 2.50 | | |
| 568 | 532 | 2.59 | 6.9 | 2.60 | | |
| 642 | 452 | 2.29 | 5.9 | 2.70 | | |
| 762 | 398 | 1.93 | 6.0 | 3.00 | | |
| 435 | 642 | 3.38 | 6.1 | 1.25 | **GRX107 GRXF107** | **4P** |
| 479 | 583 | 3.07 | 6.0 | 1.40 | | |
| 557 | 502 | 2.64 | 5.9 | 1.60 | | |
| 639 | 437 | 2.30 | 5.7 | 1.85 | | |
| 754 | 371 | 1.95 | 5.6 | 2.00 | | |
| 860 | 325 | 1.71 | 5.4 | 2.10 | | |
| 1021 | 274 | 1.44 | 5.2 | 2.30 | | |
| 503 | 555 | 2.92 | 3.0 | 1.05 | **GRX97 GRXF97** | **4P** |
| 557 | 502 | 2.64 | 3.4 | 1.15 | | |
| 656 | 426 | 2.24 | 3.8 | 1.35 | | |
| 750 | 373 | 1.96 | 4.2 | 1.50 | | |
| 896 | 312 | 1.64 | 4.4 | 1.60 | | |
| 1035 | 270 | 1.42 | 4.2 | 1.65 | | |
| **37kW** | | | | | | |
| 7.4 | 43094 | 200 | 128 | 0.85 | **GR177R107 GRF177R107** | **4P** |
| 8.8 | 36415 | 169 | 128 | 1.0 | | |
| 8.3 | 40348 | 177.89 | 128 | 0.85 | **GR177 GRF177** | **4P** |
| 9.6 | 35147 | 154.96 | 128 | 0.95 | | |
| 10.8 | 31141 | 137.30 | 128 | 1.05 | | |
| 12.3 | 27186 | 119.86 | 128 | 1.35 | | |
| 13.8 | 24305 | 107.16 | 128 | 1.50 | | |
| 16.2 | 20785 | 91.64 | 128 | 1.70 | | |
| 19.5 | 17229 | 75.96 | 128 | 1.95 | | |
| 22.1 | 15201 | 67.02 | 128 | 2.40 | | |
| 25.8 | 13001 | 57.32 | 128 | 2.70 | | |
| 31.2 | 10776 | 47.51 | 128 | 3.15 | | |
| 36.3 | 9236 | 40.72 | 128 | 3.85 | | |
| 44.6 | 7526 | 33.18 | 128 | 4.50 | | |
| 16 | 21137 | 93.19 | 114 | 0.80 | **GR167 GRF167** | **4P** |
| 18 | 18805 | 82.91 | 114 | 0.90 | | |
| 20 | 16716 | 73.70 | 114 | 1.00 | | |
| 22 | 15287 | 67.40 | 114 | 1.10 | | |
| 25 | 13303 | 58.65 | 114 | 1.30 | | |
| 29 | 11740 | 51.76 | 114 | 1.45 | | |
| 33 | 10177 | 44.87 | 114 | 1.65 | | |
| 37 | 9054 | 39.92 | 114 | 1.90 | | |
| 43 | 7805 | 34.41 | 114 | 2.20 | | |
| 53 | 6342 | 27.96 | 114 | 2.70 | | |
| 48 | 6965 | 30.71 | 114 | 1.35 | **GR167 GRF167** | **4P** |
| 60 | 5573 | 24.57 | 114 | 2.40 | | |
| 68 | 4956 | 21.85 | 114 | 2.50 | | |
| 78 | 4316 | 19.03 | 114 | 3.50 | | |
| 87 | 3851 | 16.98 | 114 | 3.70 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **37kW** | | | | | | |
| 22 | 15194 | 66.99 | 33 | 0.80 | **GR147 GRF147** | **4P** |
| 24 | 13856 | 61.09 | 51 | 0.90 | | |
| 28 | 11992 | 52.87 | 60 | 1.00 | | |
| 32 | 10581 | 46.65 | 63 | 1.15 | | |
| 37 | 9138 | 40.29 | 65 | 1.35 | | |
| 42 | 8084 | 35.64 | 66 | 1.50 | | |
| 49 | 6793 | 29.95 | 68 | 1.80 | | |
| 61 | 5487 | 24.19 | 69 | 2.00 | | |
| 72 | 4636 | 20.44 | 69 | 2.40 | **GR147 GRF147** | **4P** |
| 82 | 4092 | 18.04 | 70 | 2.40 | | |
| 95 | 3547 | 15.64 | 70 | 3.50 | | |
| 106 | 3155 | 13.91 | 70 | 3.80 | | |
| 39 | 8539 | 37.65 | 47 | 0.90 | **GR137 GRF137** | **4P** |
| 45 | 7464 | 32.91 | 51 | 1.00 | | |
| 53 | 6312 | 27.83 | 53 | 1.15 | | |
| 61 | 5471 | 24.12 | 54 | 1.40 | **GR137 GRF137** | **4P** |
| 67 | 4990 | 22.00 | 55 | 1.50 | | |
| 78 | 4319 | 19.04 | 55 | 1.75 | | |
| 88 | 3810 | 16.80 | 54 | 2.00 | | |
| 102 | 3291 | 14.51 | 54 | 2.30 | | |
| 115 | 2910 | 12.83 | 53 | 2.60 | | |
| 137 | 2447 | 10.79 | 52 | 3.10 | | |
| 170 | 1976 | 8.71 | 50 | 3.70 | | |
| 195 | 1722 | 7.59 | 49 | 2.80 | | |
| 232 | 1447 | 6.38 | 48 | 3.30 | | |
| 287 | 1168 | 5.15 | 45 | 3.70 | | |
| 74 | 4552 | 20.07 | 15 | 0.90 | **GR107 GRF107** | **4P** |
| 81 | 4130 | 18.21 | 15 | 1.00 | | |
| 95 | 3550 | 15.65 | 15 | 1.15 | | |
| 108 | 3098 | 13.66 | 15 | 1.30 | | |
| 128 | 2629 | 11.59 | 15 | 1.55 | | |
| 146 | 2298 | 10.13 | 14 | 1.75 | | |
| 173 | 1942 | 8.56 | 14 | 2.10 | | |
| 188 | 1783 | 7.86 | 14 | 1.55 | | |
| 222 | 1511 | 6.66 | 14 | 1.85 | | |
| 254 | 1320 | 5.82 | 13 | 2.10 | | |
| 301 | 1116 | 4.92 | 13 | 2.50 | | |
| 377 | 915 | 3.93 | 5.9 | 1.45 | **GRX137 GRXF137** | **4P** |
| 435 | 792 | 3.40 | 5.9 | 1.70 | | |
| 493 | 698 | 3.00 | 6.5 | 2.00 | | |
| 571 | 603 | 2.59 | 6.9 | 2.15 | | |
| 646 | 533 | 2.29 | 5.9 | 2.20 | | |
| 767 | 449 | 1.93 | 6.0 | 2.45 | | |
| 438 | 787 | 3.38 | 4.2 | 1.00 | **GRX107 GRXF107** | **4P** |
| 482 | 715 | 3.07 | 4.7 | 1.10 | | |
| 561 | 615 | 2.64 | 5.3 | 1.30 | | |
| 643 | 536 | 2.30 | 5.3 | 1.50 | | |
| 759 | 454 | 1.95 | 5.2 | 1.65 | | |
| 865 | 398 | 1.71 | 5.1 | 1.70 | | |
| 1028 | 335 | 1.44 | 5.0 | 1.85 | | |
| **45kW** | | | | | | |
| 11 | 37875 | 137.30 | 128 | 0.85 | **GR177 GRF177** | **4P** |
| 12 | 33064 | 119.86 | 128 | 1.10 | | |
| 14 | 29560 | 107.16 | 128 | 1.25 | | |
| 16 | 25279 | 91.64 | 128 | 1.40 | | |
| 19 | 20954 | 75.96 | 128 | 1.60 | | |
| 22 | 18488 | 67.02 | 128 | 2.00 | | |
| 26 | 15812 | 57.32 | 128 | 2.20 | | |
| 31 | 13106 | 47.51 | 128 | 2.60 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **45kW** | | | | | | |
| 36 | 11233 | 40.72 | 128 | 3.15 | **GR177 GRF177** | **4P** |
| 45 | 9153 | 33.18 | 128 | 3.70 | | |
| 50 | 8251 | 29.60 | 116 | 2.25 | **GR177 GRF177** | **4P** |
| 58 | 7164 | 25.70 | 116 | 2.60 | | |
| 63 | 6501 | 23.32 | 105 | 3.25 | | |
| 74 | 5600 | 20.09 | 105 | 4.35 | | |
| 20 | 20330 | 73.70 | 114 | 0.85 | **GR167 GRF167** | **4P** |
| 22 | 18592 | 67.40 | 114 | 0.90 | | |
| 25 | 16179 | 58.65 | 114 | 1.05 | | |
| 29 | 14278 | 51.76 | 114 | 1.20 | | |
| 33 | 12378 | 44.87 | 114 | 1.35 | | |
| 37 | 11012 | 39.92 | 114 | 1.55 | | |
| 43 | 9492 | 34.41 | 114 | 1.80 | | |
| 53 | 7713 | 27.96 | 114 | 2.20 | | |
| 62 | 6540 | 23.71 | 114 | 2.60 | | |
| 48 | 8471 | 30.71 | 114 | 1.10 | **GR167 GRF167** | **4P** |
| 60 | 6778 | 24.57 | 114 | 1.95 | | |
| 68 | 6027 | 21.85 | 114 | 2.00 | | |
| 78 | 5249 | 19.03 | 114 | 2.90 | | |
| 87 | 4684 | 16.98 | 114 | 3.00 | | |
| 102 | 3994 | 14.48 | 114 | 3.50 | | |
| 28 | 14584 | 52.87 | 42 | 0.85 | **GR147 GRF147** | **4P** |
| 32 | 12869 | 46.65 | 58 | 0.95 | | |
| 37 | 11114 | 40.29 | 62 | 1.10 | | |
| 42 | 9831 | 35.64 | 64 | 1.25 | | |
| 49 | 8262 | 29.95 | 66 | 1.50 | | |
| 61 | 6673 | 24.19 | 69 | 1.70 | | |
| 72 | 5638 | 20.44 | 69 | 2.00 | **GR147 GRF147** | **4P** |
| 82 | 4976 | 18.04 | 69 | 2.00 | | |
| 95 | 4314 | 15.64 | 70 | 2.80 | | |
| 106 | 3837 | 13.91 | 70 | 3.10 | | |
| 123 | 3307 | 11.99 | 70 | 3.70 | | |
| 204 | 2000 | 7.25 | 71 | 4.10 | | |
| 45 | 9078 | 32.91 | 40 | 0.85 | **GR137 GRF137** | **4P** |
| 53 | 7677 | 27.83 | 49 | 0.95 | | |
| 61 | 6654 | 24.12 | 50 | 1.15 | **GR137 GRF137** | **4P** |
| 67 | 6069 | 22.00 | 51 | 1.25 | | |
| 78 | 5252 | 19.04 | 51 | 1.45 | | |
| 88 | 4634 | 16.80 | 51 | 1.65 | | |
| 102 | 4003 | 14.51 | 51 | 1.90 | | |
| 115 | 3539 | 12.83 | 50 | 2.10 | | |
| 137 | 2976 | 10.79 | 49 | 2.50 | | |
| 170 | 2403 | 8.71 | 48 | 3.10 | | |
| 195 | 2094 | 7.59 | 48 | 2.30 | | |
| 232 | 1760 | 6.38 | 46 | 2.70 | | |
| 287 | 1421 | 5.15 | 44 | 3.00 | | |
| 95 | 4317 | 15.65 | 14 | 0.95 | **GR107 GRF107** | **4P** |
| 108 | 3768 | 13.66 | 14 | 1.10 | | |
| 128 | 3197 | 11.59 | 14 | 1.25 | | |
| 146 | 2794 | 10.13 | 14 | 1.45 | | |
| 173 | 2361 | 8.56 | 13 | 1.70 | | |
| 188 | 2168 | 7.86 | 14 | 1.30 | | |
| 222 | 1837 | 6.66 | 13 | 1.50 | | |
| 254 | 1605 | 5.82 | 13 | 1.75 | | |
| 301 | 1357 | 4.92 | 12 | 2.00 | | |
| 377 | 1113 | 3.93 | 5.9 | 1.20 | **GRX137 GRXF137** | **4P** |
| 435 | 963 | 3.40 | 5.9 | 1.40 | | |
| 493 | 850 | 3.00 | 6.5 | 1.65 | | |
| 571 | 733 | 2.59 | 6.9 | 1.75 | | |
| 646 | 648 | 2.29 | 5.9 | 1.80 | | |
| 767 | 547 | 1.93 | 6.0 | 2.00 | | |

R

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **45kW** | | | | | | |
| 438 | 957 | 3.38 | 1.3 | 0.85 | GRX107 GRXF107 | 4P |
| 482 | 869 | 3.07 | 3.5 | 0.90 | | |
| 561 | 748 | 2.64 | 2.8 | 1.10 | | |
| 643 | 651 | 2.30 | 3.5 | 1.25 | | |
| 759 | 552 | 1.95 | 4.0 | 1.35 | | |
| 865 | 484 | 1.71 | 4.3 | 1.40 | | |
| 1028 | 408 | 1.44 | 4.6 | 1.55 | | |
| **55kW** | | | | | | |
| 12 | 40411 | 119.86 | 128 | 0.90 | GR177 GRF177 | 4P |
| 14 | 36129 | 107.16 | 128 | 1.00 | | |
| 16 | 30897 | 91.64 | 128 | 1.15 | | |
| 19 | 25610 | 75.96 | 128 | 1.30 | | |
| 22 | 22596 | 67.02 | 128 | 1.60 | | |
| 26 | 19326 | 57.32 | 128 | 1.80 | | |
| 31 | 16018 | 47.51 | 128 | 2.10 | | |
| 36 | 13729 | 40.72 | 128 | 2.60 | | |
| 45 | 11187 | 33.18 | 128 | 3.00 | | |
| 58 | 8756 | 25.70 | 116 | 2.15 | GR177 GRF177 | 4P |
| 63 | 7945 | 23.32 | 116 | 2.65 | | |
| 74 | 6845 | 20.09 | 105 | 3.55 | | |
| 88 | 5751 | 16.88 | 105 | 4.70 | | |
| 25 | 19774 | 58.65 | 114 | 0.85 | GR167 GRF167 | 4P |
| 29 | 17451 | 51.76 | 114 | 1.00 | | |
| 33 | 15128 | 44.87 | 114 | 1.15 | | |
| 37 | 13459 | 39.92 | 114 | 1.25 | | |
| 43 | 11601 | 34.41 | 114 | 1.45 | | |
| 53 | 9427 | 27.96 | 114 | 1.80 | | |
| 62 | 7994 | 23.71 | 114 | 2.10 | | |
| 60 | 8284 | 24.57 | 114 | 1.60 | GR167 GRF167 | 4P |
| 68 | 7367 | 21.85 | 114 | 1.65 | | |
| 78 | 6416 | 19.03 | 114 | 2.40 | | |
| 87 | 5725 | 16.98 | 114 | 2.50 | | |
| 102 | 4882 | 14.48 | 114 | 3.50 | | |
| 123 | 4042 | 11.99 | 114 | 4.00 | | |
| 32 | 15728 | 46.65 | 25 | 0.80 | GR147 GRF147 | 4P |
| 37 | 13584 | 40.29 | 55 | 0.90 | | |
| 42 | 12016 | 35.64 | 60 | 1.00 | | |
| 49 | 10098 | 29.95 | 63 | 1.20 | | |
| 61 | 8156 | 24.19 | 66 | 1.40 | | |
| 72 | 6891 | 20.44 | 68 | 1.65 | GR147 GRF147 | 4P |
| 82 | 6082 | 18.04 | 68 | 1.65 | | |
| 95 | 5273 | 15.64 | 69 | 2.30 | | |
| 106 | 4690 | 13.91 | 69 | 2.50 | | |
| 123 | 4042 | 11.99 | 70 | 3.00 | | |
| 152 | 3284 | 9.74 | 70 | 3.80 | | |
| 204 | 2444 | 7.25 | 70 | 3.40 | | |
| 251 | 1986 | 5.89 | 69 | 4.10 | | |
| 78 | 6419 | 19.04 | 45 | 1.20 | GR137 GRF137 | 4P |
| 88 | 5664 | 16.80 | 46 | 1.35 | | |
| 102 | 4892 | 14.51 | 46 | 1.55 | | |
| 115 | 4326 | 12.83 | 47 | 1.75 | | |
| 137 | 3638 | 10.79 | 46 | 2.10 | | |
| 170 | 2937 | 8.71 | 46 | 2.50 | | |
| 195 | 2559 | 7.59 | 46 | 1.90 | | |
| 232 | 2151 | 6.38 | 45 | 2.20 | | |
| 287 | 1736 | 5.15 | 43 | 2.50 | | |
| 493 | 1038 | 3.00 | 6.5 | 1.35 | GRX137 GRXF137 | 4P |
| 571 | 896 | 2.59 | 6.9 | 1.45 | | |
| 646 | 793 | 2.29 | 5.9 | 1.50 | | |
| 767 | 668 | 1.93 | 6.0 | 1.65 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **75kW** | | | | | | |
| 16 | 42132 | 91.64 | 128 | 0.85 | GR177 GRF177 | 4P |
| 19 | 34923 | 75.96 | 128 | 0.95 | | |
| 22 | 30813 | 67.02 | 128 | 1.20 | | |
| 26 | 26353 | 57.32 | 128 | 1.35 | | |
| 31 | 21843 | 47.51 | 128 | 1.55 | | |
| 36 | 18721 | 40.72 | 128 | 1.90 | | |
| 45 | 15255 | 33.18 | 128 | 2.20 | | |
| 58 | 11940 | 25.70 | 116 | 1.55 | GR177 GRF177 | 4P |
| 63 | 10834 | 23.32 | 116 | 1.95 | | |
| 74 | 9334 | 20.09 | 105 | 2.60 | | |
| 88 | 7842 | 16.88 | 105 | 3.45 | | |
| 101 | 6792 | 14.62 | 105 | 3.75 | | |
| 33 | 20629 | 44.87 | 114 | 0.85 | GR167 GRF167 | 4P |
| 37 | 18353 | 39.92 | 114 | 0.95 | | |
| 43 | 15820 | 34.41 | 114 | 1.10 | | |
| 53 | 12855 | 27.96 | 114 | 1.35 | | |
| 62 | 10901 | 23.71 | 114 | 1.55 | | |
| 60 | 11296 | 24.57 | 114 | 1.20 | GR167 GRF167 | 4P |
| 68 | 10046 | 21.85 | 114 | 1.25 | | |
| 78 | 8749 | 19.03 | 114 | 1.75 | | |
| 87 | 7807 | 16.98 | 114 | 1.85 | | |
| 102 | 6657 | 14.48 | 114 | 2.60 | | |
| 123 | 5512 | 11.99 | 111 | 2.90 | | |
| 145 | 4708 | 10.24 | 107 | 3.40 | | |
| 49 | 13770 | 29.95 | 54 | 0.90 | GR147 GRF147 | 4P |
| 61 | 11121 | 24.19 | 62 | 1.00 | | |
| 72 | 9397 | 20.44 | 65 | 1.20 | GR147 GRF147 | 4P |
| 82 | 8294 | 18.04 | 66 | 1.20 | | |
| 95 | 7191 | 15.64 | 67 | 1.70 | | |
| 106 | 6395 | 13.91 | 68 | 1.85 | | |
| 123 | 5512 | 11.99 | 69 | 2.20 | | |
| 152 | 4478 | 9.74 | 69 | 2.80 | | |
| 179 | 3798 | 8.26 | 70 | 3.20 | | |
| 204 | 3333 | 7.25 | 69 | 2.50 | | |
| 251 | 2708 | 5.89 | 67 | 3.00 | | |
| 296 | 2299 | 5.00 | 64 | 3.60 | | |
| **90kW** | | | | | | |
| 20 | 41626 | 75.96 | 128 | 0.80 | GR177 GRF177 | 4P |
| 22 | 36727 | 67.02 | 128 | 1.00 | | |
| 26 | 31412 | 57.32 | 128 | 1.10 | | |
| 31 | 26036 | 47.51 | 128 | 1.30 | | |
| 37 | 22315 | 40.72 | 128 | 1.60 | | |
| 45 | 18183 | 33.18 | 128 | 1.85 | | |
| 64 | 12914 | 23.32 | 116 | 1.60 | GR177 GRF177 | 4P |
| 74 | 11125 | 20.09 | 116 | 2.20 | | |
| 88 | 9348 | 16.88 | 105 | 2.90 | | |
| 102 | 8096 | 14.62 | 105 | 3.10 | | |
| 122 | 6745 | 12.18 | 98 | 4.45 | | |
| 37 | 21876 | 39.92 | 114 | 0.80 | GR167 GRF167 | 4P |
| 43 | 18857 | 34.41 | 114 | 0.90 | | |
| 53 | 15322 | 27.96 | 114 | 1.10 | | |
| 63 | 12993 | 23.71 | 114 | 1.30 | | |
| 61 | 13464 | 24.57 | 114 | 1.00 | GR167 GRF167 | 4P |
| 68 | 11974 | 21.85 | 114 | 1.00 | | |
| 78 | 10429 | 19.03 | 114 | 1.45 | | |
| 88 | 9305 | 16.98 | 114 | 1.50 | | |
| 103 | 7935 | 14.48 | 111 | 2.10 | | |
| 124 | 6571 | 11.99 | 108 | 2.40 | | |
| 146 | 5612 | 10.24 | 105 | 2.90 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **90kW** | | | | | | |
| 73 | 11201 | 20.44 | 62 | 1.00 | | |
| 83 | 9886 | 18.04 | 64 | 1.00 | | |
| 95 | 8571 | 15.64 | 66 | 1.45 | | |
| 107 | 7623 | 13.91 | 67 | 1.55 | | |
| 124 | 6571 | 11.99 | 68 | 1.85 | **GR147** | |
| 153 | 5338 | 9.74 | 69 | 2.30 | **GRF147** | **4P** |
| 180 | 4527 | 8.26 | 69 | 2.70 | | |
| 206 | 3973 | 7.25 | 67 | 2.10 | | |
| 253 | 3228 | 5.89 | 65 | 2.50 | | |
| 296 | 2740 | 5.00 | 63 | 3.00 | | |
| **110kW** | | | | | | |
| 26 | 38392 | 57.32 | 128 | 0.90 | | |
| 31 | 31821 | 47.51 | 128 | 1.05 | **GR177** | |
| 37 | 27274 | 40.72 | 128 | 1.30 | **GRF177** | **4P** |
| 45 | 22223 | 33.18 | 128 | 1.50 | | |
| 64 | 15784 | 23.32 | 116 | 1.35 | | |
| 74 | 13598 | 20.09 | 116 | 1.80 | | |
| 88 | 11425 | 16.88 | 105 | 2.35 | **GR177** | |
| 102 | 9895 | 14.62 | 105 | 2.55 | **GRF177** | **4P** |
| 122 | 8244 | 12.18 | 98 | 3.70 | | |
| 148 | 7026 | 10.38 | 85 | 5.10 | | |
| 53 | 18727 | 27.96 | 111 | 0.90 | **GR167** | |
| 63 | 15881 | 23.71 | 111 | 1.05 | **GRF167** | **4P** |
| **110kW** | | | | | | |
| 78 | 12746 | 19.03 | 110 | 1.20 | | |
| 88 | 11373 | 16.98 | 109 | 1.25 | **GR167** | |
| 103 | 9698 | 14.48 | 107 | 1.75 | **GRF167** | **4P** |
| 124 | 8031 | 11.99 | 104 | 2.00 | | |
| 146 | 6859 | 10.24 | 101 | 2.30 | | |
| **132kW** | | | | | | |
| 31 | 38186 | 47.51 | 128 | 0.90 | **GR177** | |
| 37 | 32728 | 40.72 | 128 | 1.05 | **GRF177** | **4P** |
| 45 | 26668 | 33.18 | 128 | 1.25 | | |
| 74 | 16317 | 20.09 | 116 | 1.50 | | |
| 88 | 13710 | 16.88 | 116 | 1.95 | **GR177** | |
| 102 | 11874 | 14.62 | 105 | 2.10 | **GRF177** | **4P** |
| 122 | 9893 | 12.18 | 98 | 3.05 | | |
| 144 | 8431 | 10.38 | 85 | 4.25 | | |
| **160kW** | | | | | | |
| 88 | 13710 | 16.88 | 116 | 1.60 | | |
| 102 | 11874 | 14.62 | 105 | 1.75 | **GR177** | |
| 122 | 9893 | 12.18 | 98 | 2.50 | **GRF177** | **4P** |
| 144 | 8431 | 10.38 | 85 | 3.50 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 130 | 0.16 | 8612 | 4 | | |
| | 0.19 | 7425 | 4 | | |
| | 0.20 | 6921 | 4 | | |
| | 0.23 | 6050 | 4 | | |
| | 0.27 | 5217 | 4 | | |
| | 0.30 | 4661 | 4 | GR27R17 GRF27R17 | 0.12 |
| | 0.34 | 4073 | 4 | | |
| | 0.40 | 3516 | 4 | | |
| | 0.44 | 3160 | 4 | | |
| | 0.50 | 2763 | 4 | | |
| | 0.58 | 2414 | 4 | | |
| | 0.66 | 2110 | 4 | | |
| | 0.76 | 1822 | 4 | | |
| | 0.88 | 1580 | 4 | | |
| | 0.95 | 1464 | 4 | | |
| | 1.1 | 1270 | 4 | | |
| | 1.3 | 1100 | 4 | | |
| | 1.4 | 972 | 4 | | |
| | 1.7 | 840 | 4 | | |
| | 1.9 | 741 | 4 | | |
| | 2.1 | 654 | 4 | GR27R17 GRF27R17 | 0.12 |
| | 2.5 | 566 | 4 | | |
| | 2.8 | 499 | 4 | | |
| | 3.2 | 440 | 4 | | |
| | 3.6 | 381 | 4 | | |
| | 4.2 | 329 | 4 | | |
| | 4.8 | 290 | 4 | | |
| | 5.4 | 256 | 4 | | |
| | 6.1 | 227 | 4 | | |
| | 6.8 | 203 | 4 | | |
| | 7.8 | 179 | 4 | | |
| | 8.9 | 156 | 4 | GR27R17 GRF27R17 | 0.18 |
| | 10 | 135 | 4 | | |
| | 12 | 118 | 4 | | |
| | 13 | 104 | 4 | GR27R17 GRF27R17 | 0.25 |
| | 15 | 90 | 4 | | |
| 200 | 0.16 | 8595 | 4.7 | | |
| | 0.19 | 7411 | 4.7 | | |
| | 0.20 | 6907 | 4.7 | | |
| | 0.23 | 6038 | 4.7 | | |
| | 0.27 | 5206 | 4.7 | | |
| | 0.30 | 4651 | 4.7 | | |
| | 0.34 | 4065 | 4.7 | | |
| | 0.38 | 3658 | 4.7 | | |
| | 0.44 | 3154 | 4.7 | | |
| | 0.50 | 2757 | 4.7 | | |
| | 0.58 | 2409 | 4.7 | GR37R17 GRF37R17 | 0.12 |
| | 0.66 | 2106 | 4.7 | | |
| | 0.76 | 1818 | 4.7 | | |
| | 0.88 | 1576 | 4.7 | | |
| | 1.0 | 1359 | 4.7 | | |
| | 1.1 | 1267 | 4.7 | | |
| | 1.3 | 1098 | 4.7 | | |
| | 1.4 | 970 | 4.7 | | |
| | 1.7 | 839 | 4.7 | | |
| | 1.9 | 740 | 4.7 | | |
| | 2.1 | 653 | 4.7 | | |
| | 2.4 | 577 | 4.7 | | |
| | 2.8 | 498 | 4.7 | | |
| | 3.2 | 439 | 4.7 | GR37R17 GRF37R17 | 0.12 |
| | 3.7 | 378 | 4.7 | | |
| | 4.2 | 328 | 4.7 | | |
| 200 | 4.8 | 289 | 4.7 | GR37R17 GRF37R17 | 0.18 |
| | 5.2 | 265 | 4.7 | | |
| | 6.2 | 226 | 4.7 | | |
| | 6.9 | 202 | 4.7 | | |
| | 7.8 | 179 | 4.7 | GR37R17 GRF37R17 | 0.25 |
| | 8.9 | 156 | 4.7 | | |
| | 10 | 135 | 4.7 | | |
| | 11 | 127 | 4.7 | | |
| | 13 | 104 | 4.7 | GR37R17 GRF37R17 | 0.37 |
| | 15 | 90 | 4.7 | | |
| 300 | 0.10 | 13598 | 5.1 | | |
| | 0.11 | 12472 | 5.1 | | |
| | 0.13 | 10619 | 5.1 | | |
| | 0.15 | 9155 | 5.1 | | |
| | 0.16 | 8534 | 5.1 | | |
| | 0.19 | 7460 | 5.1 | | |
| | 0.20 | 6993 | 5.1 | | |
| | 0.23 | 6171 | 5.1 | GR47R37 GRF47R37 | 0.12 |
| | 0.25 | 5624 | 5.1 | | |
| | 0.29 | 4849 | 5.1 | | |
| | 0.31 | 4520 | 5.1 | | |
| | 0.35 | 3951 | 5.1 | | |
| | 0.38 | 3704 | 5.1 | | |
| | 0.43 | 3268 | 5.1 | | |
| | 0.48 | 2898 | 5.1 | | |
| | 0.56 | 2463 | 5.1 | | |
| | 0.54 | 2598 | 5.1 | | |
| | 0.58 | 2383 | 5.1 | | |
| | 0.69 | 2029 | 5.1 | | |
| | 0.79 | 1749 | 5.1 | | |
| | 0.85 | 1630 | 5.1 | | |
| | 0.98 | 1425 | 5.1 | GR47R37 GRF47R37 | 0.12 |
| | 1.0 | 1336 | 5.1 | | |
| | 1.2 | 1179 | 5.1 | | |
| | 1.3 | 1074 | 5.1 | | |
| | 1.5 | 927 | 5.1 | | |
| | 1.6 | 863 | 5.1 | | |
| | 1.8 | 755 | 5.1 | | |
| | 2.5 | 546 | 5.1 | GR47R37 GRF47R37 | 0.12 |
| | 2.8 | 502 | 5.1 | | |
| | 3.2 | 429 | 5.1 | GR47R37 GRF47R37 | 0.18 |
| | 3.7 | 372 | 5.1 | | |
| | 4.0 | 348 | 5.1 | | |
| | 4.6 | 301 | 5.1 | | |
| | 5.5 | 255 | 5.1 | GR47R37 GRF47R37 | 0.25 |
| | 6.1 | 228 | 5.1 | | |
| 450 | 0.10 | 14369 | 6.7 | | |
| | 0.11 | 12095 | 6.7 | | |
| | 0.13 | 10860 | 6.7 | | |
| | 0.15 | 9445 | 6.7 | | |
| | 0.16 | 8480 | 6.7 | | |
| | 0.19 | 7312 | 6.7 | | |
| | 0.21 | 6521 | 6.7 | | |
| | 0.25 | 5585 | 6.7 | GR57R37 GRF57R37 | 0.12 |
| | 0.28 | 4928 | 6.7 | | |
| | 0.32 | 4378 | 6.7 | | |
| | 0.36 | 3873 | 6.7 | | |
| | 0.42 | 3344 | 6.7 | | |
| | 0.48 | 2907 | 6.7 | | |
| | 0.54 | 2567 | 6.7 | | |
| | 0.62 | 2244 | 6.7 | | |
| | 0.71 | 1967 | 6.7 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 450 | 0.80 | 1732 | 6.7 | GR57R37 GRF57R37 | 0.12 |
| | 0.89 | 1555 | 6.7 | | |
| | 0.99 | 1399 | 6.7 | | |
| | 1.2 | 1189 | 6.7 | | |
| | 1.3 | 1034 | 6.7 | | |
| | 1.8 | 782 | 6.7 | | |
| | 2.1 | 678 | 6.7 | GR57R37 GRF57R37 | 0.18 |
| | 2.3 | 604 | 6.7 | | |
| | 2.6 | 537 | 6.7 | | |
| | 3.0 | 471 | 6.7 | | |
| | 3.9 | 357 | 6.7 | GR57R37 GRF57R37 | 0.25 |
| | 4.4 | 319 | 6.7 | | |
| | 5.1 | 273 | 6.7 | GR57R37 GRF57R37 | 0.37 |
| | 5.8 | 241 | 6.7 | | |
| 600 | 0.09 | 15361 | 7.2 | GR67R37 GRF67R37 | 0.12 |
| | 0.11 | 12931 | 7.2 | | |
| | 0.12 | 11996 | 7.2 | | |
| | 0.14 | 10097 | 7.2 | | |
| | 0.15 | 9066 | 7.2 | | |
| | 0.18 | 7816 | 7.2 | | |
| | 0.21 | 6732 | 7.2 | | |
| | 0.23 | 5970 | 7.2 | | |
| | 0.26 | 5268 | 7.2 | | |
| | 0.30 | 4680 | 7.2 | | |
| | 0.34 | 4136 | 7.2 | | |
| | 0.39 | 3566 | 7.2 | | |
| | 0.44 | 3125 | 7.2 | | |
| | 0.51 | 2745 | 7.2 | | |
| | 0.58 | 2403 | 7.2 | | |
| | 0.52 | 2682 | 7.2 | GR67R37 GRF67R37 | 0.12 |
| | 0.57 | 2460 | 7.2 | | |
| | 0.66 | 2094 | 7.2 | | |
| | 0.77 | 1805 | 7.2 | | |
| | 0.85 | 1629 | 7.2 | | |
| | 0.94 | 1471 | 7.2 | | |
| | 1.0 | 1379 | 7.2 | | |
| | 1.9 | 730 | 7.2 | GR67R37 GRF67R37 | 0.18 |
| | 2.4 | 571 | 7.2 | | |
| | 2.9 | 486 | 7.2 | GR67R37 GRF67R37 | 0.25 |
| | 0.84 | 1652 | 7.2 | GR67R37 GRF67R37 | 0.12 |
| | 0.97 | 1432 | 7.2 | | |
| | 1.1 | 1259 | 7.2 | | |
| | 1.3 | 1106 | 7.2 | GR67R37 GRF67R37 | 0.18 |
| | 1.7 | 836 | 7.2 | | |
| | 1.9 | 750 | 7.2 | | |
| | 2.2 | 646 | 7.2 | | |
| | 2.4 | 574 | 7.2 | | |
| | 2.8 | 495 | 7.2 | GR67R37 GRF67R37 | 0.25 |
| | 3.2 | 438 | 7.2 | | |
| | 3.6 | 388 | 7.2 | | |
| | 4.0 | 344 | 7.2 | GR67R37 GRF67R37 | 0.37 |
| | 4.7 | 294 | 7.2 | | |
| 820 | 0.08 | 16370 | 9.4 | GR77R37 GRF77R37 | 0.12 |
| | 0.09 | 15015 | 9.4 | | |
| | 0.10 | 13885 | 9.4 | | |
| | 0.11 | 12783 | 9.4 | | |
| | 0.13 | 11021 | 9.4 | | |
| | 0.14 | 9788 | 9.4 | | |

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 820 | 0.16 | 8714 | 9.4 | GR77R37 GRF77R37 | 0.12 |
| | 0.18 | 7617 | 9.4 | | |
| | 0.21 | 6770 | 9.4 | | |
| | 0.24 | 5838 | 9.4 | | |
| | 0.27 | 5184 | 9.4 | | |
| | 0.31 | 4470 | 9.4 | | |
| | 0.35 | 3999 | 9.4 | | |
| | 0.40 | 3488 | 9.4 | | |
| | 0.46 | 3053 | 9.4 | | |
| | 0.52 | 2671 | 9.4 | | |
| | 0.44 | 3151 | 9.4 | GR77R37 GRF77R37 | 0.12 |
| | 0.48 | 2890 | 9.4 | | |
| | 0.57 | 2460 | 9.4 | | |
| | 0.66 | 2121 | 9.4 | | |
| | 0.70 | 1977 | 9.4 | | |
| | 0.80 | 1728 | 9.4 | | |
| | 0.86 | 1620 | 9.4 | | |
| | 0.97 | 1430 | 9.4 | | |
| | 1.1 | 1303 | 9.4 | | |
| | 1.2 | 1124 | 9.4 | GR77R37 GRF77R37 | 0.18 |
| | 1.3 | 1047 | 9.4 | | |
| | 1.5 | 915 | 9.4 | | |
| | 1.6 | 858 | 9.4 | | |
| | 1.8 | 757 | 9.4 | | |
| | 2.1 | 671 | 9.4 | GR77R37 GRF77R37 | 0.25 |
| | 2.4 | 571 | 9.4 | | |
| | 2.5 | 560 | 9.4 | GR77R37 GRF77R37 | 0.25 |
| | 2.8 | 488 | 9.4 | GR77R37 GRF77R37 | 0.37 |
| | 3.2 | 436 | 9.4 | | |
| | 3.7 | 373 | 9.4 | | |
| | 4.3 | 327 | 9.4 | GR77R37 GRF77R37 | 0.55 |
| | 4.8 | 289 | 9.4 | | |
| | 5.3 | 260 | 9.4 | | |
| 1550 | 0.08 | 17527 | 16 | GR87R57 GRF87R57 | 0.12 |
| | 0.09 | 15375 | 16 | | |
| | 0.10 | 13872 | 16 | | |
| | 0.12 | 12076 | 16 | | |
| | 0.13 | 10594 | 16 | | |
| | 0.15 | 9283 | 16 | | |
| | 0.17 | 8144 | 16 | | |
| | 0.20 | 7069 | 16 | | |
| | 0.22 | 6201 | 16 | | |
| | 0.25 | 5473 | 16 | | |
| | 0.29 | 4852 | 16 | | |
| | 0.33 | 4224 | 16 | | |
| | 0.37 | 3761 | 16 | | |
| | 0.43 | 3247 | 16 | | |
| | 0.48 | 2885 | 16 | | |
| | 0.71 | 1969 | 16 | GR87R57 GRF87R57 | 0.18 |
| | 0.34 | 4037 | 16 | GR87R57 GRF87R57 | 0.12 |
| | 0.44 | 3195 | 16 | | |
| | 0.50 | 2781 | 16 | | |
| | 0.53 | 2606 | 16 | | |
| | 0.65 | 2138 | 16 | GR87R57 GRF87R57 | 0.18 |
| | 0.72 | 1938 | 16 | | |
| | 0.80 | 1740 | 16 | | |
| | 0.93 | 1495 | 16 | | |

R

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 1550 | 1 | 1401 | 16 | GR87R57 GRF87R57 | 0.25 |
| | 1.1 | 1237 | 16 | | |
| | 1.2 | 1150 | 16 | | |
| | 1.3 | 1042 | 16 | | |
| | 1.7 | 806 | 16 | GR87R57 GRF87R57 | 0.37 |
| | 1.8 | 758 | 16 | | |
| | 0.8 | 1744 | 16 | GR87R57 GRF87R57 | 0.18 |
| | 0.9 | 1530 | 16 | | |
| | 1.1 | 1308 | 16 | GR87R57 GRF87R57 | 0.25 |
| | 1.4 | 1012 | 16 | GR87R57 GRF87R57 | 0.55 |
| | 1.6 | 889 | 16 | GR87R57 GRF87R57 | 0.37 |
| | 2 | 688 | 16 | GR87R57 GRF87R57 | 0.55 |
| | 2.3 | 601 | 16 | | |
| | 3.5 | 399 | 16 | GR87R57 GRF87R57 | 0.75 |
| | 3.9 | 354 | 16 | | |
| | 4.6 | 306 | 16 | GR87R57 GRF87R57 | 1.1 |
| | 5.2 | 269 | 16 | | |
| | 2.6 | 540 | 16 | GR87R57 GRF87R57 | 0.55 |
| | 2.9 | 474 | 16 | | |
| | 3.5 | 402 | 16 | GR87R57 GRF87R57 | 0.75 |
| | 3.8 | 363 | 16 | | |
| | 4.7 | 301 | 16 | GR87R57 GRF87R57 | 1.1 |
| | 5.4 | 257 | 16 | | |
| 3000 | 0.06 | 21769 | 19 | GR97R57 GRF97R57 | 0.12 |
| | 0.07 | 19332 | 19 | | |
| | 0.08 | 17230 | 19 | | |
| | 0.09 | 14999 | 19 | | |
| | 0.1 | 13320 | 19 | | |
| | 0.12 | 11156 | 19 | | |
| | 0.14 | 10030 | 19 | | |
| | 0.16 | 8706 | 19 | | |
| | 0.18 | 7692 | 19 | | |
| | 0.21 | 6708 | 19 | | |
| | 0.23 | 5931 | 19 | | |
| | 0.27 | 5161 | 19 | | |
| | 0.35 | 4004 | 19 | GR97R57 GRF97R57 | 0.18 |
| | 0.4 | 3481 | 19 | | |
| | 0.3 | 4678 | 19 | GR97R57 GRF97R57 | 0.12 |
| | 0.32 | 4309 | 19 | GR97R57 GRF97R57 | 0.18 |
| | 0.38 | 3702 | 19 | | |
| | 0.46 | 3019 | 19 | | |
| | 0.52 | 2668 | 19 | GR97R57 GRF97R57 | 0.25 |
| | 0.62 | 2245 | 19 | | |
| | 0.69 | 2016 | 19 | | |
| | 0.8 | 1733 | 19 | GR97R57 GRF97R57 | 0.37 |
| | 0.86 | 1623 | 19 | | |
| | 0.97 | 1434 | 19 | | |
| | 1.2 | 1207 | 19 | GR97R57 GRF97R57 | 0.55 |
| | 1.3 | 1084 | 19 | | |
| | 1.5 | 934 | 19 | | |
| | 1.6 | 878 | 19 | | |
| 3000 | 1.8 | 755 | 19 | GR97R57 GRF97R57 | 0.75 |
| | 0.76 | 1823 | 19 | GR97R57 GRF97R57 | 0.37 |
| | 0.88 | 1583 | 19 | | |
| | 1 | 1396 | 19 | | |
| | 1.1 | 1228 | 19 | GR97R57 GRF97R57 | 0.55 |
| | 1.3 | 1069 | 19 | | |
| | 1.5 | 938 | 19 | | |
| | 1.7 | 824 | 19 | GR97R57 GRF97R57 | 0.75 |
| | 1.9 | 737 | 19 | | |
| | 2.2 | 632 | 19 | GR97R57 GRF97R57 | 1.1 |
| | 2.5 | 560 | 19 | | |
| | 2.9 | 484 | 19 | | |
| | 3.2 | 431 | 19 | GR97R57 GRF97R57 | 1.5 |
| | 3.7 | 379 | 19 | | |
| | 4.2 | 336 | 19 | | |
| | 4.8 | 296 | 19 | GR97R57 GRF97R57 | 2.2 |
| | 5.7 | 249 | 19 | | |
| | 6.1 | 234 | 19 | | |
| | 2.2 | 625 | 19 | GR97R57 GRF97R57 | 1.1 |
| | 2.6 | 549 | 19 | | |
| | 5.3 | 270 | 19 | GR97R57 GRF97R57 | 2.2 |
| | 6.3 | 227 | 19 | | |
| 4300 | 0.07 | 20018 | 28 | GR107R77 GRF107R77 | 0.12 |
| | 0.08 | 17080 | 28 | | |
| | 0.09 | 14936 | 28 | | |
| | 0.11 | 12829 | 28 | | |
| | 0.12 | 11256 | 28 | | |
| | 0.15 | 9547 | 28 | | |
| | 0.16 | 8618 | 28 | | |
| | 0.18 | 7583 | 28 | | |
| | 0.21 | 6743 | 28 | GR107R77 GRF107R77 | 0.18 |
| | 0.24 | 5914 | 28 | | |
| | 0.27 | 5168 | 28 | | |
| | 0.31 | 4435 | 28 | | |
| | 0.36 | 3896 | 28 | GR107R77 GRF107R77 | 0.25 |
| | 0.46 | 3039 | 28 | | |
| | 0.35 | 3918 | 28 | GR107R77 GRF107R77 | 0.18 |
| | 0.42 | 3343 | 28 | GR107R77 GRF107R77 | 0.25 |
| | 0.46 | 3034 | 28 | | |
| | 0.52 | 2653 | 28 | GR107R77 GRF107R77 | 0.37 |
| | 0.61 | 2280 | 28 | | |
| | 0.67 | 2067 | 28 | | |
| | 0.82 | 1693 | 28 | GR107R77 GRF107R77 | 0.55 |
| | 0.9 | 1550 | 28 | | |
| | 0.99 | 1407 | 28 | | |
| | 1.1 | 1209 | 28 | GR107R77 GRF107R77 | 0.75 |
| | 1.3 | 1055 | 28 | | |
| | 1.5 | 919 | 28 | GR107R77 GRF107R77 | 1.1 |
| | 1.7 | 815 | 28 | | |
| | 2 | 717 | 28 | | |
| | 2.2 | 626 | 28 | GR107R77 GRF107R77 | 1.5 |
| | 2.7 | 528 | 28 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 4300 | 0.7 | 1987 | 28 | GR107R77 GRF107R77 | 0.37 |
| | 0.76 | 1827 | 28 | GR107R77 GRF107R77 | 0.55 |
| | 0.87 | 1599 | 28 | | |
| | 0.99 | 1400 | 28 | | |
| | 1.1 | 1226 | 28 | GR107R77 GRF107R77 | 0.75 |
| | 1.3 | 1104 | 28 | | |
| | 1.5 | 939 | 28 | | |
| | 1.7 | 822 | 28 | GR107R77 GRF107R77 | 1.1 |
| | 2.3 | 614 | 28 | GR107R77 GRF107R77 | 1.5 |
| | 2.6 | 544 | 28 | | |
| | 2.8 | 492 | 28 | | |
| | 3.4 | 417 | 28 | GR107R77 GRF107R77 | 2.2 |
| | 3.8 | 369 | 28 | | |
| | 4.4 | 323 | 28 | | |
| | 5 | 285 | 28 | GR107R77 GRF107R77 | 3 |
| | 5.6 | 253 | 28 | | |
| | 6.7 | 214 | 28 | GR107R77 GRF107R77 | 4 |
| | 7.7 | 187 | 28 | | |
| | 3 | 469 | 28 | GR107R77 GRF107R77 | 1.5 |
| | 3.3 | 426 | 28 | GR107R77 GRF107R77 | 2.2 |
| | 3.8 | 377 | 28 | | |
| | 4.4 | 325 | 28 | | |
| | 5 | 284 | 28 | GR107R77 GRF107R77 | 3 |
| | 5.5 | 256 | 28 | | |
| | 6.5 | 220 | 28 | GR107R77 GRF107R77 | 4 |
| | 7.5 | 193 | 28 | | |
| | 8.4 | 172 | 28 | | |
| 8000 | 0.06 | 22203 | 51 | GR137R77 GRF137R77 | 0.12 |
| | 0.07 | 18945 | 51 | | |
| | 0.08 | 16566 | 51 | | |
| | 0.09 | 14777 | 51 | | |
| | 0.11 | 12921 | 51 | | |
| | 0.12 | 11712 | 51 | GR137R77 GRF137R77 | 0.18 |
| | 0.13 | 10573 | 51 | | |
| | 0.16 | 8784 | 51 | | |
| | 0.19 | 7479 | 51 | GR137R77 GRF137R77 | 0.25 |
| | 0.21 | 6559 | 51 | | |
| | 0.24 | 5834 | 51 | | |
| | 0.27 | 5116 | 51 | GR137R77 GRF137R77 | 0.37 |
| | 0.31 | 4464 | 51 | | |
| | 0.35 | 3928 | 51 | | |
| | 0.4 | 3454 | 51 | GR137R77 GRF137R77 | 0.55 |
| | 0.46 | 2993 | 51 | | |
| | 0.3 | 4709 | 51 | GR137R77 GRF137R77 | 0.37 |
| | 0.35 | 4018 | 51 | | |
| | 0.4 | 3514 | 51 | GR137R77 GRF137R77 | 0.55 |
| | 0.42 | 3338 | 51 | | |
| | 0.47 | 2929 | 51 | | |
| | 0.56 | 2484 | 51 | | |
| | 0.62 | 2242 | 51 | GR137R77 GRF137R77 | 0.75 |
| | 0.75 | 1863 | 51 | | |
| | 0.88 | 1586 | 51 | GR137R77 GRF137R77 | 1.1 |
| | 1 | 1391 | 51 | | |
| | 1.1 | 1256 | 51 | | |
| 8000 | 1.3 | 1105 | 51 | GR137R77 GRF137R77 | 1.5 |
| | 1.3 | 1043 | 51 | | |
| | 1.6 | 888 | 51 | | |
| | 2 | 699 | 51 | GR137R77 GRF137R77 | 2.2 |
| | 2.3 | 609 | 51 | | |
| | 0.52 | 2658 | 51 | GR137R77 GRF137R77 | 0.55 |
| | 0.58 | 2412 | 51 | | |
| | 0.67 | 2073 | 51 | GR137R77 GRF137R77 | 0.75 |
| | 0.76 | 1839 | 51 | | |
| | 0.88 | 1598 | 51 | GR137R77 GRF137R77 | 1.1 |
| | 1 | 1397 | 51 | | |
| | 1.1 | 1226 | 51 | | |
| | 1.3 | 1090 | 51 | GR137R77 GRF137R77 | 1.5 |
| | 1.5 | 951 | 51 | | |
| | 1.7 | 831 | 51 | GR137R77 GRF137R77 | 2.2 |
| | 1.9 | 730 | 51 | | |
| | 2.3 | 629 | 51 | | |
| | 2.5 | 560 | 51 | GR137R77 GRF137R77 | 3 |
| | 2.9 | 490 | 51 | | |
| | 3.4 | 428 | 51 | GR137R77 GRF137R77 | 4 |
| | 3.8 | 381 | 51 | | |
| | 4.5 | 323 | 51 | GR137R77 GRF137R77 | 5.5 |
| | 4.9 | 291 | 51 | | |
| | 5.6 | 255 | 51 | | |
| | 2.5 | 564 | 51 | GR137R77 GRF137R77 | 3 |
| | 2.7 | 517 | 51 | | |
| | 3.1 | 453 | 51 | | |
| | 3.8 | 376 | 51 | GR137R77 GRF137R77 | 4 |
| | 4.2 | 339 | 51 | | |
| | 4.8 | 297 | 51 | GR137R77 GRF137R77 | 5.5 |
| 13000 | 0.06 | 23401 | 59 | GR147R77 GRF147R77 | 0.12 |
| | 0.07 | 21342 | 59 | | |
| | 0.08 | 18201 | 59 | GR147R77 GRF147R77 | 0.18 |
| | 0.09 | 15923 | 59 | | |
| | 0.1 | 14075 | 59 | | |
| | 0.11 | 12344 | 59 | GR147R77 GRF147R77 | 0.25 |
| | 0.12 | 11143 | 59 | | |
| | 0.14 | 9743 | 59 | | |
| | 0.16 | 8443 | 59 | GR147R77 GRF147R77 | 0.37 |
| | 0.19 | 7307 | 59 | | |
| | 0.22 | 6447 | 59 | | |
| | 0.25 | 5568 | 59 | GR147R77 GRF147R77 | 0.55 |
| | 0.28 | 4926 | 59 | | |
| | 0.32 | 4325 | 59 | | |
| | 0.37 | 3754 | 59 | GR147R77 GRF147R77 | 0.75 |
| | 0.42 | 3302 | 59 | | |
| | 0.48 | 2898 | 59 | | |
| | 0.55 | 2555 | 59 | GR147R77 GRF147R77 | 1.1 |
| | 0.63 | 2211 | 59 | | |
| | 0.72 | 1951 | 59 | | |
| | 0.82 | 1705 | 59 | GR147R77 GRF147R77 | 1.5 |
| | 0.91 | 1536 | 59 | | |
| | 1.1 | 1329 | 59 | GR179R77 GRF179R77 | 2.2 |
| | 1.2 | 1166 | 59 | | |
| | 1.4 | 1029 | 59 | | |

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## 选型参数表 (恒转矩)

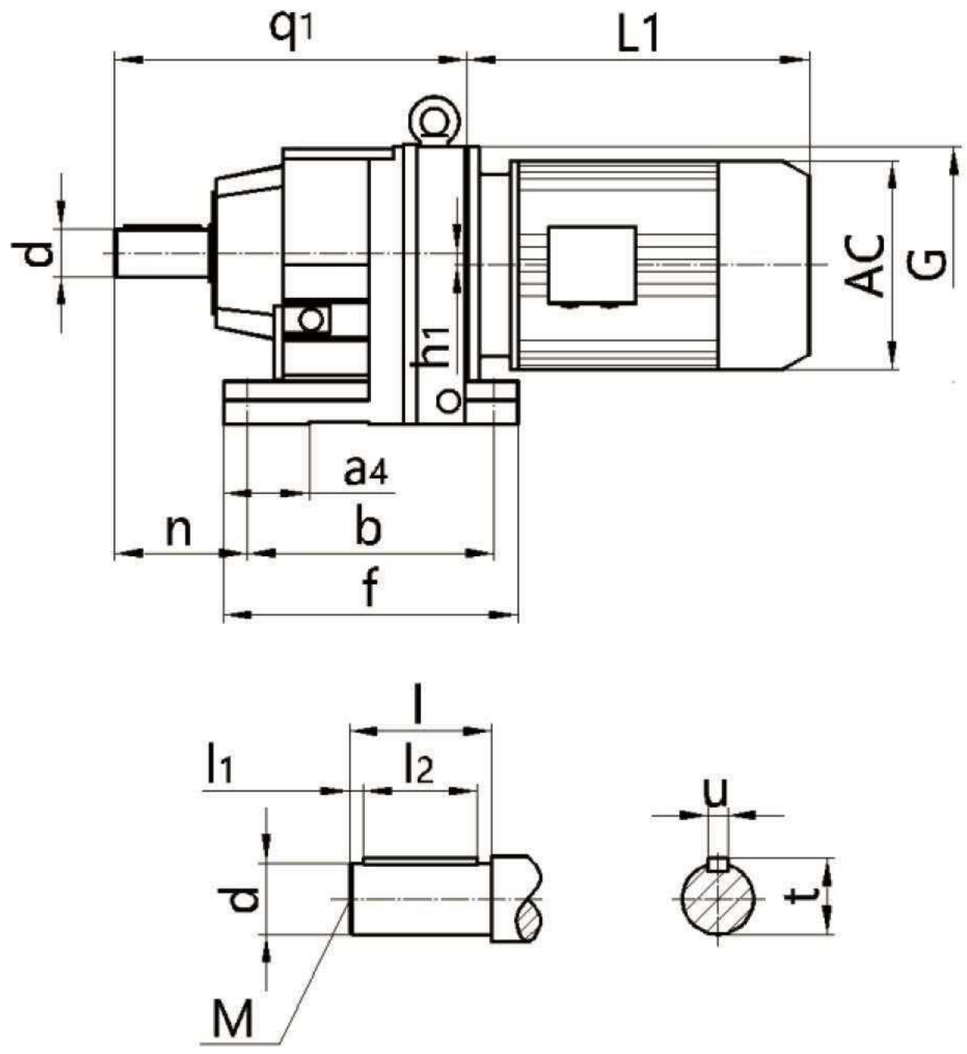
## Selection Table (Constant Torque)

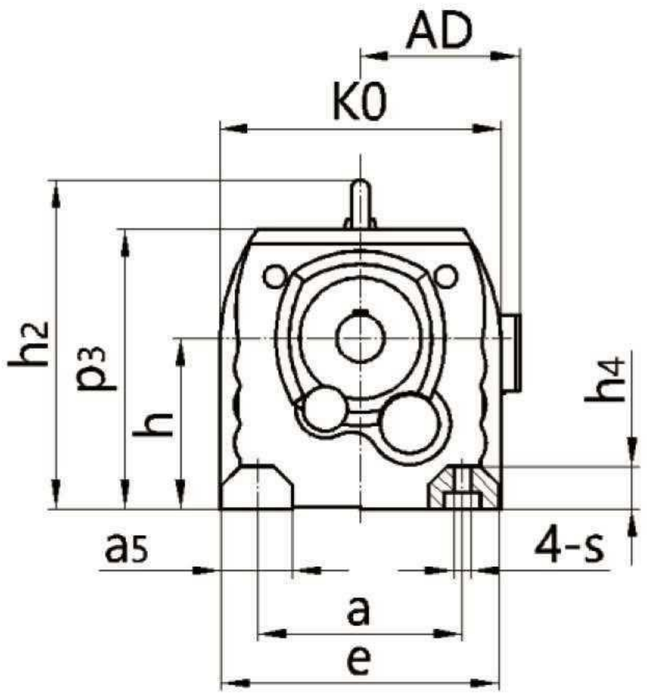
| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 13000 | 1.6 | 889 | 59 | GR147R77 GRF147R77 | 3 |
| | 1.8 | 784 | 59 | | |
| | 2.1 | 695 | 59 | GR147R77 GRF147R77 | 4 |
| | 2.3 | 619 | 59 | | |
| | 2.6 | 558 | 59 | | |
| | 2.9 | 489 | 59 | GR147R77 GRF147R77 | 5.5 |
| | 2.7 | 533 | 59 | GR147R87 GRF147R87 | 4 |
| | 3.1 | 462 | 59 | GR147R87 GRF147R87 | 5.5 |
| | 3.4 | 426 | 59 | | |
| | 3.9 | 368 | 59 | GR147R87 GRF147R87 | 7.5 |
| | 4.4 | 326 | 59 | | |
| | 5.1 | 280 | 59 | GR147R87 GRF147R87 | 7.5 |
| | 5.8 | 247 | 59 | | |
| | 6.8 | 214 | 59 | GR147R87 GRF147R87 | 11 |
| 18000 | 0.05 | 27001 | 91 | GR167R97 GRF167R97 | 0.55 |
| | 0.06 | 22482 | 91 | | |
| | 0.07 | 20002 | 91 | | |
| | 0.08 | 17361 | 91 | | |
| | 0.09 | 15446 | 91 | | |
| | 0.1 | 14051 | 91 | | |
| | 0.12 | 11812 | 91 | | |
| | 0.13 | 10509 | 91 | | |
| | 0.14 | 9631 | 91 | | |
| | 0.18 | 7749 | 91 | GR167R97 GRF167R97 | 1.1 |
| | 0.2 | 6894 | 91 | | |
| | 0.23 | 6077 | 91 | GR167R97 GRF167R97 | 0.55 |
| | 0.26 | 5407 | 91 | GR167R97 GRF167R97 | 0.75 |
| | 0.3 | 4650 | 91 | | |
| | 0.34 | 4129 | 91 | | |
| | 0.38 | 3692 | 91 | GR167R97 GRF167R97 | 1.1 |
| | 0.53 | 2657 | 91 | GR167R97 GRF167R97 | 1.5 |
| | 0.6 | 2333 | 91 | | |
| | 0.67 | 2085 | 91 | | |
| | 0.76 | 1877 | 91 | GR167R97 GRF167R97 | 2.2 |
| | 0.85 | 1670 | 91 | | |
| | 0.99 | 1438 | 91 | | |
| | 1.1 | 1279 | 91 | GR167R97 GRF167R97 | 3 |
| | 1.3 | 1123 | 91 | | |
| | 1.4 | 999 | 91 | | |
| | 1.7 | 861 | 91 | GR167R97 GRF167R97 | 4 |
| | 1.9 | 760 | 91 | | |
| | 2.2 | 656 | 91 | GR167R97 GRF167R97 | 5.5 |
| | 2.5 | 579 | 91 | | |
| | 2.9 | 503 | 91 | GR167R97 GRF167R97 | 7.5 |
| | 3.4 | 432 | 91 | | |
| | 3.9 | 377 | 91 | GR167R97 GRF167R97 | 7.5 |
| | 4.4 | 335 | 91 | | |
| | 4.8 | 303 | 91 | GR167R97 GRF167R97 | 11 |
| | 5.2 | 279 | 91 | | |

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 18000 | 4.9 | 295 | 91 | GR167R107 GRF167R107 | 11 |
| | 5.4 | 270 | 91 | | |
| | 6.4 | 229 | 91 | GR167R107 GRF167R107 | 15 |
| | 7.3 | 200 | 91 | | |
| | 5 | 291 | 91 | GR167R107 GRF167R107 | 11 |
| | 5.5 | 264 | 91 | GR167R107 GRF167R107 | 15 |
| | 6.4 | 227 | 91 | | |
| | 7.4 | 198 | 91 | | |
| 36600 | 0.05 | 25852 | 128 | GR177R97 GRF177R97 | 0.55 |
| | 0.06 | 23175 | 128 | | |
| | 0.07 | 19819 | 128 | | |
| | 0.08 | 18219 | 128 | | |
| | 0.09 | 15581 | 128 | | |
| | 0.1 | 13817 | 128 | | |
| | 0.11 | 12482 | 128 | GR177R97 GRF177R97 | 0.75 |
| | 0.13 | 10674 | 128 | | |
| | 0.16 | 8848 | 128 | GR177R97 GRF177R97 | 1.1 |
| | 0.17 | 8475 | 128 | | |
| | 0.18 | 7734 | 128 | | |
| | 0.21 | 6614 | 128 | | |
| | 0.25 | 5534 | 128 | GR177R97 GRF177R97 | 1.5 |
| | 0.28 | 4914 | 128 | | |
| | 0.33 | 4394 | 128 | GR177R97 GRF177R97 | 2.2 |
| | 0.36 | 3950 | 128 | | |
| | 0.42 | 3429 | 128 | | |
| | 0.46 | 3098 | 128 | GR177R97 GRF177R97 | 3 |
| | 0.49 | 2914 | 128 | | |
| | 0.53 | 2682 | 128 | | |
| | 0.63 | 2294 | 128 | GR177R97 GRF177R97 | 4 |
| | 0.67 | 2158 | 128 | | |
| | 0.78 | 1846 | 128 | | |
| | 0.78 | 1846 | 128 | GR177R97 GRF177R97 | 5.5 |
| | 1 | 1435 | 128 | | |
| | 1.2 | 1189 | 128 | GR177R97 GRF177R97 | 7.5 |
| | 1.2 | 1154 | 128 | | |
| | 1.5 | 957 | 128 | | |
| | 1.9 | 768 | 128 | GR177R97 GRF177R97 | 11 |
| | 2.1 | 710 | 128 | | |
| | 2.4 | 621 | 128 | GR177R97 GRF177R97 | 15 |
| | 2.6 | 563 | 128 | | |
| | 3.1 | 481 | 128 | GR177R97 GRF177R97 | 18.5 |
| | 3.1 | 477 | 128 | | |
| | 3.6 | 408 | 128 | GR177R97 GRF177R97 | 22 |
| | 4.1 | 356 | 128 | | |
| | 5 | 295 | 128 | GR177R97 GRF177R97 | 30 |
| | 4 | 364 | 128 | GR177R107 GRF177R107 | 22 |
| | 5 | 293 | 128 | GR177R107 GRF177R107 | 30 |
| | 5.5 | 266 | 128 | | |
| | 6.5 | 229 | 128 | GR177R107 GRF177R107 | 37 |
| | 7.4 | 200 | 128 | GR177R107 GRF177R107 | 45 |

## GR17-177
## 安装结构尺寸

## GR17-177
## Mounting Dimensional Description




| 机 型 号<br>Type Size | $q_1$<br>e | d<br>s | n<br>$h_4$ | $a_4$<br>K0 | b<br>l | f<br>$l_1$ | $h_1$<br>$l_2$ | $p_3$<br>M | h<br>u | $a_5$<br>t | a<br>$h_2$ | G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GR17 | 163<br>135 | Φ20k6<br>Φ9 | 58<br>12 | 31.5<br>140 | 110<br>40 | 131<br>4 | 0<br>32 | 135<br>M6 | $75_{-0.5}$<br>6 | 25<br>22.5 | 110<br>/ | Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix<br>A-2 and A-3 | | |
| GR27 | 193<br>145 | Φ25k6<br>Φ9 | 75.5<br>18 | 39<br>151 | 130<br>50 | 152<br>5 | 3.4<br>40 | 147<br>M10 | $90_{-0.5}$<br>8 | 32<br>28 | 110<br>/ | Φ120 | | | |
| GR37 | 201<br>157 | Φ25k6<br>Φ9 | 75<br>18 | 40<br>161 | 130<br>50 | 160<br>5 | 10.1<br>40 | 153<br>M10 | $90_{-0.5}$<br>8 | 42<br>28 | 110<br>/ | Φ120 | | | |
| GR47 | 235<br>170 | Φ30k6<br>Φ13.5 | 90<br>24 | 50<br>178 | 165<br>60 | 195<br>3.5 | 14<br>50 | 187<br>M10 | $115_{-0.5}$<br>8 | 42<br>33 | 135<br>/ | Φ160 | | | |
| GR57 | 257<br>190 | Φ35k6<br>Φ13.5 | 100<br>24 | 60<br>202 | 165<br>70 | 200<br>7 | 11.2<br>56 | 190<br>M12 | $115_{-0.5}$<br>10 | 55<br>38 | 135<br>/ | Φ160 | | | |
| GR67 | 280<br>210 | Φ35k6<br>Φ14 | 100<br>30 | 60<br>215 | 195<br>70 | 235<br>7 | 20.7<br>56 | 216<br>M12 | $130_{-0.5}$<br>10 | 60<br>38 | 150<br>245.5 | Φ160 | | | |
| GR77 | 300<br>230 | Φ40k6<br>Φ17.5 | 115<br>30 | 60<br>235 | 205<br>80 | 245<br>5 | 15.9<br>70 | 234<br>M16 | $140_{-0.5}$<br>12 | 60<br>43 | 170<br>270 | Φ200 | | | |
| GR87 | 372<br>290 | Φ50k6<br>Φ17.5 | 140<br>45 | 90<br>297 | 260<br>100 | 310<br>10 | 12.6<br>80 | 295<br>M16 | $180_{-0.5}$<br>14 | 75<br>53.5 | 215<br>345 | Φ250 | | | |
| GR97 | 440<br>340 | Φ60m6<br>Φ22 | 160<br>55 | 100<br>348 | 310<br>120 | 365<br>5 | 10.2<br>110 | 370<br>M20 | $225_{-0.5}$<br>18 | 90<br>64 | 250<br>418 | Φ300 | | | |
| GR107 | 495<br>400 | Φ70m6<br>Φ26 | 185<br>65 | 125<br>409 | 370<br>140 | 440<br>7.5 | 20.4<br>125 | 410<br>M20 | $250_{-0.5}$<br>20 | 110<br>74.5 | 290<br>480 | Φ350 | | | |
| GR137 | 589<br>450 | Φ90m6<br>Φ33 | 220<br>70 | 130<br>458 | 410<br>170 | 490<br>5 | 25.1<br>160 | 495<br>M24 | $315_{-1}$<br>25 | 110<br>95 | 340<br>563 | Φ400 | | | |
| GR147 | 695<br>530 | Φ110m6<br>Φ39 | 260<br>80 | 150<br>540 | 500<br>210 | 590<br>15 | 33.4<br>180 | 565<br>M24 | $355_{-1}$<br>28 | 150<br>116 | 380<br>648 | Φ450 | | | |
| GR167 | 790<br>660 | Φ120m6<br>Φ39 | 270<br>100 | 160<br>670 | 580<br>210 | 670<br>5 | 59.9<br>200 | 675<br>M24 | $425_{-1}$<br>32 | 160<br>127 | 500<br>775 | Φ550 | | | |
| GR177 | 955<br>780 | Φ160m6<br>Φ45 | 280<br>110 | 280<br>780 | 790<br>250 | 904<br>15 | 93<br>220 | 835<br>M30 | $525_{-1}$<br>40 | 180<br>169 | 600<br>/ | Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D

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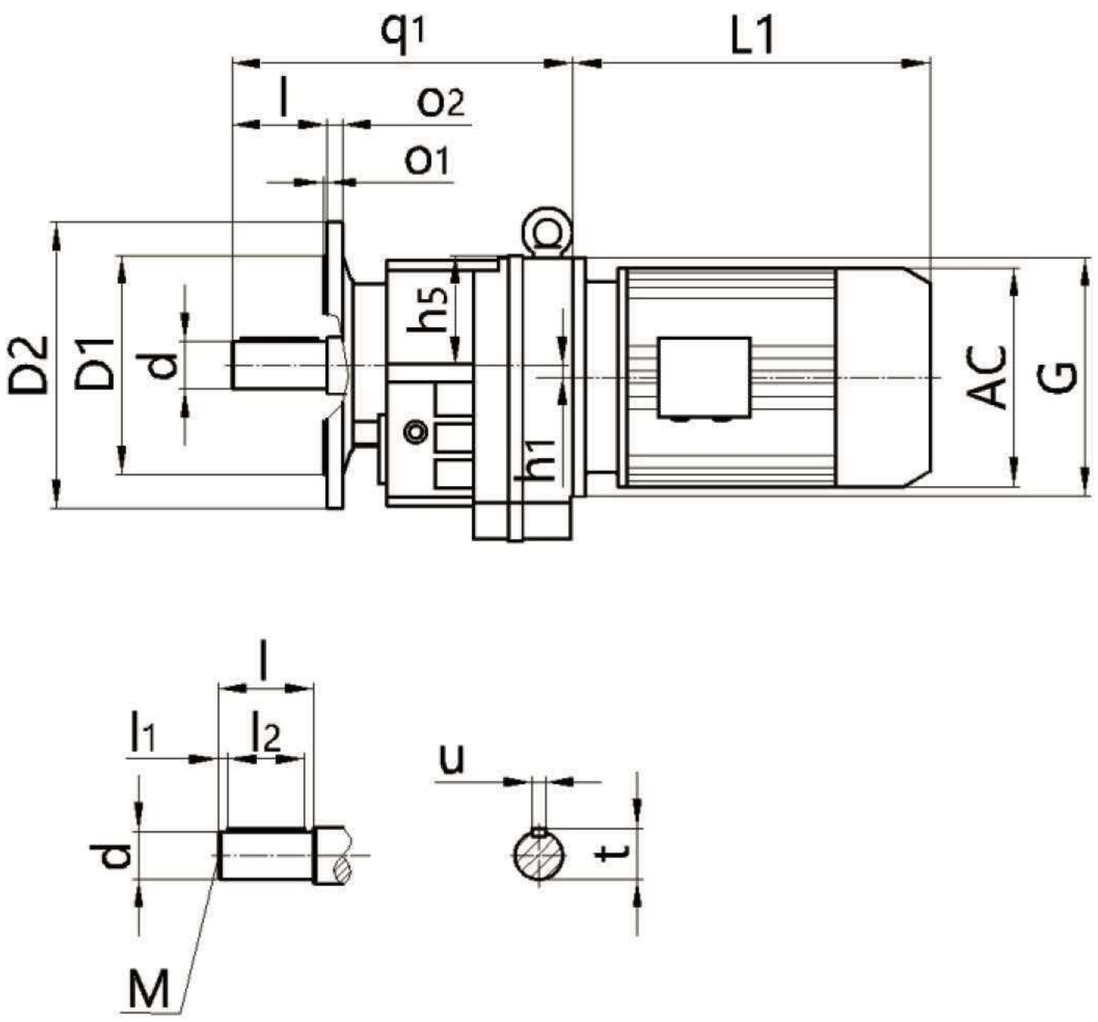
## GRF17-177
## 安装结构尺寸

## GRF17-177
## Mounting Dimensional Description




| 机 型 号 Type Size | d | D2 | o2 | o1 | s | D1 | D | n | q1 l | h5 l1 | h1 l2 | h M | e u | h2 t | G | 电机尺寸 Motor Size AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GRF17 | Φ20k6 | Φ120 | 8 | 3 | Φ6.5 | Φ80j6 | Φ100 | 4 | 175 40 | 60 4 | 0 32 | 77 M6 | 130 6 | / 22.5 | Φ120 | 见附录 A-2 和 A-3 Please see appendix A-2 and A-3 | | |
| | | Φ140 | 9 | 3 | Φ8.5 | Φ95j6 | Φ115 | 4 | | | | | | | | | | |
| GRF27 | Φ25k6 | Φ120 | 8 | 3 | Φ6.5 | Φ80j6 | Φ100 | 4 | 204 50 | 59 5 | 3.4 40 | 92 M10 | 142 8 | / 28 | Φ120 | | | |
| | | Φ140 | 8 | 3 | Φ8.5 | Φ95j6 | Φ115 | 4 | | | | | | | | | | |
| | | Φ160 | 10 | 3.5 | Φ8.5 | Φ110j6 | Φ130 | 4 | | | | | | | | | | |
| GRF37 | Φ25k6 | Φ120 | 8 | 3 | Φ6.5 | Φ80j6 | Φ100 | 4 | 213 50 | 66.5 5 | 10.1 40 | 96 M10 | 161 8 | / 28 | Φ120 | | | |
| | | Φ160 | 10 | 3.5 | Φ9 | Φ110j6 | Φ130 | 4 | | | | | | | | | | |
| | | Φ200 | 12 | 3.5 | Φ11 | Φ130j6 | Φ165 | 4 | | | | | | | | | | |
| GRF47 | Φ30k6 | Φ140 | 10 | 3 | Φ9 | Φ95j6 | Φ115 | 4 | 240 60 | 72 3.5 | 14 50 | 118 M10 | 180 8 | / 33 | Φ160 | | | |
| | | Φ160 | 10 | 3.5 | Φ9 | Φ110j6 | Φ130 | 4 | | | | | | | | | | |
| | | Φ200 | 12 | 3.5 | Φ11 | Φ130j6 | Φ165 | 4 | | | | | | | | | | |
| GRF57 | Φ35k6 | Φ160 | 10 | 3.5 | Φ9 | Φ110j6 | Φ130 | 4 | 269 70 | 75 7 | 11.2 56 | 122 M12 | 202 10 | / 38 | Φ160 | | | |
| | | Φ200 | 12 | 3.5 | Φ11 | Φ130j6 | Φ165 | 4 | | | | | | | | | | |
| | | Φ250 | 15 | 4 | Φ13.5 | Φ180j6 | Φ215 | 4 | | | | | | | | | | |
| GRF67 | Φ35k6 | Φ200 | 12 | 3.5 | Φ11 | Φ130j6 | Φ165 | 4 | 294 70 | 86 7 | 20.7 56 | 134 M12 | 215 10 | 116 38 | Φ160 | | | |
| | | Φ250 | 15 | 4 | Φ13.5 | Φ180j6 | Φ215 | 4 | | | | | | | | | | |
| GRF77 | Φ40k6 | Φ250 | 15 | 4 | Φ13.5 | Φ180j6 | Φ215 | 4 | 322 80 | 93 5 | 15.9 70 | 147 M16 | 235 12 | 130 43 | Φ200 | | | |
| | | Φ300 | 15 | 4 | Φ13.5 | Φ230j6 | Φ265 | 4 | | | | | | | | | | |
| GRF87 | Φ50k6 | Φ300 | 16 | 4 | Φ13.5 | Φ230j6 | Φ265 | 4 | 395 100 | 115 10 | 12.6 80 | 184 M16 | 297 14 | 165 53.5 | Φ250 | | | |
| | | Φ350 | 18 | 5 | Φ17.5 | Φ250h6 | Φ300 | 4 | | | | | | | | | | |
| GRF97 | Φ60m6 | Φ350 | 18 | 5 | Φ17.5 | Φ250h6 | Φ300 | 4 | 461 120 | 145 5 | 10.2 110 | 232 M20 | 348 18 | 193 64 | Φ300 | | | |
| | | Φ450 | 22 | 5 | Φ17.5 | Φ350h6 | Φ400 | 8 | | | | | | | | | | |
| GRF107 | Φ70m6 | Φ350 | 20 | 5 | Φ17.5 | Φ250h6 | Φ300 | 4 | 510 140 | 161 7.5 | 20.4 125 | 258 M20 | 409 20 | 230 74.5 | Φ350 | | | |
| | | Φ450 | 22 | 5 | Φ17.5 | Φ350h6 | Φ400 | 8 | | | | | | | | | | |
| GRF137 | Φ90m6 | Φ450 | 22 | 5 | Φ17.5 | Φ350h6 | Φ400 | 8 | 606 170 | 180 5 | 25.1 160 | 318 M24 | 458 25 | 248 95 | Φ400 | | | |
| | | Φ550 | 25 | 5 | Φ17.5 | Φ450h6 | Φ500 | 8 | | | | | | | | | | |
| GRF147 | Φ110m6 | Φ450 | 22 | 5 | Φ17.5 | Φ350h6 | Φ400 | 8 | 711 210 | 210 15 | 33.4 180 | 363 M24 | 540 28 | 293 116 | Φ450 | | | |
| | | Φ550 | 25 | 5 | Φ17.5 | Φ450h6 | Φ500 | 8 | | | | | | | | | | |
| GRF167 | Φ120m6 | Φ550 | 25 | 5 | Φ17.5 | Φ450h6 | Φ500 | 8 | 805 210 | 250 5 | 59.9 200 | 432 M24 | 670 32 | 350 127 | Φ550 | | | |
| | | Φ660 | 28 | 6 | Φ22 | Φ550h6 | Φ600 | 8 | | | | | | | | | | |
| GRF177 | Φ160m6 | Φ660 | 32 | 6 | Φ22 | Φ550h6 | Φ600 | 8 | 980 250 | 355 15 | 93 220 | 533 M30 | 780 40 | / 169 | Φ550 | | | |
| | | Φ880 | 36 | 6 | Φ33 | Φ680h6 | Φ800 | 8 | | | | | | | | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

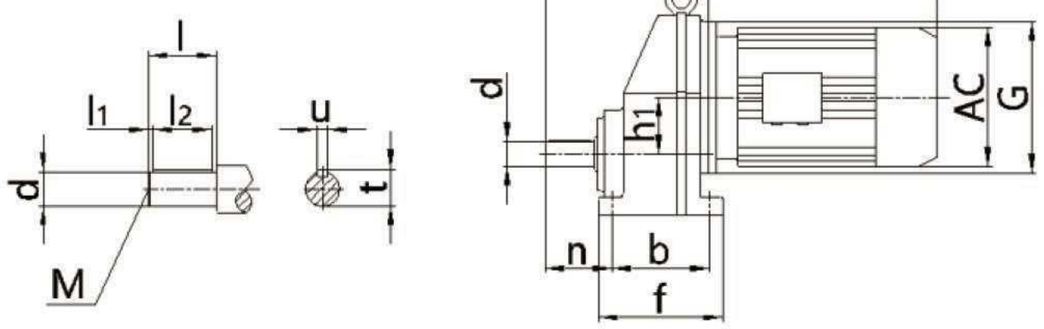
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

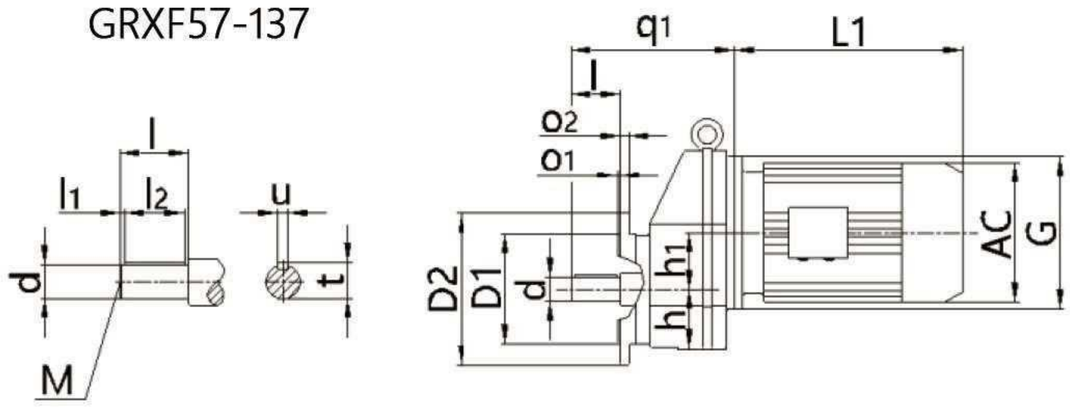
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D

## GRX57-137/GRXF57-137
## 安装结构尺寸

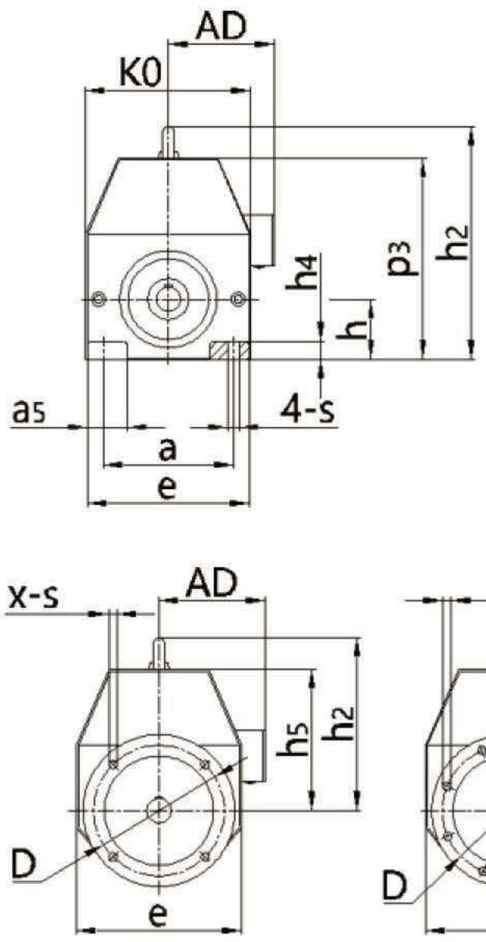
GRX57-137




GRXF57-137

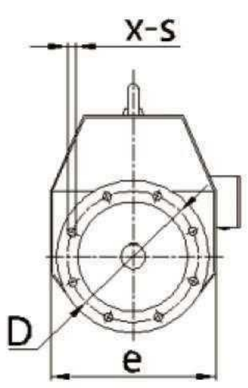



## GRX57-137/GRXF57-137
## Mounting Dimensional Description




GRXF57-97




GRXF107-137

| 机 型 号<br>Type Size | $q_1$<br>h | d<br>$p_3$ | $h_1$<br>$h_2$ | n<br>K0 | b<br>$l_1$ | f<br>$l_2$ | $a_5$<br>l | a<br>M | e<br>u | s<br>t | $h_4$<br>G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GRX57** | 174<br>$63_{-0.5}$ | Φ20k6<br>206 | 52<br>/ | 56.5<br>162 | 110<br>3.5 | 137<br>32 | 31<br>40 | 125<br>M6 | 156<br>6 | Φ11<br>22.5 | 18<br>Φ160 | **见附录<br>A-2 和 A-3<br><br>Please see appendix<br>A-2 and A-3** | | |
| **GRX67** | 201<br>$80_{-0.5}$ | Φ25k6<br>230 | 60<br>/ | 75<br>176 | 120<br>3.5 | 150<br>40 | 35<br>50 | 135<br>M10 | 170<br>8 | Φ13.5<br>28 | 20<br>Φ160 | | | |
| **GRX77** | 227<br>$90_{-0.5}$ | Φ30k6<br>276 | 72<br>314 | 85<br>210 | 150<br>3.5 | 190<br>50 | 50<br>60 | 170<br>M10 | 204<br>8 | Φ17.5<br>33 | 25<br>Φ200 | | | |
| **GRX87** | 269<br>$100_{-0.5}$ | Φ40k6<br>336 | 93.5<br>383 | 110<br>272 | 160<br>5 | 206<br>70 | 60<br>80 | 215<br>M16 | 266<br>12 | Φ17.5<br>43 | 30<br>Φ250 | | | |
| **GRX97** | 316<br>$112_{-0.5}$ | Φ50k6<br>399 | 116<br>444 | 140<br>328 | 185<br>10 | 240<br>80 | 70<br>100 | 250<br>M16 | 320<br>14 | Φ22<br>53.5 | 35<br>Φ300 | | | |
| **GRX107** | 364<br>$140_{-0.5}$ | Φ60m6<br>465 | 130<br>520 | 152<br>370 | 210<br>5 | 260<br>110 | 80<br>120 | 310<br>M20 | 360<br>18 | Φ22<br>64 | 45<br>Φ350 | | | |
| **GRX137** | 398<br>$160_{-0.5}$ | Φ70m6<br>532 | 157<br>598 | 195<br>416 | 240<br>7.5 | 320<br>125 | 110<br>140 | 340<br>M20 | 450<br>20 | Φ35<br>74.5 | 50<br>Φ400 | | | |

| 机 型 号<br>Type Size | d | D2 | D1 | o2 | o1 | D | x | s | h<br>l2 | h1<br>l | h5<br>M | h2<br>u | e<br>t | l1<br>q1 | G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GRXF57** | Φ20k6 | Φ140 | Φ95j6 | 10 | 3 | Φ115 | 4 | Φ9 | 68<br>32 | 52<br>40 | 141<br>M6 | /<br>6 | 162<br>22.5 | 3.5<br>174 | Φ160 | **见附录<br>A-2 和 A-3<br><br>Please see appendix<br>A-2 and A-3** | | |
| | | Φ160 | Φ110j6 | 10 | 3.5 | Φ130 | 4 | Φ9 | | | | | | | | | | |
| | | Φ200 | Φ130j6 | 12 | 3.5 | Φ165 | 4 | Φ11 | | | | | | | | | | |
| **GRXF67** | Φ25k6 | Φ160 | Φ110j6 | 10 | 3.5 | Φ130 | 4 | Φ9 | 75<br>40 | 60<br>50 | 150<br>M10 | /<br>8 | 180<br>28 | 3.5<br>201 | Φ160 | | | |
| | | Φ200 | Φ130j6 | 12 | 3.5 | Φ165 | 4 | Φ11 | | | | | | | | | | |
| | | Φ250 | Φ180j6 | 15 | 4 | Φ215 | 4 | Φ13.5 | | | | | | | | | | |
| **GRXF77** | Φ30k6 | Φ200 | Φ130j6 | 12 | 3.5 | Φ165 | 4 | Φ11 | 82<br>50 | 72<br>60 | 185<br>M10 | 224<br>8 | 210<br>33 | 3.5<br>227 | Φ200 | | | |
| | | Φ250 | Φ180j6 | 15 | 4 | Φ215 | 4 | Φ13.5 | | | | | | | | | | |
| **GRXF87** | Φ40k6 | Φ250 | Φ180j6 | 15 | 4 | Φ215 | 4 | Φ13.5 | 102<br>70 | 93.5<br>80 | 238<br>M16 | 283<br>12 | 272<br>43 | 5<br>269 | Φ250 | | | |
| | | Φ300 | Φ230j6 | 16 | 4 | Φ265 | 4 | Φ13.5 | | | | | | | | | | |
| **GRXF97** | Φ50k6 | Φ300 | Φ230j6 | 16 | 4 | Φ265 | 4 | Φ13.5 | 124<br>80 | 116<br>100 | 287<br>M16 | 332<br>14 | 328<br>53.5 | 10<br>316 | Φ300 | | | |
| | | Φ350 | Φ250h6 | 18 | 5 | Φ300 | 4 | Φ17.5 | | | | | | | | | | |
| **GRXF107** | Φ60m6 | Φ350 | Φ250h6 | 18 | 5 | Φ300 | 4 | Φ17.5 | 141<br>110 | 130<br>120 | 325<br>M20 | 380<br>18 | 370<br>64 | 5<br>364 | Φ350 | | | |
| | | Φ450 | Φ350h6 | 22 | 5 | Φ400 | 8 | Φ17.5 | | | | | | | | | | |
| **GRXF137** | Φ70m6 | Φ350 | Φ250h6 | 18 | 5 | Φ300 | 4 | Φ17.5 | 176<br>125 | 157<br>140 | 372<br>M20 | 437<br>20 | 416<br>74.5 | 7.5<br>398 | Φ400 | | | |
| | | Φ450 | Φ350h6 | 22 | 5 | Φ400 | 8 | Φ17.5 | | | | | | | | | | |
| | | Φ550 | Φ450h6 | 22 | 5 | Φ500 | 8 | Φ17.5 | | | | | | | | | | |

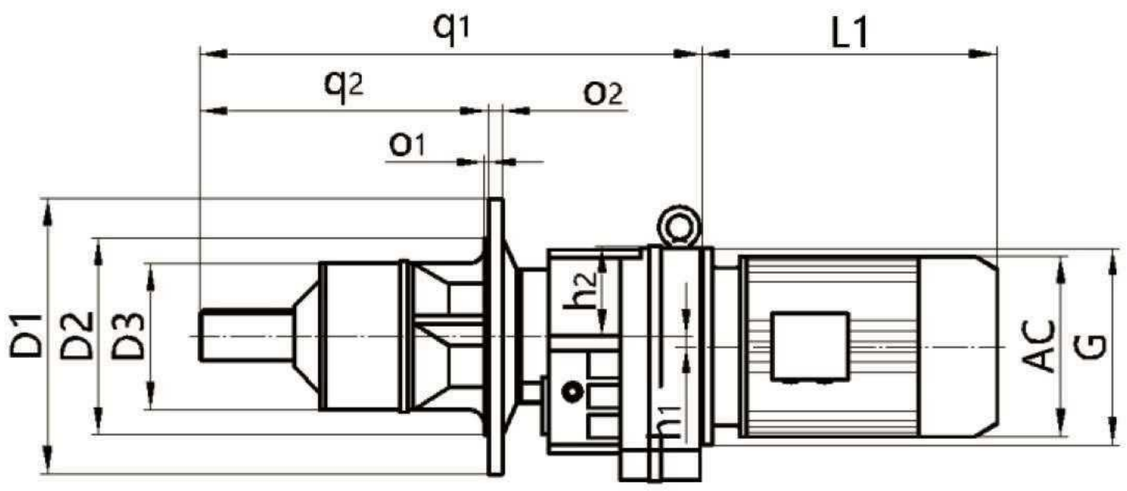
注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

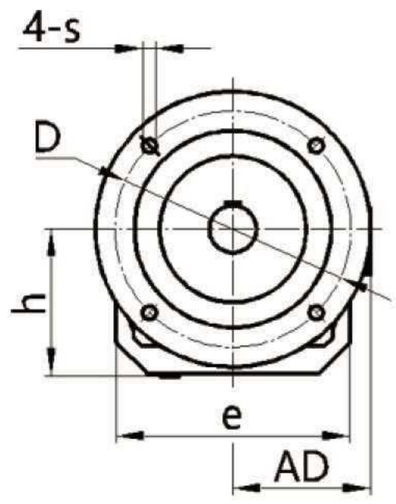
R

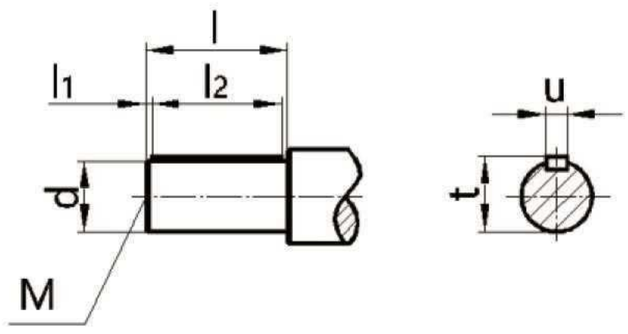
## GRM57-167
## 安装结构尺寸

## GRM57-167
## Mounting Dimensional Description

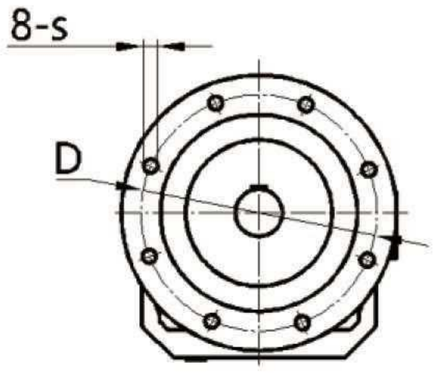



GRM57-87




GRM77-167




| 机 型 号<br>Type Size | $q_1$<br>$q_2$ | $o_1$<br>$o_2$ | $h_1$<br>$h_2$ | h<br>e | D<br>D1 | D2<br>d | D3<br>l | $l_1$<br>$l_2$ | s<br>M | u<br>t | G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | AC | AD | L1 |
| **GRM57** | 420<br>230 | 4<br>15 | 11.2<br>75 | 122<br>202 | Φ215<br>Φ250 | Φ180j6<br>Φ35k6 | Φ142<br>70 | 7<br>56 | Φ13.5<br>M12 | 10<br>38 | Φ160 | **见附录 A-2 和 A-3**<br>**Please see appendix A-2 and A-3** | | |
| **GRM67** | 459<br>240 | 4<br>16 | 20.7<br>86 | 134<br>215 | Φ265<br>Φ300 | Φ230j6<br>Φ40k6 | Φ152<br>80 | 5<br>70 | Φ13.5<br>M16 | 12<br>43 | Φ160 | | | |
| **GRM77** | 527<br>300 | 5<br>18 | 15.9<br>93 | 147<br>235 | Φ300<br>Φ350 | Φ250h6<br>Φ50k6 | Φ180<br>100 | 10<br>80 | Φ17.5<br>M16 | 14<br>53.5 | Φ200 | | | |
| **GRM87** | 639<br>360 | 5<br>18 | 12.6<br>115 | 184<br>297 | Φ300<br>Φ350 | Φ250h6<br>Φ60m6 | Φ199<br>120 | 5<br>110 | Φ17.5<br>M20 | 18<br>64 | Φ250 | | | |
| **GRM97** | 745<br>420 | 5<br>22 | 10.2<br>145 | 232<br>348 | Φ400<br>Φ450 | Φ350h6<br>Φ70m6 | Φ229<br>140 | 7.5<br>125 | Φ17.5<br>M20 | 20<br>74.5 | Φ300 | | | |
| **GRM107** | 864<br>500 | 5<br>25 | 20.4<br>161 | 258<br>409 | Φ500<br>Φ550 | Φ450h6<br>Φ80m6 | Φ250<br>170 | 25<br>125 | Φ17.5<br>M20 | 22<br>85 | Φ350 | | | |
| **GRM137** | 1024<br>600 | 5<br>25 | 25.1<br>180 | 318<br>458 | Φ500<br>Φ550 | Φ450h6<br>Φ100m6 | Φ275<br>210 | 15<br>180 | Φ17.5<br>M24 | 28<br>106 | Φ400 | | | |
| **GRM147** | 1154<br>660 | 6<br>28 | 33.4<br>210 | 363<br>540 | Φ600<br>Φ660 | Φ550h6<br>Φ110m6 | Φ299<br>210 | 15<br>180 | Φ22<br>M24 | 28<br>116 | Φ450 | | | |
| **GRM167** | 1313<br>730 | 6<br>28 | 59.9<br>250 | 432<br>670 | Φ600<br>Φ660 | Φ550h6<br>Φ125m6 | Φ321<br>210 | 5<br>200 | Φ22<br>M24 | 32<br>134 | Φ550 | | | |

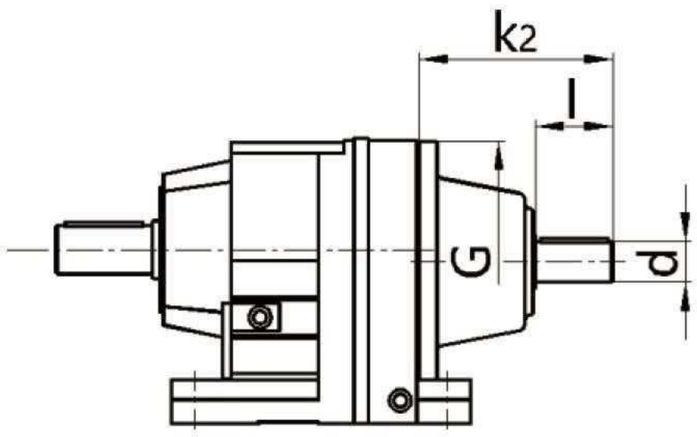
注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

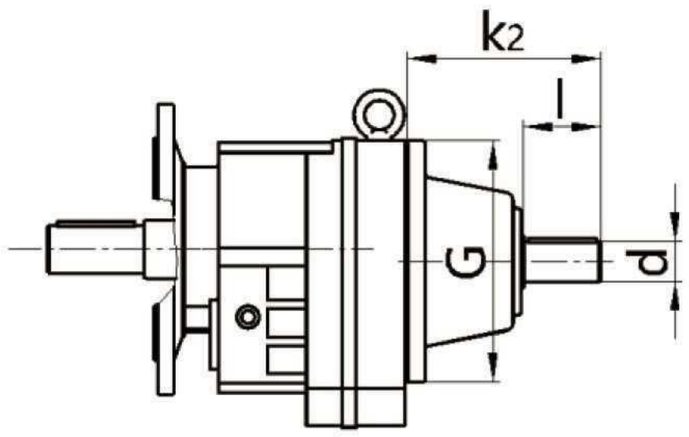
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

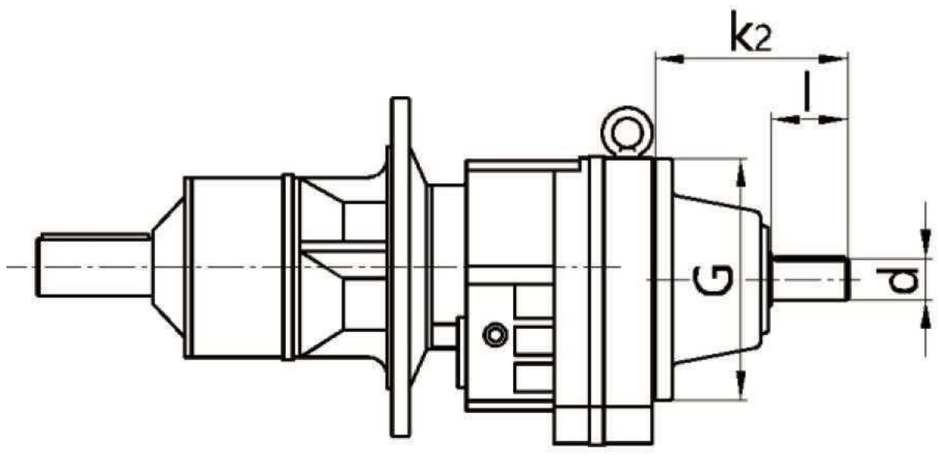
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

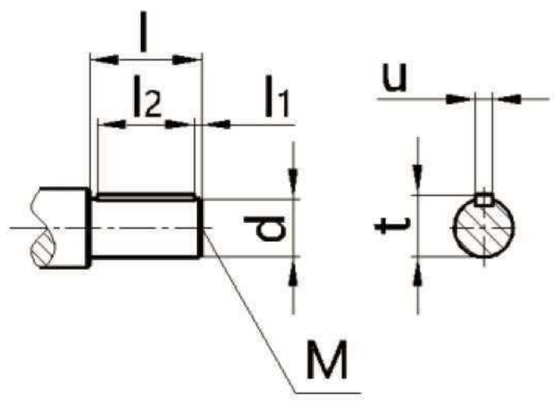
## GR..27-177AD1-8
## 安装结构尺寸




## GR..27-177AD1-8
## Mounting Dimensional Description




| 机 型 号<br>Type Size | 规 格<br>Specification | 适用功率范围(kW)/4P<br>Range Power | d | G | $k_2$ | l | M | $l_1$ | $l_2$ | t | u |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GR..27/37 | AD1 | 0.12-0.18 | 16k6 | Φ120 | 130 | 40 | M5 | 4 | 32 | 18 | 5 |
| | AD2 | 0.25-3 | 19k6 | Φ120 | 130 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| GR..47/57/67 | AD2 | 0.12-1.5 | 19k6 | Φ160 | 149 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-7.5 | 24k6 | Φ160 | 159 | 50 | M8 | 5 | 40 | 27 | 8 |
| GR..77 | AD2 | 0.18-1.5 | 19k6 | Φ200 | 184 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 24k6 | Φ200 | 194 | 50 | M8 | 5 | 40 | 27 | 8 |
| | AD4 | 5.5-11 | 38k6 | Φ200 | 224 | 80 | M12 | 5 | 70 | 41 | 10 |
| GR..87 | AD2 | 0.55-1.5 | 19k6 | Φ250 | 136 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 28k6 | Φ250 | 156 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ250 | 262 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ250 | 292 | 110 | M16 | 10 | 70 | 45 | 12 |
| GR..97 | AD3 | 0.55-4 | 28k6 | Φ300 | 194 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ300 | 214 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ300 | 327 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30 | 48k6 | Φ300 | 327 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| GR..107 | AD3 | 2.2-4 | 28k6 | Φ350 | 188 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ350 | 208 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ350 | 321 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ350 | 321 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| GR..137 | AD4 | 5.5-7.5 | 38k6 | Φ400 | 270 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ400 | 300 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ400 | 300 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| | AD7 | 55 | 55m6 | Φ400 | 300 | 110 | M20 | 10 | 90 | 59 | 16 |
| GR..147 | AD4 | 7.5 | 38k6 | Φ450 | 270 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ450 | 300 | 110 | M16 | 10 | 90 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ450 | 300 | 110 | M16 | 10 | 90 | 51.5 | 14 |
| | AD7 | 55 | 55m6 | Φ450 | 300 | 110 | M20 | 10 | 90 | 59 | 16 |
| | AD8 | 75-90 | 70m6 | Φ450 | 383 | 140 | M20 | 15 | 110 | 74.5 | 20 |
| GR..167/177 | AD5 | 11-22 | 42k6 | Φ550 | 344 | 110 | M16 | 10 | 90 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ550 | 344 | 110 | M16 | 10 | 90 | 51.5 | 14 |
| | AD7 | 55-90 | 55m6 | Φ550 | 344 | 110 | M20 | 10 | 90 | 59 | 16 |
| | AD8 | 110-160 | 70m6 | Φ550 | 374 | 140 | M20 | 15 | 110 | 74.5 | 20 |

其它尺寸请参照 GR 型。

注： 1.GRF/GRX/GRXF/GRM 也可采用双轴型，并分别记为 GRF..AD..、GRX..AD..、GRXF..AD..和 GRM..AD..。

2.通过联轴器联接，可直接参考上表功率范围；若电机和减速机之间是通过其他极数电机、齿轮、链轮、皮带轮等传动方式联接，需客户自行转换。

For other dimensions，see the type GR.

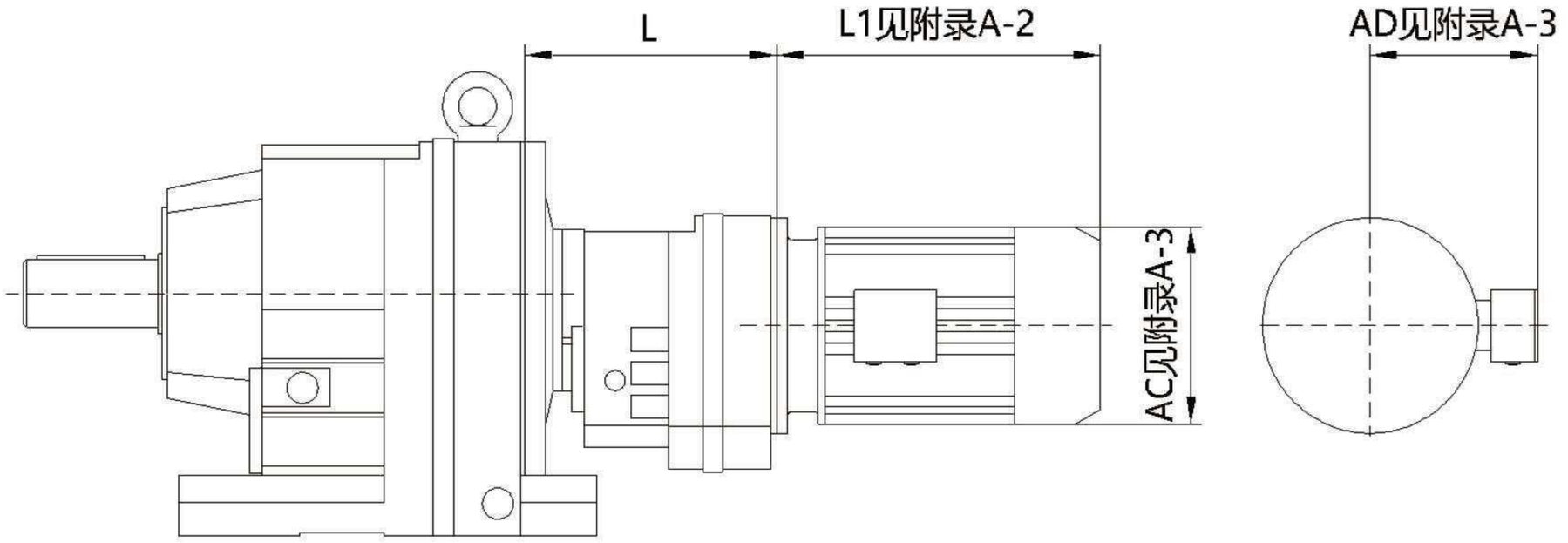
Note: 1.Double shafts type is also available for type GRF/GRX/GRXF/GRM and these double shafts types are respectively named type GRF..AD..、GRX..AD..、GRXF..AD..and GRM..AD...

2.Applicable power refers to the input torque of 4 pole motor. If the connect way is coupling, can see the power range on the table directly, if the connect way is other pole motor, sprocket, belt pulley, need customers to convert by themselves.

R

## GR..R..
## 安装结构尺寸

## GR..R..
## Mounting Dimensional Description




| 机 型 号 Type Size | 机座号 Frame Size | L |
|---|---|---|
| GR..27R17<br>GR..37R17 | 63 | 135 |
| | 71 | |
| GR..47R37<br>GR..57R37<br>GR..67R37 | 63 | 163 |
| | 71 | |
| GR..77R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| GR..87R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| GR..97R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| GR..107R77 | 63 | 251 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| GR..137R77 | 63 | 244 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |

| 机 型 号 Type Size | 机座号 Frame Size | L |
|---|---|---|
| GR..147R77 | 63 | 241 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| GR..147R87 | 90 | 280 |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| GR..167R97<br>GR..177R97 | 80 | 332 |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| GR..167R107<br>GR..177R107 | 100 | 382 |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| | 200 | |
| | 225 | |

注： 1.GRF 也可采用串联组合机型。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.Combined type is also available for type GRF.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

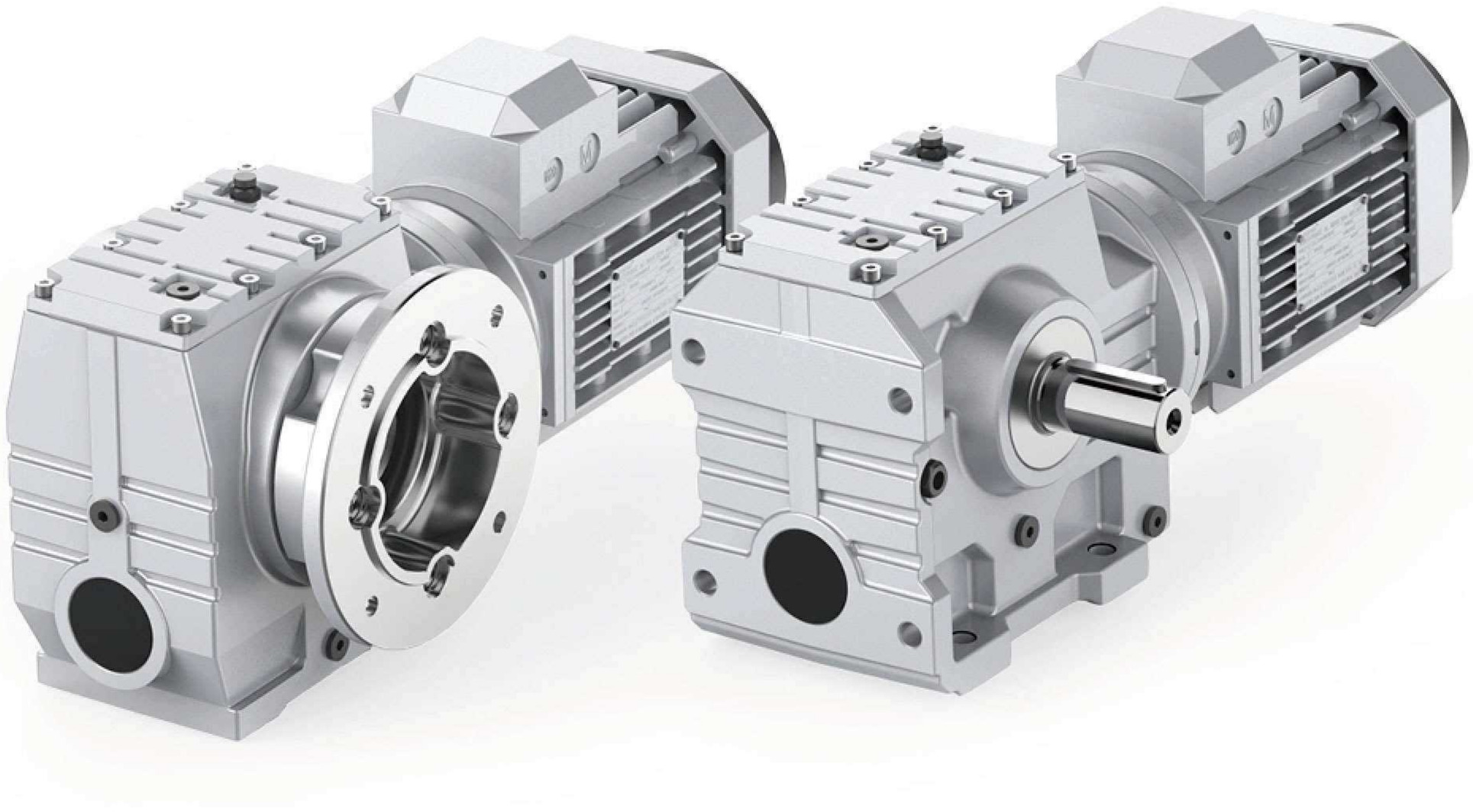
# GS
# SERIES

S

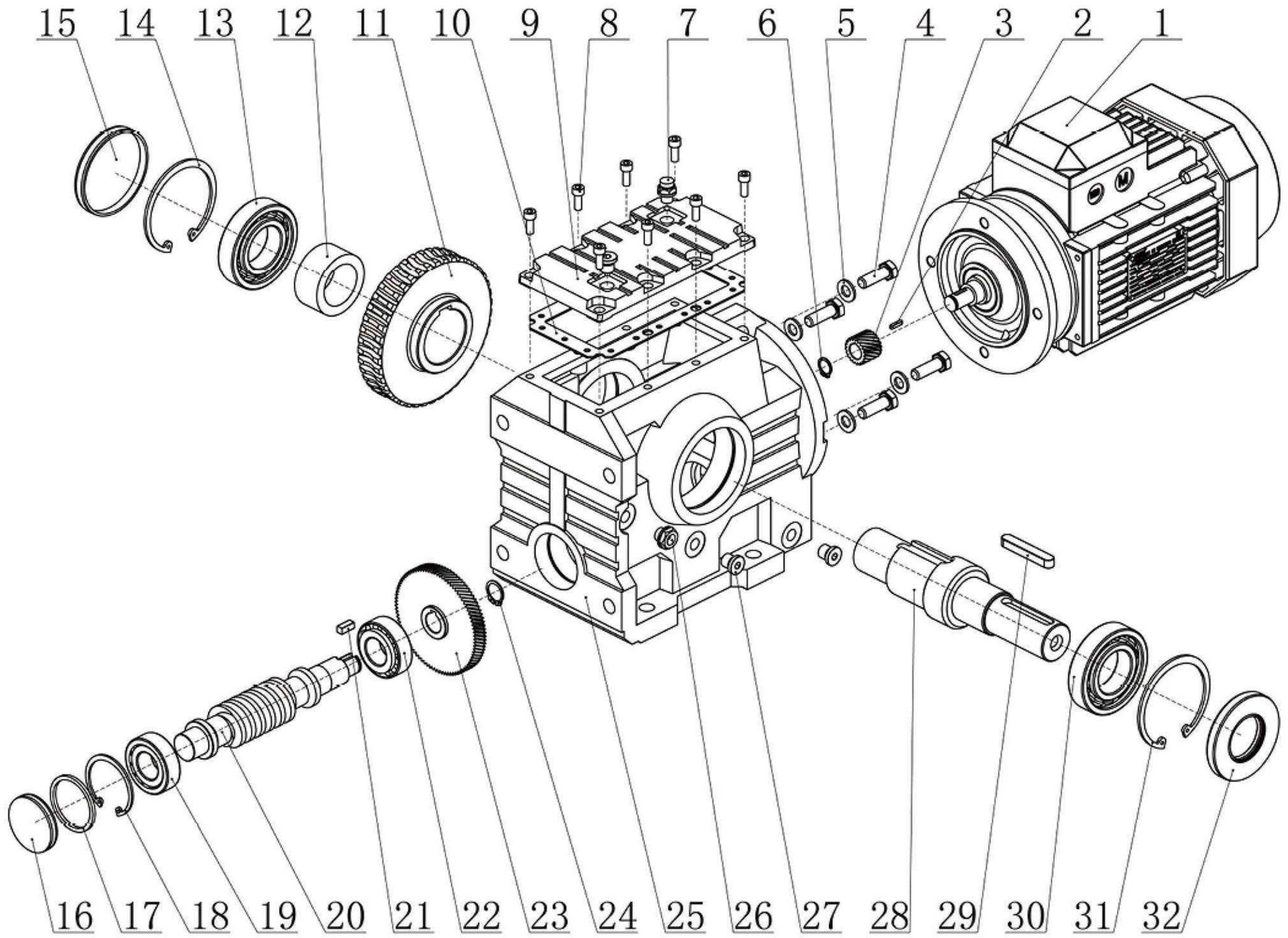
★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。



S




# S系列爆炸图

| | | | |
|---|---|---|---|
| 1.电机 | 9.箱盖 | 17.垫圈 | 25.箱体 |
| 2.平键 | 10.密封垫 | 18.孔用挡圈 | 26.油镜 |
| 3.齿轮 | 11.蜗轮 | 19.轴承 | 27.螺塞 |
| 4.螺栓 | 12.轴套 | 20.蜗杆 | 28.输出轴 |
| 5.平垫圈 | 13.轴承 | 21.平键 | 29.平键 |
| 6.轴用挡圈 | 14.孔用挡圈 | 22.轴承 | 30.轴承 |
| 7.通用帽 | 15.平面油封 | 23.齿轮 | 31.孔用挡圈 |
| 8.螺钉 | 16.平面油封 | 24.轴用挡圈 | 32.骨架油封 |

# GS系列 斜齿轮-蜗轮蜗杆减速电机

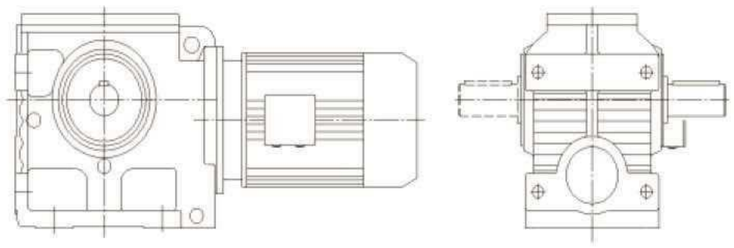
## 结构形式说明 Dimensional Description

GS 系列输出轴垂直于输入轴，由一级斜齿轮和一级蜗轮蜗杆构成。

Output shafts of GS series are vertical to input shafts. Units of GS series consist of single stage helical gears and single stage worn gears.

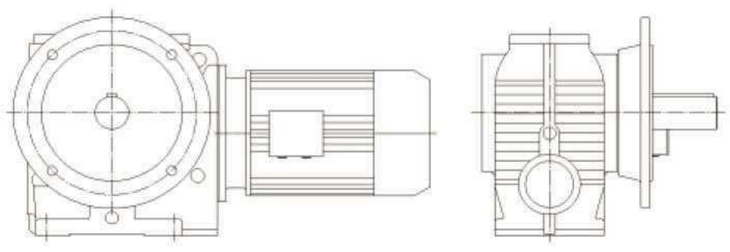
**1.GS 型：** 底脚安装，输出轴为实心轴。

**Type GS:** Foot-mounted. Solid output shaft.



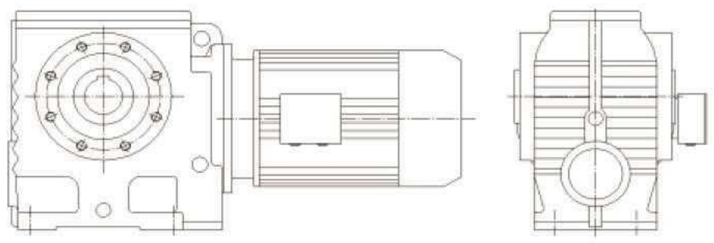
**2.GSF 型：** B5 法兰安装，输出轴为实心轴。

**Type GSF:** B5 flange mounted. Solid output shaft.



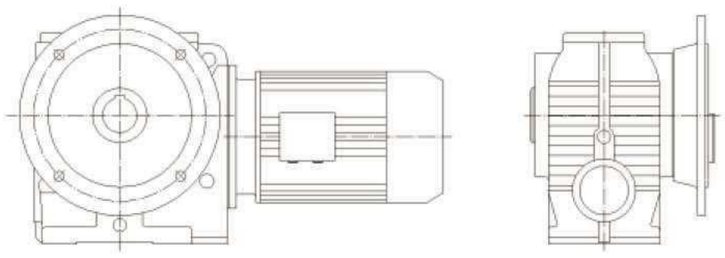
**3.GSA 型：** 轴装式，输出轴为空心轴。

**Type GSA:** Shaft mounted. Hollow output shaft.



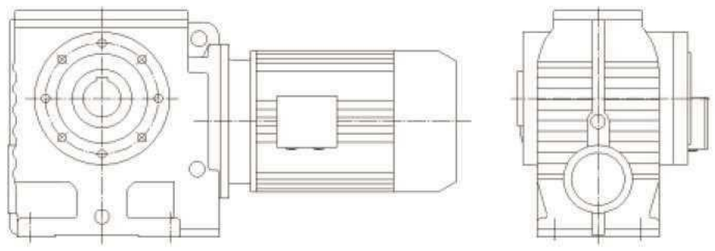
**4.GSAF 型：** B5 法兰安装，输出轴为空心轴。

**Type GSAF:** B5 flange mounted. Hollow output shaft.



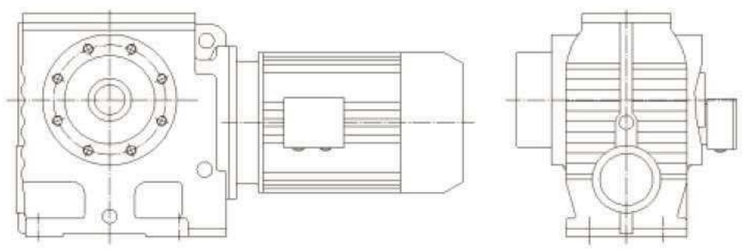
**5.GSAZ 型：** B14 法兰安装，输出轴为空心轴。

**Type GSAZ:** B14 flange mounted. Hollow output shaft.



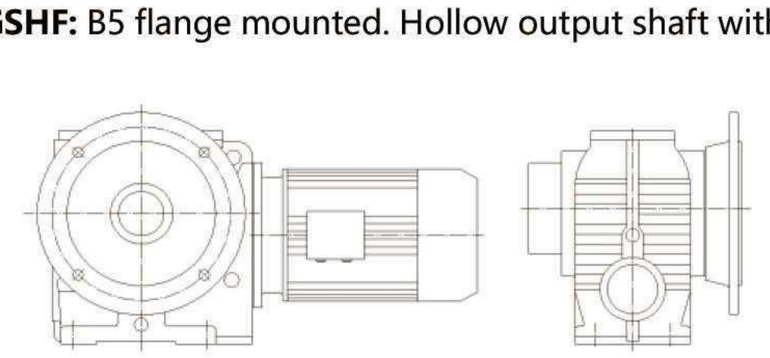
**6.GSH 型**：轴装式，输出轴为空心轴带锁紧盘。

**Type GSH:** Shaft mounted. Hollow output shaft with shrink disk.



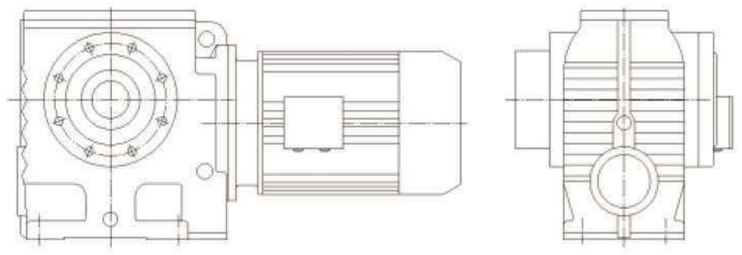
**7.GSHF 型：** B5 法兰安装，输出轴为空心轴带锁紧盘。

**Type GSHF:** B5 flange mounted. Hollow output shaft with shrink disk.



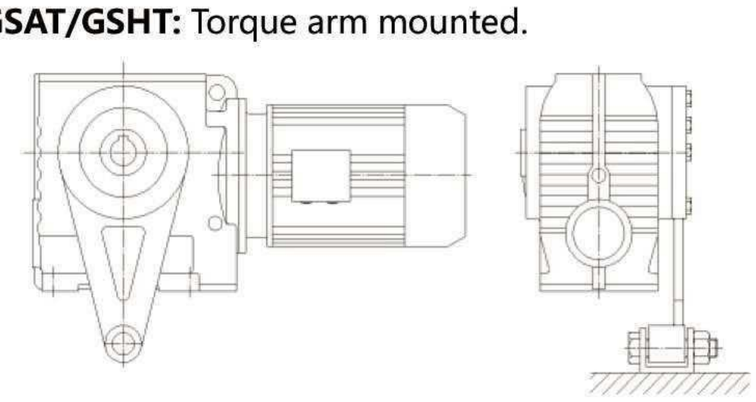
**8.GSHZ 型：** B14 法兰安装，输出轴为空心轴带锁紧盘。

**Type GSHZ:** B14 flange mounted. Hollow output shaft with shrink disk.



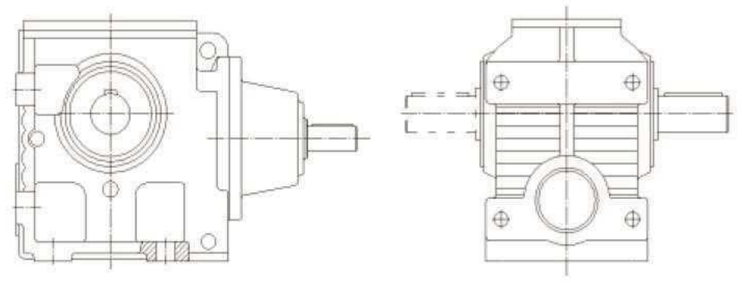
**9.GSAT 型/GSHT 型：** 防转臂安装。

**Type GSAT/GSHT:** Torque arm mounted.



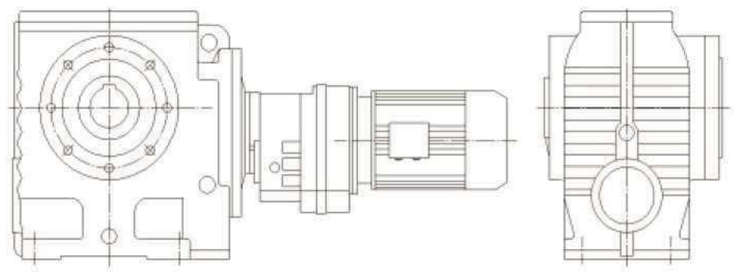
**10.GS..AD 型**：输入轴型。

**Type GS.. AD:** Input shaft types.



**11.GS..R 型：** GS 系列和 GR 系列的组合。

**Type GS..R:** Combined types of type GS and type GR.



S

# GS 系列机型号表示方法 Type Expression of GS Series

G SAF 79 - Y0.75 - 6P - 222.4 - M4 - A - D60 - 270° - 3 - IEC(ZPIEC)

- IEC(ZPIEC): 法兰联接式(用户自配电机) Flange connection (without motor)
- 3: 入线口位置 Position of cable entry
- 270°: 电机接线盒方向（角度）（参见电机接线盒位置表示方法） Terminal box position (angle) (see description of motor terminal box position)
- D60: 空心轴输出时，输出轴孔径（参见安装结构尺寸图表） Bore diameter of selected output shaft (see mounting dimensional description)
- A: 输出法兰方向（参见安装形式图例） Direction of output flange (see mounting arrangement description)
- M4: 安装形式（参见安装形式图例） Mounting arrangement (see mounting arrangement description)
- 222.4: 传动比（参见选型参数表） Ratio (see selection table)
- 6P: 电机极数（参见选型参数表） Pole number of motor (see selection table)
- Y0.75: 电机系列代号和功率（参见选型参数表） Motor type and motor power (see selection table)
- SAF 79: 机型和规格号（参见选型参数表和安装结构尺寸图表） Type size (see selection table and mounting dimensional description)
- G: 公司代号 G, symbol of company

注： 1、需带联接法兰时请注明 IEC。

2、输入轴型没有电机各项内容。

3、不注明减速机的安装形式时，则默认为安装形式中的 M1 位置。不注明接线盒方向时，则默认为安装形式中的 0 度位置。不注明入线口位置时，则默认为 X 位置。

4、对输出轴旋转方向和输入轴旋转方向有特别要求的用户，请与技术部联系，并在订货时用简图或文字说明。

Note: 1、Please make a note, if it needs connecting flange.

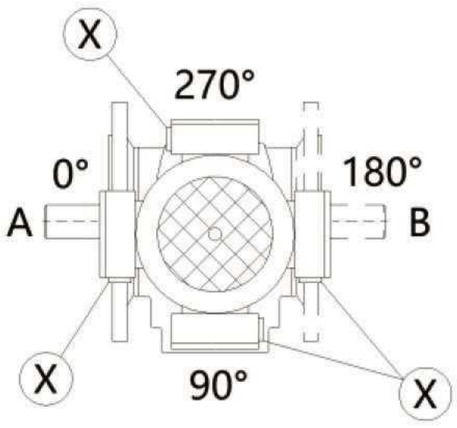
2、Contents of motors for input shaft types are not listed.

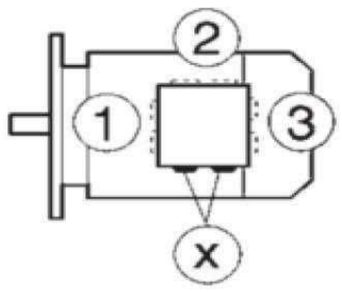
3、It is M1,When the mounting arrangement of the reducer is not mentioned.Degree=0°,if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.

4、If specific rotation directions of output shaft or/and input shaft are specially requested, please contact our technology department, and make detailed description while placing order.

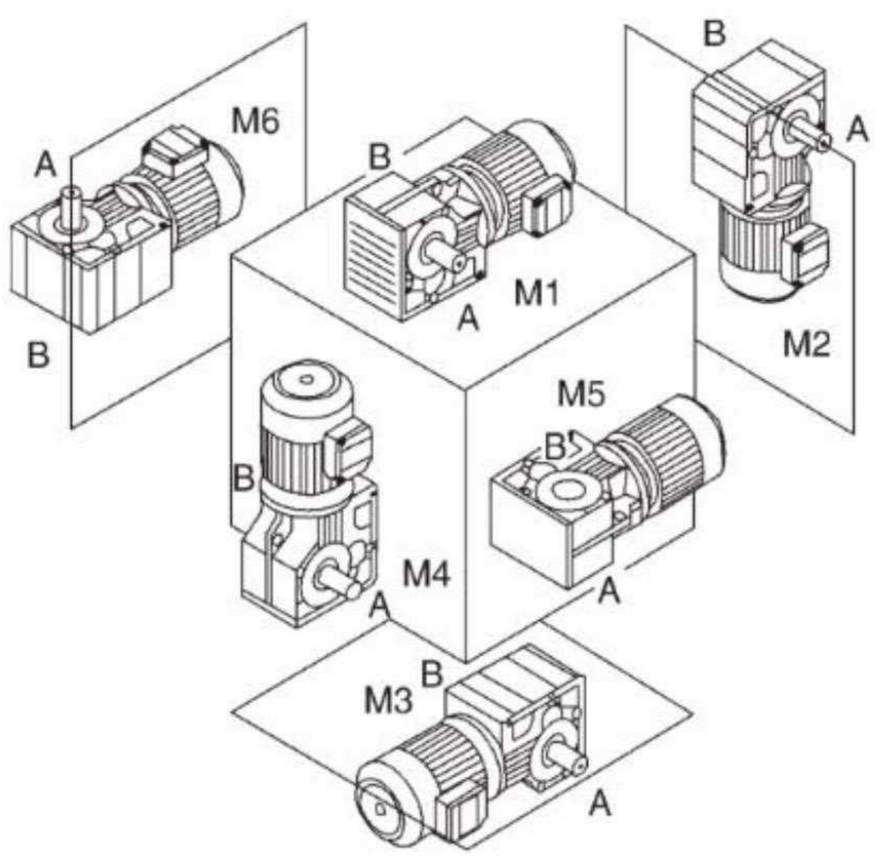
## 电机接线盒位置及入线口位置表示方法

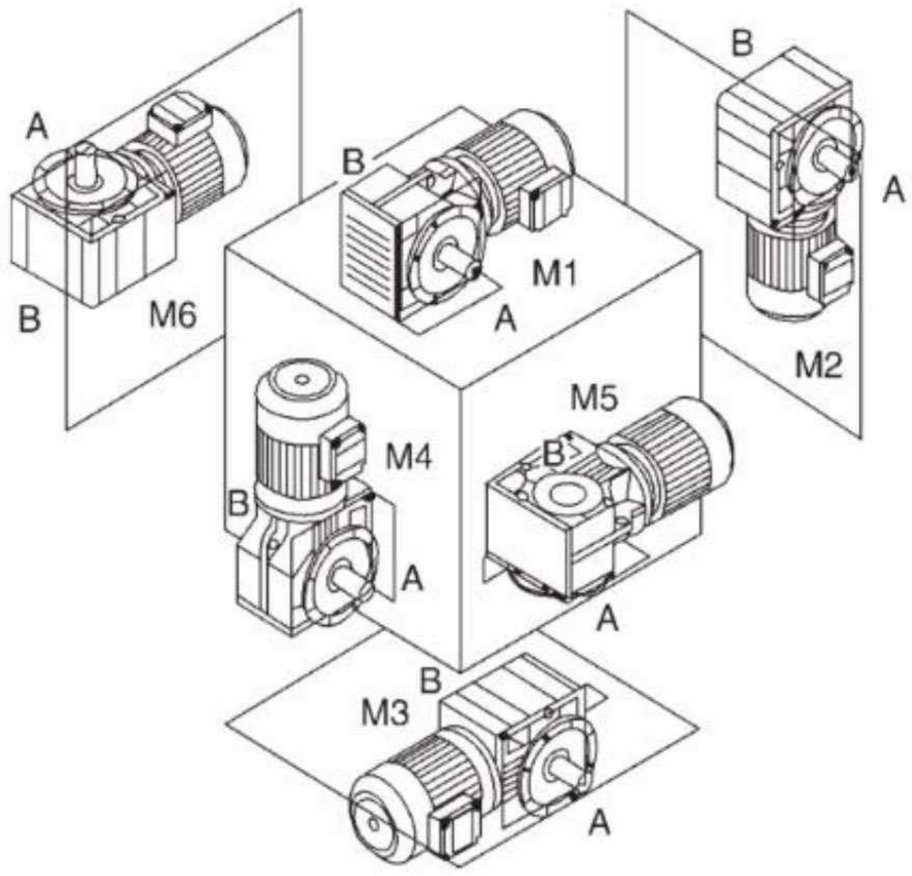
## Description of Motor Terminal Box Position and Cable Entry Position



## 安装形式图例 Mounting Arrangements Description




安装形式定义：

M1-电机水平放置；减速机底脚朝下。

M2-电机居下。

M3-电机水平放置；减速机底脚朝上。

M4-电机居上。

M5-电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到下方位置。

M6-电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到上方位置。

Mounting arrangements are defined as following:

M1-horizontally mounted motor,unit base is at bottom.

M2-motor is vertically mounted downwards.

M3-horizontally mounted motor,unit base is top.

M4-motor is vertically mounted upwards.

M5-horizontally mounted motor,if placed on M1 position,left side of unit turns to bottom(view point:towards from motor side).

M6-horizontally mounted motor,if placed on M1 position,left side of unit turns to top(view point:towards from motor side).

## 减速机重量 Gear Unit Weight

| 机型号 Type size | GS37 | GS47 | GS57 | GS67 | GS77 | GS87 | GS97 | GS107 |
|---|---|---|---|---|---|---|---|---|
| 重量(kg) Weight | 7 | 10 | 14 | 26 | 50 | 95 | 170 | 240 |

注:重量为平均值，不包括电机、联接法兰，仅供参考。

(Note: The weights mean values without the motor and IEC flange, only for reference.)

## 选型参数表注释 Description of Selection Table

恒功率 Constant power

| $n_a$ [r/min] | Ma [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| 输出转速 Output speed | 输出转矩 Output torque | 减速比 Ratio | 许用径向载荷 Permissible radial load | 使用系数 Service factor | | |

恒转矩 Constant torque

| Mamax [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque | 输出转速 Output speed | 减速比 Ratio | 许用径向载荷 Permissible radial load | | 电机功率 Motor power |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 0.10 | 7447 | 12901 | 40 | 0.85 | **GS107R77 GSF107R77 GSA107R77 GSAF107R77** | **4P** |
| 0.11 | 6757 | 11708 | 40 | 0.95 | | |
| 0.12 | 4275 | 11267 | 27 | 0.90 | **GS97R57** | **4P** |
| 0.13 | 3906 | 10078 | 31 | 1.10 | **GSF97R57** | |
| 0.15 | 3240 | 8608 | 32 | 1.25 | **GSA97R57** | |
| 0.17 | 2862 | 7554 | 33 | 1.45 | **GSAF97R57** | |
| 0.20 | 2421 | 6706 | 26 | 1.05 | **GS87R57** | **4P** |
| 0.22 | 2160 | 5875 | 26 | 1.15 | **GSF87R57** | |
| 0.25 | 1791 | 5187 | 27 | 1.30 | **GSA87R57** | |
| 0.28 | 1593 | 4606 | 27 | 1.40 | **GSAF87R57** | |
| 0.34 | 1323 | 3872 | 28 | 1.55 | | |
| 0.37 | 1233 | 3540 | 9.2 | 0.95 | | |
| 0.42 | 1080 | 3098 | 12 | 1.10 | | |
| 0.48 | 1139 | 2753 | 11 | 1.05 | | |
| 0.55 | 1197 | 2374 | 11 | 0.90 | **GS77R37** | **4P** |
| 0.63 | 1053 | 2083 | 12 | 1.10 | **GSF77R37** | |
| 0.72 | 891 | 1813 | 13 | 1.30 | **GSA77R37** | |
| 0.75 | 846 | 1745 | 14 | 1.35 | **GSAF77R37** | |
| 0.82 | 774 | 1600 | 14 | 1.40 | | |
| 0.93 | 680 | 1404 | 14 | 1.50 | | |
| 1.1 | 594 | 1245 | 15 | 1.60 | | |
| 1.1 | 531 | 1194 | 7.8 | 0.85 | | |
| 1.3 | 477 | 1045 | 8.3 | 1.00 | | |
| 1.4 | 414 | 914 | 8.8 | 1.10 | | |
| 1.6 | 378 | 809 | 9.1 | 1.25 | **GS67R37** | **4P** |
| 1.8 | 333 | 712 | 9.4 | 1.40 | **GSF67R37** | |
| 2.1 | 275 | 615 | 10 | 1.55 | **GSA67R37** | |
| 2.4 | 248 | 543 | 10 | 1.60 | **GSAF67R37** | |
| 2.8 | 203 | 469 | 10 | 1.75 | | |
| 3.1 | 185 | 424 | 10 | 1.80 | | |
| 3.6 | 168 | 365 | 10 | 1.95 | | |
| 2.0 | 297 | 655 | 6.6 | 0.85 | | |
| 2.3 | 257 | 574 | 6.9 | 0.95 | | |
| 2.6 | 225 | 506 | 7.2 | 1.10 | **GS57R17** | **4P** |
| 3.0 | 194 | 438 | 7.4 | 1.25 | **GSF57R17** | |
| 3.4 | 170 | 388 | 7.5 | 1.35 | **GSA57R17** | |
| 3.9 | 152 | 336 | 7.6 | 1.45 | **GSAF57R17** | |
| 4.5 | 131 | 294 | 7.7 | 1.55 | | |
| 4.9 | 125 | 269 | 7.7 | 1.60 | | |
| 3.0 | 194 | 438 | 4.8 | 0.80 | | |
| 3.4 | 170 | 388 | 4.9 | 0.85 | | |
| 3.9 | 152 | 336 | 5.1 | 0.95 | **GS47R17** | **4P** |
| 4.5 | 129 | 294 | 5.2 | 1.10 | **GSF47R17** | |
| 5.1 | 88 | 257 | 5.4 | 1.40 | **GSA47R17** | |
| 5.7 | 106 | 229 | 5.3 | 1.30 | **GSAF47R17** | |
| 6.6 | 92 | 200 | 5.3 | 1.35 | | |
| 7.0 | 86 | 187 | 5.4 | 1.40 | | |
| 6.5 | 93 | 202 | 2.9 | 0.85 | | |
| 7.3 | 82 | 179 | 2.9 | 0.95 | **GS37R17** | **4P** |
| 8.3 | 74 | 158 | 2.9 | 1.05 | **GSF37R17** | |
| 9.1 | 68 | 144 | 2.9 | 1.05 | **GSA37R17** | |
| 11 | 55 | 118 | 2.9 | 1.15 | **GSAF37R17** | |
| 12 | 51 | 110 | 2.9 | 1.15 | | |
| 6.5 | 86 | 201.00 | 5.4 | 1.55 | | |
| 7.1 | 80 | 184.80 | 5.4 | 1.60 | **GS47** | **4P** |
| 8.3 | 69 | 158.12 | 5.5 | 1.65 | **GSF47** | |
| 9.6 | 61 | 137.05 | 5.5 | 1.80 | **GSA47** | |
| 10 | 58 | 128.10 | 5.5 | 1.80 | **GSAF47** | |
| 12 | 51 | 110.73 | 5.5 | 1.90 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 8.3 | 67 | 157.43 | 2.9 | 1.10 | | |
| 9.1 | 61 | 144.40 | 2.9 | 1.15 | | |
| 11 | 54 | 122.94 | 2.9 | 1.20 | | |
| 12 | 47 | 106.00 | 2.9 | 1.30 | | |
| 13 | 44 | 98.80 | 2.9 | 1.30 | **GS37** | |
| 15 | 40 | 86.36 | 2.9 | 1.40 | **GSF37** | **4P** |
| 16 | 37 | 80.96 | 2.9 | 1.40 | **GSA37** | |
| 18 | 33 | 71.44 | 2.9 | 1.45 | **GSAF37** | |
| 21 | 30 | 63.33 | 2.9 | 1.55 | | |
| 23 | 32 | 55.93 | 2.9 | 1.50 | | |
| 26 | 30 | 51.30 | 2.9 | 1.55 | | |
| 30 | 25 | 43.68 | 2.9 | 1.65 | | |
| 35 | 23 | 37.66 | 2.9 | 1.75 | | |
| 37 | 21 | 35.10 | 2.9 | 1.75 | | |
| 43 | 18 | 30.68 | 2.9 | 1.85 | | |
| 46 | 17 | 28.76 | 2.9 | 1.90 | **GS37** | |
| 52 | 15 | 25.38 | 2.9 | 2.00 | **GSF37** | **4P** |
| 58 | 14 | 22.50 | 2.9 | 2.05 | **GSA37** | |
| 68 | 13 | 19.13 | 2.9 | 2.20 | **GSAF37** | |
| 69 | 12 | 18.85 | 2.9 | 2.10 | | |
| 79 | 12 | 16.48 | 2.8 | 2.20 | | |
| 85 | 10 | 15.45 | 2.7 | 2.30 | | |
| **0.18kW** | | | | | | |
| 0.16 | 7238 | 8360 | 40 | 0.90 | **GS107R77 GSF107R77 GSA107R77 GSAF107R77** | **4P** |
| 0.28 | 2709 | 4606 | 20 | 0.95 | **GS87R57 GSF87R57 GSA87R57 GSAF87R57** | **4P** |
| 0.34 | 2268 | 3872 | 26 | 1.15 | | |
| 0.38 | 2187 | 3475 | 26 | 1.25 | | |
| 0.45 | 1827 | 2905 | 27 | 1.40 | **GS87R57** | **4P** |
| 0.51 | 1584 | 2586 | 27 | 1.55 | **GSF87R57** | |
| 0.56 | 1413 | 2335 | 27 | 1.60 | **GSA87R57** | |
| 0.64 | 1224 | 2054 | 28 | 1.70 | **GSAF87R57** | |
| 0.72 | 1089 | 1824 | 28 | 1.80 | | |
| 0.80 | 972 | 1631 | 28 | 1.85 | | |
| 0.93 | 1125 | 1404 | 11 | 1.10 | **GS77R37 GSF77R37 GSA77R37 GSAF77R37** | **4P** |
| 1.1 | 990 | 1245 | 13 | 1.20 | | |
| 1.8 | 540 | 712 | 7.7 | 0.95 | | |
| 2.1 | 455 | 615 | 8.5 | 1.10 | **GS67R37** | **4P** |
| 2.4 | 405 | 543 | 8.9 | 1.20 | **GSF67R37** | |
| 2.8 | 342 | 469 | 9.3 | 1.40 | **GSA67R37** | |
| 3.1 | 306 | 424 | 9.5 | 1.50 | **GSAF67R37** | |
| 3.6 | 275 | 365 | 10 | 1.60 | | |
| 3.0 | 320 | 438 | 6.3 | 0.85 | | |
| 3.4 | 284 | 388 | 6.7 | 0.90 | | |
| 3.9 | 248 | 336 | 7.0 | 1.05 | **GS57R17** | **4P** |
| 4.5 | 216 | 294 | 7.2 | 1.20 | **GSF57R17** | |
| 4.9 | 203 | 269 | 7.3 | 1.30 | **GSA57R17** | |
| 5.7 | 174 | 229 | 7.5 | 1.40 | **GSAF57R17** | |
| 6.4 | 157 | 204 | 7.6 | 1.50 | | |
| 7.0 | 143 | 187 | 7.6 | 1.55 | | |
| 4.5 | 231 | 294 | 4.7 | 0.80 | **GS47R17** | **4P** |
| 5.1 | 173 | 257 | 5.1 | 1.10 | **GSF47R17** | |
| 5.7 | 204 | 229 | 4.9 | 0.95 | **GSA47R17** | |
| 6.6 | 179 | 200 | 5.1 | 1.05 | **GSAF47R17** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 7.0 | 168 | 187 | 5.1 | 1.10 | **GS47R17** | **4P** |
| 7.9 | 124 | 165 | 5.2 | 1.20 | **GSF47R17** | |
| 8.9 | 112 | 148 | 5.3 | 1.25 | **GSA47R17** | |
| 10 | 99 | 131 | 5.3 | 1.35 | **GSAF47R17** | |
| 3.9 | 227 | 217.41 | 10 | 1.80 | **GS67** | **6P** |
| 4.5 | 202 | 190.11 | 10 | 1.90 | **GSF67** | |
| 4.7 | 194 | 180.60 | 10 | 1.95 | **GSA67** | |
| | | | | | **GSAF67** | |
| 4.2 | 198 | 201.00 | 7.3 | 1.35 | **GS57** | **6P** |
| 4.6 | 185 | 184.80 | 7.4 | 1.40 | **GSF57** | |
| 5.4 | 162 | 158.12 | 7.5 | 1.50 | **GSA57** | |
| 6.2 | 143 | 137.05 | 7.6 | 1.55 | **GSAF57** | |
| 6.5 | 139 | 201.00 | 7.6 | 1.65 | **GS57** | **4P** |
| 7.1 | 129 | 184.80 | 7.6 | 1.70 | **GSF57** | |
| 8.3 | 113 | 158.12 | 7.7 | 1.80 | **GSA57** | |
| 9.6 | 99 | 137.05 | 7.8 | 1.90 | **GSAF57** | |
| 4.2 | 194 | 201.00 | 4.8 | 0.85 | **GS47** | **6P** |
| 4.6 | 179 | 184.80 | 4.9 | 0.90 | **GSF47** | |
| 5.4 | 156 | 158.12 | 5.1 | 1.00 | **GSA47** | |
| 6.2 | 138 | 137.05 | 5.1 | 1.10 | **GSAF47** | |
| 6.6 | 130 | 128.10 | 5.2 | 1.20 | | |
| 6.5 | 134 | 201.00 | 5.2 | 1.20 | | |
| 7.1 | 124 | 184.80 | 5.2 | 1.30 | | |
| 8.3 | 109 | 158.12 | 5.3 | 1.35 | | |
| 9.6 | 96 | 137.05 | 5.3 | 1.45 | **GS47** | **4P** |
| 10 | 90 | 128.10 | 5.4 | 1.50 | **GSF47** | |
| 12 | 79 | 110.73 | 5.4 | 1.55 | **GSA47** | |
| 14 | 69 | 94.08 | 5.5 | 1.65 | **GSAF47** | |
| 16 | 62 | 84.00 | 5.5 | 1.75 | | |
| 18 | 54 | 71.75 | 5.5 | 1.85 | | |
| 19 | 62 | 69.39 | 5.5 | 1.70 | | |
| 8.3 | 104 | 157.43 | 2.8 | 0.85 | | |
| 9.1 | 96 | 144.40 | 2.8 | 0.90 | | |
| 11 | 84 | 122.94 | 2.8 | 1.00 | | |
| 12 | 74 | 106.00 | 2.8 | 1.05 | | |
| 13 | 69 | 98.80 | 2.8 | 1.05 | | |
| 15 | 61 | 86.36 | 2.8 | 1.15 | | |
| 16 | 58 | 80.96 | 2.8 | 1.15 | | |
| 18 | 52 | 71.44 | 2.8 | 1.20 | | |
| 21 | 47 | 63.33 | 2.8 | 1.25 | | |
| 23 | 50 | 55.93 | 2.8 | 1.20 | | |
| 26 | 46 | 51.30 | 2.8 | 1.25 | **GS37** | **4P** |
| 30 | 40 | 43.68 | 2.8 | 1.35 | **GSF37** | |
| 35 | 34 | 37.66 | 2.8 | 1.40 | **GSA37** | |
| 37 | 32 | 35.10 | 2.8 | 1.45 | **GSAF37** | |
| 43 | 29 | 30.68 | 2.8 | 1.50 | | |
| 46 | 27 | 28.76 | 2.8 | 1.55 | | |
| 52 | 24 | 25.38 | 2.8 | 1.60 | | |
| 58 | 22 | 22.50 | 2.8 | 1.70 | | |
| 68 | 20 | 19.13 | 2.8 | 1.80 | | |
| 69 | 19 | 18.85 | 2.8 | 1.75 | | |
| 79 | 17 | 16.48 | 2.7 | 1.80 | | |
| 85 | 16 | 15.45 | 2.6 | 1.85 | | |
| 96 | 14 | 13.63 | 2.5 | 1.95 | | |
| 108 | 13 | 12.08 | 2.5 | 2.00 | | |
| 128 | 11 | 10.27 | 2.4 | 2.15 | | |
| **0.25kW** | | | | | | |
| 0.20 | 7766 | 6557 | 40 | 0.85 | **GS107R77** **GSF107R77** | **4P** |
| 0.23 | 6832 | 5769 | 40 | 0.95 | **GSA107R77** **GSAF107R77** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 0.46 | 2637 | 2905 | 23 | 0.85 | **GS87R57** **GSF87R57** **GSA87R57** **GSAF87R57** | **4P** |
| 0.51 | 2304 | 2586 | 26 | 1.00 | | |
| 0.57 | 2070 | 2335 | 27 | 1.10 | | |
| 0.65 | 1800 | 2054 | 27 | 1.30 | | |
| 0.73 | 1593 | 1824 | 27 | 1.45 | | |
| 0.82 | 1431 | 1631 | 28 | 1.60 | | |
| 1.4 | 837 | 930 | 28 | 2.05 | | |
| 1.4 | 1134 | 954 | 11 | 1.00 | | |
| 1.6 | 999 | 837 | 13 | 1.15 | **GS77R37** | **4P** |
| 1.9 | 837 | 714 | 14 | 1.35 | **GSF77R37** | |
| 2.1 | 738 | 637 | 14 | 1.55 | **GSA77R37** | |
| 2.3 | 671 | 574 | 14 | 1.60 | **GSAF77R37** | |
| 2.7 | 576 | 499 | 15 | 1.70 | | |
| 2.4 | 585 | 543 | 7.0 | 0.90 | | |
| 2.8 | 495 | 469 | 8.1 | 1.00 | **GS67R37** | **4P** |
| 3.1 | 446 | 424 | 8.5 | 1.10 | **GSF67R37** | |
| 3.6 | 396 | 365 | 8.9 | 1.30 | **GSA67R37** | |
| 4.2 | 342 | 319 | 9.3 | 1.40 | **GSAF67R37** | |
| 4.7 | 302 | 281 | 9.5 | 1.50 | | |
| 4.5 | 311 | 294 | 6.4 | 0.85 | | |
| 4.9 | 288 | 269 | 6.6 | 0.95 | **GS57R17** | **4P** |
| 5.8 | 248 | 229 | 7.0 | 1.10 | **GSF57R17** | |
| 6.5 | 225 | 204 | 7.2 | 1.20 | **GSA57R17** | |
| 7.1 | 207 | 187 | 7.3 | 1.30 | **GSAF57R17** | |
| 8.1 | 180 | 165 | 7.4 | 1.40 | | |
| 10 | 146 | 131 | 7.6 | 1.50 | | |
| 2.9 | 392 | 217.41 | 8.9 | 1.20 | **GS67** | **8P** |
| 3.4 | 351 | 190.11 | 9.2 | 1.35 | **GSF67** | |
| 3.5 | 333 | 180.60 | 9.3 | 1.45 | **GSA67** | |
| 4.0 | 297 | 158.45 | 9.5 | 1.55 | **GSAF67** | |
| 3.9 | 315 | 217.41 | 9.4 | 1.50 | **GS67** | **6P** |
| 4.5 | 279 | 190.11 | 10 | 1.60 | **GSF67** | |
| 4.7 | 266 | 180.60 | 10 | 1.65 | **GSA67** | |
| 5.4 | 239 | 158.45 | 10 | 1.75 | **GSAF67** | |
| 6.1 | 221 | 217.41 | 10 | 1.85 | | |
| 7.0 | 198 | 190.11 | 10 | 1.95 | **GS67** | **4P** |
| 7.4 | 189 | 180.60 | 10 | 2.00 | **GSF67** | |
| 8.4 | 168 | 158.45 | 10 | 2.10 | **GSA67** | |
| 10 | 145 | 134.40 | 10 | 2.20 | **GSAF67** | |
| 11 | 132 | 121.33 | 10 | 2.30 | | |
| 12 | 118 | 106.75 | 10 | 2.40 | | |
| 4.2 | 275 | 201.00 | 6.7 | 0.95 | **GS57** | **6P** |
| 4.6 | 257 | 184.80 | 6.9 | 1.00 | **GSF57** | |
| 5.4 | 221 | 158.12 | 7.1 | 1.20 | **GSA57** | |
| 6.2 | 198 | 137.05 | 7.3 | 1.35 | **GSAF57** | |
| 6.6 | 185 | 128.10 | 7.4 | 1.35 | | |
| 6.6 | 194 | 201.00 | 7.3 | 1.40 | | |
| 7.2 | 180 | 184.80 | 7.4 | 1.45 | | |
| 8.4 | 158 | 158.12 | 7.5 | 1.55 | **GS57** | **4P** |
| 9.7 | 140 | 137.05 | 7.6 | 1.60 | **GSF57** | |
| 10 | 131 | 128.10 | 7.6 | 1.65 | **GSA57** | |
| 12 | 116 | 110.73 | 7.7 | 1.75 | **GSAF57** | |
| 14 | 100 | 94.08 | 7.8 | 1.85 | | |
| 16 | 91 | 84.00 | 7.8 | 1.95 | | |
| 6.6 | 194 | 201.00 | 4.9 | 0.80 | | |
| 7.2 | 178 | 184.80 | 4.9 | 0.85 | | |
| 8.4 | 157 | 158.12 | 5.1 | 1.00 | **GS47** | **4P** |
| 9.7 | 136 | 137.05 | 5.2 | 1.10 | **GSF47** | |
| 10 | 129 | 128.10 | 5.2 | 1.20 | **GSA47** | |
| 12 | 113 | 110.73 | 5.3 | 1.35 | **GSAF47** | |
| 14 | 98 | 94.08 | 5.3 | 1.40 | | |
| 16 | 89 | 84.00 | 5.4 | 1.45 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 19 | 77 | 71.75 | 5.4 | 1.55 | | |
| 19 | 87 | 69.39 | 5.4 | 1.40 | **GS47** | |
| 20 | 72 | 67.20 | 5.5 | 1.60 | **GSF47** | |
| 21 | 81 | 63.80 | 5.4 | 1.45 | **GSA47** | **4P** |
| 24 | 70 | 54.59 | 5.4 | 1.55 | **GSAF47** | |
| 28 | 61 | 47.32 | 5.5 | 1.65 | | |
| 13 | 97 | 98.80 | 2.8 | 0.85 | | |
| 15 | 86 | 86.36 | 2.8 | 0.90 | | |
| 16 | 82 | 80.96 | 2.8 | 0.95 | | |
| 19 | 73 | 71.44 | 2.8 | 1.00 | | |
| 21 | 66 | 63.33 | 2.8 | 1.05 | | |
| 24 | 70 | 55.93 | 2.8 | 1.05 | | |
| 26 | 65 | 51.30 | 2.8 | 1.05 | | |
| 30 | 56 | 43.68 | 2.8 | 1.15 | | |
| 35 | 49 | 37.66 | 2.8 | 1.20 | **GS37** | |
| 38 | 46 | 35.10 | 2.8 | 1.20 | **GSF37** | |
| 43 | 41 | 30.68 | 2.8 | 1.30 | **GSA37** | **4P** |
| 46 | 38 | 28.76 | 2.8 | 1.30 | **GSAF37** | |
| 52 | 33 | 25.38 | 2.8 | 1.40 | | |
| 59 | 30 | 22.50 | 2.8 | 1.45 | | |
| 70 | 29 | 19.13 | 2.7 | 1.60 | | |
| 71 | 26 | 18.85 | 2.7 | 1.50 | | |
| 81 | 23 | 16.48 | 2.6 | 1.60 | | |
| 86 | 20 | 15.45 | 2.6 | 1.65 | | |
| 98 | 18 | 13.63 | 2.5 | 1.70 | | |
| 110 | 16 | 12.08 | 2.4 | 1.80 | | |
| 130 | 15 | 10.27 | 2.3 | 1.85 | | |
| 95 | 19 | 28.76 | 2.6 | 1.70 | | |
| 107 | 17 | 25.38 | 2.5 | 1.75 | | |
| 121 | 15 | 22.50 | 2.4 | 1.85 | **GS37** | |
| 142 | 14 | 19.13 | 2.3 | 1.95 | **GSF37** | |
| 144 | 14 | 18.85 | 2.2 | 1.90 | **GSA37** | **2P** |
| 165 | 12 | 16.48 | 2.2 | 2.00 | **GSAF37** | |
| 176 | 12 | 15.45 | 2.1 | 2.05 | | |
| 200 | 10 | 13.63 | 2.1 | 2.15 | | |
| 225 | 8 | 12.08 | 2.0 | 2.20 | | |
| **0.37kW** | | | | | | |
| 0.31 | 7586 | 4328 | 40 | 0.85 | **GS107R77 GSF107R77 GSA107R77 GSAF107R77** | **4P** |
| 0.65 | 2574 | 2054 | 24 | 1.00 | **GS87R57** | |
| 0.73 | 2286 | 1824 | 26 | 1.10 | **GSF87R57** | |
| 0.82 | 2043 | 1631 | 27 | 1.20 | **GSA87R57** | **4P** |
| 1.4 | 1206 | 930 | 28 | 1.70 | **GSAF87R57** | |
| 1.6 | 1089 | 831 | 28 | 1.75 | | |
| 1.9 | 1179 | 714 | 11 | 1.00 | | |
| 2.1 | 1053 | 637 | 12 | 1.15 | **GS77R37** | |
| 2.3 | 954 | 574 | 13 | 1.25 | **GSF77R37** | |
| 2.7 | 819 | 499 | 14 | 1.35 | **GSA77R37** | **4P** |
| 3.0 | 720 | 438 | 14 | 1.50 | **GSAF77R37** | |
| 3.4 | 639 | 389 | 15 | 1.60 | | |
| 3.6 | 563 | 365 | 7.3 | 0.85 | **GS67R37** | |
| 4.2 | 491 | 319 | 8.1 | 1.00 | **GSF67R37** | |
| 4.7 | 432 | 281 | 8.6 | 1.10 | **GSA67R37** | **4P** |
| 5.4 | 387 | 246 | 9.0 | 1.25 | **GSAF67R37** | |
| 2.3 | 882 | 288.00 | 28 | 2.00 | **GS87** | |
| 2.6 | 801 | 258.18 | 28 | 2.10 | **GSF87** | |
| 3.0 | 698 | 222.40 | 28 | 2.25 | **GSA87 GSAF87** | **8P** |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 2.9 | 662 | 225.26 | 14 | 1.65 | **GS77** | |
| 3.1 | 630 | 214.00 | 15 | 1.65 | **GSF77** | |
| 3.5 | 567 | 189.09 | 15 | 1.75 | **GSA77** | **8P** |
| 4.1 | 491 | 161.60 | 15 | 1.90 | **GSAF77** | |
| 3.5 | 581 | 256.47 | 15 | 1.75 | **GS77** | |
| 4.0 | 518 | 225.26 | 15 | 1.85 | **GSF77** | |
| 4.2 | 491 | 214.00 | 15 | 1.90 | **GSA77 GSAF77** | **6P** |
| 4.1 | 455 | 217.41 | 8.4 | 1.10 | **GS67** | |
| 4.7 | 405 | 190.11 | 8.8 | 1.25 | **GSF67** | |
| 4.9 | 387 | 180.60 | 8.9 | 1.35 | **GSA67** | **6P** |
| 5.6 | 342 | 158.45 | 9.2 | 1.45 | **GSAF67** | |
| 6.1 | 311 | 217.41 | 9.4 | 1.50 | | |
| 7.0 | 279 | 190.11 | 10 | 1.60 | **GS67** | |
| 7.4 | 266 | 180.60 | 10 | 1.65 | **GSF67** | |
| 8.4 | 234 | 158.45 | 10 | 1.70 | **GSA67** | **4P** |
| 9.9 | 203 | 134.40 | 10 | 1.85 | **GSAF67** | |
| 11 | 185 | 121.33 | 10 | 1.90 | | |
| 5.6 | 355 | 158.12 | 6.2 | 0.80 | | |
| 6.5 | 316 | 137.05 | 6.6 | 0.95 | **GS57** | |
| 6.9 | 296 | 128.10 | 6.7 | 1.00 | **GSF57** | |
| 8.0 | 263 | 110.73 | 7.0 | 1.10 | **GSA57** | **6P** |
| 9.4 | 226 | 94.08 | 7.2 | 1.30 | **GSAF57** | |
| 11 | 205 | 84.00 | 7.4 | 1.35 | | |
| 6.6 | 275 | 201.00 | 6.7 | 0.95 | | |
| 7.2 | 257 | 184.80 | 6.9 | 1.05 | | |
| 8.4 | 221 | 158.12 | 7.1 | 1.20 | | |
| 9.7 | 198 | 137.05 | 7.3 | 1.35 | | |
| 10 | 185 | 128.10 | 7.4 | 1.35 | **GS57** | |
| 12 | 162 | 110.73 | 7.5 | 1.45 | **GSF57** | |
| 14 | 140 | 94.08 | 7.6 | 1.50 | **GSA57** | **4P** |
| 16 | 127 | 84.00 | 7.7 | 1.60 | **GSAF57** | |
| 19 | 110 | 71.75 | 7.7 | 1.70 | | |
| 19 | 125 | 69.39 | 7.7 | 1.60 | | |
| 20 | 104 | 67.20 | 7.7 | 1.70 | | |
| 21 | 115 | 63.80 | 7.7 | 1.65 | | |
| 10 | 189 | 137.05 | 4.9 | 0.80 | | |
| 10 | 179 | 128.10 | 4.9 | 0.85 | | |
| 12 | 158 | 110.73 | 5.1 | 0.95 | **GS47** | |
| 14 | 136 | 94.08 | 5.2 | 1.10 | **GSF47** | |
| 16 | 123 | 84.00 | 5.2 | 1.20 | **GSA47** | **4P** |
| 19 | 107 | 71.75 | 5.3 | 1.30 | **GSAF47** | |
| 19 | 122 | 69.39 | 5.2 | 1.15 | | |
| 20 | 101 | 67.20 | 5.3 | 1.30 | | |
| 21 | 113 | 63.80 | 5.2 | 1.20 | | |
| 24 | 98 | 54.59 | 5.3 | 1.30 | | |
| 28 | 86 | 47.32 | 5.1 | 1.35 | | |
| 30 | 81 | 44.23 | 5.1 | 1.40 | | |
| 35 | 70 | 38.23 | 4.9 | 1.45 | **GS47** | |
| 41 | 60 | 32.48 | 4.7 | 1.55 | **GSF47** | |
| 46 | 54 | 29.00 | 4.6 | 1.65 | **GSA47** | **4P** |
| 54 | 47 | 24.77 | 4.4 | 1.70 | **GSAF47** | |
| 57 | 44 | 23.20 | 4.3 | 1.75 | | |
| 68 | 41 | 19.54 | 4.0 | 1.90 | | |
| 75 | 36 | 17.80 | 3.8 | 2.00 | | |
| 88 | 33 | 15.12 | 3.8 | 2.10 | | |
| 21 | 93 | 63.33 | 2.8 | 0.85 | **GS37** | |
| 26 | 91 | 51.30 | 2.8 | 0.85 | **GSF37** | |
| 30 | 78 | 43.68 | 2.8 | 0.95 | **GSA37** | **4P** |
| 35 | 68 | 37.66 | 2.8 | 1.00 | **GSAF37** | |
| 38 | 64 | 35.10 | 2.8 | 1.00 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 43 | 57 | 30.68 | 2.8 | 1.05 | | |
| 46 | 53 | 28.76 | 2.8 | 1.10 | | |
| 52 | 47 | 25.38 | 2.8 | 1.20 | | |
| 59 | 42 | 22.50 | 2.7 | 1.20 | **GS37** | |
| 70 | 40 | 19.13 | 2.5 | 1.30 | **GSF37** | |
| 71 | 37 | 18.85 | 2.4 | 1.25 | **GSA37** | **4P** |
| 81 | 32 | 16.48 | 2.4 | 1.30 | **GSAF37** | |
| 86 | 27 | 15.45 | 2.4 | 1.35 | | |
| 98 | 25 | 13.63 | 2.3 | 1.40 | | |
| 110 | 23 | 12.08 | 2.3 | 1.40 | | |
| 130 | 21 | 10.27 | 2.2 | 1.50 | | |
| 108 | 25 | 25.38 | 2.4 | 1.45 | | |
| 122 | 23 | 22.50 | 2.3 | 1.50 | | |
| 143 | 22 | 19.13 | 2.2 | 1.60 | **GS37** | |
| 145 | 20 | 18.85 | 2.1 | 1.55 | **GSF37** | |
| 166 | 17 | 16.48 | 2.1 | 1.65 | **GSA37** | **2P** |
| 177 | 14 | 15.45 | 2.1 | 1.65 | **GSAF37** | |
| 201 | 14 | 13.63 | 2.0 | 1.75 | | |
| 227 | 12 | 12.08 | 1.9 | 1.80 | | |
| 267 | 11 | 10.27 | 1.8 | 1.95 | | |
| **0.55kW** | | | | | | |
| 0.55 | 6307 | 2530 | 40 | 1.05 | **GS107R77 GSF107R77 GSA107R77 GSAF107R77** | **4P** |
| 1.0 | 2565 | 1332 | 24 | 0.90 | | |
| 1.2 | 2313 | 1191 | 26 | 1.00 | | |
| 1.3 | 2016 | 1032 | 27 | 1.15 | **GS87R57** | |
| 1.5 | 1863 | 930 | 27 | 1.25 | **GSF87R57** | |
| 1.7 | 1683 | 831 | 27 | 1.35 | **GSA87R57** | **4P** |
| 1.9 | 1458 | 719 | 28 | 1.55 | **GSAF87R57** | |
| 2.2 | 1278 | 624 | 28 | 1.60 | | |
| 2.5 | 1152 | 558 | 28 | 1.70 | | |
| 3.2 | 918 | 435 | 28 | 1.90 | | |
| 3.2 | 1107 | 438 | 12 | 1.05 | **GS77R37** | |
| 3.6 | 981 | 389 | 13 | 1.15 | **GSF77R37** | |
| 4.3 | 828 | 327 | 14 | 1.35 | **GSA77R37** | **4P** |
| 4.8 | 747 | 289 | 14 | 1.45 | **GSAF77R37** | |
| 5.6 | 648 | 250 | 15 | 1.55 | | |
| 5.7 | 594 | 246 | 6.3 | 0.85 | **GS67R37** | |
| 6.3 | 531 | 221 | 7.7 | 0.95 | **GSF67R37** | |
| 7.0 | 482 | 198 | 8.2 | 1.05 | **GSA67R37** | **4P** |
| 8.3 | 414 | 168 | 8.8 | 1.20 | **GSAF67R37** | |
| 2.3 | 1305 | 288.00 | 28 | 1.65 | **GS87** | |
| 2.6 | 1188 | 258.18 | 28 | 1.70 | **GSF87** | |
| 3.0 | 1035 | 222.40 | 28 | 1.85 | **GSA87** | **8P** |
| | | | | | **GSAF87** | |
| 3.1 | 1017 | 288.00 | 28 | 1.85 | **GS87** | |
| 3.4 | 918 | 258.18 | 28 | 1.95 | **GSF87** | |
| 4.0 | 810 | 222.40 | 28 | 2.05 | **GSA87** | **6P** |
| 4.4 | 738 | 202.96 | 28 | 2.10 | **GSAF87** | |
| 2.9 | 981 | 225.26 | 13 | 1.15 | **GS77** | |
| 3.1 | 936 | 214.00 | 13 | 1.20 | **GSF77** | |
| 3.5 | 837 | 189.09 | 13 | 1.35 | **GSA77** | **8P** |
| 4.1 | 729 | 161.60 | 14 | 1.55 | **GSAF77** | |
| 3.5 | 864 | 256.47 | 13 | 1.35 | **GS77** | |
| 4.0 | 765 | 225.26 | 14 | 1.50 | **GSF77** | |
| 4.2 | 729 | 214.00 | 14 | 1.55 | **GSA77** | **6P** |
| 4.7 | 657 | 189.09 | 14 | 1.60 | **GSAF77** | |
| 5.5 | 572 | 161.60 | 15 | 1.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 5.4 | 594 | 256.47 | 15 | 1.70 | **GS77** | |
| 6.2 | 531 | 225.26 | 15 | 1.80 | **GSF77** | |
| 6.5 | 504 | 214.00 | 15 | 1.85 | **GSA77** | **4P** |
| 7.4 | 455 | 189.09 | 15 | 1.95 | **GSAF77** | |
| 6.4 | 468 | 217.41 | 8.2 | 1.00 | **GS67** | |
| 7.3 | 419 | 190.11 | 8.7 | 1.10 | **GSF67** | |
| 7.7 | 401 | 180.60 | 8.8 | 1.15 | **GSA67** | **4P** |
| 8.8 | 356 | 158.45 | 9.1 | 1.30 | **GSAF67** | |
| 10 | 306 | 134.40 | 9.4 | 1.50 | | |
| 11 | 279 | 121.33 | 10 | 1.55 | | |
| 13 | 248 | 106.75 | 10 | 1.65 | **GS67** | |
| 14 | 239 | 100.80 | 10 | 1.65 | **GSF67** | |
| 16 | 207 | 85.83 | 10 | 1.75 | **GSA67** | **4P** |
| 19 | 207 | 75.06 | 10 | 1.70 | **GSAF67** | |
| 21 | 185 | 65.63 | 10 | 1.75 | | |
| 9.5 | 306 | 94.08 | 6.4 | 0.85 | | |
| 11 | 275 | 84.00 | 6.7 | 0.95 | | |
| 12 | 239 | 71.75 | 7.0 | 1.10 | **GS57** | |
| 13 | 225 | 67.20 | 7.1 | 1.15 | **GSF57** | |
| 16 | 221 | 54.59 | 7.1 | 1.10 | **GSA57** | **6P** |
| 19 | 194 | 47.32 | 7.3 | 1.30 | **GSAF57** | |
| 20 | 180 | 44.23 | 7.4 | 1.35 | | |
| 23 | 158 | 38.23 | 7.5 | 1.40 | | |
| 8.8 | 333 | 158.12 | 6.0 | 0.80 | | |
| 10 | 297 | 137.05 | 6.5 | 0.90 | | |
| 11 | 279 | 128.10 | 6.7 | 0.95 | | |
| 13 | 243 | 110.73 | 7.0 | 1.10 | | |
| 15 | 212 | 94.08 | 7.2 | 1.25 | | |
| 17 | 189 | 84.00 | 7.3 | 1.30 | | |
| 19 | 166 | 71.75 | 7.5 | 1.40 | **GS57** | |
| 21 | 157 | 67.20 | 7.5 | 1.40 | **GSF57** | |
| 25 | 150 | 54.59 | 7.6 | 1.45 | **GSA57** | **4P** |
| 29 | 131 | 47.32 | 7.6 | 1.55 | **GSAF57** | |
| 31 | 123 | 44.23 | 7.7 | 1.55 | | |
| 36 | 108 | 38.23 | 7.7 | 1.65 | | |
| 43 | 93 | 32.48 | 7.6 | 1.75 | | |
| 48 | 83 | 29.00 | 7.3 | 1.85 | | |
| 56 | 71 | 24.77 | 7.0 | 1.95 | | |
| 60 | 68 | 23.20 | 6.9 | 2.00 | | |
| 71 | 62 | 19.54 | 6.4 | 2.10 | | |
| 17 | 185 | 84.00 | 4.9 | 0.80 | | |
| 19 | 161 | 71.75 | 5.0 | 0.95 | | |
| 21 | 152 | 67.20 | 5.1 | 1.00 | | |
| 25 | 149 | 54.59 | 4.9 | 0.95 | | |
| 29 | 130 | 47.32 | 4.8 | 1.10 | | |
| 31 | 122 | 44.23 | 4.7 | 1.15 | | |
| 36 | 106 | 38.23 | 4.6 | 1.20 | | |
| 43 | 91 | 32.48 | 4.4 | 1.30 | **GS47** | |
| 48 | 82 | 29.00 | 4.3 | 1.30 | **GSF47** | |
| 56 | 70 | 24.77 | 4.2 | 1.40 | **GSA47** | **4P** |
| 60 | 67 | 23.20 | 4.1 | 1.45 | **GSAF47** | |
| 71 | 62 | 19.54 | 3.7 | 1.55 | | |
| 78 | 54 | 17.80 | 3.6 | 1.65 | | |
| 92 | 50 | 15.12 | 3.6 | 1.75 | | |
| 103 | 44 | 13.50 | 3.4 | 1.80 | | |
| 121 | 38 | 11.53 | 3.3 | 1.90 | | |
| 129 | 33 | 10.80 | 3.2 | 1.95 | | |
| 153 | 29 | 9.10 | 3.1 | 2.10 | | |
| 45 | 85 | 30.68 | 2.5 | 0.80 | **GS37** | |
| 48 | 80 | 28.76 | 2.5 | 0.85 | **GSF37** | |
| 55 | 71 | 25.38 | 2.5 | 0.95 | **GSA37** | **4P** |
| 62 | 63 | 22.50 | 2.5 | 1.00 | **GSAF37** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 73 | 54 | 19.13 | 2.4 | 1.05 | | |
| 74 | 53 | 18.85 | 2.4 | 1.05 | **GS37** | |
| 84 | 48 | 16.48 | 2.2 | 1.10 | **GSF37** | |
| 90 | 45 | 15.45 | 2.1 | 1.10 | **GSA37** | **4P** |
| 102 | 40 | 13.63 | 2.1 | 1.15 | **GSAF37** | |
| 115 | 36 | 12.08 | 2.1 | 1.20 | | |
| 135 | 31 | 10.27 | 2.0 | 1.30 | | |
| 95 | 41 | 28.76 | 2.3 | 1.15 | | |
| 108 | 37 | 25.38 | 2.2 | 1.20 | | |
| 122 | 33 | 22.50 | 2.2 | 1.25 | | |
| 143 | 28 | 19.13 | 2.0 | 1.30 | **GS37** | |
| 145 | 28 | 18.85 | 2.0 | 1.30 | **GSF37** | |
| 166 | 24 | 16.48 | 1.9 | 1.35 | **GSA37** | **2P** |
| 177 | 23 | 15.45 | 1.9 | 1.35 | **GSAF37** | |
| 201 | 21 | 13.63 | 1.9 | 1.45 | | |
| 227 | 18 | 12.08 | 1.7 | 1.50 | | |
| 267 | 15 | 10.27 | 1.7 | 1.60 | | |
| **0.75kW** | | | | | | |
| 0.63 | 8406 | 2208 | 40 | 0.85 | **GS107R77** | |
| 0.71 | 6628 | 1950 | 40 | 1.00 | **GSF107R77** **GSA107R77** **GSAF107R77** | **4P** |
| 1.1 | 4419 | 1223 | 20 | 0.85 | | |
| 1.3 | 3870 | 1070 | 29 | 1.00 | | |
| 1.5 | 3339 | 928 | 32 | 1.15 | **GS97R57** | |
| 1.7 | 2943 | 824 | 33 | 1.30 | **GSF97R77** | **4P** |
| 1.9 | 2097 | 714 | 34 | 1.75 | **GSA97R57** | |
| 2.2 | 2232 | 626 | 34 | 1.70 | **GSAF97R57** | |
| 2.6 | 1917 | 538 | 34 | 1.85 | | |
| 2.9 | 1737 | 484 | 34 | 1.95 | | |
| 1.3 | 2754 | 1032 | 18 | 0.90 | | |
| 1.5 | 2538 | 930 | 25 | 1.00 | | |
| 1.7 | 2286 | 831 | 26 | 1.10 | **GS87R57** | |
| 1.9 | 1998 | 719 | 27 | 1.25 | **GSF87R57** | **4P** |
| 2.2 | 1746 | 624 | 27 | 1.40 | **GSA87R57** | |
| 2.5 | 1575 | 558 | 27 | 1.45 | **GSAF87R57** | |
| 3.2 | 1260 | 435 | 28 | 1.60 | | |
| 4.3 | 963 | 323 | 28 | 1.85 | | |
| 4.3 | 1125 | 327 | 11 | 1.05 | **GS77R37** | |
| 4.8 | 1008 | 289 | 12 | 1.15 | **GSF77R37** | |
| 5.6 | 873 | 250 | 13 | 1.30 | **GSA77R37** | **4P** |
| 6.3 | 774 | 219 | 14 | 1.40 | **GSAF77R37** | |
| 2.4 | 1836 | 286.40 | 34 | 1.90 | **GS97** | |
| 2.6 | 1701 | 262.22 | 34 | 1.95 | **GSF97** | **8P** |
| 3.0 | 1521 | 231.67 | 35 | 2.05 | **GSA97** **GSAF97** | |
| 3.2 | 1386 | 288.00 | 28 | 1.60 | **GS87** | |
| 3.5 | 1260 | 258.18 | 28 | 1.65 | **GSF87** | **6P** |
| 4.1 | 1098 | 222.40 | 28 | 1.80 | **GSA87** | |
| 4.5 | 1008 | 202.96 | 28 | 1.85 | **GSAF87** | |
| 4.8 | 945 | 288.00 | 28 | 1.90 | **GS87** | |
| 5.4 | 855 | 258.18 | 28 | 2.00 | **GSF87** | **4P** |
| 6.3 | 747 | 222.40 | 28 | 2.10 | **GSA87** | |
| 6.8 | 689 | 202.96 | 28 | 2.20 | **GSAF87** | |
| 4.0 | 1044 | 225.26 | 12 | 1.10 | **GS77** | |
| 4.3 | 999 | 214.00 | 12 | 1.15 | **GSF77** | **6P** |
| 4.8 | 891 | 189.09 | 13 | 1.30 | **GSA77** | |
| 5.6 | 774 | 161.60 | 14 | 1.45 | **GSAF77** | |
| 5.4 | 801 | 256.47 | 14 | 1.45 | **GS77** | |
| 6.2 | 711 | 225.26 | 14 | 1.55 | **GSF77** | **4P** |
| 6.5 | 680 | 214.00 | 14 | 1.60 | **GSA77** | |
| 7.4 | 608 | 189.09 | 15 | 1.65 | **GSAF77** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 8.6 | 527 | 161.60 | 15 | 1.75 | **GS77** | |
| 9.4 | 491 | 148.15 | 15 | 1.80 | **GSF77** | |
| 11 | 432 | 130.00 | 15 | 1.90 | **GSA77** | **4P** |
| 11 | 414 | 123.20 | 15 | 1.95 | **GSAF77** | |
| 13 | 365 | 107.83 | 15 | 2.05 | | |
| 7.3 | 563 | 190.11 | 7.2 | 0.80 | | |
| 7.7 | 536 | 180.60 | 7.5 | 0.85 | | |
| 8.8 | 477 | 158.45 | 8.1 | 1.00 | | |
| 10 | 414 | 134.40 | 8.7 | 1.15 | | |
| 11 | 378 | 121.33 | 9.0 | 1.25 | **GS67** | |
| 13 | 338 | 106.75 | 9.3 | 1.40 | **GSF67** | |
| 14 | 320 | 100.80 | 9.4 | 1.40 | **GSA67** | **4P** |
| 16 | 275 | 85.83 | 10 | 1.50 | **GSAF67** | |
| 19 | 279 | 75.06 | 10 | 1.50 | | |
| 21 | 248 | 65.63 | 10 | 1.55 | | |
| 22 | 234 | 62.35 | 10 | 1.60 | | |
| 25 | 207 | 54.70 | 10 | 1.65 | | |
| 30 | 178 | 46.40 | 9.3 | 1.80 | | |
| 13 | 329 | 71.75 | 6.1 | 0.80 | **GS57** | |
| 14 | 311 | 67.20 | 6.3 | 0.85 | **GSF57** | |
| 16 | 284 | 56.61 | 6.8 | 1.00 | **GSA57** | **6P** |
| 19 | 266 | 47.32 | 6.8 | 0.90 | **GSAF57** | |
| 21 | 248 | 44.23 | 6.9 | 1.00 | | |
| 13 | 329 | 110.73 | 6.1 | 0.80 | | |
| 15 | 284 | 94.08 | 6.6 | 0.95 | | |
| 17 | 257 | 84.00 | 6.8 | 1.05 | **GS57** | |
| 19 | 225 | 71.75 | 7.1 | 1.15 | **GSF57** | |
| 21 | 212 | 67.20 | 7.2 | 1.20 | **GSA57** | **4P** |
| 25 | 203 | 54.59 | 7.3 | 1.25 | **GSAF57** | |
| 29 | 177 | 47.32 | 7.4 | 1.30 | | |
| 31 | 167 | 44.23 | 7.5 | 1.35 | | |
| 36 | 145 | 38.23 | 7.6 | 1.40 | | |
| 43 | 124 | 32.48 | 7.3 | 1.50 | | |
| 48 | 112 | 29.00 | 7.1 | 1.55 | | |
| 56 | 96 | 24.77 | 6.8 | 1.65 | **GS57** | |
| 60 | 90 | 23.20 | 6.7 | 1.70 | **GSF57** | **4P** |
| 71 | 84 | 19.54 | 6.2 | 1.80 | **GSA57** | |
| 78 | 73 | 17.80 | 5.9 | 1.85 | **GSAF57** | |
| 92 | 68 | 15.12 | 5.9 | 2.00 | | |
| 103 | 59 | 13.50 | 5.6 | 2.05 | | |
| 29 | 175 | 47.32 | 4.3 | 0.80 | | |
| 31 | 164 | 44.23 | 4.3 | 0.85 | | |
| 36 | 143 | 38.23 | 4.2 | 1.00 | | |
| 43 | 122 | 32.48 | 4.1 | 1.10 | | |
| 48 | 110 | 29.00 | 4.0 | 1.15 | | |
| 56 | 95 | 24.77 | 3.9 | 1.20 | **GS47** | |
| 60 | 89 | 23.20 | 3.9 | 1.25 | **GSF47** | **4P** |
| 71 | 84 | 19.54 | 3.4 | 1.30 | **GSA47** | |
| 78 | 73 | 17.80 | 3.4 | 1.40 | **GSAF47** | |
| 92 | 68 | 15.12 | 3.3 | 1.50 | | |
| 103 | 59 | 13.50 | 3.2 | 1.55 | | |
| 121 | 50 | 11.53 | 3.1 | 1.65 | | |
| 129 | 45 | 10.80 | 3.1 | 1.70 | | |
| 153 | 39 | 9.10 | 3.0 | 1.80 | | |
| 73 | 73 | 19.13 | 2.2 | 0.85 | **GS37** | |
| 102 | 52 | 13.63 | 1.9 | 0.85 | **GSF37** | **4P** |
| 115 | 47 | 12.08 | 1.8 | 0.95 | **GSA37** | |
| 135 | 40 | 10.27 | 1.8 | 1.00 | **GSAF37** | |
| 148 | 39 | 19.13 | 2.0 | 1.10 | **GS37** | |
| 208 | 28 | 13.63 | 1.7 | 1.25 | **GSF37** | **2P** |
| 234 | 24 | 12.08 | 1.7 | 1.30 | **GSA37** | |
| 276 | 21 | 10.27 | 1.7 | 1.35 | **GSAF37** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 0.9 | 7529 | 1521 | 40 | 0.85 | **GS107R77 GSF107R77 GSA107R77 GSAF107R77** | **4P** |
| 1.1 | 6571 | 1327 | 40 | 1.00 | | |
| 1.7 | 4203 | 824 | 22 | 0.95 | | |
| 2.0 | 3069 | 714 | 33 | 1.35 | **GS97R57** | |
| 2.2 | 3267 | 626 | 32 | 1.25 | **GSF97R77** | **4P** |
| 2.6 | 2808 | 538 | 33 | 1.45 | **GSA97R57** | |
| 2.9 | 2538 | 484 | 33 | 1.60 | **GSAF97R57** | |
| 3.3 | 2205 | 420 | 34 | 1.70 | | |
| 2.2 | 2556 | 624 | 24 | 0.95 | | |
| 2.5 | 2313 | 558 | 26 | 1.10 | | |
| 2.9 | 2034 | 485 | 27 | 1.35 | | |
| 3.2 | 1854 | 435 | 27 | 1.35 | **GS87R57** | |
| 3.7 | 1629 | 378 | 27 | 1.45 | **GSF87R57** | **4P** |
| 4.3 | 1413 | 323 | 28 | 1.60 | **GSA87R57** | |
| 5.0 | 1242 | 281 | 28 | 1.45 | **GSAF87R57** | |
| 5.5 | 1332 | 255 | 28 | 1.45 | | |
| 6.3 | 1170 | 222 | 28 | 1.55 | | |
| 6.8 | 1089 | 205 | 28 | 1.60 | | |
| 6.4 | 1125 | 219 | 11 | 1.05 | **GS77R37 GSF77R37 GSA77R37 GSAF77R37** | **4P** |
| 2.5 | 2647 | 271.63 | 40 | 1.90 | **GS107** | |
| 3.0 | 2206 | 229.96 | 38 | 2.00 | **GSF107** | **8P** |
| 3.2 | 2068 | 212.81 | 37 | 2.10 | **GSA107** | |
| 3.6 | 1839 | 190.74 | 36 | 2.20 | **GSAF107** | |
| 2.4 | 2772 | 286.40 | 33 | 1.40 | **GS97** | |
| 2.6 | 2556 | 262.22 | 33 | 1.50 | **GSF97** | **8P** |
| 3.0 | 2286 | 231.67 | 34 | 1.70 | **GSA97** | |
| 3.5 | 1971 | 196.52 | 34 | 1.80 | **GSAF97** | |
| 3.2 | 2079 | 286.40 | 34 | 1.75 | **GS97** | |
| 3.5 | 1917 | 262.22 | 34 | 1.80 | **GSF97** | **6P** |
| 3.9 | 1710 | 231.67 | 34 | 1.90 | **GSA97 GSAF97** | |
| 3.2 | 1998 | 288.00 | 27 | 1.10 | **GS87** | |
| 3.5 | 1809 | 258.18 | 27 | 1.20 | **GSF87** | **6P** |
| 4.1 | 1584 | 222.40 | 27 | 1.35 | **GSA87** | |
| 4.5 | 1458 | 202.96 | 28 | 1.45 | **GSAF87** | |
| 4.9 | 1368 | 288.00 | 28 | 1.55 | | |
| 5.4 | 1233 | 258.18 | 28 | 1.65 | **GS87** | |
| 6.3 | 1080 | 222.40 | 28 | 1.75 | **GSF87** | **4P** |
| 6.9 | 990 | 202.96 | 28 | 1.80 | **GSA87** | |
| 7.8 | 891 | 180.00 | 28 | 1.90 | **GSAF87** | |
| 9.3 | 756 | 151.30 | 28 | 2.00 | | |
| 6.2 | 1035 | 225.26 | 12 | 1.10 | | |
| 6.5 | 990 | 214.00 | 13 | 1.15 | | |
| 7.4 | 882 | 189.09 | 13 | 1.35 | | |
| 8.7 | 765 | 161.60 | 14 | 1.45 | **GS77** | |
| 9.4 | 707 | 148.15 | 14 | 1.50 | **GSF77** | **4P** |
| 11 | 626 | 130.00 | 15 | 1.60 | **GSA77** | |
| 11 | 599 | 123.20 | 15 | 1.60 | **GSAF77** | |
| 13 | 527 | 107.83 | 15 | 1.70 | | |
| 14 | 482 | 97.14 | 15 | 1.75 | | |
| 16 | 423 | 85.22 | 15 | 1.85 | | |
| 12 | 545 | 121.33 | 7.4 | 0.85 | | |
| 13 | 486 | 106.75 | 8.1 | 0.95 | **GS67** | |
| 14 | 464 | 100.80 | 8.3 | 1.00 | **GSF67** | **4P** |
| 16 | 401 | 85.83 | 8.8 | 1.15 | **GSA67** | |
| 18 | 365 | 78.00 | 9.1 | 1.30 | **GSAF67** | |
| 21 | 360 | 65.63 | 9.1 | 1.30 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 22 | 342 | 62.35 | 9.2 | 1.30 | | |
| 26 | 302 | 54.70 | 9.1 | 1.40 | **GS67** | |
| 30 | 257 | 46.40 | 8.8 | 1.45 | **GSF67** | |
| 33 | 234 | 41.89 | 8.6 | 1.55 | **GSA67** | **4P** |
| 38 | 207 | 36.85 | 8.3 | 1.60 | **GSAF67** | |
| 40 | 198 | 34.80 | 8.2 | 1.65 | | |
| 47 | 168 | 29.63 | 7.9 | 1.75 | | |
| 20 | 324 | 71.75 | 6.2 | 1.00 | | |
| 21 | 306 | 67.20 | 6.4 | 1.00 | | |
| 25 | 282 | 56.61 | 6.8 | 1.05 | | |
| 30 | 257 | 47.32 | 6.9 | 1.10 | | |
| 32 | 239 | 44.23 | 7.0 | 1.10 | | |
| 37 | 212 | 38.23 | 7.0 | 1.20 | | |
| 43 | 180 | 32.48 | 6.8 | 1.25 | **GS57** | |
| 48 | 161 | 29.00 | 6.7 | 1.30 | **GSF57** | |
| 57 | 139 | 24.77 | 6.4 | 1.40 | **GSA57** | **4P** |
| 60 | 131 | 23.20 | 6.3 | 1.40 | **GSAF57** | |
| 72 | 111 | 19.54 | 6.1 | 1.50 | | |
| 79 | 105 | 17.80 | 5.6 | 1.55 | | |
| 93 | 99 | 15.12 | 5.5 | 1.65 | | |
| 104 | 86 | 13.50 | 5.3 | 1.70 | | |
| 121 | 74 | 11.53 | 5.1 | 1.80 | | |
| 130 | 66 | 10.80 | 5.0 | 1.85 | | |
| 154 | 57 | 9.10 | 4.8 | 2.00 | | |
| 48 | 159 | 29.00 | 3.5 | 0.95 | | |
| 57 | 138 | 24.77 | 3.5 | 1.00 | | |
| 60 | 129 | 23.20 | 3.5 | 1.05 | | |
| 72 | 110 | 19.54 | 3.4 | 1.10 | **GS47** | |
| 79 | 105 | 17.80 | 2.9 | 1.15 | **GSF47** | **4P** |
| 93 | 98 | 15.12 | 2.9 | 1.25 | **GSA47** | |
| 104 | 86 | 13.50 | 2.9 | 1.30 | **GSAF47** | |
| 121 | 73 | 11.53 | 2.8 | 1.35 | | |
| 130 | 66 | 10.80 | 2.8 | 1.40 | | |
| 154 | 57 | 9.10 | 2.7 | 1.45 | | |
| 208 | 44 | 13.63 | 1.5 | 0.85 | **GS37** | |
| 234 | 36 | 12.08 | 1.5 | 0.90 | **GSF37** | **2P** |
| 276 | 31 | 10.27 | 1.5 | 1.00 | **GSA37 GSAF37** | |
| **1.5kW** | | | | | | |
| 1.2 | 7600 | 1126 | 40 | 0.85 | **GS107R77 GSF107R77** | **4P** |
| 1.4 | 6643 | 984 | 40 | 1.00 | **GSA107R77 GSAF107R77** | |
| 2.0 | 4176 | 714 | 28 | 0.90 | | |
| 2.2 | 4455 | 626 | 18 | 0.85 | **GS97R57** | |
| 2.6 | 3834 | 538 | 30 | 1.00 | **GSF97R77** | **4P** |
| 2.9 | 3465 | 484 | 32 | 1.10 | **GSA97R57** | |
| 3.3 | 3015 | 420 | 33 | 1.25 | **GSAF97R57** | |
| 3.7 | 2727 | 376 | 33 | 1.40 | | |
| 4.3 | 2394 | 327 | 34 | 1.65 | | |
| 2.9 | 2781 | 485 | 16 | 0.80 | | |
| 3.2 | 2529 | 435 | 25 | 0.90 | | |
| 3.7 | 2223 | 378 | 26 | 1.00 | **GS87R57** | |
| 4.3 | 1935 | 323 | 27 | 1.15 | **GSF87R57** | **4P** |
| 5.0 | 1701 | 281 | 27 | 1.10 | **GSA87R57** | |
| 5.5 | 1818 | 255 | 27 | 1.25 | **GSAF87R57** | |
| 6.3 | 1593 | 222 | 27 | 1.35 | | |
| 6.8 | 1485 | 205 | 28 | 1.40 | | |
| 2.5 | 3610 | 271.63 | 40 | 1.60 | **GS107** | |
| 3.0 | 3008 | 229.96 | 38 | 1.70 | **GSF107** | **8P** |
| 3.2 | 2820 | 212.81 | 37 | 1.75 | **GSA107 GSAF107** | |

S

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 3.5 | 2579 | 271.63 | 36 | 1.85 | **GS107** | **6P** |
| 4.1 | 2201 | 229.96 | 34 | 2.00 | **GSF107** | |
| 4.4 | 2051 | 212.81 | 34 | 2.05 | **GSA107** | |
| 4.9 | 1841 | 190.74 | 32 | 2.15 | **GSAF107** | |
| 2.4 | 3627 | 286.40 | 31 | 1.05 | **GS97** | **8P** |
| 2.6 | 3348 | 262.22 | 32 | 1.15 | **GSF97** | |
| 2.9 | 2997 | 231.67 | 33 | 1.25 | **GSA97** | |
| 3.5 | 2583 | 196.52 | 33 | 1.45 | **GSAF97** | |
| 3.3 | 2835 | 286.40 | 33 | 1.35 | **GS97** | **6P** |
| 3.6 | 2619 | 262.22 | 33 | 1.45 | **GSF97** | |
| 4.1 | 2340 | 231.67 | 34 | 1.65 | **GSA97** | |
| 4.8 | 2007 | 196.52 | 34 | 1.75 | **GSAF97** | |
| 4.9 | 1917 | 286.40 | 34 | 1.80 | **GS97** | **4P** |
| 5.3 | 1773 | 262.22 | 34 | 1.85 | **GSF97** | |
| 6.0 | 1584 | 231.67 | 35 | 1.95 | **GSA97** | |
| 7.1 | 1359 | 196.52 | 35 | 2.10 | **GSAF97** | |
| 3.6 | 2466 | 258.18 | 25 | 0.90 | **GS87** | **6P** |
| 4.2 | 2151 | 222.40 | 26 | 1.00 | **GSF87** | |
| 4.6 | 1980 | 202.96 | 27 | 1.10 | **GSA87** | |
| 5.2 | 1782 | 180.00 | 27 | 1.20 | **GSAF87** | |
| 4.9 | 1854 | 288.00 | 27 | 1.10 | | |
| 5.4 | 1674 | 258.18 | 27 | 1.20 | | |
| 6.3 | 1467 | 222.40 | 28 | 1.40 | | |
| 6.9 | 1350 | 202.96 | 28 | 1.55 | **GS87** | **4P** |
| 7.8 | 1206 | 180.00 | 28 | 1.60 | **GSF87** | |
| 9.3 | 1026 | 151.30 | 28 | 1.75 | **GSA87** | |
| 10 | 954 | 139.05 | 28 | 1.80 | **GSAF87** | |
| 11 | 855 | 123.48 | 28 | 1.85 | | |
| 13 | 765 | 110.40 | 28 | 1.95 | | |
| 14 | 693 | 99.26 | 28 | 2.00 | | |
| 7.4 | 1197 | 189.09 | 10 | 1.10 | | |
| 8.7 | 1035 | 161.60 | 12 | 1.15 | | |
| 9.4 | 954 | 148.15 | 13 | 1.30 | | |
| 11 | 846 | 130.00 | 13 | 1.35 | | |
| 11 | 810 | 123.20 | 14 | 1.40 | | |
| 13 | 716 | 107.83 | 14 | 1.45 | | |
| 14 | 653 | 97.14 | 15 | 1.50 | **GS77** | **4P** |
| 16 | 576 | 85.22 | 15 | 1.60 | **GSF77** | |
| 19 | 585 | 75.09 | 13 | 1.50 | **GSA77** | |
| 20 | 558 | 71.33 | 13 | 1.55 | **GSAF77** | |
| 21 | 459 | 66.67 | 14 | 1.70 | | |
| 22 | 495 | 63.03 | 13 | 1.65 | | |
| 25 | 396 | 56.92 | 13 | 1.80 | | |
| 26 | 423 | 53.87 | 13 | 1.75 | | |
| 28 | 392 | 49.38 | 12 | 1.80 | | |
| 32 | 347 | 43.33 | 12 | 1.90 | | |
| 16 | 540 | 85.83 | 7.5 | 0.85 | | |
| 18 | 495 | 78.00 | 8.0 | 0.95 | | |
| 21 | 486 | 65.63 | 8.1 | 0.95 | | |
| 22 | 464 | 62.35 | 8.3 | 0.95 | | |
| 26 | 410 | 54.70 | 8.4 | 1.05 | **GS67** | **4P** |
| 30 | 351 | 46.40 | 8.2 | 1.25 | **GSF67** | |
| 33 | 320 | 41.89 | 8.0 | 1.30 | **GSA67** | |
| 38 | 279 | 36.85 | 7.8 | 1.40 | **GSAF67** | |
| 40 | 266 | 34.80 | 7.8 | 1.40 | | |
| 47 | 230 | 29.63 | 7.5 | 1.50 | | |
| 52 | 207 | 26.93 | 7.4 | 1.55 | | |
| 58 | 198 | 24.00 | 6.7 | 1.60 | | |
| 65 | 189 | 21.67 | 6.6 | 1.70 | | |
| 73 | 166 | 19.06 | 6.5 | 1.75 | **GS67** | **4P** |
| 78 | 158 | 18.00 | 6.3 | 1.80 | **GSF67** | |
| 91 | 135 | 15.33 | 6.1 | 1.90 | **GSA67** | |
| 101 | 124 | 13.93 | 5.9 | 1.95 | **GSAF67** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 43 | 243 | 32.48 | 6.3 | 0.90 | | **4P** |
| 48 | 221 | 29.00 | 6.2 | 1.00 | | |
| 57 | 189 | 24.77 | 6.0 | 1.15 | | |
| 60 | 176 | 23.20 | 6.0 | 1.25 | **GS57** | |
| 72 | 150 | 19.54 | 5.8 | 1.30 | **GSF57** | |
| 79 | 143 | 17.80 | 5.2 | 1.35 | **GSA57** | |
| 93 | 134 | 15.12 | 5.1 | 1.40 | **GSAF57** | |
| 104 | 116 | 13.50 | 5.0 | 1.45 | | |
| 121 | 99 | 11.53 | 4.8 | 1.55 | | |
| 130 | 89 | 10.80 | 4.7 | 1.60 | | |
| 154 | 77 | 9.10 | 4.6 | 1.70 | | |
| 104 | 117 | 13.50 | 2.5 | 0.85 | **GS47** | **4P** |
| 121 | 101 | 11.53 | 2.5 | 1.00 | **GSF47** | |
| 130 | 94 | 10.80 | 2.5 | 1.10 | **GSA47** | |
| 154 | 79 | 9.10 | 2.5 | 1.25 | **GSAF47** | |
| **2.2kW** | | | | | | |
| 2.1 | 6672 | 688 | 40 | 1.00 | **GS107R77** **GSF107R77** | **4P** |
| 2.4 | 5832 | 602 | 40 | 1.10 | **GSA107R77** **GSAF107R77** | |
| 3.4 | 4455 | 420 | 18 | 0.90 | **GS97R57** | **4P** |
| 3.8 | 4014 | 376 | 27 | 1.00 | **GSF97R77** | |
| 4.4 | 3519 | 327 | 32 | 1.20 | **GSA97R57** | |
| 5.0 | 3114 | 287 | 33 | 1.35 | **GSAF97R57** | |
| 5.7 | 2727 | 252 | 33 | 1.50 | | |
| 3.5 | 3782 | 271.63 | 35 | 1.50 | **GS107** | **6P** |
| 4.1 | 3228 | 229.96 | 33 | 1.65 | **GSA107** | |
| 4.4 | 3008 | 212.81 | 33 | 1.70 | **GSAF107** | |
| 4.9 | 2701 | 190.74 | 32 | 1.75 | **GSF107** | |
| 5.3 | 2498 | 271.63 | 31 | 1.80 | | **4P** |
| 6.2 | 2135 | 229.96 | 30 | 1.95 | **GS107** | |
| 6.7 | 2117 | 212.81 | 29 | 2.00 | **GSF107** | |
| 7.5 | 1891 | 190.74 | 28 | 2.10 | **GSA107** | |
| 8.3 | 1708 | 172.20 | 27 | 2.15 | **GSAF107** | |
| 9.1 | 1558 | 156.41 | 26 | 2.20 | | |
| 3.3 | 4077 | 286.40 | 29 | 1.00 | **GS97** | **6P** |
| 3.6 | 3762 | 262.22 | 31 | 1.30 | **GSF97** | |
| 4.1 | 3357 | 231.67 | 32 | 1.35 | **GSA97** | |
| 4.8 | 2889 | 196.52 | 33 | 1.45 | **GSAF97** | |
| 5.0 | 2817 | 286.40 | 33 | 1.45 | | **4P** |
| 5.5 | 2601 | 262.22 | 33 | 1.55 | | |
| 6.2 | 2313 | 231.67 | 34 | 1.65 | | |
| 7.3 | 1989 | 196.52 | 34 | 1.75 | **GS97** | |
| 7.9 | 1845 | 180.95 | 34 | 1.80 | **GSF97** | |
| 8.8 | 1656 | 161.74 | 34 | 1.85 | **GSA97** | |
| 9.8 | 1503 | 145.60 | 35 | 1.95 | **GSAF97** | |
| 11 | 1368 | 131.85 | 35 | 2.05 | | |
| 12 | 1224 | 116.92 | 35 | 2.10 | | |
| 14 | 1116 | 105.71 | 35 | 2.20 | | |
| 16 | 954 | 89.60 | 35 | 2.35 | | |
| 5.5 | 2457 | 258.18 | 25 | 1.00 | | **4P** |
| 6.4 | 2142 | 222.40 | 26 | 1.10 | | |
| 7.0 | 1971 | 202.96 | 27 | 1.25 | | |
| 7.9 | 1773 | 180.00 | 27 | 1.35 | | |
| 9.5 | 1512 | 151.30 | 27 | 1.45 | **GS87** | |
| 10 | 1395 | 139.05 | 28 | 1.50 | **GSF87** | |
| 12 | 1251 | 123.48 | 28 | 1.55 | **GSA87** | |
| 13 | 1125 | 110.40 | 28 | 1.60 | **GSAF87** | |
| 14 | 1017 | 99.26 | 28 | 1.70 | | |
| 17 | 891 | 86.15 | 28 | 1.75 | | |
| 17 | 954 | 81.76 | 28 | 1.65 | | |
| 19 | 801 | 77.14 | 28 | 1.80 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 20 | 828 | 70.43 | 28 | 1.75 | **GS87 GSF87 GSA87 GSAF87** | **4P** |
| 22 | 756 | 64.27 | 28 | 1.80 | | |
| 25 | 675 | 57.00 | 28 | 1.90 | | |
| 11 | 1251 | 130.00 | 6 | 1.00 | | |
| 12 | 1188 | 123.20 | 11 | 1.05 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 13 | 1053 | 107.83 | 12 | 1.20 | | |
| 15 | 954 | 97.14 | 13 | 1.25 | | |
| 17 | 846 | 85.22 | 13 | 1.30 | | |
| 19 | 756 | 75.20 | 13 | 1.35 | | |
| 21 | 671 | 66.67 | 13 | 1.40 | | |
| 23 | 729 | 63.03 | 12 | 1.35 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 25 | 581 | 56.92 | 12 | 1.50 | | |
| 27 | 626 | 53.87 | 11 | 1.45 | | |
| 29 | 572 | 49.38 | 11 | 1.50 | | |
| 33 | 504 | 43.33 | 11 | 1.55 | | |
| 35 | 482 | 41.07 | 11 | 1.60 | | |
| 40 | 423 | 35.94 | 11 | 1.65 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 44 | 383 | 32.38 | 10 | 1.75 | | |
| 50 | 338 | 28.41 | 10 | 1.80 | | |
| 57 | 297 | 25.07 | 10 | 1.90 | | |
| 60 | 279 | 23.87 | 9.0 | 1.95 | | |
| 68 | 257 | 20.89 | 8.9 | 2.05 | | |
| 31 | 513 | 46.40 | 7.1 | 0.95 | | |
| 34 | 464 | 41.89 | 7.1 | 1.05 | | |
| 39 | 414 | 36.85 | 7.0 | 1.15 | | |
| 41 | 392 | 34.80 | 7.0 | 1.20 | | |
| 48 | 333 | 29.63 | 6.8 | 1.25 | | |
| 53 | 306 | 26.93 | 6.7 | 1.30 | **GS67 GSF67 GSA67 GSAF67** | **4P** |
| 61 | 266 | 23.33 | 6.6 | 1.35 | | |
| 66 | 243 | 21.67 | 5.8 | 1.40 | | |
| 75 | 214 | 19.06 | 5.7 | 1.45 | | |
| 79 | 208 | 18.00 | 5.7 | 1.50 | | |
| 93 | 183 | 15.33 | 5.6 | 1.60 | | |
| 103 | 165 | 13.93 | 5.5 | 1.65 | | |
| 118 | 144 | 12.07 | 5.4 | 1.70 | | |
| 136 | 125 | 10.50 | 5.3 | 1.80 | | |
| 106 | 166 | 13.50 | 4.4 | 1.00 | **GS57 GSF57 GSA57 GSAF57** | **4P** |
| 124 | 141 | 11.53 | 4.4 | 1.15 | | |
| 132 | 131 | 10.80 | 4.3 | 1.20 | | |
| 157 | 112 | 9.10 | 4.2 | 1.40 | | |
| **3kW** | | | | | | |
| 2.6 | 7192 | 544 | 40 | 0.90 | **GS107R77 GSF107R77 GSA107R77 GSAF107R77** | **4P** |
| 3.0 | 6286 | 476 | 40 | 1.05 | | |
| 3.5 | 6349 | 409 | 40 | 1.05 | | |
| 5.0 | 4284 | 287 | 23 | 1.00 | **GS97R57 GSF97R57 GSA97R57 G7AF97R57** | **4P** |
| 5.7 | 3762 | 252 | 31 | 1.10 | | |
| 6.5 | 3285 | 219 | 32 | 1.30 | | |
| 7.0 | 3096 | 205 | 33 | 1.35 | | |
| 3.5 | 4788 | 271.63 | 33 | 1.30 | **GS107 GSF107 GSA107 GSAF107** | **6P** |
| 4.2 | 3990 | 229.96 | 32 | 1.40 | | |
| 4.5 | 3724 | 212.81 | 31 | 1.45 | | |
| 5.0 | 3352 | 190.74 | 30 | 1.50 | | |
| 5.3 | 3406 | 271.63 | 30 | 1.55 | | |
| 6.2 | 2912 | 229.96 | 29 | 1.65 | **GS107 GSF107 GSA107 GSAF107** | **4P** |
| 6.7 | 2694 | 212.81 | 28 | 1.70 | | |
| 7.5 | 2407 | 190.74 | 27 | 1.75 | | |
| 8.3 | 2174 | 172.20 | 26 | 1.85 | | |
| 9.1 | 1984 | 156.41 | 26 | 1.90 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 5.0 | 3861 | 286.40 | 31 | 1.05 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 5.5 | 3564 | 262.22 | 32 | 1.15 | | |
| 6.2 | 3177 | 231.67 | 32 | 1.30 | | |
| 7.3 | 2736 | 196.52 | 33 | 1.45 | | |
| 7.9 | 2529 | 180.95 | 33 | 1.55 | | |
| 8.8 | 2277 | 161.74 | 34 | 1.60 | | |
| 9.8 | 2070 | 145.60 | 34 | 1.65 | | |
| 11 | 1881 | 131.85 | 34 | 1.75 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 12 | 1683 | 116.92 | 34 | 1.80 | | |
| 14 | 1530 | 105.71 | 35 | 1.90 | | |
| 16 | 1305 | 89.60 | 35 | 2.00 | | |
| 18 | 1323 | 80.85 | 35 | 2.00 | | |
| 7.9 | 2430 | 180.00 | 26 | 1.00 | | |
| 9.5 | 2070 | 151.30 | 27 | 1.15 | | |
| 10 | 1917 | 139.05 | 27 | 1.25 | | |
| 12 | 1710 | 123.48 | 27 | 1.30 | | |
| 13 | 1548 | 110.40 | 27 | 1.40 | | |
| 14 | 1395 | 99.26 | 28 | 1.45 | | |
| 17 | 1224 | 86.15 | 28 | 1.50 | **GS87 GSF87 GSA87 GSAF87** | **4P** |
| 17 | 1314 | 81.76 | 28 | 1.40 | | |
| 19 | 1107 | 77.14 | 28 | 1.55 | | |
| 20 | 1134 | 70.43 | 28 | 1.50 | | |
| 22 | 1044 | 64.27 | 28 | 1.55 | | |
| 25 | 927 | 57.00 | 28 | 1.65 | | |
| 30 | 783 | 47.91 | 28 | 1.75 | | |
| 32 | 720 | 44.03 | 28 | 1.80 | | |
| 37 | 644 | 39.10 | 28 | 1.90 | | |
| 41 | 576 | 34.96 | 28 | 1.95 | | |
| 17 | 1161 | 85.22 | 11 | 1.05 | | |
| 19 | 1035 | 75.20 | 12 | 1.15 | | |
| 21 | 918 | 66.67 | 12 | 1.20 | | |
| 23 | 999 | 63.03 | 10 | 1.15 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 25 | 792 | 56.92 | 11 | 1.30 | | |
| 27 | 855 | 53.87 | 10 | 1.25 | | |
| 29 | 792 | 49.38 | 10 | 1.25 | | |
| 33 | 693 | 43.33 | 10 | 1.35 | | |
| 35 | 662 | 41.07 | 10 | 1.35 | | |
| 40 | 581 | 35.94 | 10 | 1.45 | | |
| 44 | 527 | 32.38 | 10 | 1.50 | | |
| 50 | 464 | 28.41 | 10 | 1.55 | | |
| 57 | 410 | 25.07 | 9.3 | 1.65 | | |
| 60 | 386 | 23.87 | 8.2 | 1.65 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 68 | 341 | 20.89 | 8.2 | 1.75 | | |
| 76 | 306 | 18.82 | 8.0 | 1.80 | | |
| 87 | 266 | 16.51 | 8.0 | 1.90 | | |
| 98 | 237 | 14.57 | 7.8 | 2.00 | | |
| 111 | 209 | 12.92 | 7.7 | 2.10 | | |
| 130 | 179 | 11.03 | 7.5 | 2.20 | | |
| 41 | 536 | 34.80 | 6.0 | 0.85 | | |
| 48 | 459 | 29.63 | 6.0 | 1.00 | | |
| 53 | 419 | 26.93 | 6.0 | 1.10 | | |
| 61 | 365 | 23.33 | 6.0 | 1.15 | **GS67 GSF67 GSA67 GSAF67** | **4P** |
| 66 | 344 | 21.67 | 5.2 | 1.20 | | |
| 75 | 302 | 19.06 | 5.0 | 1.25 | | |
| 79 | 287 | 18.00 | 5.0 | 1.30 | | |
| 93 | 244 | 15.33 | 5.0 | 1.35 | | |
| 103 | 221 | 13.93 | 4.9 | 1.40 | | |
| 118 | 196 | 12.07 | 4.9 | 1.50 | | |
| 136 | 170 | 10.50 | 4.8 | 1.55 | | |
| 132 | 179 | 10.80 | 3.8 | 0.90 | **GS57 GSF57 GSA57 GSAF57** | **4P** |
| 157 | 154 | 9.10 | 3.8 | 1.00 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 6.6 | 4320 | 219 | 21 | 0.95 | **GS97R57 GSF97R57 GSA97R57 GSAF97R57** | **4P** |
| 7.0 | 4043 | 205 | 26 | 1.05 | | |
| 3.5 | 6728 | 271.63 | 31 | 1.00 | **GS107 GSF107 GSA107 GSAF107** | **6P** |
| 4.2 | 5729 | 229.96 | 30 | 1.15 | | |
| 4.5 | 5315 | 212.81 | 30 | 1.20 | | |
| 5.0 | 4809 | 190.74 | 29 | 1.30 | | |
| 5.3 | 4592 | 271.63 | 29 | 1.35 | **GS107 GSF107 GSA107 GSAF107** | **4P** |
| 6.3 | 3981 | 229.96 | 28 | 1.45 | | |
| 6.8 | 3729 | 212.81 | 27 | 1.50 | | |
| 7.5 | 3384 | 190.74 | 26 | 1.55 | | |
| 8.4 | 3093 | 172.20 | 26 | 1.60 | | |
| 9.2 | 2845 | 156.41 | 25 | 1.65 | | |
| 10 | 2557 | 138.77 | 24 | 1.75 | | |
| 11 | 2350 | 125.93 | 23 | 1.80 | | |
| 13 | 2058 | 108.24 | 22 | 1.90 | | |
| 15 | 1783 | 94.48 | 21 | 2.00 | | |
| 18 | 1710 | 80.13 | 21 | 2.10 | | |
| 21 | 1552 | 70.04 | 20 | 2.20 | | |
| 22 | 1409 | 65.10 | 19 | 2.25 | | |
| 6.2 | 4185 | 231.67 | 27 | 1.00 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 7.3 | 3591 | 196.52 | 32 | 1.10 | | |
| 8.0 | 3300 | 180.95 | 32 | 1.20 | | |
| 8.9 | 2971 | 161.74 | 33 | 1.35 | | |
| 9.9 | 2718 | 145.60 | 33 | 1.45 | | |
| 11 | 2475 | 131.85 | 34 | 1.50 | | |
| 12 | 2214 | 116.92 | 34 | 1.60 | | |
| 14 | 2007 | 105.71 | 34 | 1.65 | | |
| 16 | 1719 | 89.60 | 34 | 1.75 | | |
| 18 | 1746 | 80.85 | 34 | 1.75 | | |
| 20 | 1548 | 71.43 | 35 | 1.85 | | |
| 24 | 1323 | 60.59 | 35 | 1.95 | | |
| 26 | 1215 | 55.79 | 35 | 2.00 | | |
| 12 | 2259 | 123.48 | 26 | 0.95 | **GS87 GSF87 GSA87 GSAF87** | **4P** |
| 13 | 2034 | 110.40 | 27 | 1.00 | | |
| 15 | 1836 | 99.26 | 27 | 1.10 | | |
| 17 | 1611 | 86.15 | 27 | 1.20 | | |
| 19 | 1449 | 77.14 | 28 | 1.25 | | |
| 20 | 1494 | 70.43 | 27 | 1.05 | | |
| 22 | 1368 | 64.27 | 28 | 1.14 | | |
| 25 | 1215 | 57.00 | 28 | 1.30 | | |
| 30 | 1035 | 47.91 | 28 | 1.50 | | |
| 33 | 954 | 44.03 | 28 | 1.55 | | |
| 37 | 846 | 39.10 | 28 | 1.65 | | |
| 41 | 756 | 34.96 | 28 | 1.70 | | |
| 46 | 684 | 31.43 | 28 | 1.80 | | |
| 53 | 599 | 27.28 | 27 | 1.85 | | |
| 60 | 572 | 23.92 | 25 | 1.95 | | |
| 25 | 1044 | 56.92 | 10 | 0.90 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 27 | 1125 | 53.87 | 8.8 | 0.95 | | |
| 29 | 1035 | 49.38 | 8.9 | 1.05 | | |
| 33 | 918 | 43.33 | 8.9 | 1.15 | | |
| 35 | 864 | 41.07 | 8.9 | 1.20 | | |
| 40 | 765 | 35.94 | 8.9 | 1.25 | | |
| 44 | 689 | 32.38 | 8.8 | 1.30 | | |
| 51 | 608 | 28.41 | 8.7 | 1.35 | | |
| 57 | 540 | 25.07 | 8.6 | 1.40 | | |
| 60 | 504 | 23.87 | 7.3 | 1.30 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 69 | 438 | 20.89 | 7.3 | 1.55 | | |
| 77 | 392 | 18.82 | 7.2 | 1.60 | | |
| 87 | 347 | 16.51 | 7.2 | 1.65 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 99 | 306 | 14.57 | 7.1 | 1.75 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 111 | 273 | 12.92 | 7.0 | 1.85 | | |
| 131 | 231 | 11.03 | 6.8 | 2.00 | | |
| 80 | 378 | 18.00 | 3.6 | 0.80 | **GS67 GSF67 GSA67 GSAF67** | **4P** |
| 94 | 322 | 15.33 | 4.0 | 0.95 | | |
| 103 | 293 | 13.93 | 4.3 | 1.05 | | |
| 119 | 254 | 12.07 | 4.3 | 1.20 | | |
| 137 | 221 | 10.50 | 4.3 | 1.35 | | |
| **5.5kW** | | | | | | |
| 5.3 | 6314 | 271.63 | 27 | 1.00 | **GS107 GSF107 GSA107 GSAF107** | **4P** |
| 6.3 | 5474 | 229.96 | 26 | 1.20 | | |
| 6.8 | 5128 | 212.81 | 26 | 1.25 | | |
| 7.5 | 4653 | 190.74 | 25 | 1.30 | | |
| 8.4 | 4253 | 172.20 | 24 | 1.35 | | |
| 9.2 | 3912 | 156.41 | 24 | 1.40 | | |
| 10 | 3515 | 138.77 | 23 | 1.45 | | |
| 11 | 3231 | 125.93 | 23 | 1.55 | | |
| 13 | 2833 | 108.24 | 22 | 1.60 | | |
| 15 | 2424 | 94.48 | 21 | 1.70 | | |
| 18 | 2352 | 80.13 | 20 | 1.80 | | |
| 21 | 2133 | 70.04 | 20 | 1.85 | | |
| 22 | 1937 | 65.10 | 19 | 1.90 | | |
| 24 | 1766 | 59.13 | 18 | 2.00 | | |
| 27 | 1583 | 52.46 | 18 | 2.10 | | |
| 30 | 1447 | 47.61 | 17 | 2.15 | | |
| 35 | 1262 | 40.92 | 17 | 2.30 | | |
| 8.9 | 4095 | 161.74 | 28 | 0.95 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 9.9 | 3717 | 145.60 | 31 | 1.00 | | |
| 11 | 3384 | 131.85 | 32 | 1.10 | | |
| 12 | 3024 | 116.92 | 33 | 1.15 | | |
| 14 | 2745 | 105.71 | 33 | 1.25 | | |
| 16 | 2349 | 89.60 | 34 | 1.35 | | |
| 18 | 2061 | 78.26 | 34 | 1.45 | | |
| 20 | 2115 | 71.43 | 34 | 1.55 | | |
| 22 | 1737 | 65.45 | 34 | 1.65 | | |
| 24 | 1800 | 60.59 | 34 | 1.65 | | |
| 26 | 1665 | 55.79 | 34 | 1.70 | | |
| 29 | 1494 | 49.87 | 35 | 1.80 | | |
| 32 | 1350 | 44.89 | 35 | 1.85 | | |
| 35 | 1224 | 40.65 | 35 | 1.95 | | |
| 19 | 1980 | 77.14 | 27 | 0.90 | **GS87 GSF87 GSA87 GSAF87** | **4P** |
| 23 | 1665 | 64.00 | 27 | 0.95 | | |
| 25 | 1665 | 57.00 | 27 | 0.95 | | |
| 30 | 1404 | 47.91 | 28 | 1.10 | | |
| 33 | 1296 | 44.03 | 28 | 1.20 | | |
| 37 | 1152 | 39.10 | 28 | 1.35 | | |
| 41 | 1035 | 34.96 | 27 | 1.50 | | |
| 46 | 936 | 31.43 | 27 | 1.55 | | |
| 53 | 819 | 27.28 | 26 | 1.60 | | |
| 60 | 693 | 23.92 | 24 | 1.70 | | |
| 67 | 621 | 21.39 | 23 | 1.75 | | |
| 75 | 555 | 19.23 | 23 | 1.80 | | |
| 86 | 484 | 16.69 | 22 | 1.90 | | |
| 96 | 433 | 14.95 | 22 | 2.00 | | |
| 116 | 359 | 12.40 | 21 | 2.10 | | |
| 134 | 310 | 10.78 | 20 | 2.25 | | |
| 35 | 1188 | 41.07 | 7.2 | 0.90 | **GS77 GSF77 GSA77 GSAF77** | **4P** |
| 40 | 1044 | 35.94 | 7.4 | 1.05 | | |
| 44 | 945 | 32.38 | 7.5 | 1.10 | | |
| 51 | 828 | 28.41 | 7.5 | 1.15 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 57 | 738 | 25.07 | 7.5 | 1.20 | | |
| 60 | 670 | 23.87 | 7.5 | 1.25 | | |
| 69 | 582 | 20.89 | 7.5 | 1.30 | **GS77** | |
| 77 | 522 | 18.82 | 5.6 | 1.35 | **GSF77** | |
| 87 | 462 | 16.51 | 5.9 | 1.40 | **GSA77** | **4P** |
| 99 | 406 | 14.57 | 6.2 | 1.50 | **GSAF77** | |
| 111 | 362 | 12.92 | 6.2 | 1.55 | | |
| 131 | 307 | 11.03 | 6.1 | 1.65 | | |
| 119 | 348 | 12.07 | 2.8 | 0.90 | **GS67** | |
| 137 | 302 | 10.50 | 2.8 | 1.00 | **GSF67** **GSA67** **GSAF67** | **4P** |
| **7.5kW** | | | | | | |
| 6.3 | 7465 | 229.96 | 24 | 0.85 | | |
| 6.8 | 6993 | 212.81 | 24 | 0.90 | | |
| 7.5 | 6345 | 190.74 | 23 | 1.00 | | |
| 8.4 | 5800 | 172.20 | 23 | 1.10 | | |
| 9.2 | 5335 | 156.41 | 22 | 1.20 | | |
| 10 | 4794 | 138.77 | 22 | 1.25 | | |
| 11 | 4407 | 125.93 | 21 | 1.30 | | |
| 13 | 3863 | 108.24 | 21 | 1.40 | **GS107** | |
| 15 | 3306 | 94.48 | 20 | 1.50 | **GSF107** | |
| 18 | 3207 | 80.13 | 19 | 1.55 | **GSA107** | **4P** |
| 21 | 2909 | 70.04 | 19 | 1.60 | **GSAF107** | |
| 22 | 2641 | 65.10 | 18 | 1.65 | | |
| 24 | 2408 | 59.13 | 18 | 1.70 | | |
| 27 | 2159 | 52.46 | 17 | 1.80 | | |
| 30 | 1974 | 47.61 | 17 | 1.85 | | |
| 35 | 1721 | 40.92 | 16 | 1.95 | | |
| 40 | 1503 | 35.72 | 15 | 2.00 | | |
| 48 | 1284 | 30.29 | 15 | 2.20 | | |
| 14 | 3744 | 105.71 | 31 | 0.90 | | |
| 16 | 3204 | 89.60 | 32 | 1.00 | | |
| 18 | 2817 | 78.26 | 33 | 1.10 | **GS97** | |
| 20 | 2880 | 71.43 | 33 | 1.15 | **GSF97** | |
| 22 | 2367 | 65.45 | 34 | 1.20 | **GSA97** | **4P** |
| 24 | 2457 | 60.59 | 34 | 1.35 | **GSAF97** | |
| 26 | 2268 | 55.79 | 34 | 1.45 | | |
| 29 | 2034 | 49.87 | 34 | 1.55 | | |
| 32 | 1836 | 44.89 | 34 | 1.60 | | |
| 35 | 1665 | 40.65 | 34 | 1.65 | | |
| 40 | 1485 | 36.05 | 34 | 1.75 | **GS97** | |
| 44 | 1341 | 32.60 | 34 | 1.80 | **GSF97** | |
| 52 | 1054 | 27.63 | 30 | 1.90 | **GSA97** | **4P** |
| 64 | 856 | 22.65 | 30 | 2.15 | **GSAF97** | |
| 70 | 783 | 20.48 | 29 | 2.25 | | |
| 83 | 660 | 17.36 | 29 | 2.40 | | |
| 33 | 1773 | 44.03 | 26 | 0.90 | | |
| 37 | 1575 | 39.10 | 26 | 1.00 | | |
| 41 | 1413 | 34.96 | 26 | 1.10 | **GS87** | |
| 46 | 1278 | 31.43 | 25 | 1.20 | **GSF87** | |
| 53 | 1107 | 27.28 | 25 | 1.40 | **GSA87** | **4P** |
| 60 | 913 | 23.92 | 22 | 1.45 | **GSAF87** | |
| 67 | 818 | 21.39 | 22 | 1.50 | | |
| 75 | 731 | 19.23 | 22 | 1.60 | | |
| 86 | 637 | 16.69 | 21 | 1.65 | | |
| 96 | 571 | 14.95 | 21 | 1.75 | **GS87** | |
| 116 | 472 | 12.40 | 20 | 1.85 | **GSF87** | |
| 134 | 409 | 10.78 | 19 | 1.95 | **GSA87** | **4P** |
| | | | | | **GSAF87** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 51 | 1134 | 28.41 | 5.9 | 0.90 | | |
| 57 | 999 | 25.07 | 6.1 | 1.00 | | |
| 60 | 913 | 23.87 | 6.2 | 0.80 | **GS77** | |
| 69 | 794 | 20.89 | 6.3 | 0.80 | **GSF77** | |
| 77 | 712 | 18.82 | 1.8 | 0.90 | **GSA77** | **4P** |
| 87 | 630 | 16.51 | 2.2 | 1.00 | **GSAF77** | |
| 99 | 553 | 14.57 | 3.1 | 1.15 | | |
| 111 | 494 | 12.92 | 3.7 | 1.25 | | |
| 131 | 418 | 11.03 | 4.9 | 1.40 | | |
| **11kW** | | | | | | |
| 9.3 | 7717 | 156.41 | 20 | 0.85 | | |
| 11 | 6934 | 138.77 | 20 | 0.95 | | |
| 12 | 6374 | 125.93 | 19 | 1.00 | | |
| 13 | 5588 | 108.24 | 19 | 1.15 | | |
| 15 | 4782 | 94.48 | 18 | 1.25 | | |
| 18 | 4136 | 80.13 | 18 | 1.30 | | |
| 21 | 4209 | 70.04 | 17 | 1.30 | **GS107** | |
| 22 | 3821 | 65.10 | 17 | 1.40 | **GSF107** | |
| 25 | 3483 | 59.13 | 17 | 1.45 | **GSA107** | **4P** |
| 28 | 3123 | 52.46 | 16 | 1.50 | **GSAF107** | |
| 31 | 2855 | 47.61 | 16 | 1.55 | | |
| 36 | 2490 | 40.92 | 15 | 1.65 | | |
| 41 | 2174 | 35.72 | 15 | 1.70 | | |
| 48 | 1857 | 30.29 | 14 | 1.80 | | |
| 55 | 1647 | 26.48 | 14 | 1.90 | | |
| 65 | 1393 | 22.39 | 13 | 2.00 | | |
| 26 | 3303 | 55.79 | 32 | 1.00 | | |
| 29 | 2961 | 49.87 | 33 | 1.10 | | |
| 33 | 2673 | 44.89 | 33 | 1.20 | | |
| 36 | 2430 | 40.65 | 33 | 1.35 | | |
| 40 | 2160 | 36.05 | 32 | 1.45 | **GS97** | |
| 45 | 1953 | 32.60 | 32 | 1.50 | **GSF97** | |
| 53 | 1641 | 27.63 | 28 | 1.60 | **GSA97** | **4P** |
| 64 | 1330 | 22.65 | 28 | 1.80 | **GSAF97** | |
| 71 | 1198 | 20.48 | 27 | 1.85 | | |
| 84 | 1013 | 17.36 | 26 | 2.00 | | |
| 96 | 886 | 15.16 | 26 | 2.05 | | |
| 115 | 740 | 12.68 | 25 | 2.20 | | |
| 133 | 640 | 10.98 | 24 | 2.35 | | |
| 54 | 1620 | 27.28 | 23 | 0.95 | | |
| 60 | 1449 | 24.43 | 22 | 1.05 | | |
| 72 | 1206 | 20.27 | 22 | 1.25 | **GS87** | |
| 76 | 1120 | 19.23 | 19 | 1.30 | **GSF87** | |
| 87 | 978 | 16.69 | 19 | 1.35 | **GSA87** | **4P** |
| 98 | 868 | 14.95 | 19 | 1.45 | **GSAF87** | |
| 118 | 721 | 12.40 | 18 | 1.55 | | |
| 135 | 630 | 10.78 | 18 | 1.60 | | |
| **15kW** | | | | | | |
| 13 | 7670 | 108.24 | 17 | 0.85 | | |
| 15 | 6878 | 94.48 | 16 | 0.95 | | |
| 18 | 5833 | 80.13 | 16 | 1.10 | | |
| 21 | 5739 | 70.04 | 16 | 1.15 | | |
| 22 | 5210 | 65.10 | 16 | 1.20 | **GS107** | |
| 25 | 4749 | 59.13 | 16 | 1.20 | **GSF107** | |
| 28 | 4259 | 52.46 | 15 | 1.30 | **GSA107** | **4P** |
| 31 | 3893 | 47.61 | 15 | 1.30 | **GSAF107** | |
| 36 | 3395 | 40.92 | 15 | 1.40 | | |
| 41 | 2964 | 35.72 | 14 | 1.45 | | |
| 48 | 2532 | 30.29 | 14 | 1.55 | | |
| 55 | 2247 | 26.48 | 13 | 1.65 | | |
| 65 | 1899 | 22.39 | 13 | 1.75 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **15kW** | | | | | | |
| 33 | 3600 | 44.89 | 30 | 0.90 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 36 | 3267 | 40.65 | 30 | 1.00 | | |
| 40 | 2907 | 36.05 | 29 | 1.10 | | |
| 45 | 2579 | 32.60 | 29 | 1.15 | | |
| 53 | 2189 | 27.63 | 25 | 1.35 | | |
| 64 | 1813 | 22.65 | 25 | 1.55 | | |
| 71 | 1634 | 20.48 | 25 | 1.60 | | |
| 84 | 1381 | 17.36 | 24 | 1.70 | | |
| 96 | 1209 | 15.16 | 24 | 1.75 | | |
| 115 | 1009 | 12.68 | 24 | 1.90 | | |
| 133 | 872 | 10.98 | 23 | 2.00 | | |
| 98 | 1184 | 14.95 | 17 | 0.95 | **GS87 GSF87 GSA87 GSAF87** | **4P** |
| 118 | 983 | 12.40 | 17 | 1.15 | | |
| 135 | 860 | 10.78 | 17 | 1.30 | | |
| **18.5kW** | | | | | | |
| 16 | 8425 | 94.48 | 15 | 0.80 | **GS107 GSF107 GSA107 GSAF107** | **4P** |
| 18 | 7145 | 80.13 | 15 | 0.90 | | |
| 21 | 6991 | 70.04 | 15 | 0.90 | | |
| 23 | 6383 | 65.10 | 15 | 1.00 | | |
| 25 | 5818 | 59.13 | 15 | 1.10 | | |
| 28 | 5217 | 52.46 | 14 | 1.15 | | |
| 31 | 4769 | 47.61 | 14 | 1.20 | | |
| 36 | 4159 | 40.92 | 14 | 1.25 | | |
| 41 | 3631 | 35.72 | 13 | 1.35 | | |
| 49 | 3101 | 30.29 | 13 | 1.40 | | |
| 56 | 2752 | 26.48 | 13 | 1.50 | | |
| 66 | 2327 | 22.39 | 12 | 1.55 | | |
| 41 | 3573 | 36.05 | 27 | 0.90 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 45 | 3231 | 32.60 | 27 | 0.95 | | |
| 53 | 2754 | 27.63 | 27 | 1.05 | | |
| 65 | 2246 | 22.65 | 27 | 1.20 | | |
| 72 | 2027 | 20.48 | 23 | 1.20 | | |
| 85 | 1717 | 17.36 | 23 | 1.40 | | |
| 97 | 1505 | 15.16 | 23 | 1.60 | | |
| 116 | 1258 | 12.68 | 22 | 1.70 | | |
| 134 | 1089 | 10.98 | 22 | 1.80 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **22kW** | | | | | | |
| 23 | 7590 | 65.10 | 14 | 0.85 | **GS107 GSF107 GSA107 GSAF107** | **4P** |
| 25 | 6919 | 59.13 | 14 | 0.95 | | |
| 28 | 6204 | 52.46 | 14 | 1.00 | | |
| 31 | 5671 | 47.61 | 13 | 1.10 | | |
| 36 | 4946 | 40.92 | 13 | 1.15 | | |
| 41 | 4317 | 35.72 | 13 | 1.20 | | |
| 49 | 3688 | 30.29 | 13 | 1.30 | | |
| 56 | 3272 | 26.48 | 12 | 1.35 | | |
| 66 | 2767 | 22.39 | 12 | 1.45 | | |
| 53 | 3267 | 27.63 | 25 | 0.90 | **GS97 GSF97 GSA97 GSAF97** | **4P** |
| 65 | 2664 | 22.65 | 25 | 0.90 | | |
| 72 | 2405 | 20.48 | 19 | 1.00 | | |
| 85 | 2037 | 17.36 | 21 | 1.15 | | |
| 97 | 1785 | 15.16 | 21 | 1.30 | | |
| 116 | 1493 | 12.68 | 21 | 1.50 | | |
| 134 | 1292 | 10.98 | 21 | 1.65 | | |
| **30kW** | | | | | | |
| 31 | 7734 | 47.61 | 12 | 0.85 | **GS107 GSF107 GSA107 GSAF107** | **4P** |
| 36 | 6745 | 40.92 | 12 | 0.95 | | |
| 41 | 5887 | 35.72 | 12 | 1.05 | | |
| 49 | 5029 | 30.29 | 11 | 1.10 | | |
| 56 | 4462 | 26.48 | 11 | 1.15 | | |
| 66 | 3773 | 22.39 | 11 | 1.20 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 87 | 0.13 | 10037 | 2.8 | | |
| | 0.15 | 8654 | 2.8 | | |
| | 0.16 | 8066 | 2.8 | | |
| | 0.19 | 7051 | 2.8 | | |
| | 0.22 | 6079 | 2.8 | | |
| | 0.24 | 5431 | 2.8 | | |
| | 0.28 | 4747 | 2.8 | | |
| | 0.32 | 4155 | 2.8 | GS37R17 GSF37R17 GSA37R17 GSAF37R17 | 0.12 |
| | 0.36 | 3632 | 2.8 | | |
| | 0.46 | 2866 | 2.8 | | |
| | 0.53 | 2471 | 2.8 | | |
| | 0.61 | 2160 | 2.8 | | |
| | 0.69 | 1887 | 2.8 | | |
| | 0.79 | 1665 | 2.8 | | |
| | 0.9 | 1456 | 2.8 | | |
| | 1 | 1271 | 2.8 | | |
| | 1.2 | 1121 | 2.8 | | |
| | 1.3 | 994 | 2.8 | | |
| | 1.5 | 869 | 2.8 | | |
| | 1.7 | 774 | 2.8 | | |
| | 2 | 666 | 2.8 | | |
| | 2.2 | 596 | 2.8 | | |
| | 2.5 | 521 | 2.8 | GS37R17 GSF37R17 GSA37R17 GSAF37R17 | 0.12 |
| | 2.9 | 456 | 2.8 | | |
| | 3.3 | 398 | 2.8 | | |
| | 3.7 | 351 | 2.8 | | |
| | 4.3 | 303 | 2.8 | | |
| | 4.9 | 265 | 2.8 | | |
| | 5.6 | 232 | 2.8 | | |
| | 6.5 | 202 | 2.8 | | |
| | 7.3 | 179 | 2.8 | GS37R17 GSF37R17 GSA37R17 GSAF37R17 | 0.18 |
| | 8.3 | 158 | 2.8 | | |
| | 9.1 | 144 | 2.8 | | |
| | 11 | 118 | 2.8 | | |
| | 12 | 110 | 2.8 | GS37R17 GSF37R17 GSA37R17 GSAF37R17 | 0.25 |
| 170 | 0.1 | 12909 | 5 | | |
| | 0.12 | 11189 | 5 | | |
| | 0.13 | 10374 | 5 | | |
| | 0.15 | 8992 | 5 | | |
| | 0.17 | 7860 | 5 | | |
| | 0.19 | 6887 | 5 | | |
| | 0.22 | 6055 | 5 | | |
| | 0.25 | 5292 | 5 | | |
| | 0.28 | 4637 | 5 | GS47R17 GSF47R17 GSA47R17 GSAF47R17 | 0.12 |
| | 0.32 | 4092 | 5 | | |
| | 0.37 | 3582 | 5 | | |
| | 0.42 | 3131 | 5 | | |
| | 0.48 | 2714 | 5 | | |
| | 0.54 | 2412 | 5 | | |
| | 0.61 | 2131 | 5 | | |
| | 0.7 | 1863 | 5 | | |
| | 0.79 | 1663 | 5 | | |
| | 0.91 | 1435 | 5 | | |
| | 1 | 1254 | 5 | | |
| | 1.2 | 1120 | 5 | | |
| | 1.2 | 1083 | 5 | | |

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 170 | 1.4 | 965 | 5.0 | | |
| | 1.5 | 865 | 5.0 | GS47R17 GSF47R17 GSA47R17 GSAF47R17 | 0.12 |
| | 1.7 | 750 | 5.0 | | |
| | 2.0 | 655 | 5.0 | | |
| | 2.3 | 574 | 5.0 | | |
| | 2.6 | 506 | 5.0 | | |
| | 3.0 | 438 | 5.0 | | |
| | 3.4 | 388 | 4.9 | GS47R17 GSF47R17 GSA47R17 GSAF47R17 | 0.18 |
| | 3.9 | 336 | 4.9 | | |
| | 4.5 | 294 | 4.9 | | |
| | 5.2 | 257 | 4.9 | GS47R17 GSF47R17 GSA47R17 GSAF47R17 | 0.25 |
| | 5.8 | 229 | 4.9 | | |
| | 6.7 | 200 | 4.9 | | |
| | 7.1 | 187 | 4.9 | | |
| | 8.1 | 165 | 4.9 | | |
| | 9.0 | 148 | 4.9 | GS47R17 GSF47R17 GSA47R17 GSAF47R17 | 0.37 |
| | 10 | 131 | 4.9 | | |
| 300 | 0.10 | 12909 | 6.7 | | |
| | 0.12 | 11189 | 6.7 | | |
| | 0.13 | 10374 | 6.7 | | |
| | 0.15 | 8992 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.12 |
| | 0.17 | 7860 | 6.7 | | |
| | 0.19 | 6887 | 6.7 | | |
| | 0.22 | 6055 | 6.7 | | |
| | 0.25 | 5292 | 6.7 | | |
| | 0.28 | 4637 | 6.7 | | |
| | 0.32 | 4092 | 6.7 | | |
| | 0.36 | 3628 | 6.7 | | |
| | 0.42 | 3131 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.12 |
| | 0.48 | 2714 | 6.7 | | |
| | 0.54 | 2412 | 6.7 | | |
| | 0.61 | 2131 | 6.7 | | |
| | 0.70 | 1863 | 6.7 | | |
| | 0.79 | 1663 | 6.7 | | |
| | 0.91 | 1435 | 6.7 | | |
| | 1.0 | 1254 | 6.7 | | |
| | 1.2 | 1083 | 6.7 | | |
| | 1.4 | 965 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.12 |
| | 1.5 | 865 | 6.7 | | |
| | 1.7 | 750 | 6.7 | | |
| | 2.0 | 655 | 6.7 | | |
| | 2.3 | 574 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.18 |
| | 2.6 | 506 | 6.7 | | |
| | 3.0 | 438 | 6.7 | | |
| | 3.4 | 388 | 6.7 | | |
| | 4.0 | 336 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.25 |
| | 4.5 | 294 | 6.7 | | |
| | 4.9 | 269 | 6.7 | | |
| | 5.8 | 229 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.37 |
| | 6.5 | 204 | 6.7 | | |
| | 7.1 | 187 | 6.7 | | |
| | 8.1 | 165 | 6.7 | GS57R17 GSF57R17 GSA57R17 GSAF57R17 | 0.55 |
| | 10 | 131 | 6.7 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| **520** | 0.06 | 21362 | 7.8 | | |
| | 0.07 | 19594 | 7.8 | | |
| | 0.07 | 18120 | 7.8 | | |
| | 0.08 | 16682 | 7.8 | | |
| | 0.09 | 14383 | 7.8 | **GS67R37** | |
| | 0.1 | 12774 | 7.8 | **GSF67R37** | **0.12** |
| | 0.12 | 11013 | 7.8 | **GSA67R37** | |
| | 0.14 | 9694 | 7.8 | **GSAF67R37** | |
| | 0.15 | 8529 | 7.8 | | |
| | 0.18 | 7455 | 7.8 | | |
| | 0.2 | 6531 | 7.8 | | |
| | 0.23 | 5759 | 7.8 | | |
| | 0.26 | 4965 | 7.8 | | |
| | 0.3 | 4410 | 7.8 | | |
| | 0.34 | 3880 | 7.8 | | |
| | 0.38 | 3432 | 7.8 | | |
| | 0.44 | 2944 | 7.8 | **GS67R37** | |
| | 0.5 | 2630 | 7.8 | **GSF67R37** | **0.12** |
| | 0.57 | 2279 | 7.8 | **GSA67R37** | |
| | 0.65 | 2014 | 7.8 | **GSAF67R37** | |
| | 0.74 | 1772 | 7.8 | | |
| | 0.84 | 1559 | 7.8 | | |
| | 0.96 | 1363 | 7.8 | | |
| | 1.1 | 1194 | 7.8 | | |
| | 1.3 | 1045 | 7.8 | **GS67R37** | |
| | 1.4 | 914 | 7.8 | **GSF67R37** | **0.18** |
| | | | | **GSA67R37** | |
| | | | | **GSAF67R37** | |
| | 1.6 | 809 | 7.8 | **GS67R37** | |
| | 1.8 | 712 | 7.8 | **GSF67R37** | **0.18** |
| | | | | **GSA67R37** | |
| | | | | **GSAF67R37** | |
| | 2.2 | 615 | 7.8 | **GS67R37** | |
| | 2.4 | 543 | 7.8 | **GSF67R37** | **0.25** |
| | | | | **GSA67R37** | |
| | | | | **GSAF67R37** | |
| | 2.8 | 469 | 7.8 | **GS67R37** | |
| | 3.1 | 424 | 7.8 | **GSF67R37** | **0.37** |
| | 3.6 | 365 | 7.8 | **GSA67R37** | |
| | | | | **GSAF67R37** | |
| | 4.4 | 319 | 7.8 | **GS67R37** | |
| | 4.9 | 281 | 7.8 | **GSF67R37** | |
| | 5.7 | 246 | 7.8 | **GSA67R37** | **0.55** |
| | 6.3 | 221 | 7.8 | **GSAF67R37** | |
| | 8.3 | 168 | 7.8 | | |
| | 7 | 198 | 7.8 | **GS67R37** | |
| | | | | **GSF67R37** | **0.75** |
| | | | | **GSA67R37** | |
| | | | | **GSAF67R37** | |
| **1220** | 0.05 | 25493 | 11 | | |
| | 0.06 | 21787 | 11 | | |
| | 0.07 | 19907 | 11 | **GS77R37** | |
| | 0.08 | 17013 | 11 | **GSF77R37** | **0.12** |
| | 0.09 | 14668 | 11 | **GSA77R37** | |
| | 0.1 | 13110 | 11 | **GSAF77R37** | |
| | 0.11 | 11569 | 11 | | |

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| **1220** | 0.13 | 9887 | 11 | | |
| | 0.15 | 8817 | 11 | | |
| | 0.17 | 7735 | 11 | | |
| | 0.19 | 6735 | 11 | **GS77R37** | |
| | 0.22 | 5943 | 11 | **GSF77R37** | **0.12** |
| | 0.25 | 5214 | 11 | **GSA77R37** | |
| | 0.28 | 4618 | 11 | **GSAF77R37** | |
| | 0.33 | 3992 | 11 | | |
| | 0.37 | 3540 | 11 | | |
| | 0.42 | 3098 | 11 | **GS77R37** | |
| | | | | **GSF77R37** | **0.18** |
| | | | | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 0.48 | 2753 | 11 | **GS77R37** | |
| | 0.55 | 2374 | 11 | **GSF77R37** | **0.12** |
| | | | | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 0.63 | 2083 | 11 | **GS77R37** | |
| | 0.72 | 1813 | 11 | **GSF77R37** | **0.18** |
| | 0.75 | 1745 | 11 | **GSA77R37** | |
| | 0.82 | 1600 | 11 | **GSAF77R37** | |
| | 0.95 | 1404 | 11 | **GS77R37** | |
| | 1.1 | 1245 | 11 | **GSF77R37** | **0.25** |
| | | | | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 1.2 | 1100 | 11 | **GS77R37** | |
| | | | | **GSF77R37** | **0.25** |
| | | | | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 1.4 | 954 | 11 | **GS77R37** | |
| | 1.6 | 837 | 11 | **GSF77R37** | **0.37** |
| | 1.9 | 714 | 11 | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 2.2 | 637 | 11 | **GS77R37** | |
| | 2.4 | 574 | 11 | **GSF77R37** | **0.55** |
| | 2.8 | 499 | 11 | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 3.2 | 438 | 11 | **GS77R37** | |
| | 3.6 | 389 | 11 | **GSF77R37** | **0.75** |
| | | | | **GSA77R37** | |
| | | | | **GSAF77R37** | |
| | 4.3 | 327 | 11 | **GS77R37** | |
| | 4.8 | 289 | 11 | **GSF77R37** | **1.1** |
| | 5.6 | 250 | 11 | **GSA77R37** | |
| | 6.4 | 219 | 11 | **GSAF77R37** | |
| **2300** | 0.05 | 25987 | 26 | | |
| | 0.05 | 23940 | 26 | | |
| | 0.06 | 20568 | 26 | | |
| | 0.07 | 18265 | 26 | | |
| | 0.08 | 16774 | 26 | **GS87R57** | |
| | 0.09 | 14820 | 26 | **GSF87R57** | **0.12** |
| | 0.10 | 13160 | 26 | **GSA87R57** | |
| | 0.12 | 11200 | 26 | **GSAF87R57** | |
| | 0.13 | 9904 | 26 | | |
| | 0.15 | 8549 | 26 | | |
| | 0.17 | 7643 | 26 | | |
| | 0.20 | 6706 | 26 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 2300 | 0.22 | 5875 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 0.18 |
| | 0.25 | 5187 | 26 | | |
| | 0.28 | 4606 | 26 | | |
| | 0.34 | 3872 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 0.25 |
| | 0.38 | 3475 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 0.25 |
| | 0.46 | 2905 | 26 | | |
| | 0.51 | 2586 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 0.37 |
| | 0.57 | 2335 | 26 | | |
| | 0.65 | 2054 | 26 | | |
| | 0.76 | 1824 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 0.55 |
| | 0.85 | 1631 | 26 | | |
| | 1.0 | 1332 | 26 | | |
| | 1.2 | 1191 | 26 | | |
| | 1.3 | 1032 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 0.75 |
| | 1.5 | 930 | 26 | | |
| | 1.7 | 831 | 26 | | |
| | 1.9 | 719 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 1.1 |
| | 2.2 | 624 | 26 | | |
| | 2.5 | 558 | 26 | | |
| | 2.9 | 485 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 1.5 |
| | 3.2 | 435 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 1.5 |
| | 3.7 | 378 | 26 | | |
| | 5.5 | 255 | 26 | | |
| | 6.3 | 222 | 26 | | |
| | 6.8 | 205 | 26 | | |
| | 4.4 | 323 | 26 | GS87R57 GSF87R57 GSA87R57 GSAF87R57 | 2.2 |
| | 5.1 | 281 | 26 | | |
| 4000 | 0.04 | 33818 | 31 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 0.12 |
| | 0.04 | 31154 | 31 | | |
| | 0.05 | 27847 | 31 | | |
| | 0.05 | 24641 | 31 | | |
| | 0.06 | 21537 | 31 | | |
| | 0.07 | 18749 | 31 | | |
| | 0.08 | 16233 | 31 | | |
| | 0.09 | 14576 | 31 | | |
| | 0.10 | 12752 | 31 | | |
| | 0.12 | 11267 | 31 | | |
| | 0.13 | 10078 | 31 | | |
| | 0.15 | 8608 | 31 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 0.18 |
| | 0.17 | 7554 | 31 | | |
| | 0.20 | 6640 | 30 | | |
| | 0.23 | 5780 | 30 | | |
| | 0.27 | 4937 | 30 | | |
| 4000 | 0.30 | 4444 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 0.25 |
| | 0.33 | 4017 | 30 | | |
| | 0.39 | 3453 | 30 | | |
| | 0.43 | 3108 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 0.37 |
| | 0.50 | 2654 | 30 | | |
| | 0.57 | 2329 | 30 | | |
| | 0.67 | 2081 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 0.55 |
| | 0.75 | 1860 | 30 | | |
| | 0.88 | 1574 | 30 | | |
| | 1.0 | 1394 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 0.75 |
| | 1.1 | 1223 | 30 | | |
| | 1.3 | 1070 | 30 | | |
| | 1.5 | 928 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 1.1 |
| | 1.7 | 824 | 30 | | |
| | 2.0 | 714 | 31 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 1.5 |
| | 2.2 | 626 | 30 | | |
| | 2.6 | 538 | 30 | | |
| | 3.0 | 484 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 2.2 |
| | 3.4 | 420 | 30 | | |
| | 3.8 | 376 | 30 | | |
| | 4.4 | 327 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 3 |
| | 5.0 | 287 | 30 | | |
| | 5.7 | 252 | 30 | GS97R57 GSF97R57 GSA97R57 GSAF97R57 | 4 |
| | 6.6 | 219 | 30 | | |
| | 7.0 | 205 | 30 | | |
| 6500 | 0.05 | 27093 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.12 |
| | 0.06 | 23118 | 40 | | |
| | 0.06 | 20215 | 40 | | |
| | 0.07 | 18344 | 40 | | |
| | 0.08 | 15767 | 40 | | |
| | 0.10 | 12901 | 40 | | |
| | 0.11 | 11708 | 40 | | |
| | 0.06 | 20215 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.18 |
| | 0.07 | 18344 | 40 | | |
| | 0.08 | 15767 | 40 | | |
| | 0.10 | 12901 | 40 | | |
| | 0.11 | 11708 | 40 | | |
| | 0.12 | 10719 | 40 | | |
| | 0.13 | 9727 | 40 | | |
| | 0.16 | 8360 | 40 | | |
| | 0.08 | 15767 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.25 |
| | 0.10 | 12901 | 40 | | |
| | 0.11 | 11708 | 40 | | |
| | 0.12 | 10719 | 40 | | |
| | 0.14 | 9727 | 40 | | |
| | 0.16 | 8360 | 40 | | |

S

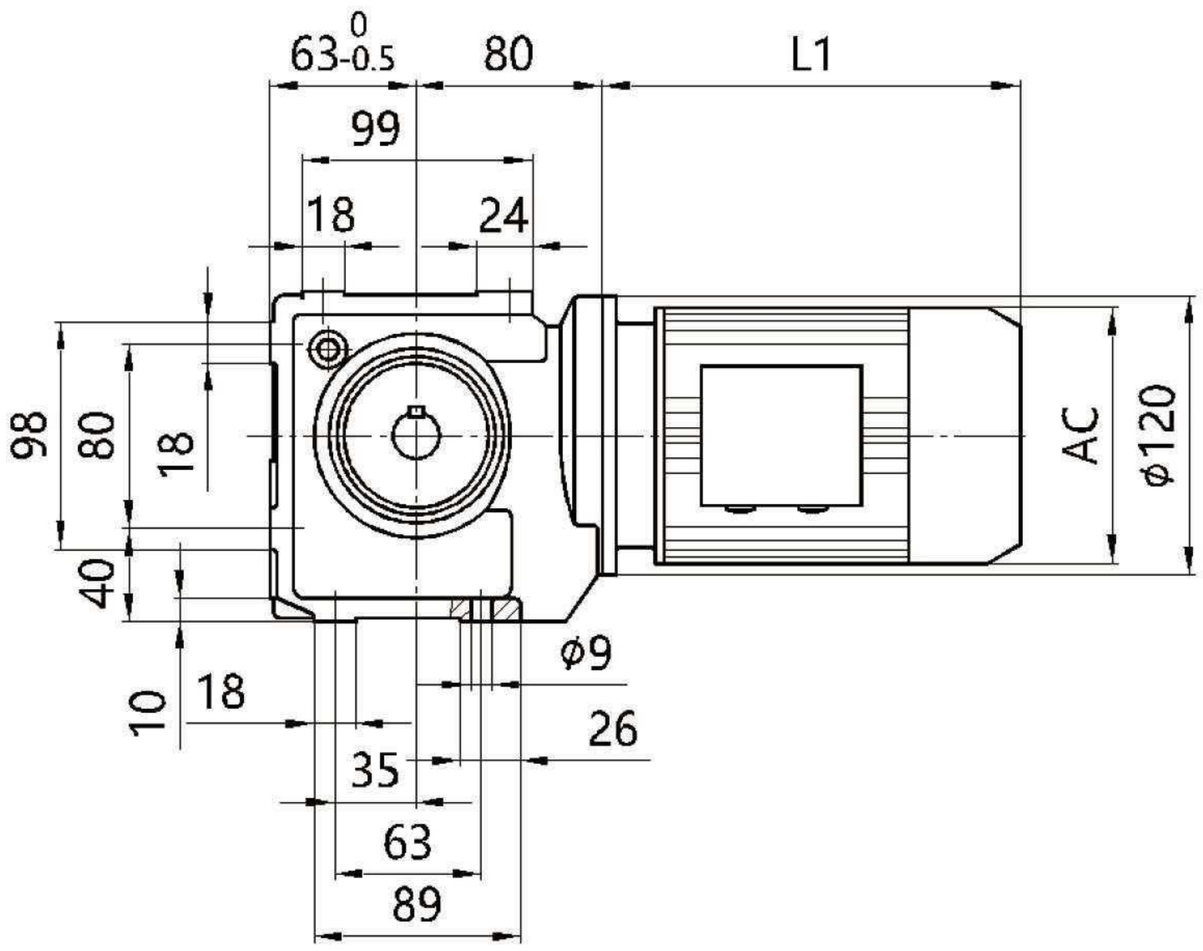
## 选型参数表 (恒转矩)

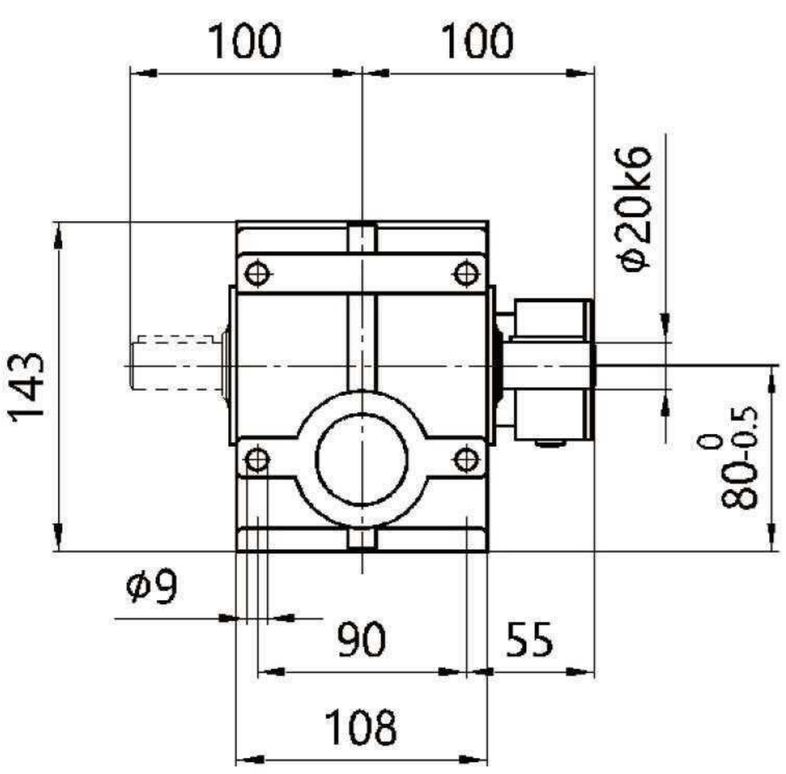
## Selection Table (Constant Torque)

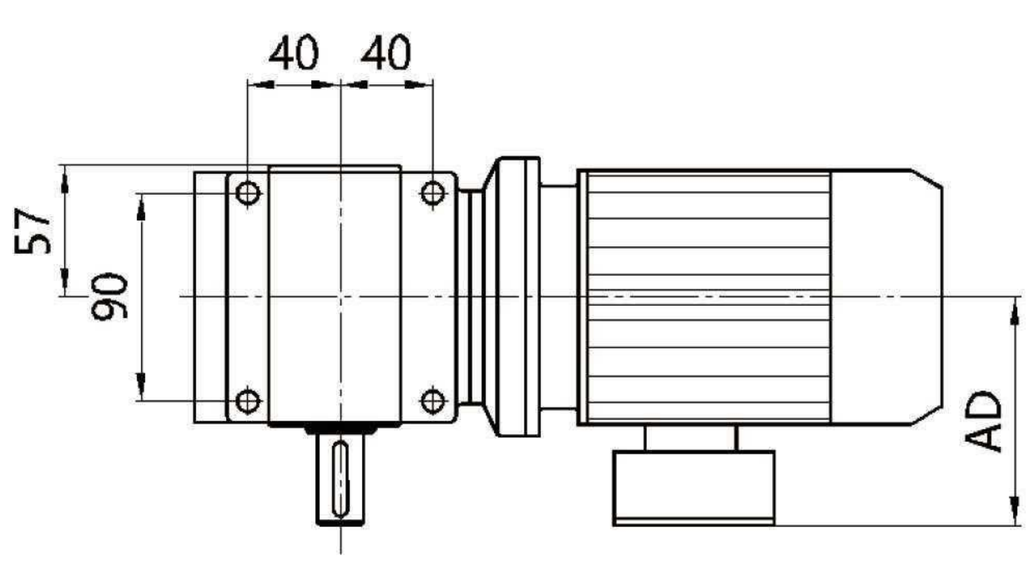
| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 6500 | 0.18 | 7226 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.25 |
| | 0.20 | 6557 | 40 | | |
| | 0.23 | 5769 | 40 | | |
| | 0.14 | 9727 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.37 |
| | 0.16 | 8360 | 40 | | |
| | 0.18 | 7226 | 40 | | |
| | 0.20 | 6557 | 40 | | |
| | 0.23 | 5769 | 40 | | |
| | 0.27 | 4958 | 40 | | |
| | 0.31 | 4328 | 40 | | |
| | 0.19 | 7226 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.55 |
| | 0.21 | 6557 | 40 | | |
| | 0.24 | 5769 | 40 | | |
| | 0.28 | 4958 | 40 | | |
| | 0.32 | 4328 | 40 | | |
| | 0.43 | 3243 | 40 | | |
| | 0.55 | 2530 | 40 | | |
| | 0.24 | 5769 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 0.75 |
| | 0.28 | 4958 | 40 | | |
| | 0.32 | 4328 | 40 | | |
| | 0.43 | 3243 | 40 | | |
| | 0.55 | 2530 | 40 | | |
| | 0.63 | 2208 | 40 | | |
| | 0.71 | 1950 | 40 | | |
| | 0.43 | 3243 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 1.1 |
| | 0.55 | 2530 | 40 | | |
| | 0.63 | 2208 | 40 | | |
| | 0.72 | 1950 | 40 | | |
| | 0.79 | 1769 | 40 | | |
| | 0.92 | 1521 | 40 | | |
| | 1.05 | 1327 | 40 | | |
| | 0.55 | 2530 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 1.5 |
| | 0.63 | 2208 | 40 | | |
| | 0.72 | 1950 | 40 | | |
| | 0.79 | 1769 | 40 | | |
| | 0.92 | 1521 | 40 | | |
| | 1.1 | 1327 | 40 | | |
| | 1.2 | 1126 | 40 | | |
| | 1.4 | 984 | 40 | | |
| 6500 | 0.94 | 1521 | 40 | | |
| | 1.1 | 1327 | 40 | | |
| | 1.3 | 1126 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 2.2 |
| | 1.5 | 984 | 40 | | |
| | 1.7 | 864 | 40 | | |
| | 1.8 | 812 | 40 | | |
| | 2.1 | 688 | 40 | | |
| | 2.4 | 602 | 40 | | |
| | 1.3 | 1126 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 3 |
| | 1.5 | 984 | 40 | | |
| | 1.7 | 864 | 40 | | |
| | 1.8 | 812 | 40 | | |
| | 2.1 | 688 | 40 | | |
| | 2.4 | 602 | 40 | | |
| | 2.6 | 544 | 40 | | |
| | 3.0 | 476 | 40 | | |
| | 3.5 | 409 | 40 | | |
| | 1.8 | 812 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 4 |
| | 2.1 | 688 | 40 | | |
| | 2.4 | 602 | 40 | | |
| | 2.6 | 544 | 40 | | |
| | 3.0 | 476 | 40 | | |
| | 3.5 | 409 | 40 | | |
| | 4.1 | 352 | 40 | | |
| | 4.7 | 307 | 40 | | |
| | 2.4 | 602 | 40 | GS107R77 GSF107R77 GSA107R77 GSAF107R77 | 5.5 |
| | 2.6 | 544 | 40 | | |
| | 3.0 | 476 | 40 | | |
| | 3.5 | 409 | 40 | | |
| | 4.1 | 352 | 40 | | |
| | 4.7 | 307 | 40 | | |

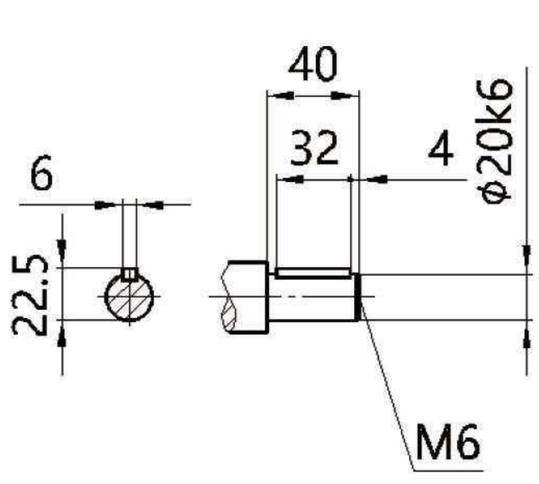
## GS37
## 安装结构尺寸

## GS37
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

2.直联电机尺寸见附录 A-2 和 A-3

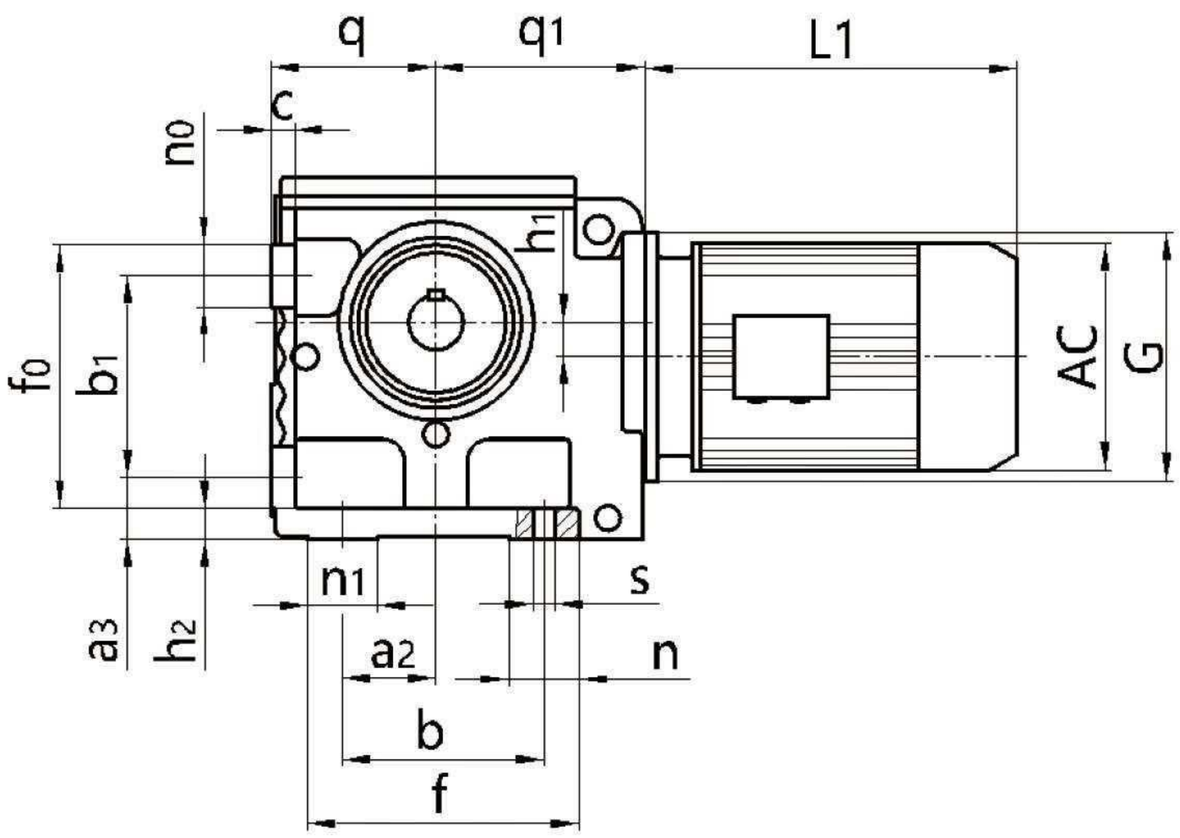
Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

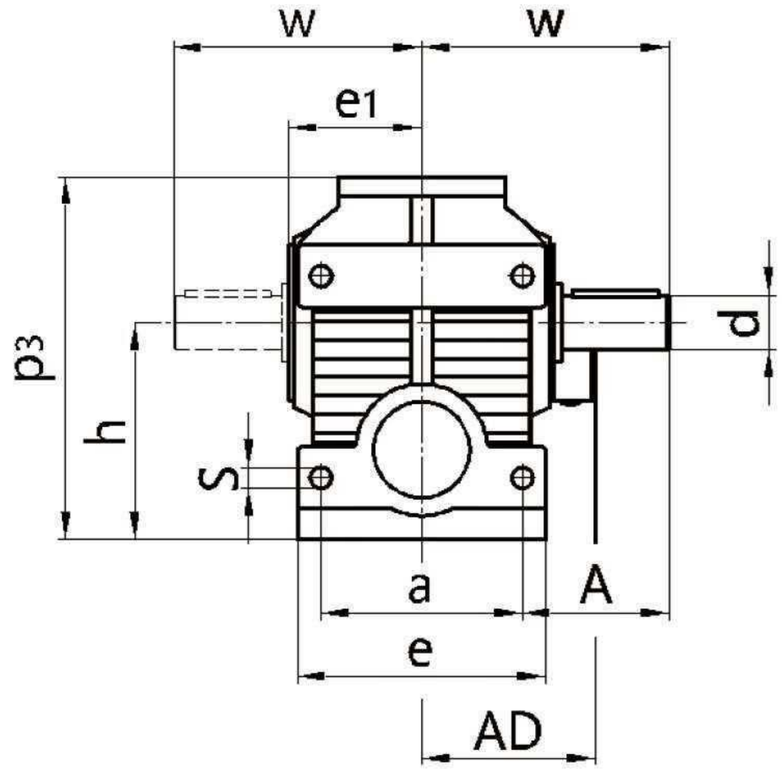
2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

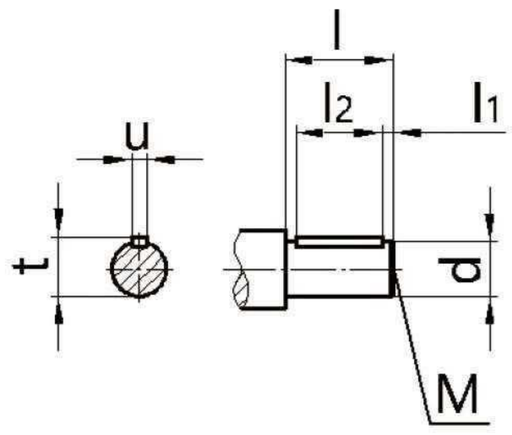
S

## GS47-97
## 安装结构尺寸

## GS47-97
## Mounting Dimensional Description




搅拌机

| 机 型 号 Type Size | q<br>d | q1<br>w | c<br>A | f0<br>a | b1<br>e | n0<br>h | a3<br>p3 | h1<br>e1 | h2<br>u | n1<br>t | a2<br>l | s<br>l1 | n<br>l2 | b<br>M | f<br>G | 电机尺寸 Motor Size<br>AC | <br>AD | <br>L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GS47 | 75-0.5<br>Φ25k6 | 96<br>115 | 12<br>65 | 105<br>100 | 80<br>120 | 25<br>100-0.5 | 35<br>167 | 8<br>60 | 15<br>8 | 30<br>28 | 35<br>50 | Φ11<br>5 | 32<br>40 | 80<br>M10 | 112<br>Φ120 | 见附录 A-2 和 A-3<br>Please see appendix A-2 and A-3 | | |
| GS57 | 80-0.5<br>Φ30k6 | 107<br>134 | 12<br>79 | 130<br>110 | 100<br>136 | 30<br>112-0.5 | 35<br>190 | 20<br>71 | 15<br>8 | 30<br>33 | 45<br>60 | Φ11<br>3.5 | 30<br>50 | 100<br>M10 | 130<br>Φ120 | | | |
| GS67 | 106-0.5<br>Φ35k6 | 135<br>160 | 15<br>95 | 170<br>130 | 130<br>160 | 40<br>140-0.5 | 40<br>238 | 22<br>85.5 | 20<br>10 | 45<br>38 | 60<br>70 | Φ13.5<br>7 | 45<br>56 | 130<br>M12 | 175<br>Φ160 | | | |
| GS77 | 125-0.5<br>Φ45k6 | 162<br>195 | 25<br>120 | 177<br>150 | 135<br>185 | 42<br>180-0.5 | 70<br>304 | 34<br>101 | 25<br>14 | 50<br>48.5 | 75<br>90 | Φ17.5<br>5 | 69<br>80 | 135<br>M16 | 204<br>Φ200 | | | |
| GS87 | 150-0.5<br>Φ60m6 | 190<br>255 | 30<br>155 | 230<br>200 | 180<br>250 | 50<br>225-0.5 | 82<br>372 | 37.5<br>130 | 30<br>18 | 60<br>64 | 92<br>120 | Φ22<br>5 | 67<br>110 | 180<br>M20 | 247<br>Φ250 | | | |
| GS97 | 180-0.5<br>Φ70m6 | 240<br>295 | 35<br>170 | 295<br>250 | 235<br>300 | 60<br>280-1 | 90<br>461 | 52<br>150 | 35<br>20 | 80<br>74.5 | 115<br>140 | Φ26<br>7.5 | 85<br>125 | 235<br>M20 | 320<br>Φ300 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

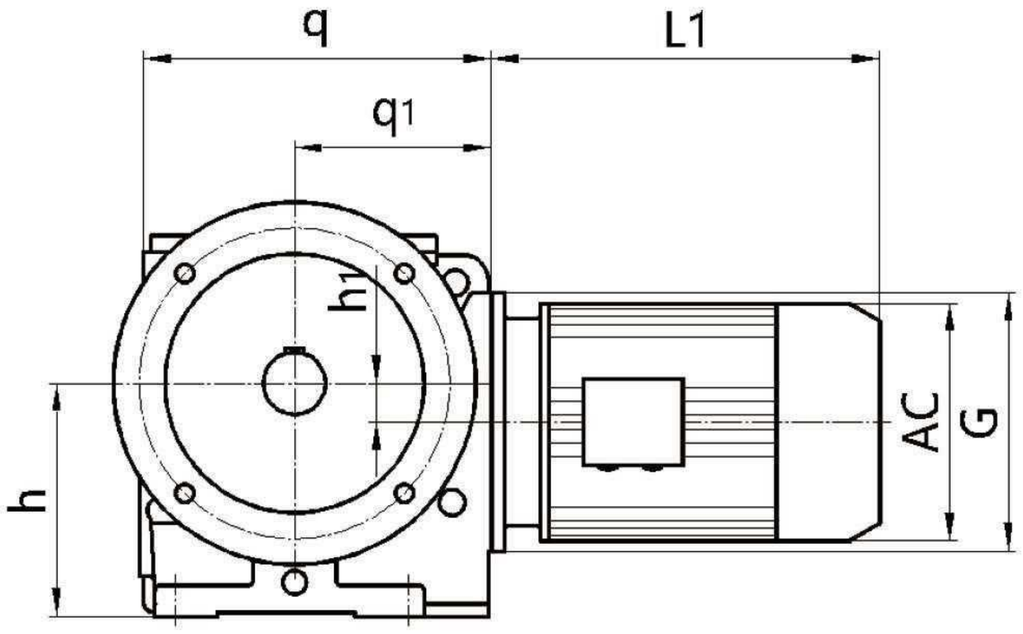
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

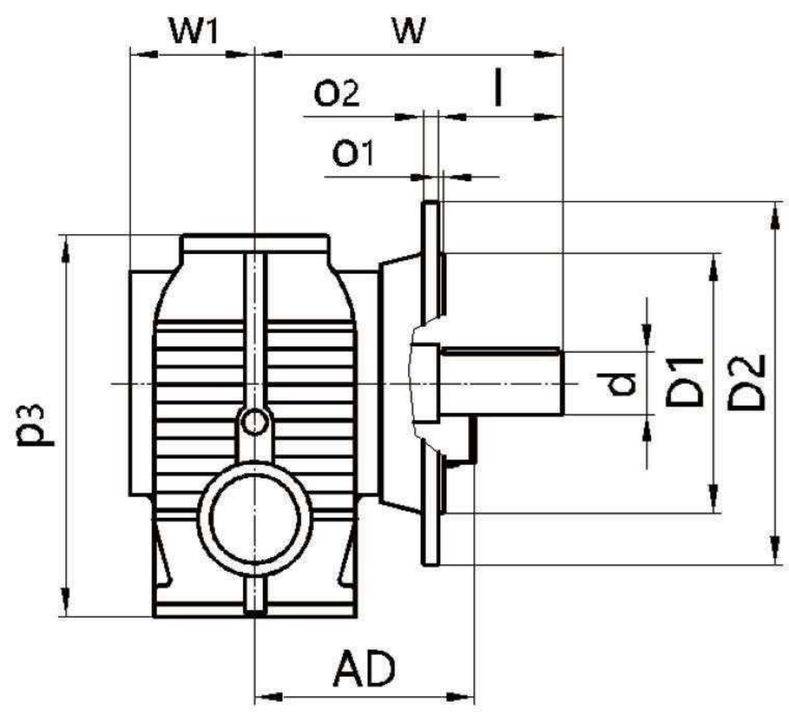
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

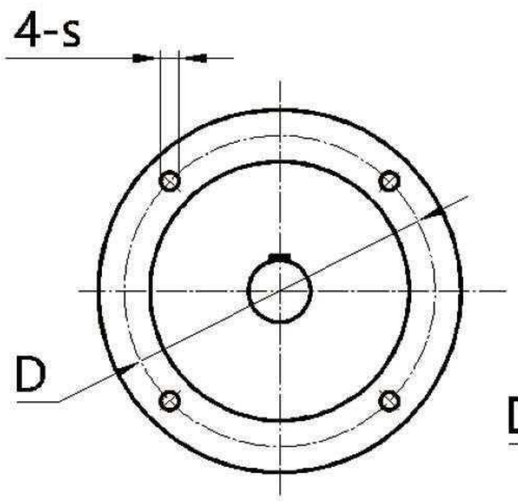
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GSF37-97
## 安装结构尺寸

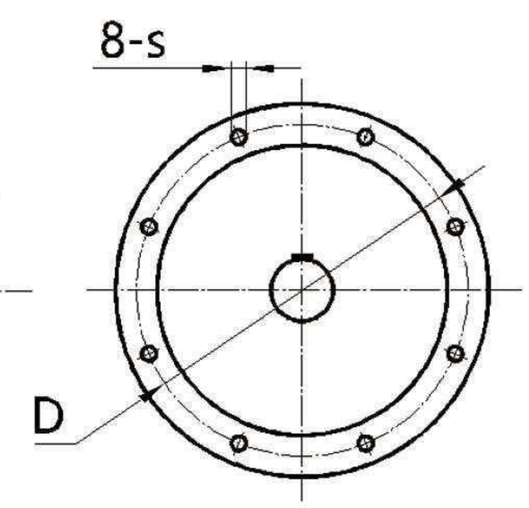
## GSF37-97
## Mounting Dimensional Description



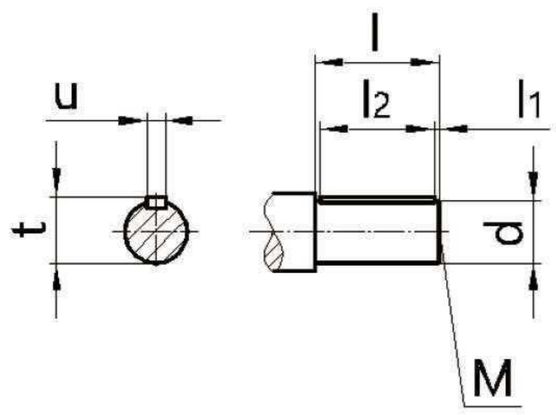




GSF27-87




GSF97




| 机 型 号<br>Type Size | q<br>$p_3$ | $q_1$<br>w | h<br>$w_1$ | $h_1$<br>u | s<br>t | D<br>l | D1<br>$l_1$ | D2<br>$l_2$ | $o_1$<br>d | $o_2$<br>M | G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | AC | AD | L1 |
| GSF37 | 143<br>131 | 80<br>115 | $82_{-0.5}$<br>57 | /<br>6 | Φ9/Φ6.6<br>22.5 | Φ130/Φ100<br>40 | Φ110j6/Φ80j6<br>4 | Φ160/Φ120<br>32 | 3.5/3<br>Φ20k6 | 10/8<br>M6 | Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GSF47 | 175<br>181 | 96<br>133.5 | $100_{-0.5}$<br>57.5 | 8<br>8 | Φ9<br>28 | Φ130<br>50 | Φ110j6<br>5 | Φ160<br>40 | 3.5<br>Φ25k6 | 10<br>M10 | Φ120 | | | |
| GSF57 | 191<br>191 | 107<br>160 | $112_{-0.5}$<br>72 | 20<br>8 | Φ11<br>33 | Φ165<br>60 | Φ130j6<br>3.5 | Φ200<br>50 | 3.5<br>Φ30k6 | 10<br>M10 | Φ120 | | | |
| GSF67 | 246<br>238 | 135<br>190 | $140_{-0.5}$<br>80.5 | 22<br>10 | Φ11<br>38 | Φ165<br>70 | Φ130j6<br>7 | Φ200<br>56 | 3.5<br>Φ35k6 | 12<br>M12 | Φ160 | | | |
| GSF77 | 292<br>304 | 162<br>232 | $180_{-0.5}$<br>125 | 34<br>14 | Φ13.5<br>48.5 | Φ215<br>90 | Φ180j6<br>5 | Φ250<br>80 | 4<br>Φ45k6 | 15<br>M16 | Φ200 | | | |
| GSF87 | 344<br>372 | 190<br>290 | $225_{-0.5}$<br>150 | 37.5<br>18 | Φ17.5<br>64 | Φ300<br>120 | Φ250h6<br>5 | Φ350<br>110 | 5<br>Φ60m6 | 15<br>M20 | Φ250 | | | |
| GSF97 | 425<br>460 | 240<br>340 | $280_{-1}$<br>170 | 52<br>20 | Φ17.5<br>74.5 | Φ400<br>140 | Φ350h6<br>7.5 | Φ450<br>125 | 5<br>Φ70m6 | 22<br>M20 | Φ300 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

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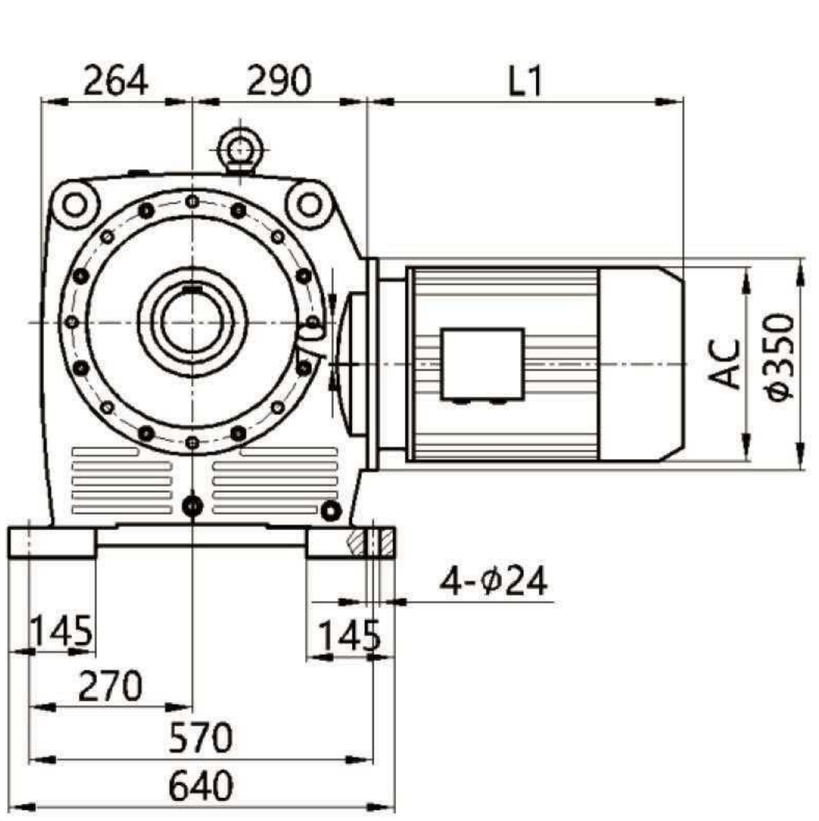
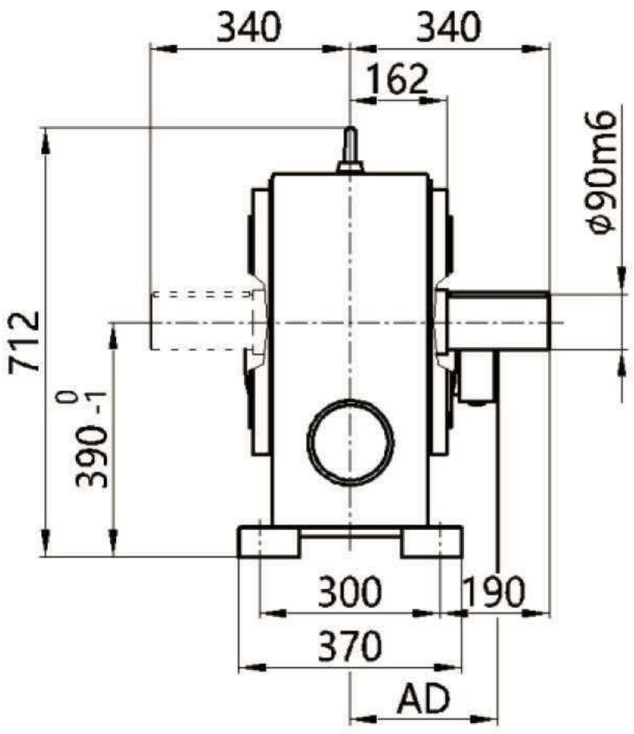
## GS107/GSF107
## 安装结构尺寸

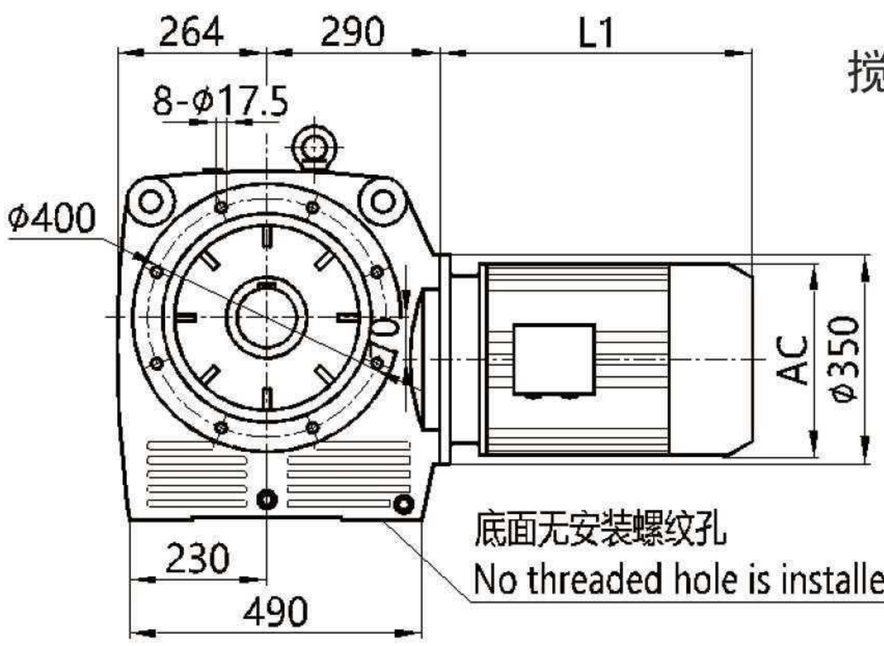
## GS107/GSF107
## Mounting Dimensional Description

GSF107

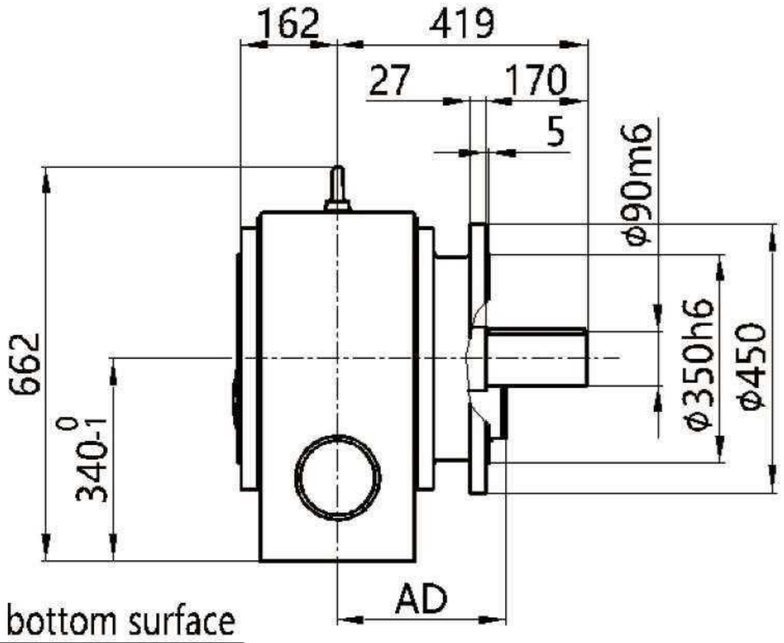


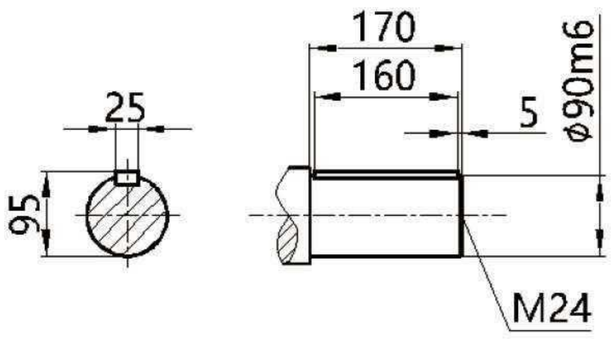

GSF107




搅拌机




底面无安装螺纹孔
No threaded hole is installed on the bottom surface

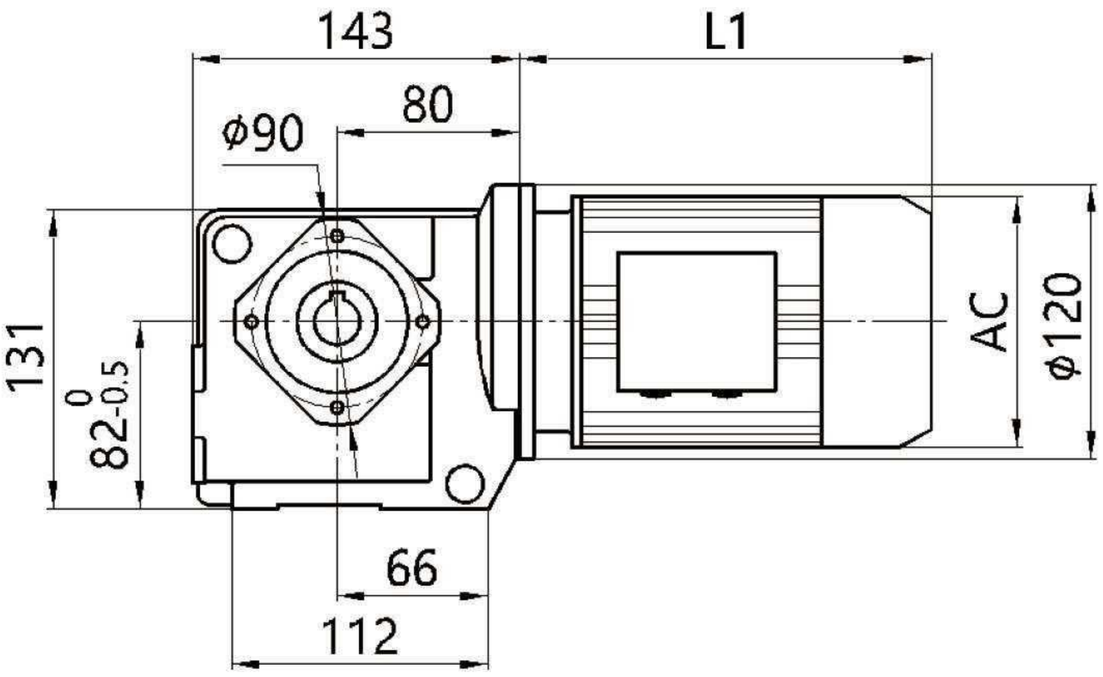


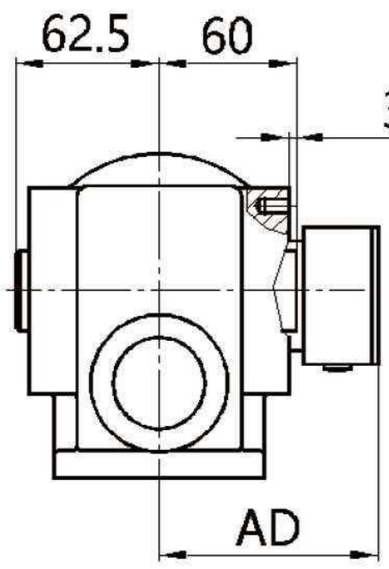

注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）
2.直联电机尺寸见附录 A-2 和 A-3

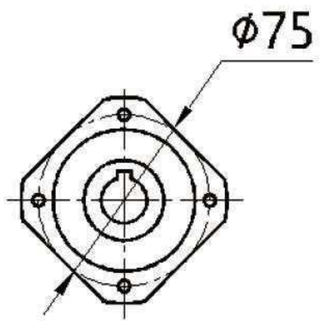
Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）
2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

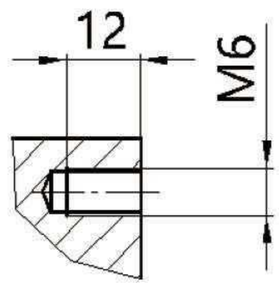
## GSA37
## 安装结构尺寸

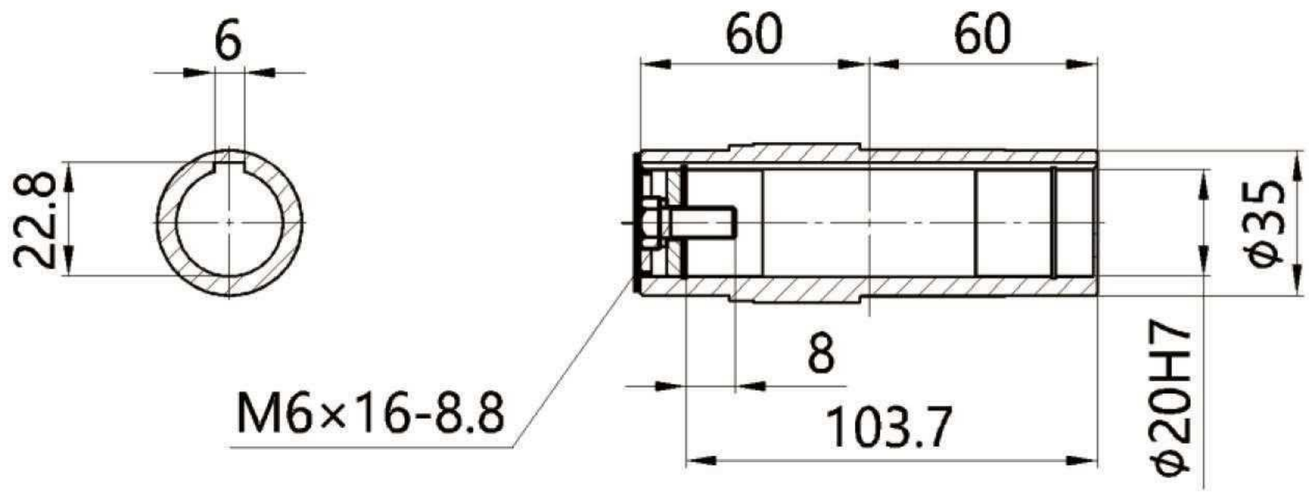
## GSA37
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

2.直联电机尺寸见附录 A-2 和 A-3

Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

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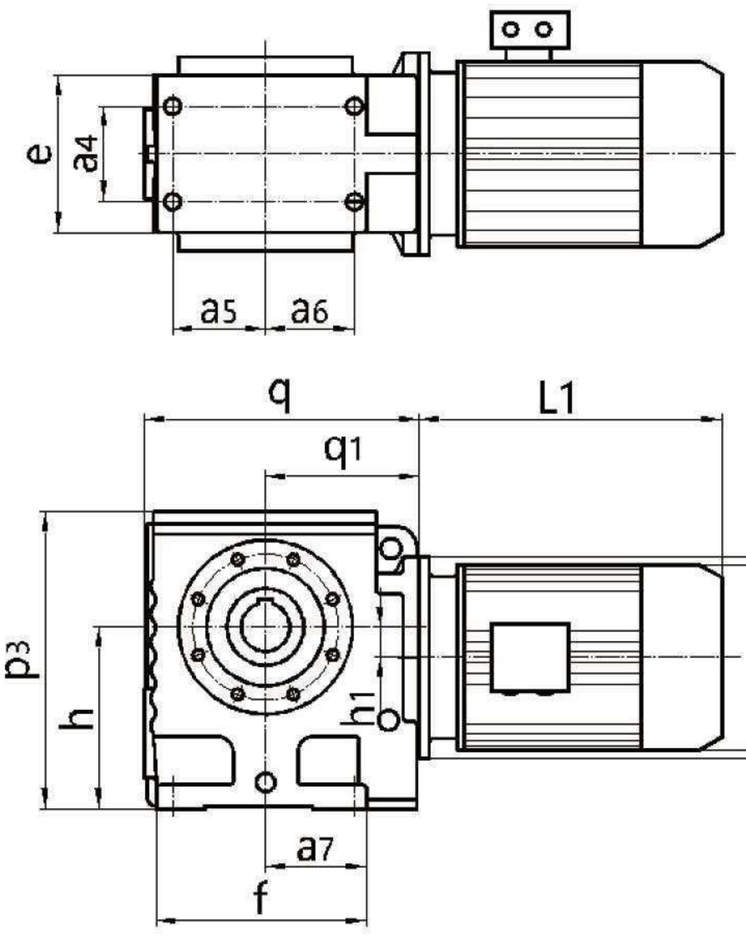
## GSA47-97
## 安装结构尺寸

## GSA47-97
## Mounting Dimensional Description



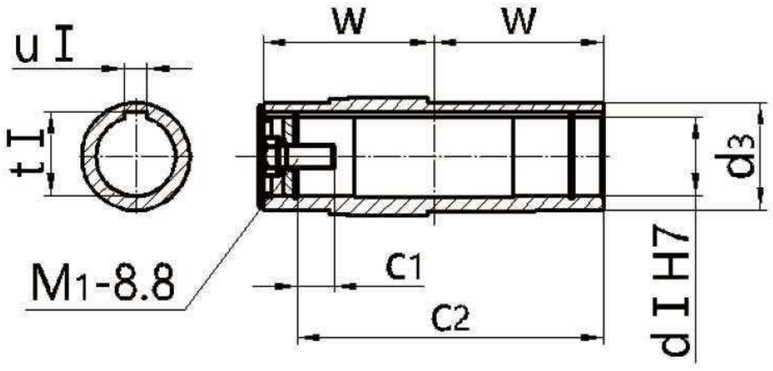

GSA47、GSA67

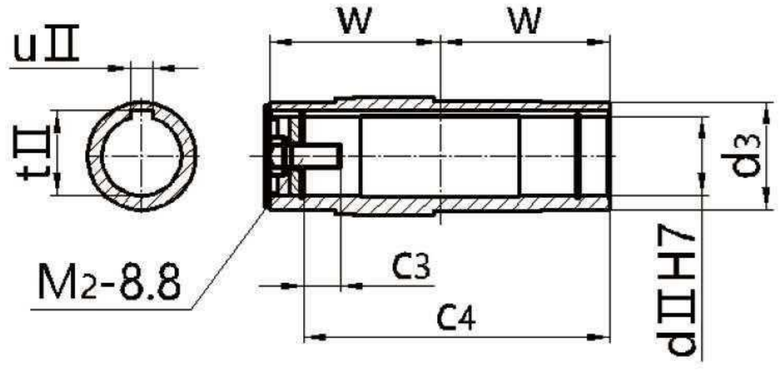
GSA57

GSA77、GSA87、GSA97

较大孔径（The bigger diameter of bore）

较小孔径（The smaller diameter of bore）




| 机 型 号<br>Type Size | e<br>$h_1$ | $a_4$<br>$a_7$ | $a_5$<br>f | $a_6$<br>w | s<br>$f_1$ | $l_3$<br>D1 | $s_1$<br>$d_3$ | $l_4$<br>d I | D<br>u I | q<br>t I | $q_1$<br>dⅡ | $p_3$<br>uⅡ | h<br>tⅡ | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | $M_1$<br>$M_2$ | G<br>$w_1$ | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSA47 | 94<br>8 | 60<br>67 | 35<br>127 | 52<br>60 | M10<br>2.5 | 20<br>Φ130 | M8<br>Φ45 | 14<br>Φ30 | Φ115<br>8 | 175<br>33.3 | 96<br>Φ25 | 181<br>8 | $100_{-0.5}$<br>28.3 | 17<br>103.7 | 17<br>103.7 | M10×25<br>M10×25 | Φ120<br>63 | 见附录 A-2 和 A-3<br>Please see appendix A-2 and A-3 | | |
| GSA57 | 100<br>20 | 60<br>73 | 58.5<br>146 | 58.5<br>75 | M10<br>3 | 20<br>Φ120 | M8<br>Φ50 | 15<br>Φ35 | Φ102<br>10 | 191<br>38.3 | 107<br>Φ30 | 191<br>8 | $112_{-0.5}$<br>33.3 | 22<br>132 | 17<br>132 | M12×30<br>M10×25 | Φ120<br>78 | | | |
| GSA67 | 130<br>22 | 88<br>95.5 | 71.5<br>182 | 80.5<br>84 | M12<br>3.5 | 25<br>Φ155 | M12<br>Φ65 | 20<br>Φ45 | Φ130<br>14 | 246<br>48.8 | 135<br>Φ40 | 238<br>12 | $140_{-0.5}$<br>43.3 | 29<br>144 | 29<br>144 | M16×40<br>M16×40 | Φ160<br>87 | | | |
| GSA77 | 156<br>34 | 102<br>104 | 85<br>204 | 85<br>105 | M16<br>4 | 32<br>Φ178 | M12<br>Φ80 | 21<br>Φ60 | Φ155<br>18 | 292<br>64.4 | 162<br>Φ50 | 304<br>14 | $180_{-0.5}$<br>53.8 | 37<br>183 | 32<br>183 | M20×50<br>M16×45 | Φ200<br>108 | | | |
| GSA87 | 194<br>37.5 | 118<br>125 | 115<br>260 | 110<br>125 | M16<br>5 | 32<br>Φ215 | M16<br>Φ95 | 28<br>Φ70 | Φ180<br>20 | 344<br>74.9 | 190<br>Φ60 | 372<br>18 | $225_{-0.5}$<br>64.4 | 34<br>220 | 36<br>220 | M20×50<br>M20×50 | Φ250<br>128 | | | |
| GSA97 | 236<br>52 | 160<br>140 | 135<br>301 | 113<br>145 | M20<br>5 | 37<br>Φ260 | M16<br>Φ120 | 28<br>Φ90 | Φ220<br>25 | 425<br>95.4 | 240<br>Φ70 | 460<br>20 | $280_{-1}$<br>74.9 | 41<br>260 | 34<br>260 | M24×60<br>M20×50 | Φ300<br>149 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

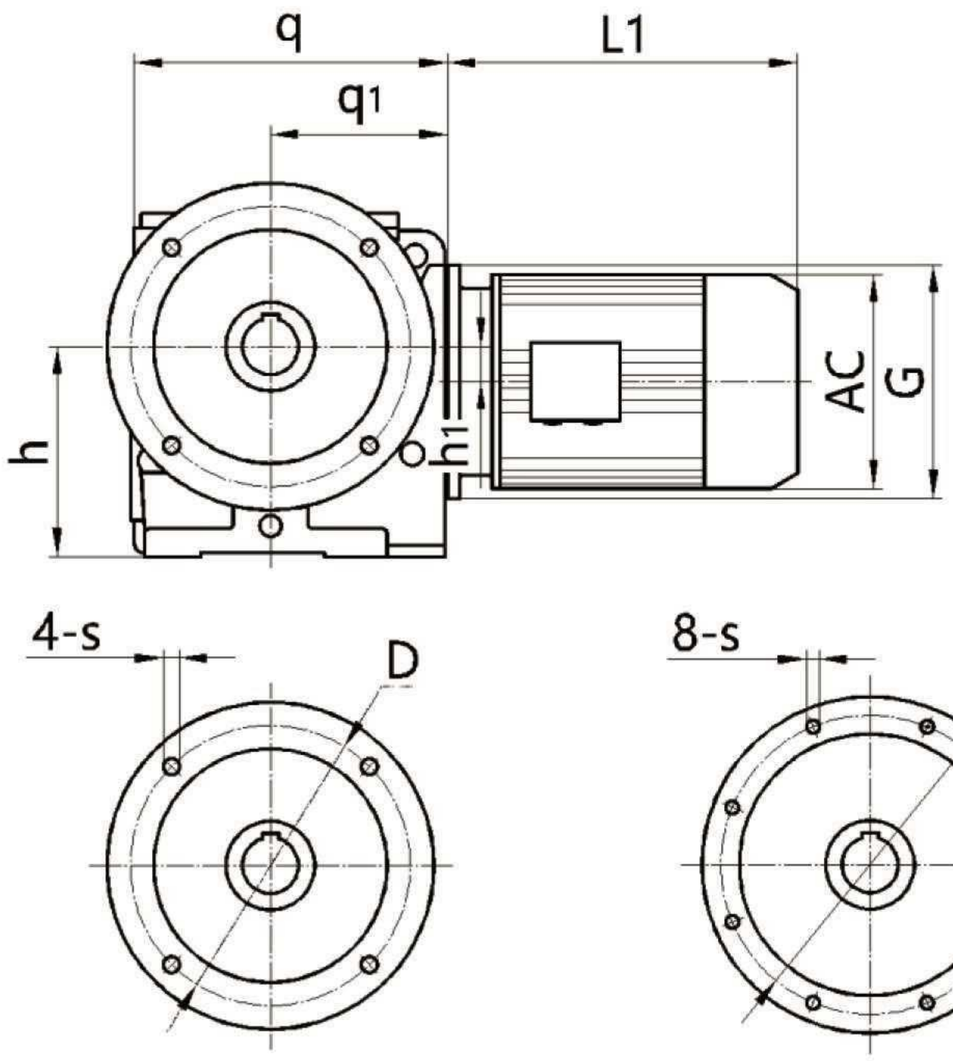
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

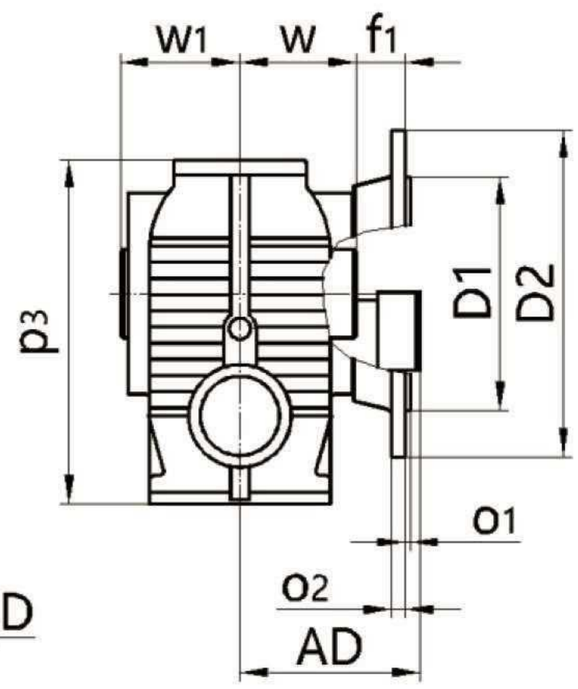
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GSAF37-97
## 安装结构尺寸

## GSAF37-97
## Mounting Dimensional Description







较大孔径（The bigger diameter of bore）




较小孔径（The smaller diameter of bore）

| 机 型 号<br>Type Size | q<br>$p_3$ | $q_1$<br>w | h<br>$f_1$ | $h_1$<br>$d_3$ | s<br>d I | D<br>u I | D1<br>t I | D2<br>dII | $o_1$<br>uII | $o_2$<br>tII | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | $M_1$<br>$M_2$ | G<br>$w_1$ | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | AC | AD | L1 |
| GSAF37 | 143<br>131 | 80<br>60 | $82_{-0.5}$<br>15 | /<br>Φ35 | Φ9/Φ6.6<br>Φ20 | Φ130/Φ100<br>6 | Φ110j6/Φ80j6<br>22.8 | Φ160/Φ120<br>/ | 3.5/3<br>/ | 10/8<br>/ | 8<br>103.7 | /<br>/ | M6×16<br>/ | Φ120<br>62.5 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GSAF47 | 175<br>181 | 96<br>60 | $100_{-0.5}$<br>24 | 8<br>Φ45 | Φ9<br>Φ30 | Φ130<br>8 | Φ110j6<br>33.3 | Φ160<br>Φ25 | 3.5<br>8 | 10<br>28.3 | 17<br>103.7 | 17<br>103.7 | M10×25<br>M10×25 | Φ120<br>63 | | | |
| GSAF57 | 191<br>191 | 107<br>75 | $112_{-0.5}$<br>25 | 20<br>Φ50 | Φ11<br>Φ35 | Φ165<br>10 | Φ130j6<br>38.3 | Φ200<br>Φ30 | 3.5<br>8 | 12<br>33.3 | 22<br>132 | 17<br>132 | M12×30<br>M10×25 | Φ120<br>78 | | | |
| GSAF67 | 246<br>238 | 135<br>84 | $140_{-0.5}$<br>42.5 | 22<br>Φ65 | Φ11<br>Φ45 | Φ165<br>14 | Φ130j6<br>48.8 | Φ200<br>Φ40 | 3.5<br>12 | 12<br>43.3 | 29<br>144 | 29<br>144 | M16×40<br>M16×40 | Φ160<br>87 | | | |
| GSAF77 | 292<br>304 | 162<br>105 | $180_{-0.5}$<br>45.5 | 34<br>Φ80 | Φ13.5<br>Φ60 | Φ215<br>18 | Φ180j6<br>64.4 | Φ250<br>Φ50 | 4<br>14 | 15<br>53.8 | 37<br>183 | 32<br>183 | M20×50<br>M16×45 | Φ200<br>108 | | | |
| GSAF87 | 344<br>372 | 190<br>125 | $225_{-0.5}$<br>52.5 | 37.5<br>Φ95 | Φ17.5<br>Φ70 | Φ300<br>20 | Φ250h6<br>74.9 | Φ350<br>Φ60 | 5<br>18 | 15<br>64.4 | 34<br>220 | 36<br>220 | M20×50<br>M20×50 | Φ250<br>128 | | | |
| GSAF97 | 425<br>460 | 240<br>145 | $280_{-1}$<br>60 | 52<br>Φ120 | Φ17.5<br>Φ90 | Φ400<br>25 | Φ350h6<br>95.4 | Φ450<br>Φ70 | 5<br>20 | 17<br>74.9 | 41<br>260 | 34<br>260 | M24×60<br>M20×50 | Φ300<br>149 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

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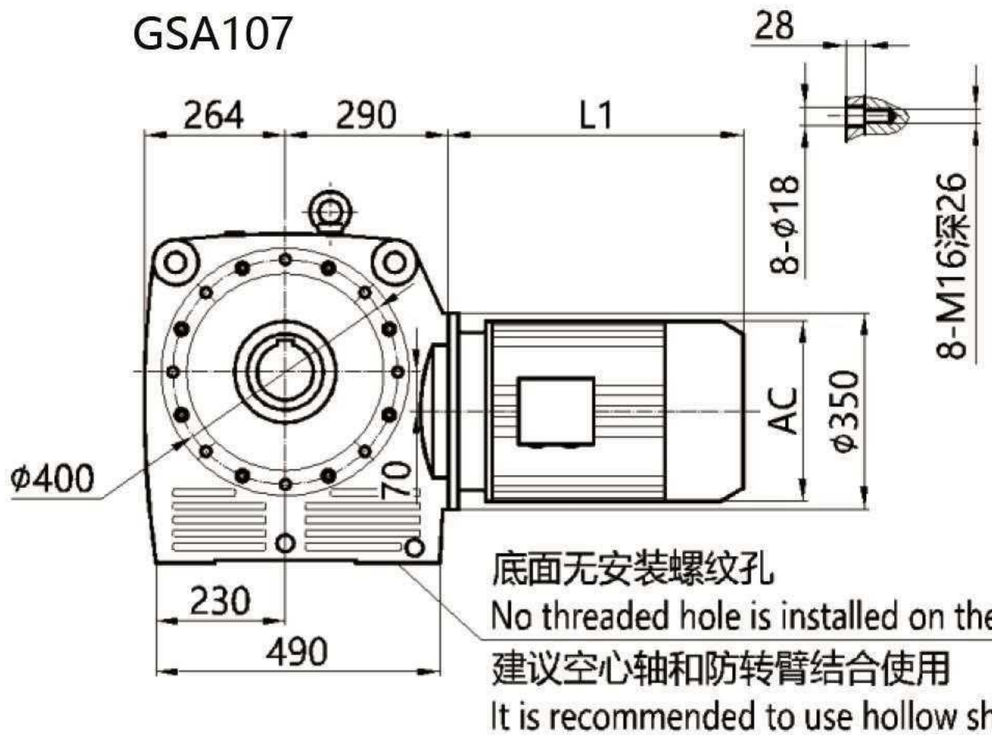
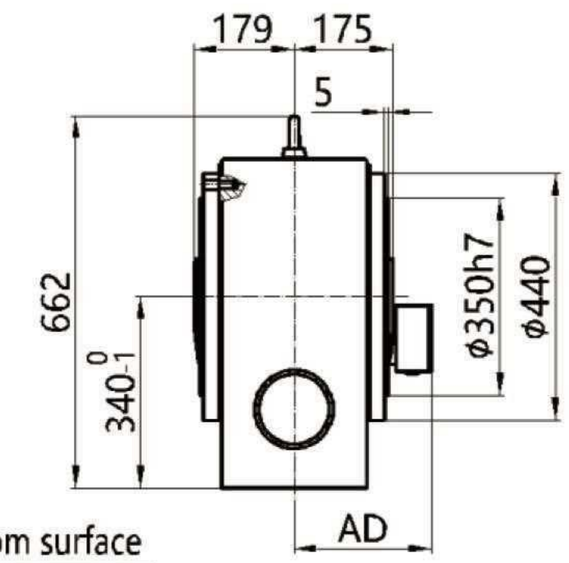
## GSA107/GSAF107
## 安装结构尺寸

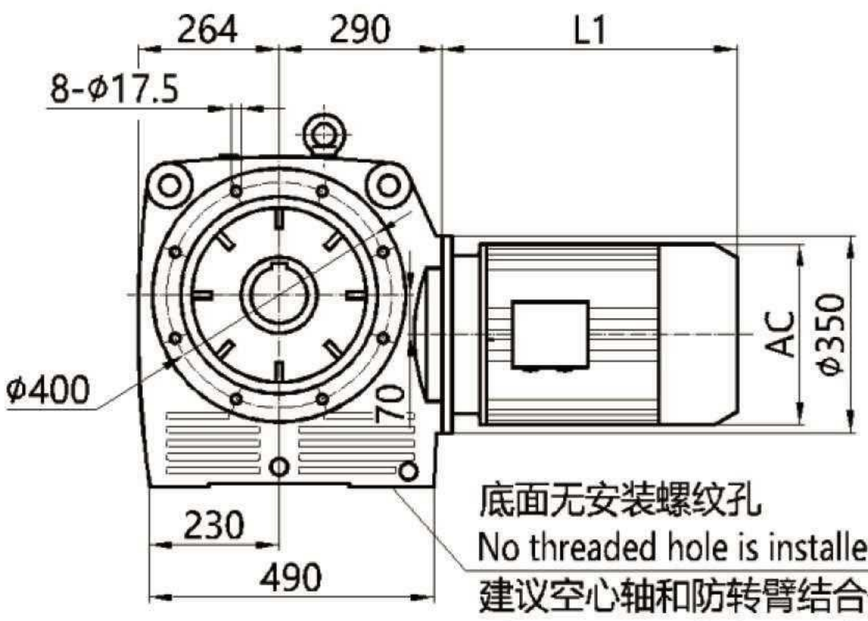
## GSA107/GSAF107
## Mounting Dimensional Description

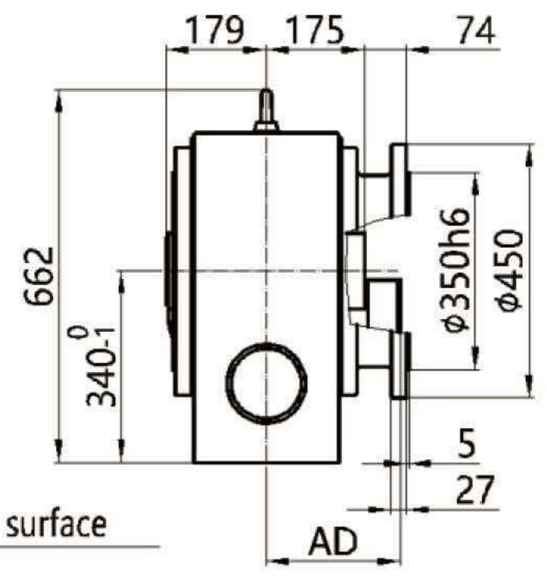
GSA107



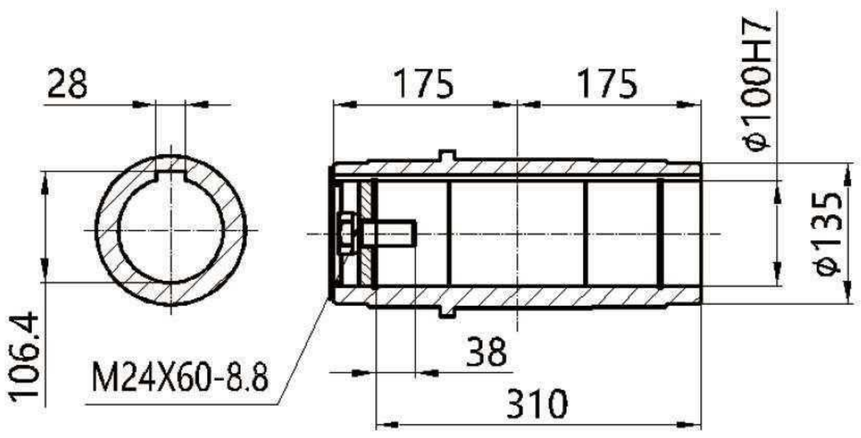




GSAF107

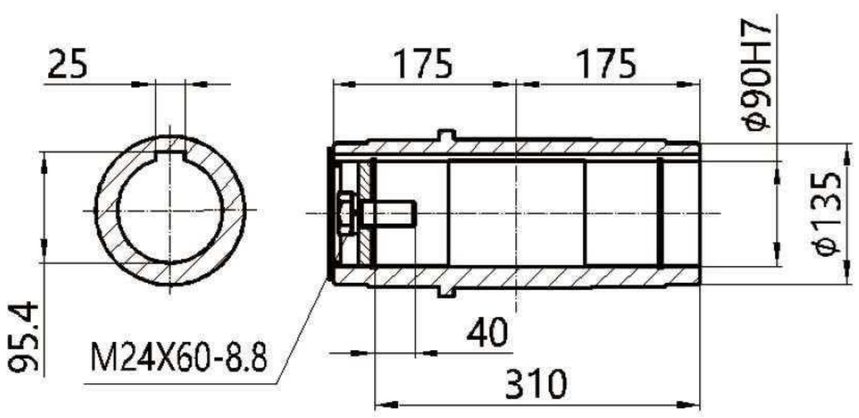



较大孔径 (The bigger diameter of bore)




较小孔径 (The smaller diameter of bore)

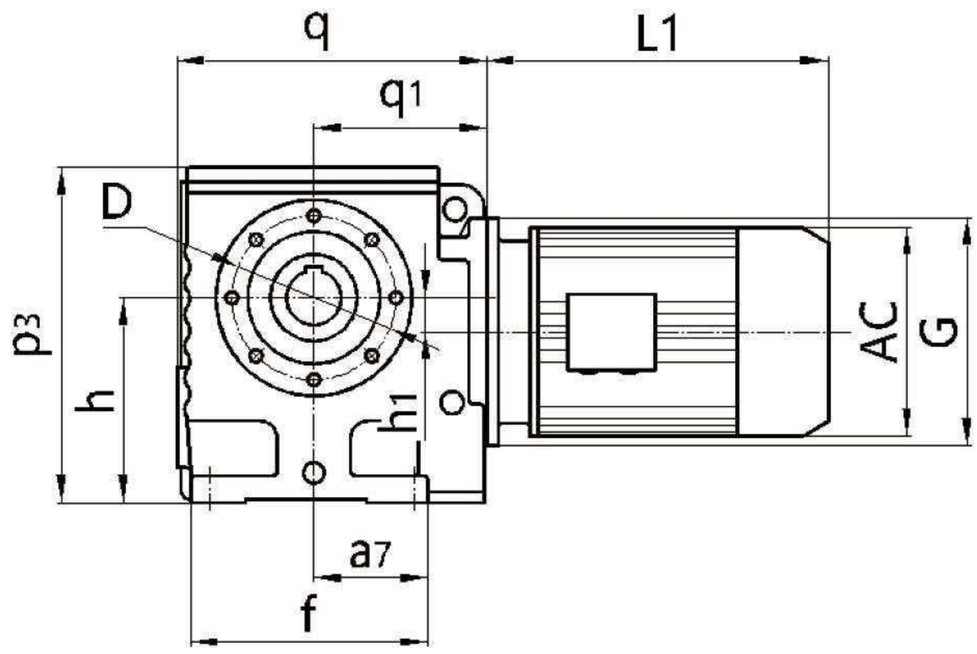


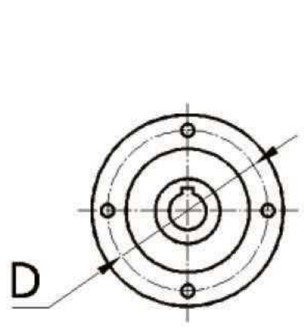

注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）
2.直联电机尺寸见附录 A-2 和 A-3

Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）
2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

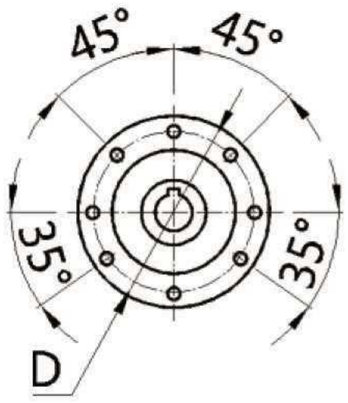
## GSAZ47-97
## 安装结构尺寸

## GSAZ47-97
## Mounting Dimensional Description

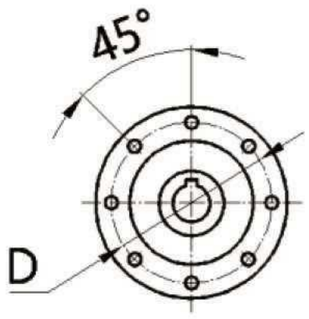



GSAZ47、GSAZ67



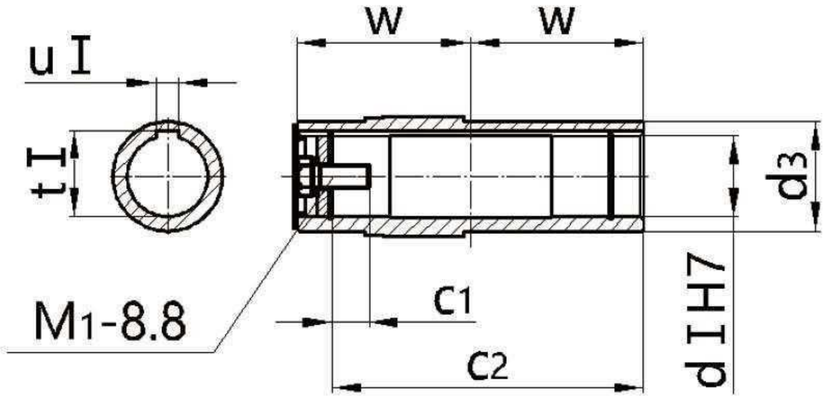

GSAZ57




GSAZ77、GSAZ87、GSAZ97

较大孔径 (The bigger diameter of bore)

较小孔径 (The smaller diameter of bore)




| 机 型 号<br>Type Size | d I<br>d II | d3<br>G | M1<br>M2 | q<br>q1 | h<br>h1 | p3<br>f | a7<br>f2 | a2<br>f1 | a3<br>a1 | a4<br>D | D1<br>D2 | w<br>w1 | t I<br>u I | t II<br>u II | c1<br>c2 | c3<br>c4 | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSAZ47 | Φ30<br>Φ25 | Φ45<br>Φ120 | M10×25<br>M10×25 | 175<br>96 | 100-0.5<br>8 | 181<br>127 | 67<br>3 | M8<br>8.5 | 14<br>Φ9 | 11<br>Φ115 | Φ95j6<br>Φ130 | 60<br>63 | 33.3<br>8 | 28.3<br>8 | 17<br>103.7 | 17<br>103.7 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GSAZ57 | Φ35<br>Φ30 | Φ50<br>Φ120 | M12×30<br>M10×25 | 191<br>107 | 112-0.5<br>20 | 191<br>146 | 73<br>3 | M8<br>8 | 15<br>Φ9 | 11<br>Φ102 | Φ80j6<br>Φ120 | 75<br>78 | 38.3<br>10 | 33.3<br>8 | 22<br>132 | 17<br>132 | | | |
| GSAZ67 | Φ45<br>Φ40 | Φ65<br>Φ160 | M16×40<br>M16×40 | 246<br>135 | 140-0.5<br>22 | 238<br>182 | 95.5<br>3.5 | M12<br>9.5 | 20<br>Φ13 | 13<br>Φ130 | Φ105j6<br>Φ155 | 84<br>87 | 48.8<br>14 | 43.3<br>12 | 29<br>144 | 29<br>144 | | | |
| GSAZ77 | Φ60<br>Φ50 | Φ80<br>Φ200 | M20×50<br>M16×45 | 292<br>162 | 180-0.5<br>34 | 304<br>204 | 104<br>4 | /<br>14.5 | /<br>M12 | 18.5<br>Φ155 | Φ125j6<br>Φ178 | 105<br>108 | 64.4<br>18 | 53.8<br>14 | 37<br>183 | 32<br>183 | | | |
| GSAZ87 | Φ70<br>Φ60 | Φ95<br>Φ250 | M20×50<br>M20×50 | 344<br>190 | 225-0.5<br>37.5 | 372<br>260 | 125<br>5 | /<br>18.5 | /<br>M16 | 23.5<br>Φ180 | Φ150j6<br>Φ215 | 125<br>128 | 74.9<br>20 | 64.4<br>18 | 34<br>220 | 36<br>220 | | | |
| GSAZ97 | Φ90<br>Φ70 | Φ120<br>Φ300 | M24×60<br>M20×50 | 425<br>240 | 280-1.0<br>52 | 460<br>301 | 140<br>5 | /<br>18.5 | /<br>M16 | 23.5<br>Φ220 | Φ180j6<br>Φ260 | 145<br>149 | 95.4<br>25 | 74.9<br>20 | 41<br>260 | 34<br>260 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

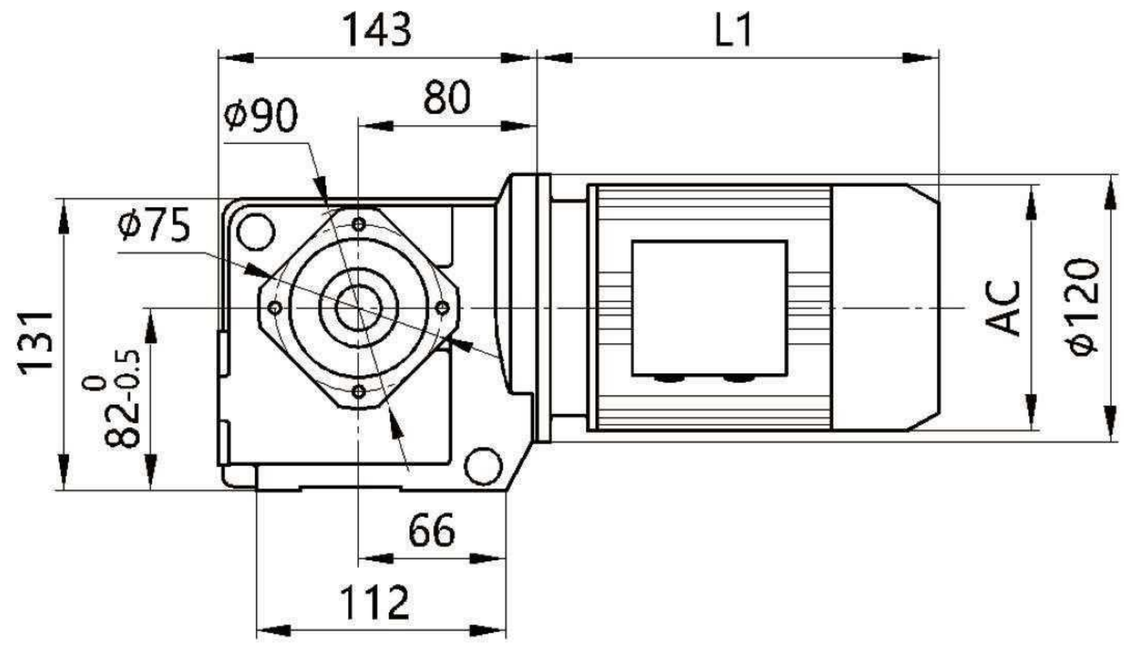
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

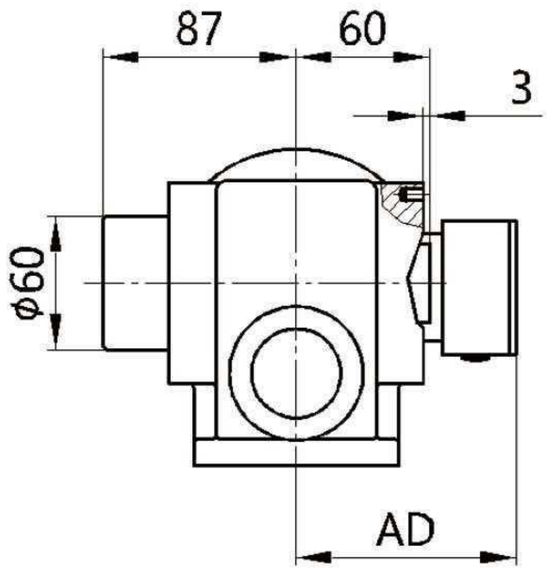
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

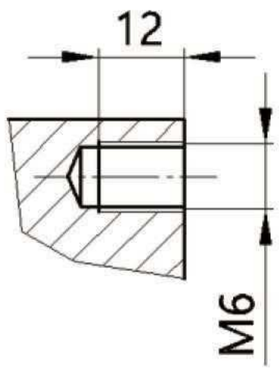
S

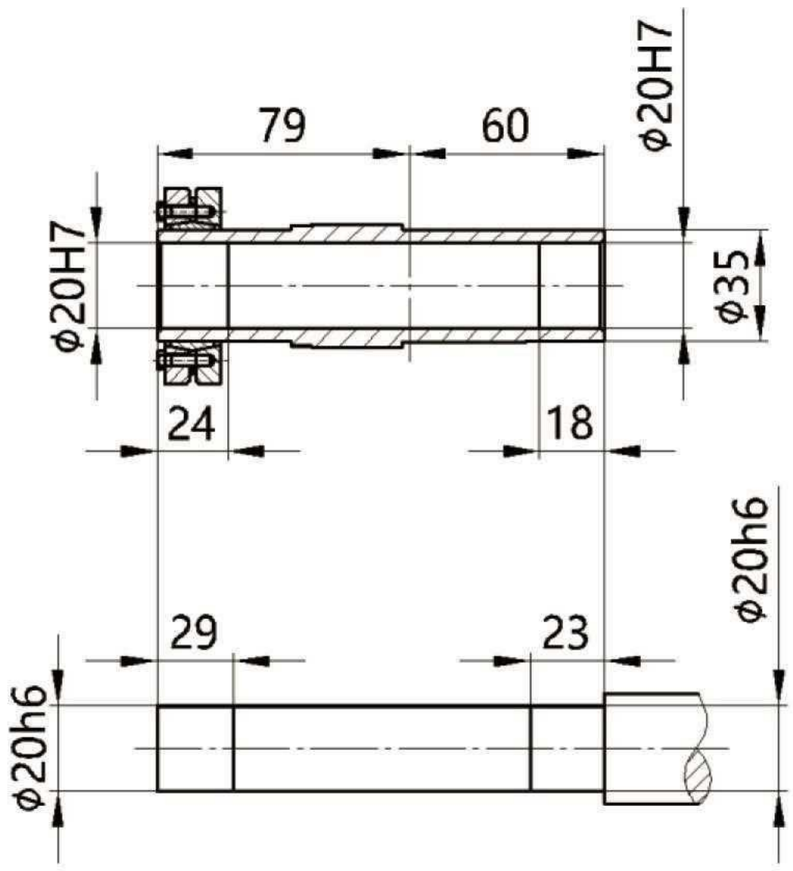
## GSH37
## 安装结构尺寸

## GSH37
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

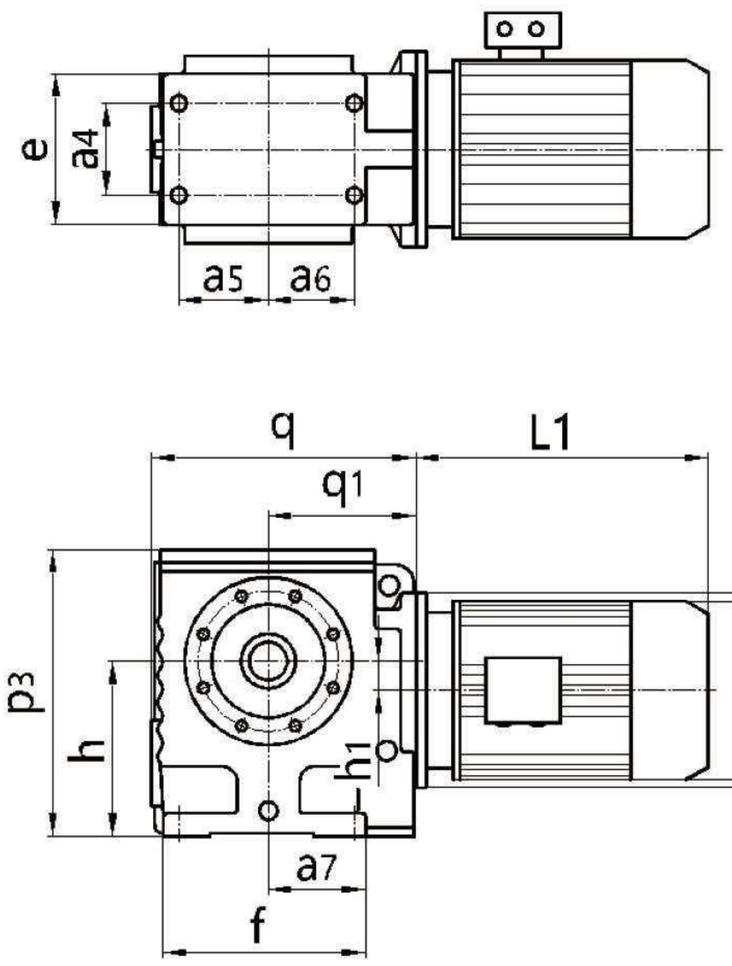
2.直联电机尺寸见附录 A-2 和 A-3

Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

## GSH47-97
## 安装结构尺寸

## GSH47-97
## Mounting Dimensional Description




GSH47、GSH67

GSH57

GSH77、GSH87、GSH77

| 机 型 号<br>Type Size | q<br>$q_1$ | e<br>$a_4$ | $a_6$<br>$a_5$ | $p_3$<br>$a_7$ | h<br>$h_1$ | f<br>$f_1$ | w<br>$w_1$ | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | D<br>D1 | d<br>$d_1$ | $d_2$<br>$d_3$ | s<br>$s_1$ | $l_3$<br>$l_4$ | $w_2$<br>G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | AC | AD | L1 |
| GSH47 | 175<br>96 | 94<br>60 | 52<br>35 | 181<br>67 | $100_{-0.5}$<br>8 | 127<br>2.5 | 60<br>95 | 31<br>20 | 36<br>25 | Φ115<br>Φ130 | Φ80<br>Φ30H7 | Φ45<br>Φ30h6 | M10<br>M8 | 20<br>14 | 86<br>Φ120 | 见附录 A-2 和 A-3<br>Please see appendix A-2 and A-3 | | |
| GSH57 | 191<br>107 | 100<br>60 | 58.5<br>58.5 | 191<br>73 | $112_{-0.5}$<br>20 | 146<br>3 | 75<br>110 | 32<br>20 | 37<br>25 | Φ102<br>Φ120 | Φ88<br>Φ35H7 | Φ50<br>Φ35h6 | M10<br>M8 | 20<br>15 | 102<br>Φ120 | | | |
| GSH67 | 246<br>135 | 130<br>88 | 80.5<br>71.5 | 238<br>95.5 | $140_{-0.5}$<br>22 | 182<br>3.5 | 84<br>120 | 38<br>20 | 43<br>25 | Φ130<br>Φ155 | Φ102<br>Φ40H7 | Φ65<br>Φ40h6 | M12<br>M12 | 25<br>20 | 112<br>Φ160 | | | |
| GSH77 | 292<br>162 | 156<br>102 | 85<br>85 | 304<br>104 | $180_{-0.5}$<br>34 | 204<br>4 | 105<br>146 | 36<br>30 | 41<br>35 | Φ155<br>Φ178 | Φ127<br>Φ50H7 | Φ80<br>Φ50h6 | M16<br>M12 | 32<br>21 | 136<br>Φ200 | | | |
| GSH87 | 344<br>190 | 194<br>118 | 110<br>115 | 372<br>125 | $225_{-0.5}$<br>37.5 | 260<br>5 | 125<br>176 | 40<br>40 | 45<br>45 | Φ180<br>Φ215 | Φ157<br>Φ65H7 | Φ95<br>Φ65h6 | M16<br>M16 | 32<br>28 | 165<br>Φ250 | | | |
| GSH97 | 425<br>240 | 236<br>160 | 113<br>135 | 460<br>140 | $280_{-1}$<br>52 | 301<br>5 | 145<br>204 | 55<br>50 | 60<br>55 | Φ220<br>Φ260 | Φ171<br>Φ75H7 | Φ120<br>Φ75h6 | M20<br>M16 | 37<br>28 | 190<br>Φ300 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

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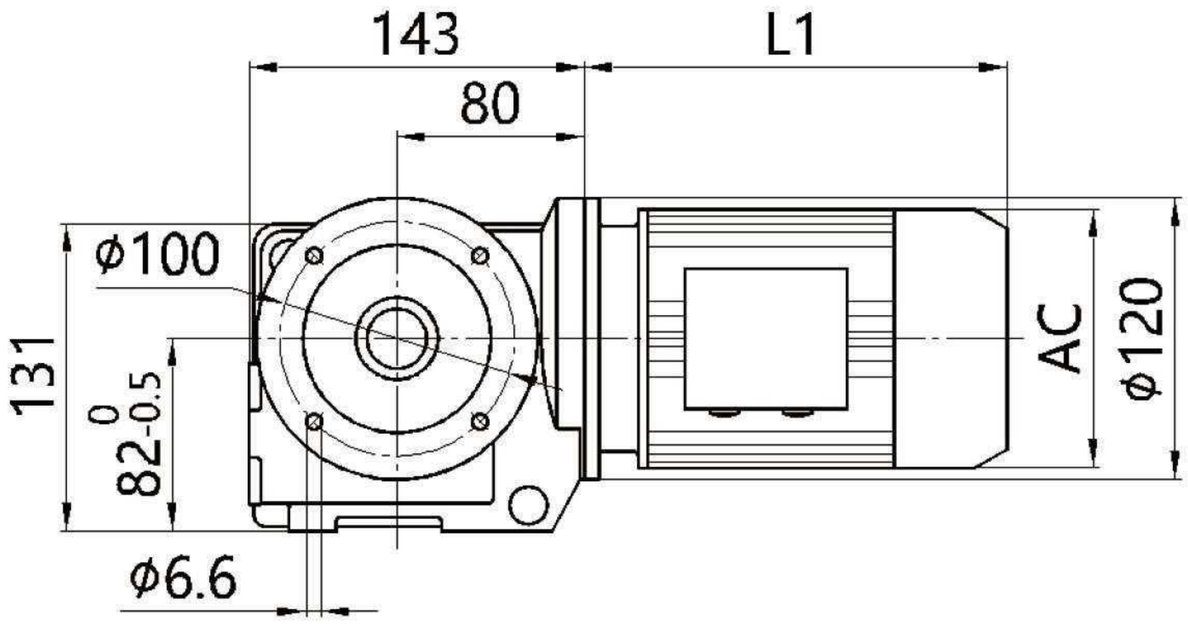
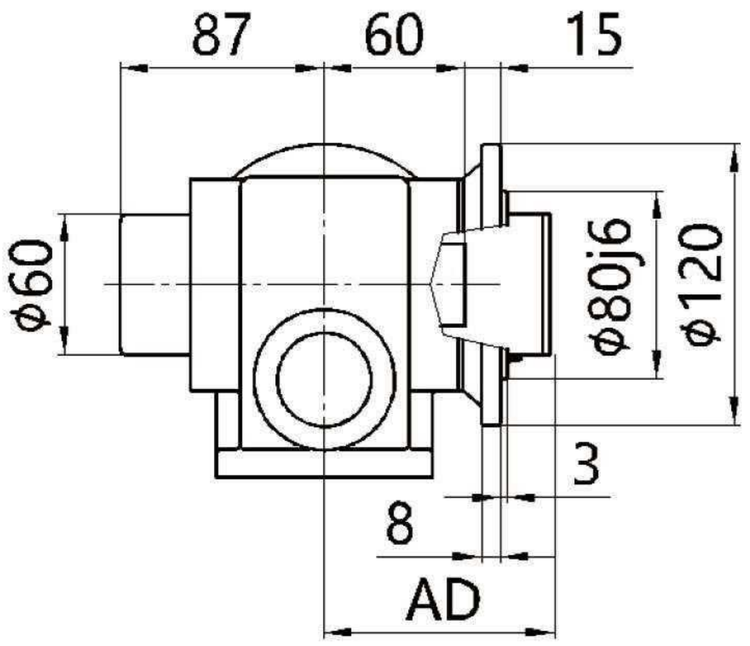
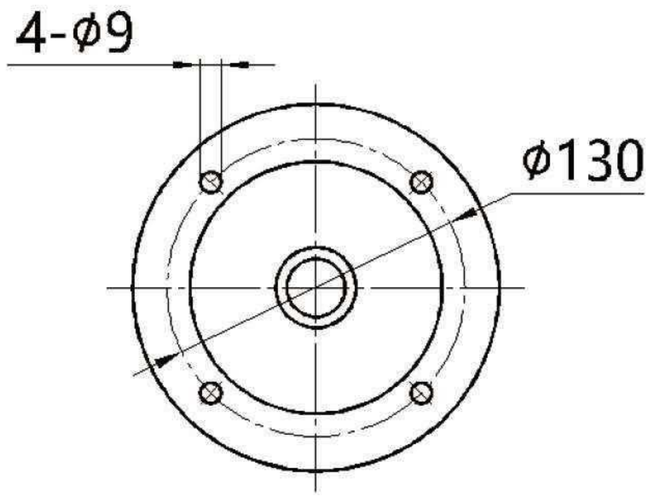
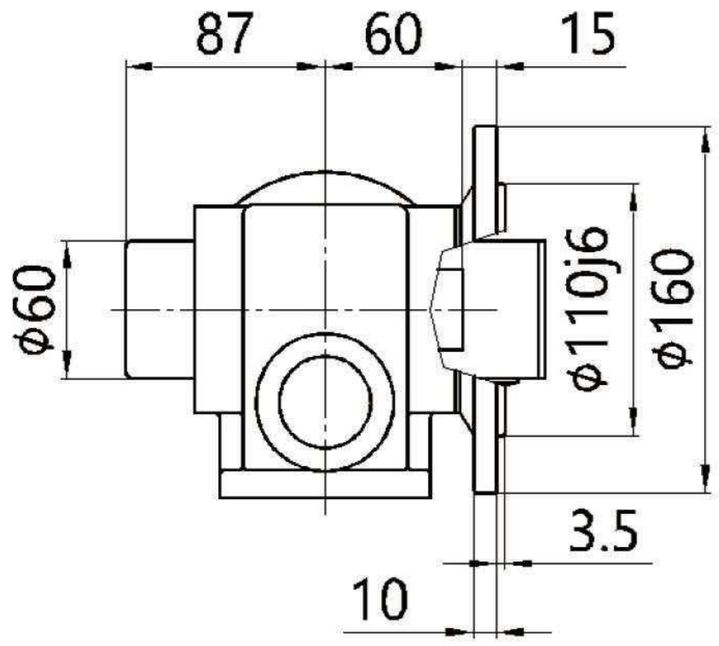
## GSHF37
## 安装结构尺寸

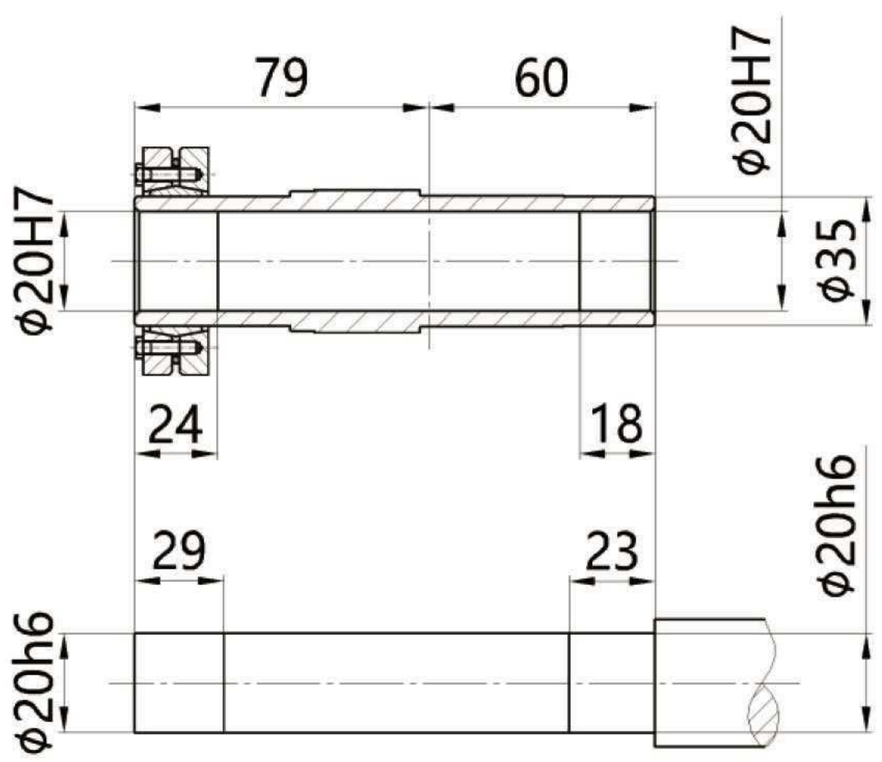
## GSHF37
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

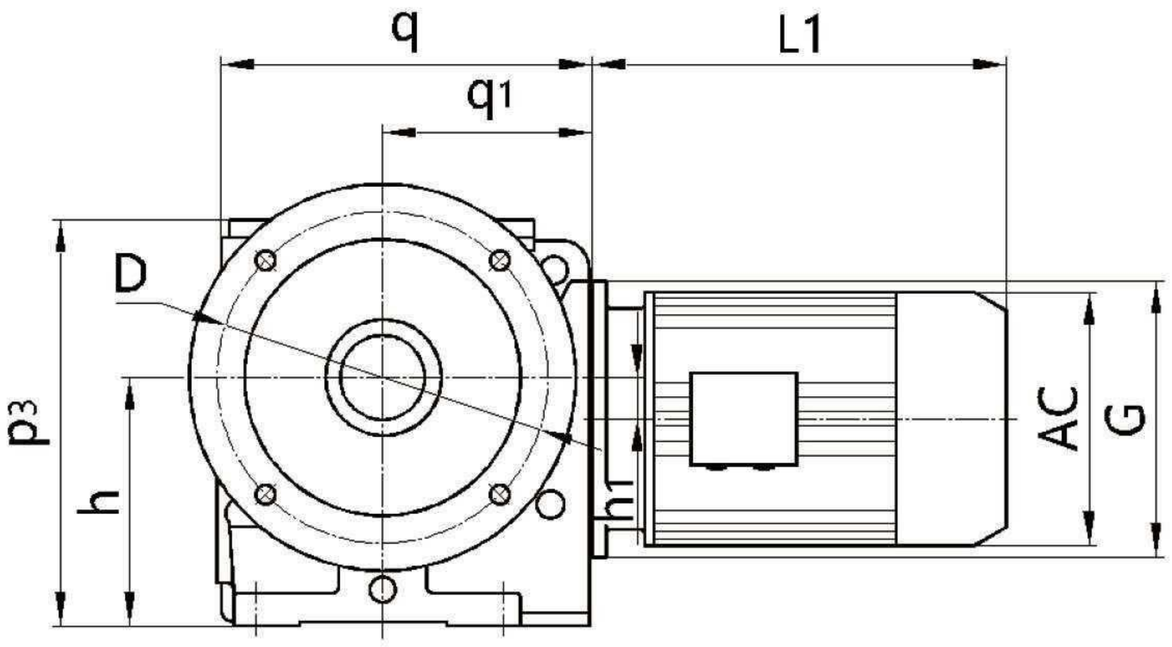
2.直联电机尺寸见附录 A-2 和 A-3

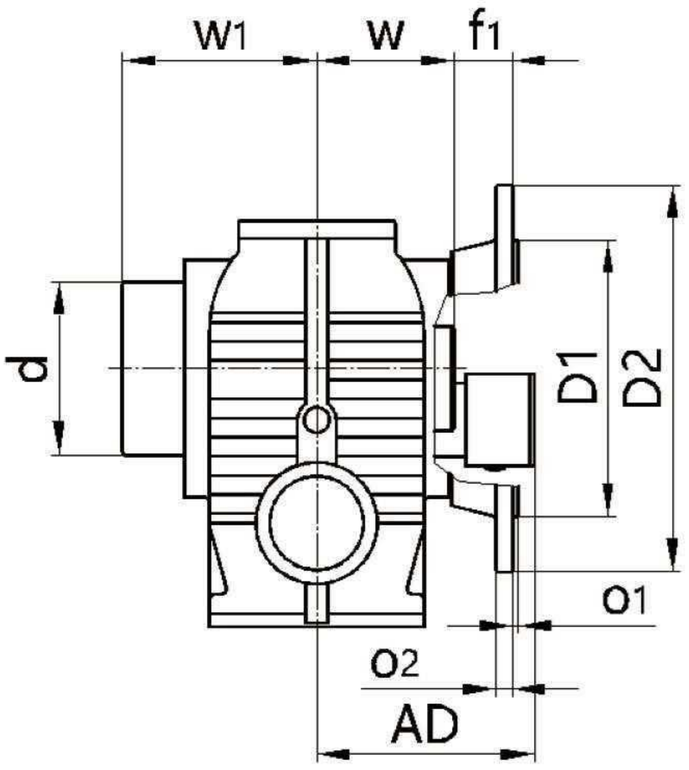
Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

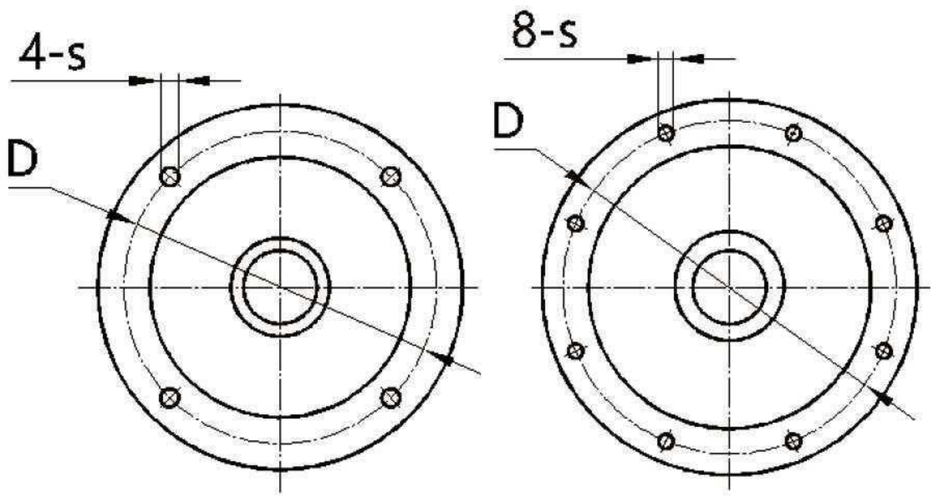
2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

## GSHF47-97
## 安装结构尺寸

## GSHF47-97
## Mounting Dimensional Description



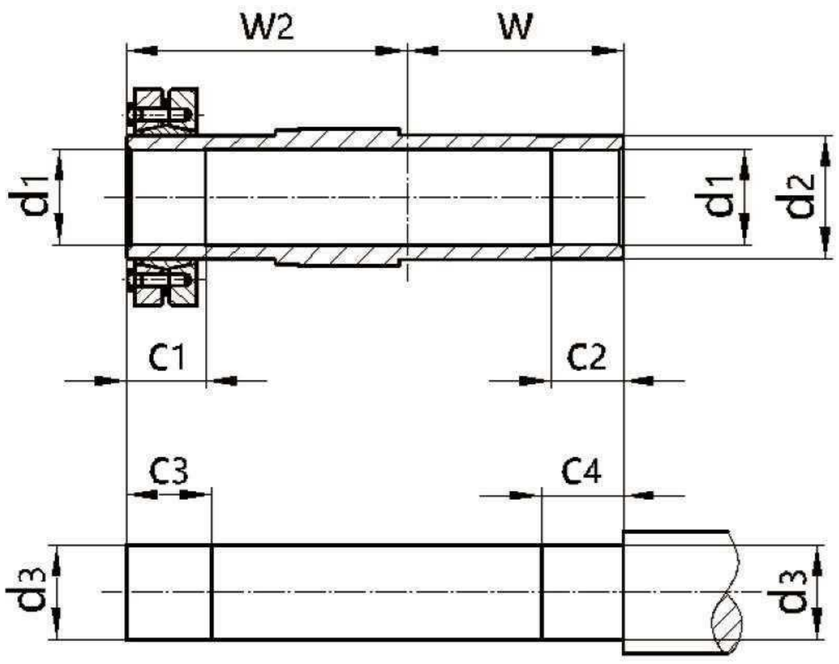




GSHF47-87




GSHF97




| 机 型 号<br>Type Size | q<br>$q_1$ | h<br>$h_1$ | s<br>D | $o_2$<br>$o_1$ | D2<br>D1 | w<br>$w_1$ | $w_2$<br>$c_1$ | $c_2$<br>$f_1$ | $c_3$<br>$c_4$ | d<br>$d_1$ | $d_2$<br>$d_3$ | $p_3$<br>G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GSHF47 | 175<br>96 | $100_{-0.5}$<br>8 | Φ9<br>Φ130 | 10<br>3.5 | Φ160<br>Φ110j6 | 60<br>95 | 86<br>31 | 20<br>24 | 36<br>25 | Φ80<br>Φ30H7 | Φ45<br>Φ30h6 | 181<br>Φ120 | 见附录<br>A-2 和 A-3<br>Please see appendix A-2 and A-3 | | |
| GSHF57 | 191<br>107 | $112_{-0.5}$<br>20 | Φ11<br>Φ165 | 12<br>3.5 | Φ200<br>Φ130j6 | 75<br>110 | 102<br>32 | 20<br>25 | 37<br>25 | Φ88<br>Φ35H7 | Φ50<br>Φ35h6 | 191<br>Φ120 | | | |
| GSHF67 | 246<br>135 | $140_{-0.5}$<br>22 | Φ11<br>Φ165 | 12<br>3.5 | Φ200<br>Φ130j6 | 84<br>120 | 112<br>38 | 20<br>42.5 | 43<br>25 | Φ102<br>Φ40H7 | Φ65<br>Φ40h6 | 238<br>Φ160 | | | |
| GSHF77 | 292<br>162 | $180_{-0.5}$<br>34 | Φ13.5<br>Φ215 | 15<br>4 | Φ250<br>Φ180j6 | 105<br>146 | 136<br>36 | 30<br>45.5 | 41<br>35 | Φ127<br>Φ50H7 | Φ80<br>Φ50h6 | 304<br>Φ200 | | | |
| GSHF87 | 344<br>190 | $225_{-0.5}$<br>37.5 | Φ17.5<br>Φ300 | 15<br>5 | Φ350<br>Φ250h6 | 125<br>176 | 165<br>40 | 40<br>52.5 | 45<br>45 | Φ157<br>Φ65H7 | Φ95<br>Φ65h6 | 372<br>Φ250 | | | |
| GSHF97 | 425<br>240 | $280_{-1.0}$<br>52 | Φ17.5<br>Φ400 | 17<br>5 | Φ450<br>Φ350h6 | 145<br>204 | 190<br>55 | 50<br>60 | 60<br>55 | Φ171<br>Φ75H7 | Φ120<br>Φ75h6 | 460<br>Φ300 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

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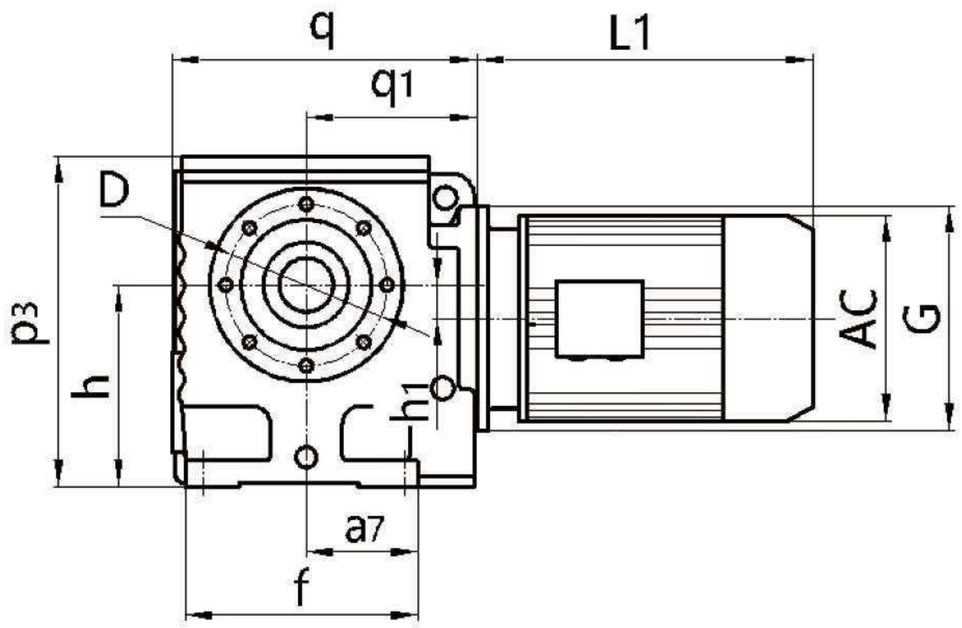
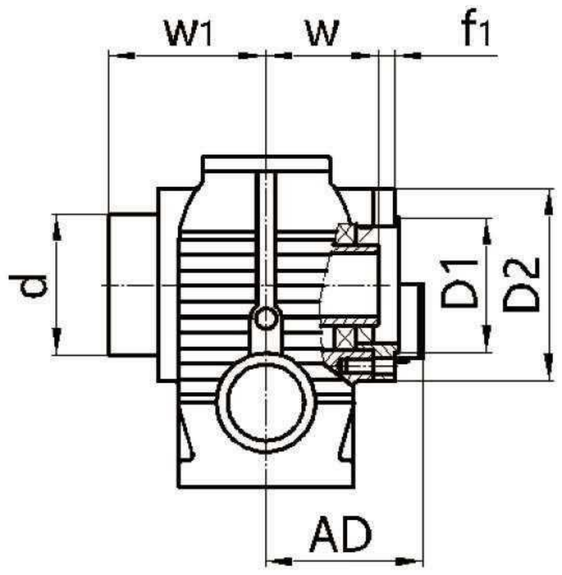
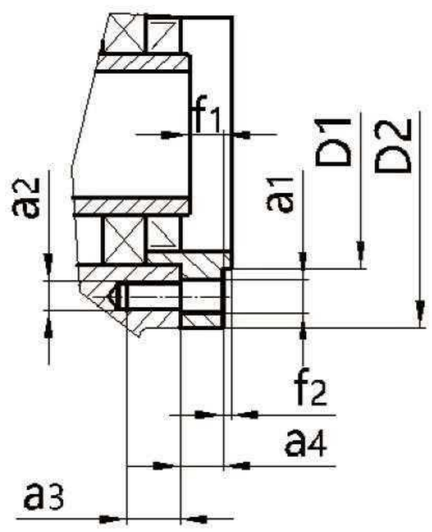
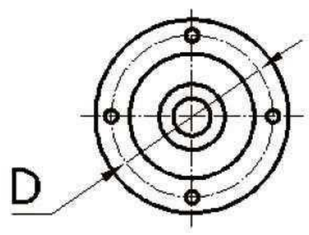
## GSHZ47-97
## 安装结构尺寸

## GSHZ47-97
## Mounting Dimensional Description

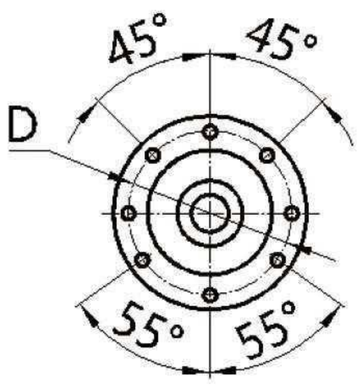


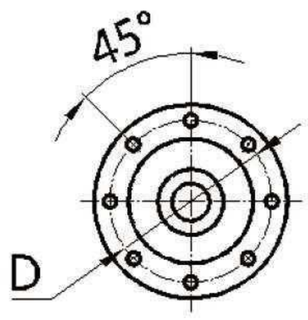



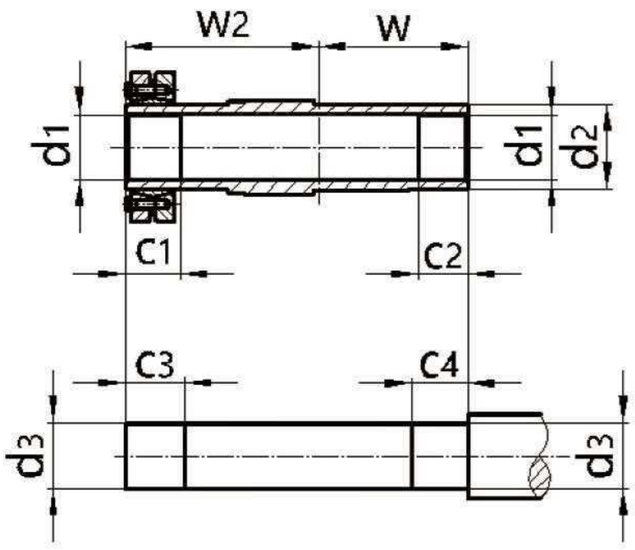

GSHZ47、GSHZ67




GSHZ57




GSHZ77、GSHZ87、GSHZ97




| 机 型 号<br>Type Size | d<br>$d_1$ | $d_3$<br>$d_2$ | q<br>$q_1$ | h<br>$h_1$ | $p_3$<br>f | $a_7$<br>$f_2$ | $a_2$<br>$f_1$ | $a_3$<br>$a_1$ | $a_4$<br>D | D1<br>D2 | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | w<br>$w_1$ | $w_2$<br>G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | AC | AD | L1 |
| GSHZ47 | Φ80<br>Φ30H7 | Φ30h6<br>Φ45 | 175<br>96 | $100_{-0.5}$<br>8 | 181<br>127 | 67<br>3 | M8<br>8.5 | 14<br>Φ9 | 11<br>Φ115 | Φ95j6<br>Φ130 | 31<br>20 | 36<br>25 | 60<br>95 | 86<br>Φ120 | 见附录 A-2 和 A-3<br>Please see appendix A-2 and A-3 | | |
| GSHZ57 | Φ88<br>Φ35H7 | Φ35h6<br>Φ50 | 191<br>107 | $112_{-0.5}$<br>20 | 191<br>146 | 73<br>3 | M8<br>8 | 15<br>Φ9 | 11<br>Φ102 | Φ80j6<br>Φ120 | 32<br>20 | 37<br>25 | 75<br>110 | 102<br>Φ120 | | | |
| GSHZ67 | Φ102<br>Φ40H7 | Φ40h6<br>Φ65 | 246<br>135 | $140_{-0.5}$<br>22 | 238<br>182 | 95.5<br>3.5 | M12<br>9.5 | 20<br>Φ13 | 13<br>Φ130 | Φ105j6<br>Φ155 | 38<br>20 | 43<br>25 | 84<br>120 | 112<br>Φ160 | | | |
| GSHZ77 | Φ127<br>Φ50H7 | Φ50h6<br>Φ80 | 292<br>162 | $180_{-0.5}$<br>34 | 304<br>204 | 104<br>4 | /<br>14.5 | /<br>M12 | 18.5<br>Φ155 | Φ125j6<br>Φ178 | 36<br>30 | 41<br>35 | 105<br>146 | 136<br>Φ200 | | | |
| GSHZ87 | Φ157<br>Φ65H7 | Φ65h6<br>Φ95 | 344<br>190 | $225_{-0.5}$<br>37.5 | 372<br>260 | 125<br>5 | /<br>18.5 | /<br>M16 | 23.5<br>Φ180 | Φ150j6<br>Φ215 | 40<br>40 | 45<br>45 | 125<br>176 | 165<br>Φ250 | | | |
| GSHZ97 | Φ171<br>Φ75H7 | Φ75h6<br>Φ120 | 425<br>240 | $280_{-1.0}$<br>52 | 460<br>301 | 140<br>5 | /<br>18.5 | /<br>M16 | 23.5<br>Φ220 | Φ180j6<br>Φ260 | 55<br>50 | 60<br>55 | 145<br>204 | 190<br>Φ300 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

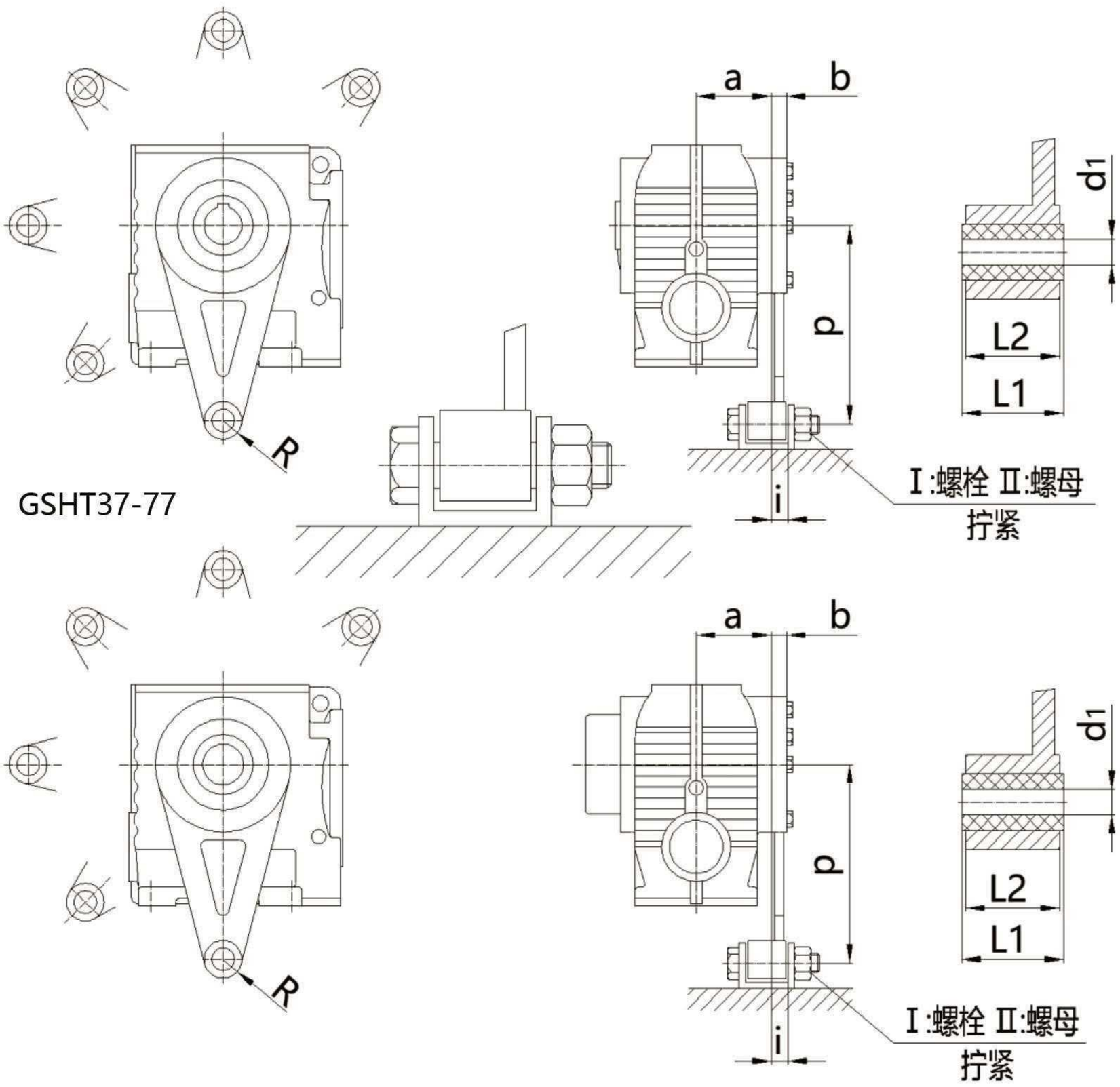
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GSAT37-107 (GSHT37-97)
## 安装结构尺寸

## GSAT37-107 (GSHT37-97)
## Mounting Dimensional Description

GSAT37-107




GSHT37-77

| 机型号<br>Type Size | a | b | i | p | R | $d_1$ | $L1_{-0.3}^{0}$ | L2 |
|---|---|---|---|---|---|---|---|---|
| **GSAT37/GSHT37** | 57 | 10 | 26 | 110 | 21 | $10.4_{-0.1}^{+0.1}$ | 36 | 31 |
| **GSAT47/GSHT47** | 57.5 | 15 | 20.5 | 130 | 21 | $10.4_{-0.1}^{+0.1}$ | 36 | 31 |
| **GSAT57/GSHT57** | 72 | 15 | 18.5 | 160 | 21 | $10.4_{-0.1}^{+0.1}$ | 36 | 31 |
| **GSAT67/GSHT67** | 80.5 | 18 | 19.5 | 200 | 21 | $10.4_{-0.1}^{+0.1}$ | 36 | 31 |
| **GSAT77/GSHT77** | 101 | 18 | 32.5 | 250 | 30 | $16.4_{-0.08}^{+0.08}$ | 60 | 54 |
| **GSAT87/GSHT87** | 120 | 24 | 25.5 | 310 | 30 | $16.4_{-0.08}^{+0.08}$ | 60 | 54 |
| **GSAT97/GSHT97** | 140 | 26 | 33 | 380 | 40 | $25_{-0.08}^{+0.08}$ | 80 | 72 |
| **GSAT107** | 162 | 24 | 49 | 430 | 40 | $25_{-0.08}^{+0.08}$ | 80 | 74 |

其它尺寸请按照 GSA/GSH 型。

注： 1. Ⅰ： 螺栓 Ⅱ： 螺母，均用户自配。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

For other dimensions，see the type GSA/GSH.

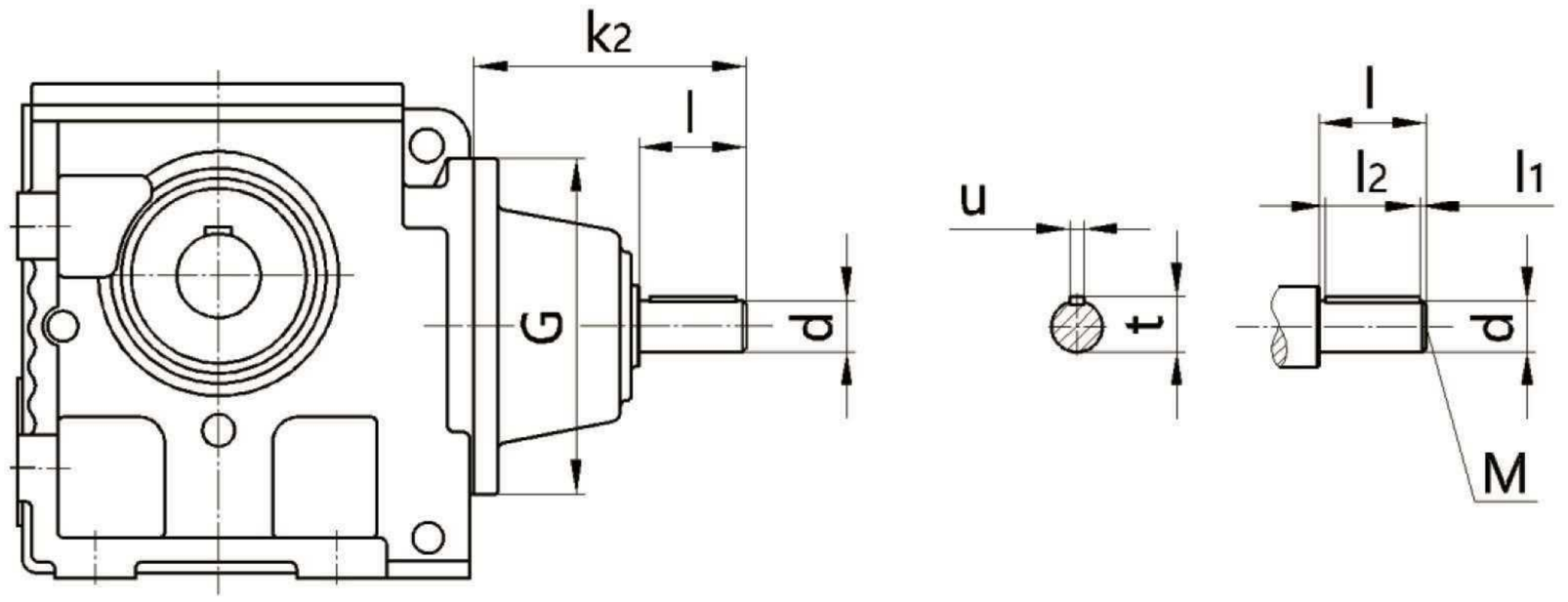
Note: 1.Bolts Ⅰ and nuts Ⅱ are prepared by customers.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

S

## GS..37-107AD1-6
## 安装结构尺寸

## GS..37-107AD1-6
## Mounting Dimensional Description




| 机 型 号<br>Type Size | 规格<br>Specification | 适用功率范围(kW)/4P<br>Range Power | d | G | k2 | l | M | l1 | l2 | t | u |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GS..37/47/57 | AD1 | 0.12-0.18 | 16k6 | Φ120 | 130 | 40 | M5 | 4 | 32 | 18 | 5 |
| | AD2 | 0.25-3 | 19k6 | Φ120 | 130 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| GS..67 | AD2 | 0.25-1.5 | 19k6 | Φ160 | 149 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-5.5 | 24k6 | Φ160 | 159 | 50 | M8 | 5 | 40 | 27 | 8 |
| GS..77 | AD2 | 0.25-1.5 | 19k6 | Φ200 | 184 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 24k6 | Φ200 | 194 | 50 | M8 | 5 | 40 | 27 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ200 | 224 | 80 | M12 | 5 | 70 | 41 | 10 |
| GS..87 | AD2 | 0.75-1.5 | 19k6 | Φ250 | 136 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 28k6 | Φ250 | 156 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ250 | 262 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-15 | 42k6 | Φ250 | 292 | 110 | M16 | 10 | 70 | 45 | 12 |
| GS..97 | AD3 | 1.5-4 | 28k6 | Φ300 | 194 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ300 | 214 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ300 | 327 | 110 | M16 | 10 | 70 | 45 | 12 |
| GS..107 | AD3 | 2.2-4 | 28k6 | Φ350 | 188 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ350 | 208 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ350 | 321 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30 | 48k6 | Φ350 | 321 | 110 | M16 | 10 | 80 | 51.5 | 14 |

其它尺寸请参照 GS 型。

注： 1. GSA/GSAF/GSF/GSAZ/GSH/GSHF/GSHZ 均可采用双轴型，并分别记为 GSA..AD..、GSAF..AD..、GSF..AD..、GSAZ..AD..、GSH..AD..、GSHF..AD..和 GSHZ..AD..。

2.通过联轴器联接，可直接参考上表功率范围；若电机和减速机之间是通过其他极数电机、齿轮、链轮、皮带轮等传动方式联接，需客户自行转换。

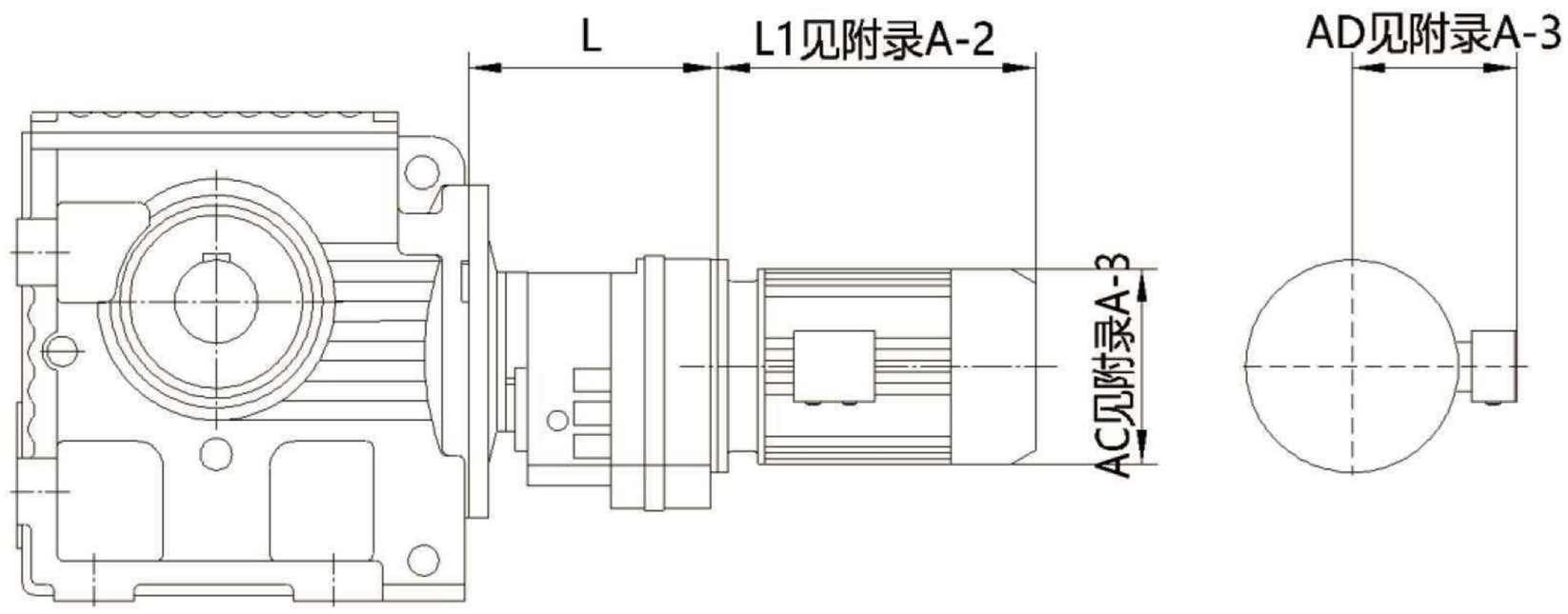
For other dimensions，see the type GS.

Note: 1. Double shafts type is also available for type GSA/GSAF/GSF/GSAZ/GSH/GSHF/GSHZ, and these double shafts types are respectively named type GSA..AD..、GSAF..AD..、GSF..AD..、GSAZ..AD..、GSH..AD..、GSHF..AD..and GSHZ..AD..

2. Applicable power refers to the input torque of 4 pole motor. If the connect way is coupling, can see the power range on the table directly, if the connect way is other pole motor, sprocket, belt pulley, need customers to convert by themselves.

**GS..R..**
**安装结构尺寸**

**GS..R..**
**Mounting Dimensional Description**




| 机型号<br>Type Size | 机座号<br>Frame Size | L |
|---|---|---|
| GS..37R17 | 63 | 135 |
| | 71 | |
| | 80 | |
| GS..47R17<br>GS..57R17 | 63 | 135 |
| | 71 | |
| | 80 | |
| GS..67R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| GS..77R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| | 90 | |
| GS..87R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| GS..97R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| GS..107R77 | 63 | 251 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |

注： 1.GSA/GSAF/GSF/GSAZ/GSH/GSHF/GSHZ 均可采用串联组合机型。
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.Combined type is also available for type GSA/GSAF/GSF/GSAZ/GSH/GSHF/GSHZ.
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

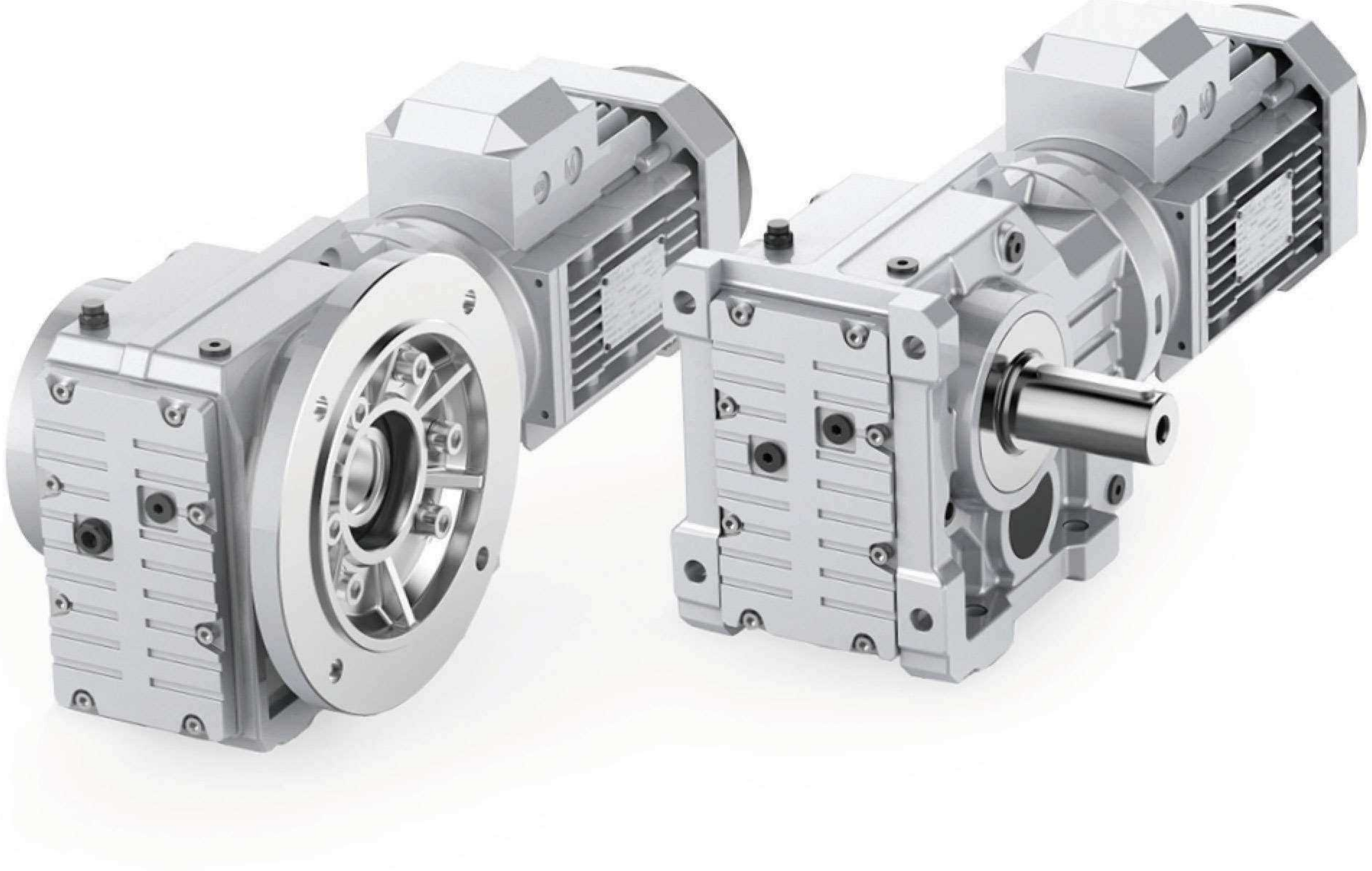
# GK
# SERIES

K

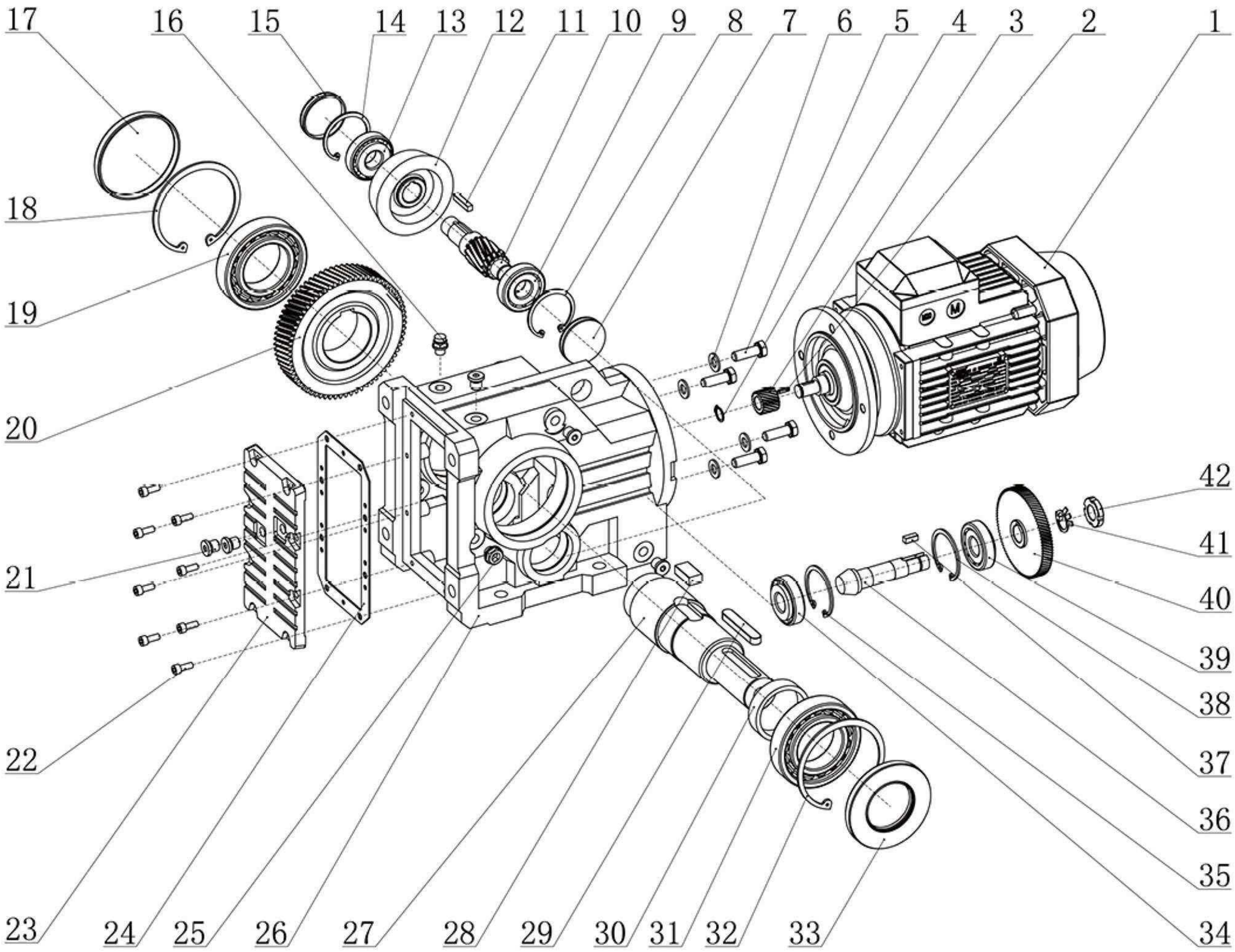
★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。



K




# K系列爆炸图

| | | | |
|---|---|---|---|
| 1.电机 | 12.锥齿轮 | 23.箱盖 | 34.轴承 |
| 2.平键 | 13.轴承 | 24.密封垫 | 35.孔用卡环 |
| 3.齿轮 | 14.孔用挡圈 | 25.油镜 | 36.锥齿轴 |
| 4.轴用挡圈 | 15.平面油封 | 26.箱体 | 37.平键 |
| 5.螺栓 | 16.通气帽 | 27.输出轴 | 38.孔用挡圈 |
| 6.平垫圈 | 17.平面油封 | 28.平键 | 39.轴承 |
| 7.平面油封 | 18.孔用挡圈 | 29.平键 | 40.齿轮 |
| 8.孔用挡圈 | 19.轴承 | 30.轴套 | 41.止动圈 |
| 9.轴承 | 20.齿轮 | 31.轴承 | 42.圆螺母 |
| 10.齿轴 | 21.螺塞 | 32.孔用挡圈 | |
| 11.平键 | 22.螺钉 | 33.骨架油封 | |

# GK系列 斜齿轮-弧齿锥齿轮减速电机

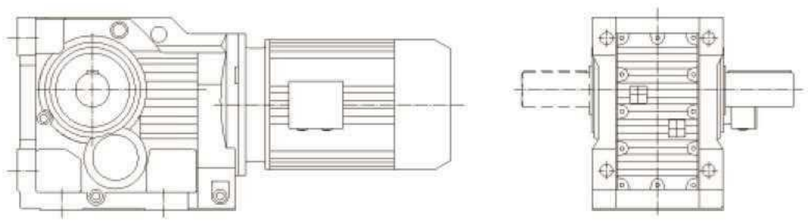
## 结构形式说明 Dimensional Description

GK 系列输出轴垂直于输入轴，由二级斜齿轮和一级弧齿锥齿轮构成。

Output shafts of GK series geared motors are vertical to input shafts. Each units consist of two stages helical gears and one stage bevel gears.

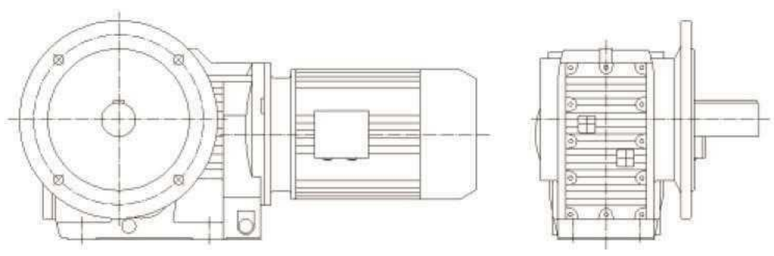
**1.GK 型：** 底脚安装，输出轴为实心轴。

**Type GK:** Foot mounted. Solid output shaft.



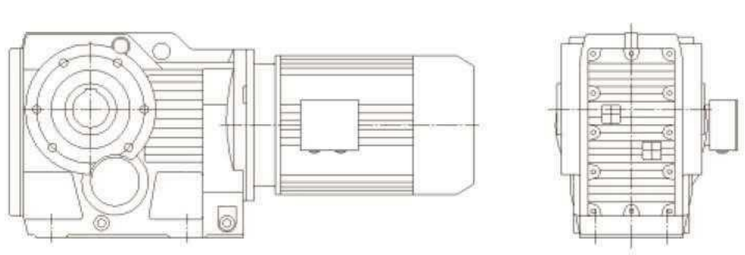
**2.GKF 型：** B5 法兰安装，输出轴为实心轴。

**Type GKF:** B5 flange-mounted. Solid output shaft.



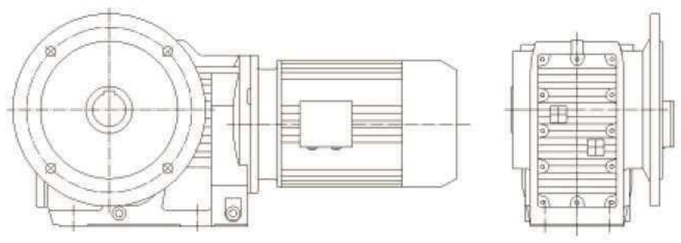
**3.GKA 型：** 轴装式，输出轴为空心轴。

**Type GKA：** Shaft mounted. Hollow output shaft.



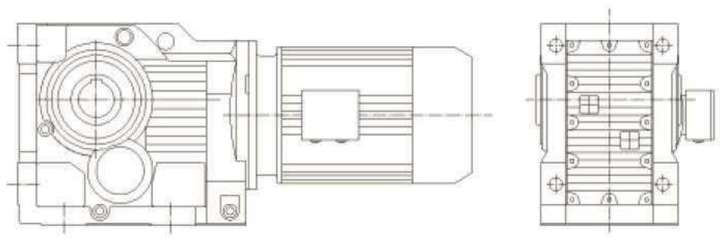
**4.GKAF 型：** B5 法兰安装，输出轴为空心轴。

**Type GKAF:** B5 flange-mounted. Hollow output shaft.



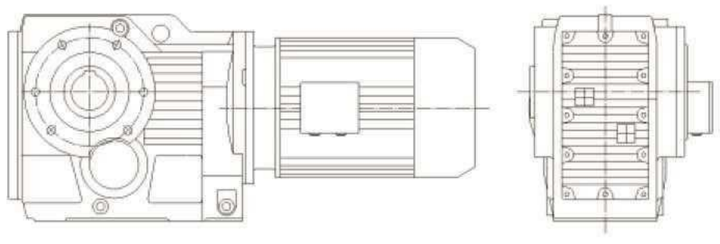
**5.GKAB/GKHB 型：** 用 GK 型箱体，输出轴为空心轴。

**Type GKAB/GKHB:** Housings of type GK are used. Hollow output shaft.



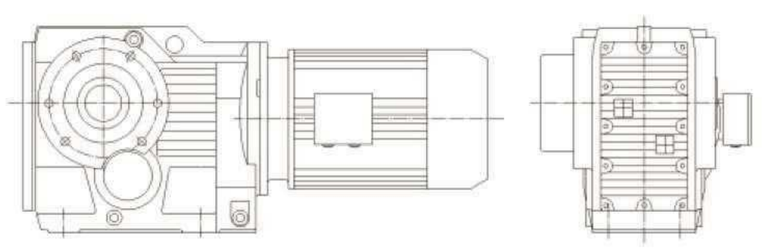
**6.GKAZ 型：** B14 法兰，空心轴安装。

**Type GKAZ:** B14 flange-mounted version with hollow shaft.



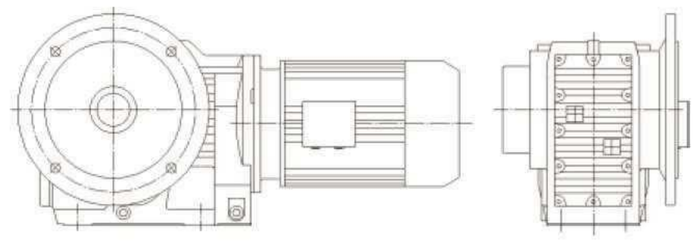
**7.GKH 型**：空心轴锁紧盘安装。

**Type GKH:** Hollow shaft and shrink disk.



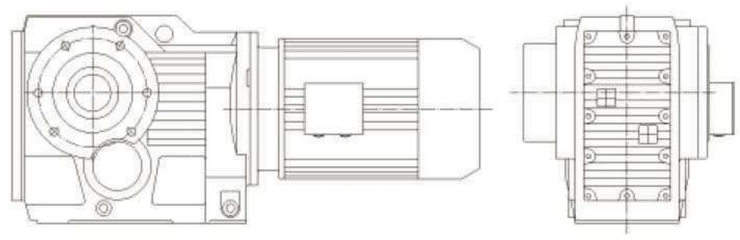
**8.GKHF 型：** B5 法兰，空心轴锁紧盘安装。

**Type GKHF:** B5 flange-mounted version with hollow shaft and shrink disk.



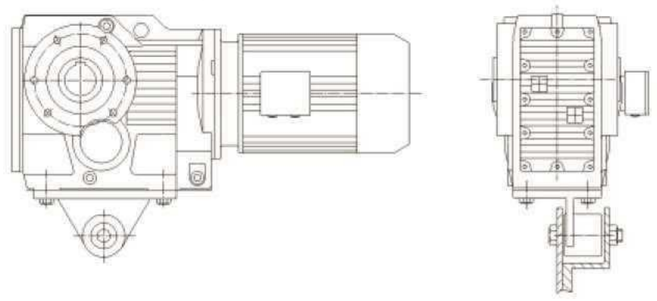
**9.GKHZ 型：** B14 法兰，空心轴锁紧盘安装。

**Type GKHZ:** B14 flange-mounted version with hollow shaft and shrink disk.



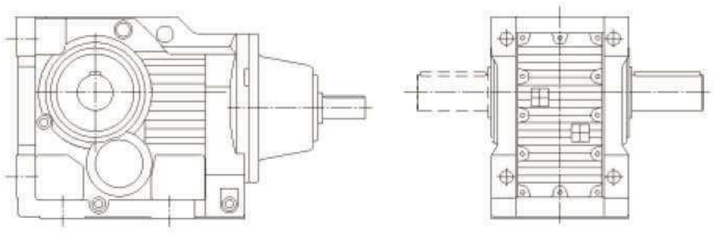
**10.GKAT 型/GKHT 型：防转臂安装**

**Type GKAT/GKHT:** Torque arm mounted.



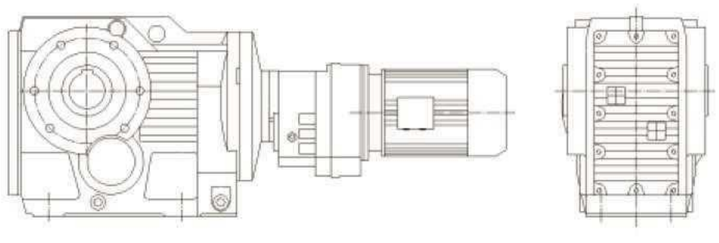
**11.GK..AD..型**：输入轴型。

**Type GK..AD..:** Input shaft types.



**12.GK..R 型：** GK 系列和 GR 系列的组合。

**Type GK..R:** Combined types of type GK and type GR.



K

# GK 系列机型号表示方法 Type Expression of GK Series

G KAF 69 - Y0.37 - 8P - 102.62 - M4 - B - 270° - 3 - IEC(ZPIEC)

- IEC(ZPIEC): 法兰联接式(用户自配电机) Flange connection (without motor)
- 3: 入线口位置 Position of cable entry
- 270°: 电机接线盒方向（角度）（参见电机接线盒位置表示方法） Terminal box position (angle) (see description of motor terminal box position)
- B: 输出轴或输出法兰方向（参见安装形式图例） Direction of output flange or output shaft. (see mounting arrangement description)
- M4: 安装形式（参见安装形式图例） Mounting arrangement (see mounting arrangement description)
- 102.62: 传动比（参见选型参数表） Ratio (see selection table)
- 8P: 电机极数（参见选型参数表） Pole number of motor (see selection table)
- Y0.37: 电机系列代号和功率（参见选型参数表） Motor type and motor power (see selection table)
- KAF 69: 机型和规格号（参见选型参数表和安装结构尺寸图表） Type size (see selection table and mounting dimensional description)
- G: 公司代号 G, symbol of company

注： 1、需带联接法兰时请注明 IEC。

2、输入轴型没有电机各项内容。

3、不注明减速机的安装形式时，则默认为安装形式中的 M1 位置。不注明接线盒方向时，则默认为安装形式中的 0 度位置。不注明入线口位置时，则默认为 X 位置。

4、对输出轴旋转方向和输入轴旋转方向有特别要求的用户，请与技术部联系，并在订货时用简图或文字说明。

Note: 1、Please make a note, if it needs connecting flange.

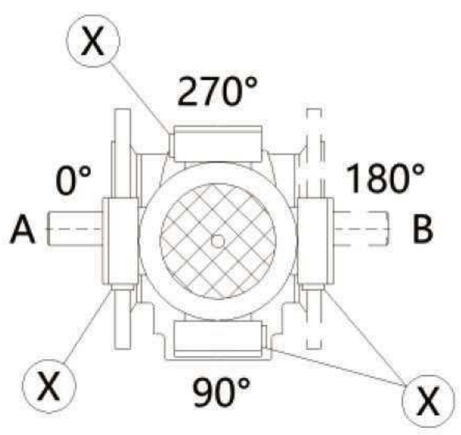
2、Contents of motors for input shaft types are not listed.

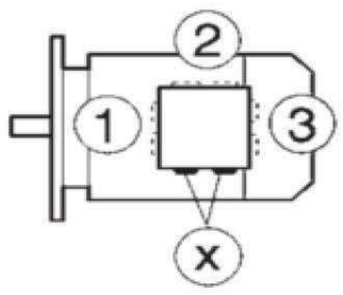
3、It is M1,When the mounting arrangement of the reducer is not mentioned.Degree=0°,if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.

4、If specific rotation directions of output shaft or/and input shaft are specially requested, please contact our technology department, and make detailed description while placing order.

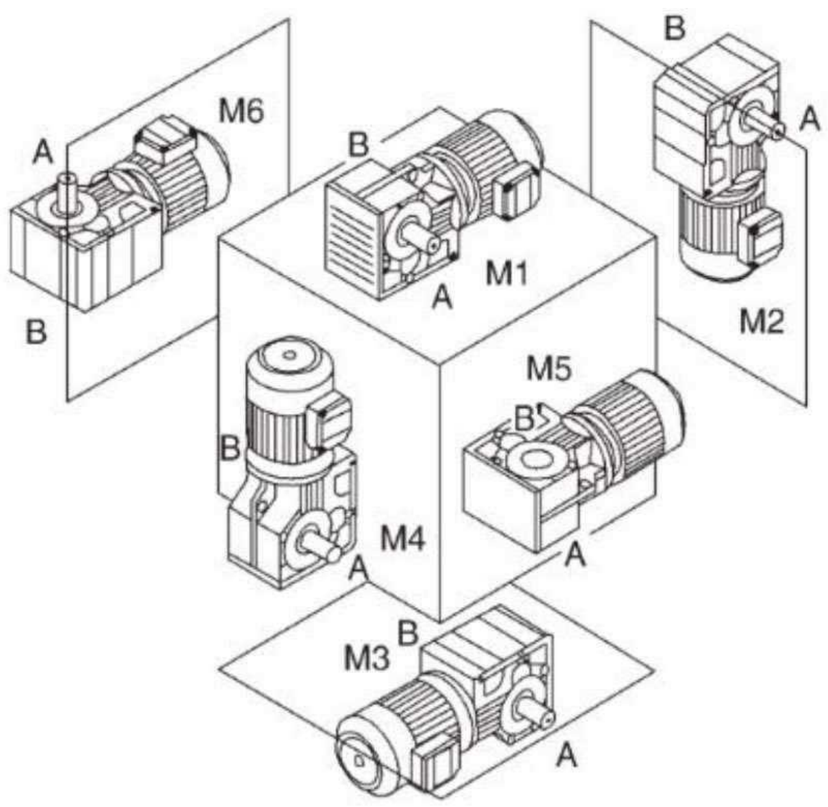
## 电机接线盒位置及入线口位置表示方法

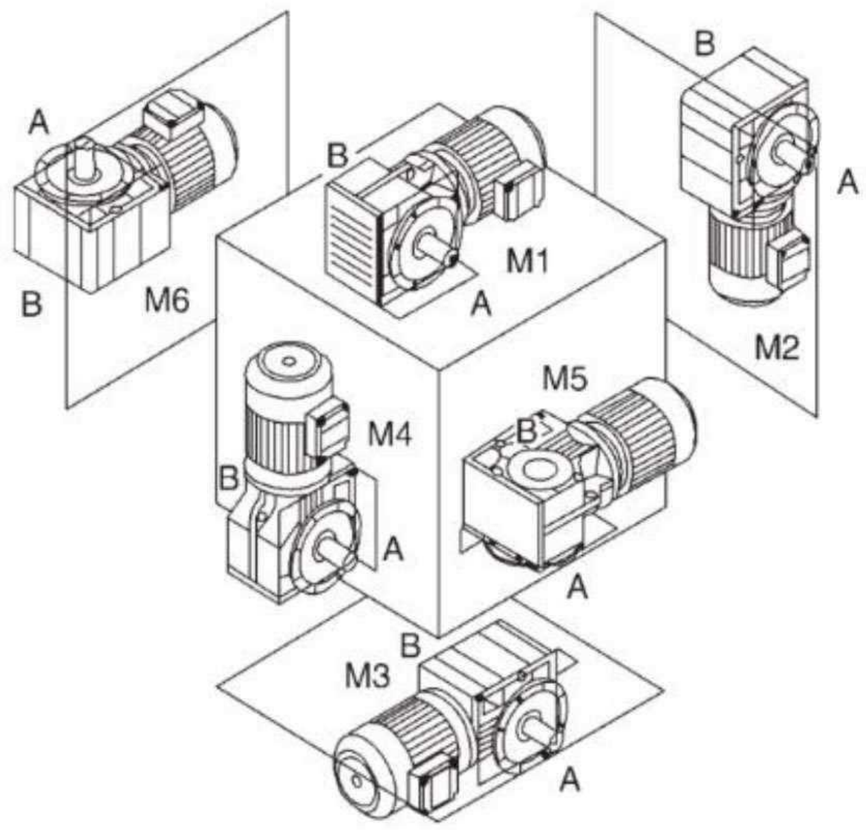
## Description of Motor Terminal Box Position and Cable Entry Position



## 安装形式图例 Mounting Arrangements Description




安装形式定义：

M1-电机水平放置；减速机底脚朝下。

M2-电机居下。

M3-电机水平放置；减速机底脚朝上。

M4-电机居上。

M5-电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到下方位置。

M6-电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到上方位置。

Mounting arrangements are defined as following:

M1-horizontally mounted motor,unit base is at bottom.

M2-motor is vertically mounted downwards.

M3-horizontally mounted motor,unit base is top.

M4-motor is vertically mounted upwards.

M5-horizontally mounted motor,if placed on M1 position,left side of unit turns to bottom(view point:towards from motor side).

M6-horizontally mounted motor,if placed on M1 position,left side of unit turns to top(view point:towards from motor side).

## 减速机重量 Gear Unit Weight

| 机型号 Type size | GK37 | GK47 | GK57 | GK67 | GK77 | GK87 | GK97 | GK107 | GK127 | GK157 | GK167 | GK187 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 重量(kg) Weight | 14 | 21 | 28 | 32 | 54 | 93 | 153 | 270 | 403 | 630 | 1122 | 1630 |

注:重量为平均值，不包括电机、联接法兰，仅供参考。

(Note: The weights mean values without the motor and IEC flange, only for reference.)

## 选型参数表注释 Description of Selection Table

恒功率 Constant power

| $n_a$ [r/min] | Ma [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| 输出转速 Output speed | 输出转矩 Output torque | 减速比 Ratio | 许用径向载荷 Permissible radial load | 使用系数 Service factor | | |

恒转矩 Constant torque

| Mamax [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque | 输出转速 Output speed | 减速比 ratio | 许用径向载荷 Permissible radial load | | 电机功率 Motor power |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 0.07 | 13856 | 17550 | 76 | 1.00 | | |
| 0.08 | 12637 | 16006 | 76 | 1.10 | | |
| 0.09 | 11823 | 14975 | 77 | 1.20 | **GK127R77** | |
| 0.11 | 9822 | 12440 | 77 | 1.40 | **GKF127R77** | |
| 0.12 | 8617 | 10914 | 78 | 1.60 | **GKA127R77** | **4P** |
| 0.13 | 7752 | 9819 | 78 | 1.80 | **GKAF127R77** | |
| 0.16 | 6666 | 8443 | 78 | 2.10 | | |
| 0.18 | 5908 | 7483 | 78 | 2.40 | | |
| 0.09 | 11299 | 14311 | 62 | 0.80 | | |
| 0.11 | 9641 | 12211 | 62 | 0.90 | | |
| 0.12 | 8430 | 10678 | 62 | 1.00 | | |
| 0.14 | 7519 | 9524 | 62 | 1.15 | **GK107R77** | |
| 0.16 | 6575 | 8328 | 62 | 1.30 | **GKF107R77** | |
| 0.18 | 5739 | 7269 | 62 | 1.45 | **GKA107R77** | **4P** |
| 0.21 | 4882 | 6184 | 62 | 1.75 | **GKAF107R77** | |
| 0.23 | 4470 | 5662 | 62 | 1.90 | | |
| 0.25 | 4057 | 5138 | 62 | 2.10 | | |
| 0.30 | 3442 | 4360 | 62 | 2.50 | | |
| 0.16 | 6360 | 8055 | 38 | 0.80 | | |
| 0.19 | 5502 | 6969 | 38 | 0.85 | | |
| 0.22 | 4758 | 6027 | 38 | 0.95 | **GK97R57** | |
| 0.24 | 4257 | 5392 | 38 | 1.05 | **GKF97R57** | |
| 0.28 | 3686 | 4669 | 38 | 1.25 | **GKA97R57** | **4P** |
| 0.32 | 3222 | 4081 | 38 | 1.40 | **GKAF97R57** | |
| 0.37 | 2829 | 3583 | 38 | 1.60 | | |
| 0.42 | 2454 | 3108 | 38 | 1.85 | | |
| 0.48 | 2176 | 2756 | 38 | 2.10 | | |
| 0.54 | 1910 | 2419 | 38 | 2.50 | | |
| 0.62 | 1676 | 2123 | 38 | 2.70 | **GK97R57** | |
| 0.71 | 1465 | 1856 | 38 | 3.10 | **GKF97R57** | |
| 0.81 | 1283 | 1625 | 38 | 3.55 | **GKA97R57** | **4P** |
| 0.92 | 1129 | 1430 | 38 | 4.05 | **GKAF97R57** | |
| 1.04 | 996 | 1261 | 38 | 4.60 | | |
| 1.19 | 870 | 1102 | 38 | 5.25 | | |
| 0.25 | 4136 | 5239 | 25 | 0.80 | | |
| 0.29 | 3602 | 4562 | 26 | 0.80 | **GK87R57** | |
| 0.32 | 3187 | 4037 | 26 | 0.90 | **GKF87R57** | |
| 0.36 | 2849 | 3609 | 26 | 1.00 | **GKA87R57** | **4P** |
| 0.42 | 2452 | 3106 | 27 | 1.15 | **GKAF87R57** | |
| 0.48 | 2154 | 2728 | 27 | 1.35 | | |
| 0.55 | 1872 | 2371 | 27 | 1.55 | | |
| 0.63 | 1648 | 2087 | 27 | 1.75 | | |
| 0.71 | 1464 | 1854 | 27 | 1.95 | | |
| 0.79 | 1309 | 1658 | 27 | 2.20 | **GK87R57** | |
| 0.93 | 1117 | 1415 | 27 | 2.55 | **GKF87R57** | |
| 1.07 | 970 | 1229 | 27 | 2.95 | **GKA87R57** | **4P** |
| 1.22 | 851 | 1078 | 27 | 3.35 | **GKAF87R57** | |
| 1.38 | 751 | 951 | 28 | 3.80 | | |
| 1.57 | 661 | 837 | 28 | 4.35 | | |
| 1.80 | 573 | 726 | 28 | 5.00 | | |
| 0.48 | 2136 | 2706 | 13 | 0.80 | **GK77R37** | |
| 0.56 | 1863 | 2360 | 15 | 0.90 | **GKF77R37** | |
| | | | | | **GKA77R37** | **4P** |
| | | | | | **GKAF77R37** | |
| 0.64 | 1611 | 2041 | 16 | 1.00 | | |
| 0.74 | 1393 | 1764 | 17 | 1.15 | **GK77R37** | |
| 0.87 | 1191 | 1508 | 17 | 1.35 | **GKF77R37** | |
| 0.95 | 1091 | 1382 | 18 | 1.50 | **GKA77R37** | **4P** |
| 1.08 | 958 | 1213 | 18 | 1.70 | **GKAF77R37** | |
| 1.25 | 827 | 1048 | 18 | 1.95 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 1.42 | 726 | 920 | 19 | 2.25 | **GK77R37** | |
| 1.61 | 641 | 812 | 19 | 2.55 | **GKF77R37** | **4P** |
| 1.86 | 557 | 706 | 19 | 2.95 | **GKA77R37** | |
| 2.11 | 489 | 620 | 19 | 3.35 | **GKAF77R37** | |
| 0.97 | 1067 | 1351 | 8.8 | 0.80 | | |
| 1.1 | 925 | 1171 | 10 | 0.95 | | |
| 1.3 | 816 | 1034 | 11 | 1.05 | | |
| 1.5 | 713 | 903 | 11 | 1.20 | | |
| 1.7 | 626 | 793 | 12 | 1.40 | | |
| 1.9 | 550 | 697 | 12 | 1.60 | **GK67R37** | |
| 2.1 | 484 | 613 | 12 | 1.80 | **GKF67R37** | |
| 2.4 | 428 | 542 | 12 | 2.05 | **GKA67R37** | **4P** |
| 2.8 | 372 | 471 | 12 | 2.35 | **GKAF67R37** | |
| 3.1 | 332 | 420 | 12 | 2.60 | | |
| 3.6 | 285 | 361 | 12 | 3.05 | | |
| 4.1 | 255 | 323 | 12 | 3.40 | | |
| 4.7 | 220 | 279 | 12 | 3.95 | | |
| 5.3 | 194 | 246 | 12 | 4.50 | | |
| 6.0 | 171 | 217 | 12 | 5.10 | | |
| 1.4 | 715 | 906 | 7.4 | 0.90 | | |
| 1.6 | 636 | 806 | 7.8 | 1.00 | | |
| 1.9 | 552 | 699 | 8.3 | 1.15 | | |
| 2.1 | 486 | 615 | 8.5 | 1.30 | | |
| 2.4 | 429 | 544 | 8.7 | 1.50 | **GK57R37** | |
| 2.8 | 373 | 473 | 8.8 | 1.70 | **GKF57R37** | |
| 3.1 | 332 | 421 | 8.9 | 1.90 | **GKA57R37** | **4P** |
| 3.6 | 286 | 362 | 9.0 | 2.25 | **GKAF57R37** | |
| 4.1 | 252 | 319 | 9.1 | 2.55 | | |
| 4.7 | 221 | 280 | 9.2 | 2.90 | | |
| 5.3 | 194 | 246 | 9.3 | 3.30 | | |
| 6.1 | 170 | 215 | 9.3 | 3.75 | | |
| 6.8 | 152 | 192 | 9.4 | 4.20 | | |
| 2.1 | 505 | 639 | 2.4 | 0.85 | | |
| 2.4 | 436 | 552 | 6.0 | 0.95 | **GK47R37** | |
| 2.6 | 391 | 495 | 6.6 | 1.10 | **GKF47R37** | |
| 3.1 | 336 | 426 | 6.9 | 1.25 | **GKA47R37** | **4P** |
| 3.5 | 296 | 375 | 7.2 | 1.45 | **GKAF47R37** | |
| 4.0 | 258 | 327 | 7.3 | 1.65 | | |
| 4.5 | 228 | 289 | 7.4 | 1.85 | | |
| 3.8 | 273 | 346 | 4.6 | 0.80 | | |
| 4.3 | 240 | 304 | 5.4 | 0.90 | | |
| 4.9 | 211 | 267 | 5.5 | 1.00 | **GK37R17** | |
| 5.6 | 185 | 234 | 5.8 | 1.15 | **GKF37R17** | |
| 6.4 | 162 | 205 | 5.9 | 1.30 | **GKA37R17** | **4P** |
| 7.2 | 143 | 181 | 6.0 | 1.50 | **GKAF37R17** | |
| 8.2 | 126 | 160 | 6.1 | 1.70 | | |
| 9.6 | 107 | 136 | 6.2 | 2.00 | | |
| 5.9 | 185 | 144.79 | 12 | 4.40 | **GK67** **GKF67** **GKA67** **GKAF67** | **6P** * |
| 5.9 | 186 | 145.15 | 9.2 | 3.20 | | |
| 6.9 | 159 | 123.85 | 9.3 | 3.80 | **GK57** | |
| 7.8 | 139 | 108.29 | 9.3 | 4.30 | **GKF57** | |
| 8.3 | 132 | 102.88 | 9.3 | 4.60 | **GKA57** | **6P** * |
| 9.4 | 116 | 90.26 | 9.4 | 5.20 | **GKAF57** | |
| 11 | 98 | 76.56 | 9.4 | 6.20 | | |

*0.12kW（6P）电机需特制。*0.12kW motor of 6 poles needs to be specially requested and then manufactured.

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 9 | 121 | 145.15 | 9.4 | 5.00 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 11 | 103 | 123.85 | 9.4 | 5.80 | | |
| 12 | 90 | 108.29 | 9.5 | 6.70 | | |
| 13 | 86 | 102.88 | 9.5 | 7.00 | | |
| 15 | 75 | 90.26 | 9.5 | 8.00 | | |
| 6.4 | 169 | 131.87 | 7.5 | 2.40 | **GK47 GKF47 GKA47 GKAF47** | **6P*** |
| 7.0 | 156 | 121.48 | 7.6 | 2.60 | | |
| 8.1 | 134 | 104.37 | 7.7 | 3.00 | | |
| 9.9 | 110 | 131.87 | 7.7 | 3.70 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 11 | 101 | 121.48 | 7.8 | 4.00 | | |
| 8.0 | 136 | 106.38 | 5.9 | 1.50 | **GK37 GKF37 GKA37 GKAF37** | **6P*** |
| 8.7 | 125 | 97.81 | 6.0 | 1.60 | | |
| 10 | 107 | 83.69 | 6.1 | 1.90 | | |
| 12 | 93 | 72.54 | 6.2 | 2.20 | | |
| 12 | 88 | 106.38 | 6.2 | 2.30 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 13 | 81 | 97.81 | 6.2 | 2.50 | | |
| 16 | 70 | 83.69 | 6.2 | 2.90 | | |
| 18 | 60 | 72.54 | 6.3 | 3.30 | | |
| 19 | 56 | 67.80 | 6.3 | 3.50 | | |
| 22 | 49 | 58.60 | 6.1 | 4.10 | | |
| 26 | 41 | 49.79 | 5.8 | 4.80 | | |
| 29 | 37 | 44.46 | 5.6 | 5.40 | | |
| 35 | 32 | 37.97 | 5.4 | 6.30 | | |
| 37 | 30 | 35.57 | 5.3 | 6.80 | | |
| 44 | 25 | 29.96 | 5.0 | 8.00 | | |
| 45 | 24 | 28.83 | 4.9 | 8.40 | | |
| 52 | 21 | 24.99 | 4.7 | 9.60 | | |
| 56 | 19 | 23.36 | 4.6 | 10 | | |
| 65 | 17 | 20.19 | 4.4 | 11 | | |
| 76 | 14 | 17.15 | 4.2 | 13 | | |
| 86 | 13 | 15.32 | 4.1 | 14 | | |
| 100 | 11 | 13.08 | 3.9 | 15 | | |
| 108 | 10 | 12.14 | 3.8 | 16 | | |
| **0.18kW** | | | | | | |
| 0.09 | 17734 | 14975 | 70 | 0.80 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 0.11 | 14732 | 12440 | 75 | 0.95 | | |
| 0.12 | 12925 | 10914 | 76 | 1.10 | | |
| 0.13 | 11628 | 9819 | 76 | 1.20 | | |
| 0.16 | 9999 | 8443 | 77 | 1.40 | | |
| 0.18 | 8862 | 7483 | 77 | 1.60 | | |
| 0.20 | 7775 | 6565 | 78 | 1.80 | | |
| 0.23 | 6874 | 5804 | 78 | 2.00 | | |
| 0.26 | 5953 | 5027 | 78 | 2.35 | | |
| 0.30 | 5238 | 4423 | 78 | 2.70 | | |
| 0.34 | 4606 | 3889 | 78 | 3.00 | | |
| 0.40 | 3921 | 3311 | 78 | 3.55 | | |
| 0.16 | 9863 | 8328 | 62 | 0.85 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 0.18 | 8608 | 7269 | 62 | 1.00 | | |
| 0.21 | 7324 | 6184 | 62 | 1.15 | | |
| 0.23 | 6705 | 5662 | 62 | 1.25 | | |
| 0.25 | 6085 | 5138 | 62 | 1.40 | | |
| 0.30 | 5163 | 4360 | 62 | 1.65 | | |
| 0.34 | 4513 | 3811 | 62 | 1.90 | | |
| 0.39 | 3977 | 3358 | 62 | 2.15 | | |
| 0.44 | 3526 | 2977 | 62 | 2.40 | | |
| 0.50 | 3077 | 2598 | 62 | 2.75 | | |
| 0.57 | 2707 | 2286 | 62 | 3.15 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 0.28 | 5529 | 4669 | 38 | 0.85 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 0.32 | 4833 | 4081 | 38 | 0.95 | | |
| 0.37 | 4243 | 3583 | 38 | 1.10 | | |
| 0.42 | 3681 | 3108 | 38 | 1.25 | | |
| 0.48 | 3264 | 2756 | 38 | 1.40 | | |
| 0.54 | 2865 | 2419 | 38 | 1.60 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 0.62 | 2514 | 2123 | 38 | 1.80 | | |
| 0.71 | 2198 | 1856 | 38 | 2.10 | | |
| 0.81 | 1924 | 1625 | 38 | 2.35 | | |
| 0.92 | 1694 | 1430 | 38 | 2.70 | | |
| 1.04 | 1493 | 1261 | 38 | 3.05 | | |
| 1.19 | 1305 | 1102 | 38 | 3.50 | | |
| 1.37 | 1133 | 957 | 38 | 4.05 | | |
| 1.53 | 1013 | 855 | 38 | 4.50 | | |
| 1.76 | 880 | 743 | 38 | 5.20 | | |
| 2.01 | 771 | 651 | 38 | 5.90 | | |
| 0.42 | 3678 | 3106 | 25 | 0.80 | **GK87R57 GKF87R57 GKA87R57 GKAF87R57** | **4P** |
| 0.48 | 3231 | 2728 | 26 | 0.90 | | |
| 0.55 | 2808 | 2371 | 26 | 1.00 | | |
| 0.63 | 2472 | 2087 | 26 | 1.15 | **GK87R57 GKF87R57 GKA87R57 GKAF87R57** | **4P** |
| 0.71 | 2196 | 1854 | 27 | 1.30 | | |
| 0.79 | 1964 | 1658 | 27 | 1.45 | | |
| 0.93 | 1676 | 1415 | 27 | 1.70 | | |
| 1.1 | 1455 | 1229 | 27 | 1.95 | | |
| 1.2 | 1277 | 1078 | 27 | 2.25 | | |
| 1.4 | 1126 | 951 | 27 | 2.55 | | |
| 1.6 | 991 | 837 | 27 | 2.90 | | |
| 1.8 | 860 | 726 | 27 | 3.35 | | |
| 0.87 | 1786 | 1508 | 14 | 0.90 | **GK77R37 GKF77R37 GKA77R37 GKAF77R37** | **4P** |
| 0.95 | 1637 | 1382 | 15 | 1.00 | | |
| 1.1 | 1437 | 1213 | 16 | 1.15 | | |
| 1.3 | 1241 | 1048 | 17 | 1.30 | | |
| 1.4 | 1090 | 920 | 17 | 1.50 | | |
| 1.6 | 962 | 812 | 18 | 1.70 | | |
| 1.9 | 836 | 706 | 18 | 1.95 | | |
| 2.1 | 734 | 620 | 18 | 2.25 | | |
| 2.4 | 651 | 550 | 19 | 2.50 | | |
| 2.7 | 572 | 483 | 19 | 2.85 | | |
| 3.1 | 505 | 426 | 19 | 3.25 | | |
| 3.6 | 433 | 366 | 19 | 3.75 | | |
| 1.5 | 1069 | 903 | 5.4 | 0.80 | **GK67R37 GKF67R37 GKA67R37 GKAF67R37** | **4P** |
| 1.7 | 939 | 793 | 9.1 | 0.95 | | |
| 1.9 | 825 | 697 | 10 | 1.05 | | |
| 2.1 | 726 | 613 | 11 | 1.20 | | |
| 2.4 | 642 | 542 | 11 | 1.35 | | |
| 2.8 | 558 | 471 | 12 | 1.55 | | |
| 3.1 | 497 | 420 | 12 | 1.75 | | |
| 3.6 | 428 | 361 | 12 | 2.05 | | |
| 4.1 | 383 | 323 | 12 | 2.25 | | |
| 4.7 | 330 | 279 | 12 | 2.65 | | |
| 2.1 | 728 | 615 | 5.3 | 0.90 | **GK57R37 GKF57R37 GKA57R37 GKAF57R37** | **4P** |
| 2.4 | 644 | 544 | 7.4 | 1.00 | | |
| 2.8 | 560 | 473 | 7.9 | 1.15 | | |
| 3.1 | 499 | 421 | 8.2 | 1.30 | | |
| 3.6 | 429 | 362 | 8.5 | 1.50 | | |
| 4.1 | 378 | 319 | 8.6 | 1.70 | | |
| 4.7 | 332 | 280 | 8.8 | 1.90 | | |
| 5.3 | 291 | 246 | 8.9 | 2.20 | | |
| 6.1 | 255 | 215 | 9.1 | 2.50 | | |

*0.12kW（6P）电机需特制。*0.12kW motor of 6 poles needs to be specially requested and then manufactured.

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 6.8 | 227 | 192 | 9.1 | 2.80 | **GK57R37 GKF57R37 GKA57R37 GKAF57R37** | **4P** |
| 7.9 | 197 | 166 | 9.2 | 3.25 | | |
| 3.5 | 444 | 375 | 5.6 | 0.95 | | |
| 4.0 | 387 | 327 | 6.1 | 1.10 | | |
| 4.5 | 342 | 289 | 6.6 | 1.25 | **GK47R37 GKF47R37 GKA47R37 GKAF47R37** | **4P** |
| 5.1 | 303 | 256 | 6.9 | 1.40 | | |
| 5.8 | 266 | 225 | 7.1 | 1.60 | | |
| 6.6 | 234 | 198 | 7.3 | 1.80 | | |
| 7.7 | 203 | 171 | 7.5 | 2.10 | | |
| 8.6 | 181 | 153 | 7.6 | 2.35 | | |
| 10 | 155 | 131 | 7.6 | 2.75 | | |
| 6.4 | 243 | 205 | 5.0 | 0.85 | **GK37R17 GKF37R17 GKA37R17 GKAF37R17** | **4P** |
| 7.2 | 214 | 181 | 5.4 | 1.00 | | |
| 8.2 | 189 | 160 | 5.6 | 1.10 | | |
| 9.6 | 161 | 136 | 5.8 | 1.30 | | |
| 10 | 150 | 127 | 5.9 | 1.40 | | |
| 5.9 | 276 | 144.79 | 12 | 2.90 | **GK67 GKF67 GKA67 GKAF67** | **6P** |
| 6.9 | 236 | 123.54 | 12 | 3.40 | | |
| 7.9 | 206 | 108.03 | 12 | 3.80 | | |
| 8.3 | 196 | 102.62 | 12 | 4.00 | | |
| 9.0 | 180 | 144.79 | 12 | 4.30 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 11 | 154 | 123.54 | 12 | 5.10 | | |
| 12 | 135 | 108.03 | 12 | 5.80 | | |
| 5.9 | 279 | 145.15 | 8.9 | 2.10 | **GK57 GKF57 GKA57 GKAF57** | **6P** |
| 6.9 | 238 | 123.85 | 9.0 | 2.50 | | |
| 7.8 | 208 | 108.29 | 9.1 | 2.80 | | |
| 8.3 | 198 | 102.88 | 9.1 | 3.00 | | |
| 9.4 | 173 | 90.26 | 9.2 | 3.40 | | |
| 9.0 | 181 | 145.15 | 9.2 | 3.20 | | |
| 11 | 154 | 123.85 | 9.3 | 3.70 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 12 | 135 | 108.29 | 9.3 | 4.30 | | |
| 13 | 128 | 102.88 | 9.3 | 4.50 | | |
| 15 | 113 | 90.26 | 9.4 | 5.10 | | |
| 17 | 95 | 76.56 | 9.4 | 6.00 | | |
| 6.4 | 253 | 131.87 | 7.0 | 1.55 | **GK47 GKF47 GKA47 GKAF47** | **6P** |
| 7.0 | 233 | 121.48 | 7.2 | 1.65 | | |
| 8.1 | 201 | 104.37 | 7.4 | 1.95 | | |
| 9.4 | 175 | 90.86 | 7.5 | 2.20 | | |
| 10 | 164 | 85.12 | 7.5 | 2.40 | | |
| 10 | 164 | 131.87 | 7.5 | 2.30 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 11 | 151 | 121.48 | 7.6 | 2.50 | | |
| 13 | 130 | 104.37 | 7.7 | 2.90 | | |
| 14 | 113 | 90.86 | 7.7 | 3.40 | | |
| 15 | 106 | 85.12 | 7.7 | 3.60 | | |
| 8.0 | 204 | 106.38 | 5.2 | 0.95 | **GK37 GKF37 GKA37 GKAF37** | **6P** |
| 8.7 | 188 | 97.81 | 5.4 | 1.05 | | |
| 10 | 161 | 83.69 | 5.7 | 1.20 | | |
| 12 | 139 | 72.54 | 5.9 | 1.40 | | |
| 12 | 133 | 106.38 | 5.9 | 1.45 | | |
| 13 | 122 | 97.81 | 6.0 | 1.55 | | |
| 16 | 104 | 83.69 | 6.1 | 1.85 | | |
| 18 | 90 | 72.54 | 6.1 | 2.10 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 19 | 85 | 67.80 | 6.2 | 2.30 | | |
| 22 | 73 | 58.60 | 6.0 | 2.60 | | |
| 26 | 62 | 49.79 | 5.7 | 3.10 | | |
| 29 | 55 | 44.46 | 5.5 | 3.50 | | |
| 35 | 47 | 37.97 | 5.3 | 4.10 | | |
| 37 | 44 | 35.57 | 5.2 | 4.30 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 44 | 37 | 29.96 | 5.0 | 5.10 | | |
| 45 | 36 | 28.83 | 4.9 | 5.30 | | |
| 52 | 31 | 24.99 | 4.7 | 6.20 | | |
| 56 | 29 | 23.36 | 4.6 | 6.40 | | |
| 65 | 25 | 20.19 | 4.4 | 7.00 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 76 | 21 | 17.15 | 4.2 | 8.10 | | |
| 86 | 19 | 15.32 | 4.1 | 8.80 | | |
| 100 | 16 | 13.08 | 3.9 | 9.70 | | |
| 108 | 15 | 12.14 | 3.8 | 10 | | |
| 125 | 13 | 10.49 | 3.6 | 12 | | |
| 147 | 11 | 8.91 | 3.4 | 14 | | |
| 165 | 9.9 | 7.96 | 3.3 | 15 | | |
| **0.25kW** | | | | | | |
| 0.14 | 16151 | 9819 | 72 | 0.85 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 0.16 | 13887 | 8443 | 75 | 1.00 | | |
| 0.18 | 12308 | 7483 | 76 | 1.15 | | |
| 0.20 | 10798 | 6565 | 77 | 1.30 | | |
| 0.23 | 9547 | 5804 | 77 | 1.45 | | |
| 0.26 | 8269 | 5027 | 78 | 1.70 | | |
| 0.30 | 7275 | 4423 | 78 | 1.95 | | |
| 0.34 | 6397 | 3889 | 78 | 2.20 | | |
| 0.40 | 5446 | 3311 | 78 | 2.55 | | |
| 0.22 | 10019 | 6184 | 62 | 0.85 | | |
| 0.23 | 9173 | 5662 | 62 | 0.90 | | |
| 0.26 | 8324 | 5138 | 62 | 1.00 | | |
| 0.31 | 7064 | 4360 | 62 | 1.20 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 0.35 | 6174 | 3811 | 62 | 1.35 | | |
| 0.40 | 5440 | 3358 | 62 | 1.55 | | |
| 0.45 | 4823 | 2977 | 62 | 1.75 | | |
| 0.51 | 4209 | 2598 | 62 | 2.00 | | |
| 0.58 | 3704 | 2286 | 62 | 2.25 | | |
| 0.69 | 3141 | 1939 | 62 | 2.65 | | |
| 0.78 | 2775 | 1713 | 62 | 3.00 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 0.86 | 2519 | 1555 | 62 | 3.30 | | |
| 1.0 | 2164 | 1336 | 62 | 3.85 | | |
| 0.43 | 5035 | 3108 | 38 | 0.85 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 0.48 | 4465 | 2756 | 38 | 1.00 | | |
| 0.55 | 3919 | 2419 | 38 | 1.15 | | |
| 0.63 | 3439 | 2123 | 38 | 1.30 | | |
| 0.72 | 3007 | 1856 | 38 | 1.50 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 0.82 | 2633 | 1625 | 38 | 1.70 | | |
| 0.93 | 2317 | 1430 | 38 | 1.95 | | |
| 1.1 | 2043 | 1261 | 38 | 2.20 | | |
| 1.2 | 1785 | 1102 | 38 | 2.50 | | |
| 1.4 | 1550 | 957 | 38 | 2.90 | | |
| 1.6 | 1385 | 855 | 38 | 3.25 | | |
| 0.64 | 3381 | 2087 | 25 | 0.85 | | |
| 0.72 | 3004 | 1854 | 26 | 0.95 | | |
| 0.80 | 2686 | 1658 | 26 | 1.05 | | |
| 0.94 | 2292 | 1415 | 26 | 1.25 | **GK87R57** | |
| 1.1 | 1991 | 1229 | 27 | 1.40 | **GKF87R57** | **4P** |
| 1.2 | 1746 | 1078 | 27 | 1.60 | **GKA87R57** | |
| 1.4 | 1541 | 951 | 27 | 1.85 | **GKAF87R57** | |
| 1.6 | 1356 | 837 | 27 | 2.10 | | |
| 1.8 | 1176 | 726 | 27 | 2.40 | | |
| 2.1 | 1034 | 638 | 27 | 2.75 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 1.3 | 1698 | 1048 | 14 | 0.95 | | |
| 1.4 | 1490 | 920 | 15 | 1.10 | | |
| 1.6 | 1316 | 812 | 16 | 1.20 | | |
| 1.9 | 1144 | 706 | 17 | 1.40 | | |
| 2.1 | 1004 | 620 | 17 | 1.60 | | |
| 2.4 | 891 | 550 | 18 | 1.80 | **GK77R37 GKF77R37 GKA77R37 GKAF77R37** | **4P** |
| 2.8 | 783 | 483 | 18 | 2.05 | | |
| 3.1 | 690 | 426 | 18 | 2.35 | | |
| 3.6 | 593 | 366 | 19 | 2.70 | | |
| 4.1 | 528 | 326 | 19 | 3.05 | | |
| 4.6 | 468 | 289 | 19 | 3.45 | | |
| 5.3 | 407 | 251 | 19 | 3.95 | | |
| 6.0 | 356 | 220 | 19 | 4.50 | | |
| 6.9 | 314 | 194 | 19 | 5.15 | | |
| 7.6 | 282 | 174 | 19 | 5.70 | | |
| 2.2 | 993 | 613 | 7.0 | 0.85 | | |
| 2.5 | 878 | 542 | 10 | 1.00 | | |
| 2.8 | 763 | 471 | 10 | 1.10 | **GK67R37 GKF67R37 GKA67R37 GKAF67R37** | **4P** |
| 3.2 | 680 | 420 | 11 | 1.25 | | |
| 3.7 | 585 | 361 | 11 | 1.45 | | |
| 4.1 | 523 | 323 | 12 | 1.65 | | |
| 4.8 | 452 | 279 | 12 | 1.90 | | |
| 5.4 | 399 | 246 | 12 | 2.15 | | |
| 6.1 | 352 | 217 | 12 | 2.45 | | |
| 3.2 | 682 | 421 | 5.5 | 0.90 | | |
| 3.7 | 586 | 362 | 7.4 | 1.05 | | |
| 4.2 | 517 | 319 | 8.0 | 1.20 | | |
| 4.8 | 454 | 280 | 8.3 | 1.40 | | |
| 5.4 | 399 | 246 | 8.5 | 1.55 | **GK57R37** | |
| 6.2 | 348 | 215 | 8.7 | 1.80 | **GKF57R37** | |
| 6.9 | 311 | 192 | 8.8 | 2.00 | **GKA57R37** | **4P** |
| 8.0 | 269 | 166 | 9.0 | 2.35 | **GKAF57R37** | |
| 9.2 | 235 | 145 | 9.1 | 2.65 | | |
| 10 | 209 | 129 | 9.1 | 3.00 | | |
| 12 | 180 | 111 | 9.2 | 3.50 | | |
| 14 | 157 | 97 | 9.3 | 4.00 | | |
| 4.2 | 544 | 153.40 | 19 | 2.90 | **GK77** | |
| 4.7 | 478 | 134.74 | 19 | 3.30 | **GKF77** | **8P** |
| 5.0 | 454 | 128.00 | 19 | 3.40 | **GKA77** | |
| 5.7 | 401 | 113.10 | 19 | 3.90 | **GKAF77** | |
| 4.4 | 511 | 191.40 | 19 | 2.80 | **GK77** | |
| 4.8 | 477 | 178.64 | 19 | 3.00 | **GKF77** | **6P** |
| 5.5 | 409 | 153.40 | 19 | 3.70 | **GKA77** | |
| 6.3 | 360 | 134.74 | 19 | 4.20 | **GKAF77** | |
| 5.2 | 438 | 123.54 | 12 | 1.90 | **GK67** | |
| 5.9 | 383 | 108.03 | 12 | 2.20 | **GKF67** | **8P** |
| 6.2 | 364 | 102.62 | 12 | 2.30 | **GKA67** | |
| 7.1 | 319 | 90.04 | 12 | 2.60 | **GKAF67** | |
| 5.9 | 386 | 144.79 | 12 | 2.10 | **GK67** | |
| 6.9 | 330 | 123.54 | 12 | 2.50 | **GKF67** | **6P** |
| 7.9 | 288 | 108.03 | 12 | 2.80 | **GKA67** | |
| 8.3 | 274 | 102.62 | 12 | 3.00 | **GKAF67** | |
| 9.2 | 247 | 144.79 | 12 | 3.10 | **GK67** | |
| 11 | 211 | 123.54 | 12 | 3.60 | **GKF67** | **4P** |
| 12 | 184 | 108.03 | 12 | 4.10 | **GKA67** | |
| 13 | 175 | 102.62 | 12 | 4.30 | **GKAF67** | |
| 5.9 | 387 | 145.15 | 8.5 | 1.50 | | |
| 6.9 | 330 | 123.85 | 8.7 | 1.80 | **GK57** | |
| 7.8 | 289 | 108.29 | 8.8 | 2.00 | **GKF57** | **6P** |
| 8.3 | 275 | 102.88 | 8.9 | 2.20 | **GKA57** | |
| 9.4 | 241 | 90.26 | 9.0 | 2.50 | **GKAF57** | |
| 11 | 204 | 76.56 | 9.1 | 2.90 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 9.2 | 248 | 145.15 | 8.9 | 2.20 | | |
| 11 | 211 | 123.85 | 9.1 | 2.60 | **GK57** | |
| 12 | 185 | 108.29 | 9.2 | 3.00 | **GKF57** | **4P** |
| 13 | 175 | 102.88 | 9.2 | 3.20 | **GKA57** | |
| 15 | 154 | 90.26 | 9.3 | 3.60 | **GKAF57** | |
| 17 | 131 | 76.56 | 9.3 | 4.30 | | |
| 6.4 | 352 | 131.87 | 6.1 | 1.10 | **GK47** | |
| 7.0 | 324 | 121.48 | 6.4 | 1.20 | **GKF47** | |
| 8.1 | 278 | 104.37 | 6.8 | 1.40 | **GKA47** | **6P** |
| 9.4 | 242 | 90.86 | 7.1 | 1.60 | **GKAF47** | |
| 10 | 227 | 85.12 | 7.2 | 1.75 | | |
| 10 | 225 | 131.87 | 7.1 | 1.65 | **GK47** | |
| 11 | 207 | 121.48 | 7.3 | 1.80 | **GKF47** | |
| 13 | 178 | 104.37 | 7.4 | 2.10 | **GKA47** | **4P** |
| 15 | 155 | 90.86 | 7.5 | 2.40 | **GKAF47** | |
| 16 | 145 | 85.12 | 7.6 | 2.60 | | |
| 10 | 223 | 83.69 | 5.0 | 0.90 | **GK37** | |
| 12 | 194 | 72.54 | 5.4 | 1.00 | **GKF37** | |
| 13 | 181 | 67.80 | 5.5 | 1.10 | **GKA37** | **6P** |
| 15 | 156 | 58.60 | 5.7 | 1.25 | **GKAF37** | |
| 17 | 133 | 49.79 | 5.9 | 1.50 | | |
| 13 | 181 | 106.38 | 5.4 | 1.00 | | |
| 14 | 167 | 97.81 | 5.6 | 1.10 | | |
| 16 | 143 | 83.69 | 5.8 | 1.30 | | |
| 18 | 124 | 72.54 | 5.9 | 1.50 | | |
| 20 | 116 | 67.80 | 5.9 | 1.60 | | |
| 23 | 100 | 58.60 | 5.7 | 1.85 | | |
| 27 | 85 | 49.79 | 5.5 | 2.20 | | |
| 30 | 76 | 44.46 | 5.4 | 2.50 | | |
| 35 | 65 | 37.97 | 5.2 | 2.90 | | |
| 37 | 61 | 35.57 | 5.1 | 3.10 | | |
| 44 | 51 | 29.96 | 4.8 | 3.60 | **GK37** | |
| 46 | 49 | 28.83 | 4.8 | 3.80 | **GKF37** | **4P** |
| 53 | 43 | 24.99 | 4.6 | 4.40 | **GKA37** | |
| 57 | 40 | 23.36 | 4.5 | 4.60 | **GKAF37** | |
| 66 | 34 | 20.19 | 4.4 | 5.00 | | |
| 78 | 29 | 17.15 | 4.2 | 5.70 | | |
| 87 | 26 | 15.32 | 4.0 | 6.20 | | |
| 102 | 22 | 13.08 | 3.8 | 6.90 | | |
| 110 | 21 | 12.14 | 3.7 | 7.20 | | |
| 127 | 18 | 10.49 | 3.6 | 8.30 | | |
| 149 | 15 | 8.91 | 3.4 | 9.80 | | |
| 167 | 14 | 7.96 | 3.3 | 11.00 | | |
| 196 | 12 | 6.80 | 3.1 | 12.00 | | |
| 209 | 11 | 6.37 | 3.1 | 12.00 | | |
| **0.37kW** | | | | | | |
| 0.18 | 17942 | 7483 | 69 | 0.75 | | |
| 0.20 | 15741 | 6565 | 73 | 0.90 | **GK127R77** | |
| 0.23 | 13916 | 5804 | 75 | 1.00 | **GKF127R77** | |
| 0.26 | 12053 | 5027 | 76 | 1.15 | **GKA127R77** | **4P** |
| 0.30 | 10605 | 4423 | 77 | 1.30 | **GKAF127R77** | |
| 0.34 | 9325 | 3889 | 77 | 1.45 | | |
| 0.40 | 7939 | 3311 | 78 | 1.75 | | |
| 0.69 | 4618 | 1926 | 78 | 2.95 | **GK127R77** | |
| 0.76 | 4213 | 1757 | 78 | 3.25 | **GKF127R77** | **4P** |
| 0.86 | 3695 | 1541 | 78 | 3.70 | **GKA127R77** | |
| | | | | | **GKAF127R77** | |
| 0.35 | 9138 | 3811 | 62 | 0.90 | | |
| 0.40 | 8052 | 3358 | 62 | 1.05 | **GK107R77** | |
| 0.45 | 7138 | 2977 | 62 | 1.15 | **GKF107R77** | **4P** |
| 0.51 | 6229 | 2598 | 62 | 1.35 | **GKA107R77** | |
| 0.58 | 5481 | 2286 | 62 | 1.55 | **GKAF107R77** | |
| 0.69 | 4649 | 1939 | 62 | 1.80 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 0.78 | 4107 | 1713 | 62 | 2.05 | **GK107R77** | **4P** |
| 0.86 | 3728 | 1555 | 62 | 2.25 | **GKF107R77** | |
| 1.0 | 3203 | 1336 | 62 | 2.60 | **GKA107R77** | |
| 1.1 | 2796 | 1166 | 62 | 3.00 | **GKAF107R77** | |
| 0.63 | 5090 | 2123 | 38 | 0.90 | | |
| 0.72 | 4450 | 1856 | 38 | 1.00 | | |
| 0.82 | 3896 | 1625 | 38 | 1.15 | | |
| 0.93 | 3429 | 1430 | 38 | 1.30 | **GK97R57** | |
| 1.1 | 3024 | 1261 | 38 | 1.50 | **GKF97R57** | |
| 1.2 | 2642 | 1102 | 38 | 1.70 | **GKA97R57** | **4P** |
| 1.4 | 2295 | 957 | 38 | 1.95 | **GKAF97R57** | |
| 1.6 | 2050 | 855 | 38 | 2.20 | | |
| 1.8 | 1782 | 743 | 38 | 2.50 | | |
| 2.0 | 1561 | 651 | 38 | 2.90 | | |
| 2.3 | 1374 | 573 | 38 | 3.25 | | |
| 0.94 | 3393 | 1415 | 25 | 0.85 | | |
| 1.1 | 2947 | 1229 | 26 | 0.95 | | |
| 1.2 | 2585 | 1078 | 26 | 1.10 | | |
| 1.4 | 2280 | 951 | 27 | 1.25 | **GK87R57** | |
| 1.6 | 2007 | 837 | 27 | 1.40 | **GKF87R57** | |
| 1.8 | 1741 | 726 | 27 | 1.60 | **GKA87R57** | **4P** |
| 2.1 | 1530 | 638 | 27 | 1.85 | **GKAF87R57** | |
| 2.4 | 1348 | 562 | 27 | 2.10 | | |
| 2.8 | 1137 | 474 | 27 | 2.50 | | |
| 3.1 | 1021 | 426 | 27 | 2.75 | | |
| 3.6 | 894 | 373 | 27 | 3.15 | | |
| 1.6 | 1947 | 812 | 10 | 0.85 | | |
| 1.9 | 1693 | 706 | 14 | 0.95 | | |
| 2.1 | 1487 | 620 | 16 | 1.10 | | |
| 2.4 | 1319 | 550 | 16 | 1.20 | | |
| 2.8 | 1158 | 483 | 17 | 1.40 | | |
| 3.1 | 1021 | 426 | 18 | 1.60 | **GK77R37** | |
| 3.6 | 878 | 366 | 18 | 1.85 | **GKF77R37** | |
| 4.1 | 782 | 326 | 18 | 2.05 | **GKA77R37** | **4P** |
| 4.6 | 693 | 289 | 18 | 2.30 | **GKAF77R37** | |
| 5.3 | 602 | 251 | 19 | 2.70 | | |
| 6.0 | 528 | 220 | 19 | 3.05 | | |
| 6.9 | 465 | 194 | 19 | 3.45 | | |
| 7.6 | 417 | 174 | 19 | 3.85 | | |
| 8.7 | 367 | 153 | 19 | 4.40 | | |
| 3.2 | 1007 | 420 | 8.6 | 0.85 | | |
| 3.7 | 866 | 361 | 10 | 1.00 | | |
| 4.1 | 774 | 323 | 11 | 1.10 | | |
| 4.8 | 669 | 279 | 11 | 1.30 | **GK67R37** | |
| 5.4 | 590 | 246 | 12 | 1.45 | **GKF67R37** | |
| 6.1 | 520 | 217 | 12 | 1.65 | **GKA67R37** | **4P** |
| 7.0 | 458 | 191 | 12 | 1.85 | **GKAF67R37** | |
| 8.0 | 398 | 166 | 12 | 2.15 | | |
| 9.2 | 345 | 144 | 12 | 2.50 | | |
| 11 | 293 | 122 | 12 | 2.95 | | |
| 4.8 | 671 | 280 | 7.1 | 0.95 | | |
| 5.4 | 590 | 246 | 7.6 | 1.05 | | |
| 6.2 | 516 | 215 | 8.1 | 1.20 | **GK57R37** | |
| 6.9 | 460 | 192 | 8.3 | 1.35 | **GKF57R37** | |
| 8.0 | 398 | 166 | 8.6 | 1.55 | **GKA57R37** | **4P** |
| 9.2 | 348 | 145 | 8.7 | 1.80 | **GKAF57R37** | |
| 10 | 309 | 129 | 8.9 | 2.00 | | |
| 12 | 266 | 111 | 9.0 | 2.35 | | |
| 14 | 233 | 97 | 9.1 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 3.8 | 886 | 174.19 | 27 | 3.00 | **GK87** | **8P** |
| 4.0 | 836 | 164.34 | 27 | 3.20 | **GKF87** | |
| 4.5 | 749 | 147.33 | 27 | 3.50 | **GKA87** | |
| | | | | | **GKAF87** | |
| 4.5 | 744 | 197.37 | 27 | 3.50 | **GK87** | **6P** |
| 5.1 | 657 | 174.19 | 27 | 4.00 | **GKF87** | |
| | | | | | **GKA87** | |
| | | | | | **GKAF87** | |
| 4.9 | 685 | 134.74 | 18 | 2.20 | **GK77** | **8P** |
| 5.2 | 651 | 128.00 | 18 | 2.30 | **GKF77** | |
| 5.8 | 575 | 113.10 | 19 | 2.60 | **GKA77** | |
| 6.8 | 492 | 96.66 | 19 | 3.10 | **GKAF77** | |
| 5.8 | 579 | 153.40 | 19 | 2.60 | **GK77** | **6P** |
| 6.6 | 508 | 134.74 | 19 | 2.90 | **GKF77** | |
| 7.0 | 483 | 128.00 | 19 | 3.10 | **GKA77** | |
| 7.9 | 427 | 113.10 | 19 | 3.50 | **GKAF77** | |
| 6.9 | 483 | 191.40 | 19 | 3.00 | **GK77** | **4P** |
| 7.4 | 451 | 178.64 | 19 | 3.20 | **GKF77** | |
| 8.7 | 387 | 153.40 | 19 | 3.90 | **GKA77** | |
| | | | | | **GKAF77** | |
| 6.1 | 549 | 108.03 | 11 | 1.45 | **GK67** | **8P** |
| 6.4 | 522 | 102.62 | 12 | 1.55 | **GKF67** | |
| 7.3 | 458 | 90.04 | 12 | 1.75 | **GKA67** | |
| | | | | | **GKAF67** | |
| 7.2 | 466 | 123.54 | 12 | 1.70 | **GK67** | **6P** |
| 8.2 | 407 | 108.03 | 12 | 1.95 | **GKF67** | |
| 8.7 | 387 | 102.62 | 12 | 2.00 | **GKA67** | |
| 9.9 | 340 | 90.04 | 12 | 2.30 | **GKAF67** | |
| 9.2 | 365 | 144.79 | 12 | 2.20 | **GK67** | **4P** |
| 11 | 312 | 123.54 | 12 | 2.60 | **GKF67** | |
| 12 | 273 | 108.03 | 12 | 3.00 | **GKA67** | |
| 15 | 227 | 90.04 | 12 | 3.60 | **GKAF67** | |
| 17 | 193 | 76.37 | 12 | 4.20 | | |
| 7.2 | 467 | 123.85 | 8.1 | 1.25 | | |
| 8.2 | 408 | 108.29 | 8.3 | 1.40 | **GK57** | **6P** |
| 8.7 | 388 | 102.88 | 8.4 | 1.50 | **GKF57** | |
| 9.9 | 340 | 90.26 | 8.6 | 1.70 | **GKA57** | |
| 11.6 | 289 | 76.56 | 8.8 | 2.00 | **GKAF57** | |
| 12.9 | 261 | 69.12 | 8.9 | 2.20 | | |
| 9.2 | 366 | 145.15 | 8.6 | 1.60 | | |
| 11 | 313 | 123.85 | 8.8 | 1.90 | **GK57** | **4P** |
| 12 | 273 | 108.29 | 8.9 | 2.20 | **GKF57** | |
| 13 | 260 | 102.88 | 8.9 | 2.30 | **GKA57** | |
| 15 | 228 | 90.26 | 9.1 | 2.60 | **GKAF57** | |
| 17 | 193 | 76.56 | 9.2 | 3.10 | | |
| 19 | 174 | 69.12 | 9.2 | 3.40 | | |
| 8.5 | 394 | 104.37 | 5.2 | 1.00 | **GK47** | **6P** |
| 9.8 | 343 | 90.86 | 6.2 | 1.10 | **GKF47** | |
| 10 | 321 | 85.12 | 6.4 | 1.20 | **GKA47** | |
| 12 | 284 | 75.20 | 6.7 | 1.35 | **GKAF47** | |
| 10 | 333 | 131.87 | 6.4 | 1.20 | **GK47** | **4P** |
| 11 | 307 | 121.48 | 6.6 | 1.30 | **GKF47** | |
| 13 | 263 | 104.37 | 7.0 | 1.50 | **GKA47** | |
| | | | | | **GKAF47** | |
| 15 | 229 | 90.86 | 7.2 | 1.70 | **GK47** | **4P** |
| 16 | 215 | 85.12 | 7.3 | 1.85 | **GKF47** | |
| 18 | 190 | 75.20 | 7.4 | 2.10 | **GKA47** | |
| 19 | 176 | 69.84 | 7.5 | 2.20 | **GKAF47** | |
| 21 | 160 | 63.30 | 7.6 | 2.50 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 14 | 247 | 97.81 | 2.4 | 0.80 | | |
| 16 | 211 | 83.69 | 5.2 | 0.95 | | |
| 18 | 183 | 72.54 | 5.4 | 1.10 | | |
| 20 | 171 | 67.80 | 5.3 | 1.15 | | |
| 23 | 148 | 58.60 | 5.2 | 1.35 | | |
| 27 | 126 | 49.79 | 5.1 | 1.55 | | |
| 30 | 112 | 44.46 | 5.0 | 1.75 | | |
| 35 | 96 | 37.97 | 4.8 | 2.10 | | |
| 37 | 90 | 35.57 | 4.7 | 2.20 | | |
| 44 | 76 | 29.96 | 4.6 | 2.60 | | |
| 46 | 73 | 28.83 | 4.5 | 2.70 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 53 | 63 | 24.99 | 4.4 | 3.10 | | |
| 57 | 59 | 23.36 | 4.3 | 3.30 | | |
| 66 | 51 | 20.19 | 4.1 | 3.60 | | |
| 78 | 43 | 17.15 | 4.0 | 4.10 | | |
| 87 | 39 | 15.32 | 3.8 | 4.50 | | |
| 102 | 33 | 13.08 | 3.7 | 4.90 | | |
| 110 | 31 | 12.14 | 3.6 | 5.10 | | |
| 127 | 26 | 10.49 | 3.4 | 5.90 | | |
| 149 | 22 | 8.91 | 3.3 | 7.00 | | |
| 167 | 20 | 7.96 | 3.2 | 7.60 | | |
| 196 | 17 | 6.80 | 3.0 | 8.60 | | |
| 209 | 16 | 6.37 | 3.0 | 8.90 | | |
| 248 | 14 | 5.36 | 2.8 | 10 | | |
| **0.55kW** | | | | | | |
| 0.08 | 57901 | 16978 | 162 | 0.95 | | |
| 0.10 | 48672 | 14272 | 171 | 1.10 | **GK187R97 GKA187R97** | **4P** |
| 0.11 | 44730 | 13116 | 171 | 1.20 | | |
| 0.12 | 39720 | 11647 | 171 | 1.35 | | |
| 0.19 | 25042 | 7343 | 171 | 2.10 | | |
| 0.12 | 39475 | 11575 | 135 | 0.85 | | |
| 0.14 | 35007 | 10265 | 135 | 0.95 | | |
| 0.16 | 29428 | 8629 | 135 | 1.15 | **GK167R97 GKA167R97** | **4P** |
| 0.21 | 22379 | 6562 | 135 | 1.50 | | |
| 0.26 | 18262 | 5355 | 135 | 1.85 | | |
| 0.34 | 13911 | 4079 | 135 | 2.40 | | |
| 0.20 | 23467 | 6881 | 104 | 0.75 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 0.23 | 20227 | 5931 | 106 | 0.85 | | |
| 0.39 | 12073 | 3540 | 109 | 1.50 | | |
| 0.46 | 10405 | 3051 | 110 | 1.70 | | |
| 0.31 | 15084 | 4423 | 72 | 0.90 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 0.36 | 13263 | 3889 | 75 | 1.00 | | |
| 0.42 | 11292 | 3311 | 76 | 1.15 | | |
| 0.46 | 10262 | 3009 | 77 | 1.30 | | |
| 0.53 | 8891 | 2607 | 77 | 1.50 | | |
| 0.72 | 6568 | 1926 | 78 | 2.00 | | |
| 0.79 | 5992 | 1757 | 78 | 2.20 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 0.90 | 5255 | 1541 | 78 | 2.50 | | |
| 1.0 | 4577 | 1342 | 78 | 2.85 | | |
| 1.2 | 4014 | 1177 | 78 | 3.25 | | |
| 1.4 | 3496 | 1025 | 78 | 3.80 | | |
| 0.47 | 10153 | 2977 | 62 | 0.80 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 0.54 | 8860 | 2598 | 62 | 0.90 | | |
| 0.61 | 7796 | 2286 | 62 | 1.05 | | |
| 0.72 | 6613 | 1939 | 62 | 1.20 | | |
| 0.81 | 5842 | 1713 | 62 | 1.35 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 0.89 | 5303 | 1555 | 62 | 1.50 | | |
| 1.0 | 4556 | 1336 | 62 | 1.75 | | |
| 1.2 | 3976 | 1166 | 62 | 2.00 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 1.3 | 3513 | 1030 | 62 | 2.30 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 1.5 | 3083 | 904 | 62 | 2.60 | | |
| 1.8 | 2704 | 793 | 62 | 2.95 | | |
| 2.0 | 2374 | 696 | 62 | 3.35 | | |
| 2.3 | 2094 | 614 | 62 | 3.80 | | |
| 0.97 | 4877 | 1430 | 38 | 0.90 | | |
| 1.1 | 4300 | 1261 | 38 | 1.00 | | |
| 1.3 | 3758 | 1102 | 38 | 1.15 | | |
| 1.5 | 3264 | 957 | 38 | 1.30 | | |
| 1.6 | 2916 | 855 | 38 | 1.45 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 1.9 | 2534 | 743 | 38 | 1.70 | | |
| 2.1 | 2220 | 651 | 38 | 1.95 | | |
| 2.4 | 1954 | 573 | 38 | 2.20 | | |
| 2.8 | 1719 | 504 | 38 | 2.50 | | |
| 3.2 | 1490 | 437 | 38 | 2.90 | | |
| 3.6 | 1303 | 382 | 38 | 3.30 | | |
| 4.6 | 1040 | 305 | 38 | 4.15 | | |
| 1.5 | 3243 | 951 | 25 | 0.85 | | |
| 1.7 | 2854 | 837 | 26 | 0.95 | | |
| 1.9 | 2476 | 726 | 26 | 1.10 | | |
| 2.2 | 2176 | 638 | 27 | 1.25 | | |
| 2.5 | 1917 | 562 | 27 | 1.40 | **GK87R57 GKF87R57 GKA87R57 GKAF87R57** | **4P** |
| 2.9 | 1617 | 474 | 27 | 1.65 | | |
| 3.3 | 1453 | 426 | 27 | 1.85 | | |
| 3.7 | 1272 | 373 | 27 | 2.10 | | |
| 4.2 | 1125 | 330 | 27 | 2.40 | | |
| 4.7 | 999 | 293 | 27 | 2.70 | | |
| 5.6 | 853 | 250 | 27 | 3.15 | | |
| 5.9 | 805 | 236 | 27 | 3.35 | | |
| 6.9 | 685 | 201 | 27 | 3.95 | | |
| 2.5 | 1876 | 550 | 5.5 | 0.80 | **GK77R37 GKF77R37 GKA77R37 GKAF77R37** | **4P** |
| 2.9 | 1647 | 483 | 14 | 0.95 | | |
| 3.3 | 1453 | 426 | 15 | 1.05 | | |
| 3.8 | 1248 | 366 | 16 | 1.25 | | |
| 4.3 | 1112 | 326 | 17 | 1.40 | | |
| 4.8 | 986 | 289 | 17 | 1.55 | | |
| 5.5 | 856 | 251 | 18 | 1.80 | | |
| 6.3 | 750 | 220 | 18 | 2.05 | | |
| 7.2 | 662 | 194 | 18 | 2.35 | | |
| 8.0 | 593 | 174 | 19 | 2.60 | | |
| 9.1 | 522 | 153 | 19 | 2.95 | | |
| 5.0 | 951 | 279 | 7 | 0.85 | | |
| 5.7 | 839 | 246 | 10 | 1.00 | **GK67R37 GKF67R37 GKA67R37 GKAF67R37** | **4P** |
| 6.4 | 740 | 217 | 10 | 1.10 | | |
| 7.3 | 651 | 191 | 11 | 1.25 | | |
| 8.4 | 566 | 166 | 11 | 1.45 | | |
| 9.7 | 491 | 144 | 12 | 1.65 | | |
| 11 | 416 | 122 | 12 | 1.95 | | |
| 7.2 | 655 | 192 | 4.9 | 0.90 | | |
| 8.4 | 566 | 166 | 7.5 | 1.05 | **GK57R37 GKF57R37 GKA57R37 GKAF57R37** | **4P** |
| 9.6 | 495 | 145 | 8.0 | 1.20 | | |
| 11 | 440 | 129 | 8.2 | 1.35 | | |
| 13 | 379 | 111 | 8.5 | 1.60 | | |
| 14 | 331 | 97 | 8.7 | 1.80 | | |
| 3.8 | 1317 | 174.19 | 27 | 2.00 | **GK87 GKF87 GKA87 GKAF87** | **8P** |
| 4.0 | 1242 | 164.34 | 27 | 2.10 | | |
| 4.5 | 1114 | 147.33 | 27 | 2.40 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 4.5 | 1107 | 197.37 | 27 | 2.30 | **GK87** | **6P** |
| 5.1 | 977 | 174.19 | 27 | 2.70 | **GKF87** | |
| 5.4 | 921 | 164.34 | 27 | 2.80 | **GKA87** | |
| 6.0 | 826 | 147.33 | 27 | 3.10 | **GKAF87** | |
| 4.9 | 1019 | 134.74 | 17 | 1.50 | **GK77** | **8P** |
| 5.2 | 968 | 128.00 | 17 | 1.55 | **GKF77** | |
| 5.8 | 855 | 113.10 | 18 | 1.75 | **GKA77** | |
| 6.8 | 731 | 96.66 | 18 | 2.10 | **GKAF77** | |
| 5.8 | 860 | 153.40 | 18 | 1.70 | **GK77** | **6P** |
| 6.6 | 755 | 134.74 | 18 | 1.95 | **GKF77** | |
| 7.0 | 718 | 128.00 | 18 | 2.10 | **GKA77** | |
| 7.9 | 634 | 113.10 | 18 | 2.30 | **GKAF77** | |
| 9.1 | 551 | 153.40 | 19 | 2.60 | **GK77** | **4P** |
| 10 | 484 | 134.74 | 19 | 3.00 | **GKF77** | |
| 11 | 459 | 128.00 | 19 | 3.10 | **GKA77** | |
| 12 | 406 | 113.10 | 19 | 3.50 | **GKAF77** | |
| 14 | 347 | 96.66 | 19 | 4.10 | | |
| 7.2 | 693 | 123.54 | 11 | 1.15 | **GK67** | **6P** |
| 8.2 | 606 | 108.03 | 11 | 1.30 | **GKF67** | |
| 8.7 | 575 | 102.62 | 11 | 1.35 | **GKA67** | |
| 9.9 | 505 | 90.04 | 12 | 1.55 | **GKAF67** | |
| 12 | 428 | 76.37 | 12 | 1.85 | | |
| 11 | 443 | 123.54 | 12 | 1.70 | **GK67** | **4P** |
| 13 | 388 | 108.03 | 12 | 1.95 | **GKF67** | |
| 15 | 323 | 90.04 | 12 | 2.40 | **GKA67** | |
| 18 | 274 | 76.37 | 12 | 2.80 | **GKAF67** | |
| 8.2 | 607 | 108.29 | 7.0 | 0.95 | | **6P** |
| 8.7 | 577 | 102.88 | 7.2 | 1.00 | **GK57** | |
| 9.9 | 506 | 90.26 | 7.8 | 1.15 | **GKF57** | |
| 12 | 429 | 76.56 | 8.2 | 1.35 | **GKA57** | |
| 13 | 388 | 69.12 | 8.4 | 1.50 | **GKAF57** | |
| 15 | 341 | 60.81 | 8.6 | 1.70 | | |
| 15 | 322 | 57.42 | 8.7 | 1.80 | | |
| 11 | 445 | 123.85 | 8.1 | 1.25 | | **4P** |
| 13 | 389 | 108.29 | 8.4 | 1.45 | | |
| 14 | 369 | 102.88 | 8.4 | 1.50 | **GK57** | |
| 15 | 324 | 90.26 | 8.6 | 1.70 | **GKF57** | |
| 18 | 275 | 76.56 | 8.8 | 2.00 | **GKA57** | |
| 20 | 248 | 69.12 | 8.9 | 2.20 | **GKAF57** | |
| 23 | 218 | 60.81 | 9.0 | 2.60 | | |
| 24 | 206 | 57.42 | 9.1 | 2.70 | | |
| 13 | 375 | 104.37 | 5.6 | 1.00 | **GK47** | **4P** |
| 15 | 326 | 90.86 | 6.2 | 1.15 | **GKF47** | |
| 16 | 306 | 85.12 | 6.5 | 1.50 | **GKA47** | |
| 18 | 270 | 75.20 | 6.8 | 1.40 | **GKAF47** | |
| 20 | 251 | 69.84 | 6.9 | 1.50 | | |
| 22 | 227 | 63.30 | 7.1 | 1.65 | **GK47** | **4P** |
| 24 | 204 | 56.83 | 7.3 | 1.80 | **GKF47** | |
| 28 | 176 | 48.95 | 7.4 | 2.10 | **GKA47** | |
| 30 | 165 | 46.04 | 7.5 | 2.20 | **GKAF47** | |
| 24 | 210 | 58.60 | 4.6 | 0.90 | | **4P** |
| 28 | 179 | 49.79 | 4.6 | 1.05 | | |
| 31 | 160 | 44.46 | 4.5 | 1.15 | | |
| 37 | 136 | 37.97 | 4.4 | 1.35 | **GK37** | |
| 39 | 128 | 35.57 | 4.4 | 1.45 | **GKF37** | |
| 46 | 108 | 29.96 | 4.2 | 1.75 | **GKA37** | |
| 48 | 103 | 28.83 | 4.2 | 1.80 | **GKAF37** | |
| 56 | 90 | 24.99 | 4.1 | 2.10 | | |
| 60 | 84 | 23.36 | 4.0 | 2.20 | | |
| 69 | 72 | 20.19 | 3.9 | 2.40 | | |
| 81 | 62 | 17.15 | 3.8 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 91 | 55 | 15.32 | 3.7 | 3.00 | | **4P** |
| 106 | 47 | 13.08 | 3.5 | 3.30 | | |
| 114 | 44 | 12.14 | 3.5 | 3.40 | **GK37** | |
| 133 | 38 | 10.49 | 3.3 | 4.00 | **GKF37** | |
| 156 | 32 | 8.91 | 3.2 | 4.70 | **GKA37** | |
| 175 | 29 | 7.96 | 3.1 | 5.10 | **GKAF37** | |
| 204 | 24 | 6.80 | 3.0 | 5.70 | | |
| 218 | 23 | 6.37 | 2.9 | 5.90 | | |
| 259 | 19 | 5.36 | 2.8 | 6.80 | | |
| **0.75kW** | | | | | | |
| 0.11 | 60996 | 13116 | 158 | 0.85 | | **4P** |
| 0.12 | 54164 | 11647 | 169 | 0.95 | **GK187R97** | |
| 0.19 | 34148 | 7343 | 171 | 1.50 | **GKA187R97** | |
| 0.21 | 31377 | 6747 | 171 | 1.65 | | |
| 0.23 | 27861 | 5991 | 171 | 1.90 | | |
| 0.16 | 40129 | 8629 | 135 | 0.85 | | **4P** |
| 0.21 | 30516 | 6562 | 135 | 1.10 | **GK167R97** | |
| 0.26 | 24903 | 5355 | 135 | 1.35 | **GKA167R97** | |
| 0.34 | 18969 | 4079 | 135 | 1.75 | | |
| 0.41 | 15700 | 3376 | 135 | 2.10 | | |
| 0.39 | 16463 | 3540 | 107 | 1.10 | **GK157R97** **GKF157R97** **GKA157R97** **GKAF157R97** | **4P** |
| 0.46 | 14189 | 3051 | 108 | 1.25 | | |
| 0.84 | 7715 | 1659 | 110 | 2.30 | **GK157R97** **GKF157R97** **GKA157R97** **GKAF157R97** | **4P** |
| 1.0 | 6348 | 1365 | 110 | 2.80 | | |
| 0.42 | 15398 | 3311 | 72 | 0.85 | **GK127R77** **GKF127R77** **GKA127R77** **GKAF127R77** | **4P** |
| 0.46 | 13993 | 3009 | 75 | 0.95 | | |
| 0.53 | 12124 | 2607 | 76 | 1.10 | | |
| 0.72 | 8957 | 1926 | 77 | 1.45 | | **4P** |
| 0.79 | 8171 | 1757 | 77 | 1.60 | **GK127R77** | |
| 0.90 | 7166 | 1541 | 78 | 1.85 | **GKF127R77** | |
| 1.0 | 6241 | 1342 | 78 | 2.10 | **GKA127R77** | |
| 1.2 | 5474 | 1177 | 78 | 2.40 | **GKAF127R77** | |
| 1.4 | 4767 | 1025 | 78 | 2.80 | | |
| 1.5 | 4181 | 899 | 78 | 3.20 | | |
| 0.81 | 7966 | 1713 | 62 | 1.00 | | **4P** |
| 0.89 | 7231 | 1555 | 62 | 1.10 | | |
| 1.0 | 6213 | 1336 | 62 | 1.30 | **GK107R77** | |
| 1.2 | 5422 | 1166 | 62 | 1.50 | **GKF107R77** | |
| 1.3 | 4790 | 1030 | 62 | 1.65 | **GKA107R77** | |
| 1.5 | 4204 | 904 | 62 | 1.90 | **GKAF107R77** | |
| 1.8 | 3688 | 793 | 62 | 2.15 | | |
| 2.0 | 3237 | 696 | 62 | 2.45 | | |
| 2.3 | 2855 | 614 | 62 | 2.80 | | |
| 1.3 | 5125 | 1102 | 38 | 0.85 | | **4P** |
| 1.5 | 4451 | 957 | 38 | 0.95 | | |
| 1.6 | 3976 | 855 | 38 | 1.10 | | |
| 1.9 | 3455 | 743 | 38 | 1.25 | | |
| 2.1 | 3027 | 651 | 38 | 1.40 | **GK97R57** | |
| 2.4 | 2665 | 573 | 38 | 1.60 | **GKF97R57** | |
| 2.8 | 2344 | 504 | 38 | 1.85 | **GKA97R57** | |
| 3.2 | 2032 | 437 | 38 | 2.10 | **GKAF97R57** | |
| 3.6 | 1776 | 382 | 38 | 2.40 | | |
| 4.6 | 1418 | 305 | 38 | 3.05 | | |
| 5.4 | 1200 | 258 | 38 | 3.60 | | |
| 6.0 | 1079 | 232 | 38 | 4.00 | | |
| 7.0 | 925 | 199 | 38 | 4.65 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 1.9 | 3376 | 726 | 25 | 0.80 | **GK87R57 GKF87R57 GKA87R57 GKAF87R57** | **4P** |
| 2.2 | 2967 | 638 | 26 | 0.90 | | |
| 2.5 | 2614 | 562 | 26 | 1.05 | | |
| 2.9 | 2204 | 474 | 27 | 1.25 | | |
| 3.3 | 1981 | 426 | 27 | 1.35 | | |
| 3.7 | 1735 | 373 | 27 | 1.55 | | |
| 4.2 | 1535 | 330 | 27 | 1.75 | | |
| 4.7 | 1363 | 293 | 27 | 2.00 | | |
| 5.6 | 1163 | 250 | 27 | 2.30 | | |
| 5.9 | 1098 | 236 | 27 | 2.45 | | |
| 6.9 | 935 | 201 | 27 | 2.90 | | |
| 3.8 | 1702 | 366 | 13 | 0.90 | **GK77R37 GKF77R37 GKA77R37 GKAF77R37** | **4P** |
| 4.3 | 1516 | 326 | 15 | 1.00 | | |
| 4.8 | 1344 | 289 | 16 | 1.15 | | |
| 5.5 | 1167 | 251 | 17 | 1.30 | | |
| 6.3 | 1023 | 220 | 17 | 1.50 | | |
| 3.9 | 1736 | 176.05 | 38 | 2.30 | **GK97 GKF97 GKA97 GKAF97** | **8P** |
| 4.5 | 1511 | 153.21 | 38 | 2.70 | | |
| 4.9 | 1383 | 140.28 | 38 | 3.00 | | |
| 4.7 | 1453 | 147.33 | 27 | 1.75 | **GK87 GKF87 GKA87 GKAF87** | **8P** |
| 5.4 | 1252 | 126.91 | 27 | 2.00 | | |
| 6.0 | 1142 | 115.82 | 27 | 2.20 | | |
| 6.7 | 1013 | 102.71 | 27 | 2.50 | | |
| 5.2 | 1302 | 174.19 | 27 | 1.95 | **GK87 GKF87 GKA87 GKAF87** | **6P** |
| 5.5 | 1229 | 164.34 | 27 | 2.10 | | |
| 6.2 | 1102 | 147.33 | 27 | 2.30 | | |
| 7.2 | 949 | 126.91 | 27 | 2.70 | | |
| 7.0 | 966 | 197.37 | 27 | 2.60 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 8.0 | 853 | 174.19 | 27 | 3.00 | | |
| 8.5 | 804 | 164.34 | 27 | 3.20 | | |
| 9.4 | 721 | 147.33 | 27 | 3.50 | | |
| 6.8 | 1007 | 134.74 | 17 | 1.45 | **GK77 GKF77 GKA77 GKAF77** | **6P** |
| 7.1 | 957 | 128.00 | 17 | 1.50 | | |
| 8.0 | 846 | 113.10 | 18 | 1.70 | | |
| 9.4 | 723 | 96.66 | 18 | 2.00 | | |
| 10 | 663 | 88.61 | 18 | 2.20 | | |
| 9.1 | 751 | 153.40 | 18 | 1.95 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 10 | 660 | 134.74 | 18 | 2.20 | | |
| 11 | 627 | 128.00 | 18 | 2.30 | | |
| 12 | 554 | 113.10 | 19 | 2.60 | | |
| 14 | 473 | 96.66 | 19 | 3.10 | | |
| 11 | 605 | 123.54 | 11 | 1.30 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 13 | 529 | 108.03 | 11 | 1.45 | | |
| 15 | 441 | 90.04 | 12 | 1.75 | | |
| 18 | 374 | 76.37 | 12 | 2.10 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 20 | 338 | 68.95 | 12 | 2.30 | | |
| 23 | 297 | 60.66 | 12 | 2.60 | | |
| 24 | 280 | 57.28 | 12 | 2.80 | | |
| 11 | 606 | 123.85 | 6.8 | 0.95 | | |
| 13 | 530 | 108.29 | 7.5 | 1.05 | | |
| 14 | 504 | 102.88 | 7.8 | 1.10 | | |
| 15 | 442 | 90.26 | 8.1 | 1.30 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 18 | 375 | 76.56 | 8.4 | 1.50 | | |
| 20 | 338 | 69.12 | 8.6 | 1.65 | | |
| 23 | 298 | 60.81 | 8.8 | 1.90 | | |
| 24 | 281 | 57.42 | 8.8 | 2.00 | | |
| 28 | 239 | 48.89 | 9.0 | 2.40 | | |
| 31 | 217 | 44.43 | 9.1 | 2.60 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 18 | 368 | 75.20 | 5.8 | 1.00 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 20 | 342 | 69.84 | 6.1 | 1.10 | | |
| 22 | 310 | 63.30 | 6.5 | 1.20 | | |
| 24 | 278 | 56.83 | 6.8 | 1.35 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 28 | 240 | 48.95 | 7.1 | 1.55 | | |
| 30 | 225 | 46.04 | 7.2 | 1.65 | | |
| 35 | 194 | 39.61 | 7.4 | 1.95 | | |
| 39 | 173 | 35.39 | 7.4 | 2.20 | | |
| 44 | 153 | 31.30 | 7.2 | 2.50 | | |
| 31 | 218 | 44.46 | 4.0 | 0.85 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 37 | 186 | 37.97 | 3.9 | 1.00 | | |
| 39 | 174 | 35.57 | 3.9 | 1.10 | | |
| 46 | 147 | 29.96 | 3.9 | 1.30 | | |
| 48 | 141 | 28.83 | 3.9 | 1.35 | | |
| 56 | 122 | 24.99 | 3.8 | 1.55 | | |
| 60 | 114 | 23.36 | 3.8 | 1.60 | | |
| 69 | 99 | 20.19 | 3.7 | 1.75 | | |
| 81 | 84 | 17.15 | 3.6 | 2.00 | | |
| 91 | 75 | 15.32 | 3.5 | 2.20 | | |
| 106 | 64 | 13.08 | 3.4 | 2.40 | | |
| 114 | 59 | 12.14 | 3.3 | 2.50 | | |
| 133 | 51 | 10.49 | 3.2 | 2.90 | | |
| 156 | 44 | 8.91 | 3.1 | 3.50 | | |
| 175 | 39 | 7.96 | 3.0 | 3.80 | | |
| 204 | 33 | 6.80 | 2.9 | 4.20 | | |
| 218 | 31 | 6.37 | 2.8 | 4.40 | | |
| 259 | 26 | 5.36 | 2.7 | 5.00 | | |
| **1.1kW** | | | | | | |
| 0.15 | 63406 | 9363 | 154 | 0.80 | **GK187R97 GKA187R97** | **4P** |
| 0.17 | 55029 | 8126 | 167 | 0.95 | | |
| 0.19 | 49727 | 7343 | 171 | 1.05 | | |
| 0.21 | 45691 | 6747 | 171 | 1.15 | | |
| 0.23 | 40571 | 5991 | 171 | 1.30 | | |
| 0.26 | 36284 | 5358 | 171 | 1.45 | | |
| 0.29 | 32621 | 4817 | 171 | 1.60 | | |
| 0.32 | 29594 | 4370 | 171 | 1.75 | | |
| 0.26 | 36264 | 5355 | 135 | 0.90 | **GK167R97 GKA167R97** | **4P** |
| 0.29 | 32424 | 4788 | 135 | 1.05 | | |
| 0.34 | 27623 | 4079 | 135 | 1.20 | | |
| 0.41 | 22862 | 3376 | 135 | 1.45 | | |
| 0.51 | 18657 | 2755 | 135 | 1.80 | | |
| 0.64 | 14776 | 2182 | 135 | 2.20 | **GK167R97 GKA167R97** | **4P** |
| 0.82 | 11539 | 1704 | 135 | 2.80 | | |
| 0.99 | 9535 | 1408 | 135 | 3.40 | | |
| 1.08 | 8776 | 1296 | 135 | 3.70 | | |
| 0.40 | 23973 | 3540 | 104 | 0.75 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 0.46 | 20661 | 3051 | 106 | 0.85 | | |
| 0.54 | 17675 | 2610 | 107 | 1.00 | | |
| 0.60 | 15731 | 2323 | 108 | 1.15 | | |
| 0.84 | 11235 | 1659 | 109 | 1.60 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 1.0 | 9244 | 1365 | 110 | 1.95 | | |
| 1.1 | 8323 | 1229 | 110 | 2.15 | | |
| 1.3 | 7402 | 1093 | 110 | 2.40 | | |
| 1.5 | 6379 | 942 | 110 | 2.75 | | |
| 1.6 | 5776 | 853 | 110 | 3.05 | | |
| 0.73 | 13043 | 1926 | 75 | 1.00 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 0.80 | 11898 | 1757 | 76 | 1.10 | | |
| 0.91 | 10436 | 1541 | 76 | 1.25 | | |
| 1.0 | 9088 | 1342 | 77 | 1.45 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 1.2 | 7971 | 1177 | 77 | 1.65 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 1.4 | 6941 | 1025 | 78 | 1.90 | | |
| 1.6 | 6088 | 899 | 78 | 2.20 | | |
| 1.8 | 5350 | 790 | 78 | 2.45 | | |
| 2.0 | 4767 | 704 | 78 | 2.75 | | |
| 2.3 | 4131 | 610 | 78 | 3.20 | | |
| 2.6 | 3718 | 549 | 78 | 3.50 | | |
| 2.9 | 3230 | 477 | 78 | 4.05 | | |
| 1.2 | 7896 | 1166 | 62 | 1.00 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 1.4 | 6975 | 1030 | 62 | 1.15 | | |
| 1.5 | 6122 | 904 | 62 | 1.30 | | |
| 1.8 | 5370 | 793 | 62 | 1.50 | | |
| 2.0 | 4713 | 696 | 62 | 1.70 | | |
| 2.3 | 4158 | 614 | 62 | 1.90 | | |
| 2.7 | 3535 | 522 | 62 | 2.25 | | |
| 3.0 | 3122 | 461 | 62 | 2.55 | | |
| 3.4 | 2763 | 408 | 62 | 2.90 | | |
| 3.8 | 2465 | 364 | 62 | 3.25 | | |
| 4.4 | 2153 | 318 | 62 | 3.70 | | |
| 1.9 | 5032 | 743 | 38 | 0.85 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 2.2 | 4409 | 651 | 38 | 0.95 | | |
| 2.4 | 3880 | 573 | 38 | 1.10 | | |
| 2.8 | 3413 | 504 | 38 | 1.25 | | |
| 3.2 | 2959 | 437 | 38 | 1.45 | | |
| 3.7 | 2587 | 382 | 38 | 1.65 | | |
| 4.1 | 2316 | 342 | 38 | 1.85 | | |
| 3.0 | 3210 | 474 | 25 | 0.85 | **GK87R57 GKF87R57 GKA87R57 GKAF87R57** | **4P** |
| 3.3 | 2885 | 426 | 26 | 0.95 | | |
| 3.8 | 2526 | 373 | 26 | 1.05 | | |
| 4.2 | 2235 | 330 | 26 | 1.20 | | |
| 4.8 | 1984 | 293 | 27 | 1.35 | | |
| 5.6 | 1693 | 250 | 27 | 1.60 | | |
| 5.9 | 1598 | 236 | 27 | 1.70 | | |
| 7.0 | 1361 | 201 | 27 | 2.00 | | |
| 3.9 | 2546 | 176.05 | 38 | 1.60 | **GK97 GKF97 GKA97 GKAF97** | **8P** |
| 4.5 | 2216 | 153.21 | 38 | 1.80 | | |
| 4.9 | 2029 | 140.28 | 38 | 2.00 | | |
| 5.6 | 1792 | 123.93 | 38 | 2.20 | | |
| 5.2 | 1931 | 176.05 | 38 | 2.10 | **GK97 GKF97 GKA97 GKAF97** | **6P** |
| 5.9 | 1680 | 153.21 | 38 | 2.50 | | |
| 6.5 | 1538 | 140.28 | 38 | 2.70 | | |
| 7.3 | 1359 | 123.93 | 38 | 3.00 | | |
| 8.0 | 1255 | 176.05 | 38 | 3.30 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 9.1 | 1092 | 153.21 | 38 | 3.70 | | |
| 10 | 1000 | 140.28 | 38 | 4.10 | | |
| 5.2 | 1910 | 174.19 | 27 | 1.35 | **GK87 GKF87 GKA87 GKAF87** | **6P** |
| 5.5 | 1802 | 164.34 | 27 | 1.45 | | |
| 6.2 | 1616 | 147.33 | 27 | 1.60 | | |
| 7.2 | 1392 | 126.91 | 27 | 1.85 | | |
| 8.0 | 1242 | 174.19 | 27 | 2.10 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 8.5 | 1171 | 164.34 | 27 | 2.20 | | |
| 9.5 | 1050 | 147.33 | 27 | 2.40 | | |
| 11 | 905 | 126.91 | 27 | 2.80 | | |
| 12 | 826 | 115.82 | 27 | 3.10 | | |
| 6.8 | 1478 | 134.74 | 15 | 1.00 | **GK77 GKF77 GKA77 GKAF77** | **6P** |
| 7.1 | 1404 | 128.00 | 15 | 1.05 | | |
| 8.0 | 1240 | 113.10 | 16 | 1.20 | | |
| 9.4 | 1060 | 96.66 | 17 | 1.40 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 10 | 960 | 134.74 | 17 | 1.55 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 11 | 912 | 128.00 | 17 | 1.60 | | |
| 12 | 806 | 113.10 | 18 | 1.80 | | |
| 14 | 689 | 96.66 | 18 | 2.10 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 16 | 632 | 88.61 | 18 | 2.30 | | |
| 18 | 554 | 77.76 | 19 | 2.70 | | |
| 19 | 525 | 73.69 | 19 | 2.80 | | |
| 13 | 770 | 108.03 | 10 | 1.00 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 14 | 732 | 102.62 | 10 | 1.05 | | |
| 16 | 642 | 90.04 | 11 | 1.20 | | |
| 18 | 544 | 76.37 | 11 | 1.45 | | |
| 20 | 492 | 68.95 | 12 | 1.60 | | |
| 23 | 432 | 60.66 | 12 | 1.80 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 24 | 408 | 57.28 | 12 | 1.90 | | |
| 29 | 348 | 48.77 | 12 | 2.20 | | |
| 32 | 316 | 44.32 | 12 | 2.50 | | |
| 36 | 274 | 38.39 | 12 | 2.80 | | |
| 16 | 643 | 90.26 | 2.3 | 0.90 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 18 | 546 | 76.56 | 7.4 | 1.05 | | |
| 20 | 493 | 69.12 | 7.9 | 1.15 | | |
| 23 | 433 | 60.81 | 8.2 | 1.30 | | |
| 24 | 409 | 57.42 | 8.3 | 1.40 | | |
| 29 | 349 | 48.89 | 8.6 | 1.65 | | |
| 32 | 317 | 44.43 | 8.7 | 1.80 | | |
| 36 | 274 | 38.49 | 8.9 | 2.10 | | |
| 39 | 254 | 35.70 | 8.9 | 2.20 | | |
| 46 | 216 | 30.28 | 9.1 | 2.60 | | |
| 51 | 195 | 27.34 | 9.0 | 2.90 | | |
| 58 | 171 | 24.05 | 8.8 | 3.30 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 62 | 162 | 22.71 | 8.6 | 3.50 | | |
| 72 | 138 | 19.34 | 8.3 | 4.00 | | |
| 80 | 125 | 17.57 | 8.1 | 4.20 | | |
| 92 | 108 | 15.22 | 7.8 | 4.70 | | |
| 106 | 94 | 13.25 | 7.5 | 5.10 | | |
| 117 | 85 | 11.92 | 7.2 | 4.60 | | |
| 124 | 80 | 11.26 | 7.1 | 4.90 | | |
| 146 | 68 | 9.59 | 6.8 | 5.60 | | |
| 161 | 62 | 8.71 | 6.6 | 6.00 | | |
| 185 | 54 | 7.55 | 6.3 | 6.40 | | |
| 213 | 47 | 6.57 | 6.1 | 7.00 | | |
| 25 | 405 | 56.83 | 3.1 | 0.95 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 29 | 349 | 48.95 | 6.0 | 1.10 | | |
| 30 | 328 | 46.04 | 6.3 | 1.15 | | |
| 35 | 282 | 39.61 | 6.7 | 1.35 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 40 | 252 | 35.39 | 6.7 | 1.50 | | |
| 45 | 223 | 31.30 | 6.6 | 1.70 | | |
| 48 | 209 | 29.32 | 6.5 | 1.80 | | |
| 54 | 185 | 25.91 | 6.4 | 2.10 | | |
| 64 | 155 | 21.81 | 6.2 | 2.40 | | |
| 72 | 140 | 19.58 | 6.0 | 2.70 | | |
| 47 | 214 | 29.96 | 3.2 | 0.90 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 56 | 178 | 24.99 | 3.3 | 1.05 | | |
| 60 | 167 | 23.36 | 3.3 | 1.10 | | |
| 69 | 144 | 20.19 | 3.2 | 1.20 | | |
| 82 | 122 | 17.15 | 3.2 | 1.40 | | |
| 91 | 109 | 15.32 | 3.2 | 1.50 | | |
| 107 | 93 | 13.08 | 3.1 | 1.70 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 115 | 87 | 12.14 | 3.1 | 1.75 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 133 | 75 | 10.49 | 3.0 | 2.00 | | |
| 157 | 64 | 8.91 | 2.9 | 2.40 | | |
| 176 | 57 | 7.96 | 2.8 | 2.60 | | |
| 206 | 48 | 6.80 | 2.7 | 2.90 | | |
| 220 | 45 | 6.37 | 2.7 | 3.00 | | |
| 261 | 38 | 5.36 | 2.6 | 3.50 | | |
| **1.5kW** | | | | | | |
| 0.21 | 62305 | 6747 | 154 | 0.80 | **GK187R97 GKA187R97** | **4P** |
| 0.23 | 55324 | 5991 | 165 | 0.95 | | |
| 0.26 | 49478 | 5358 | 171 | 1.05 | | |
| 0.29 | 44483 | 4817 | 171 | 1.15 | | |
| 0.32 | 40355 | 4370 | 171 | 1.30 | | |
| 0.39 | 33327 | 3609 | 171 | 1.50 | **GK187R97 GKA187R97** | **4P** |
| 0.46 | 28276 | 3062 | 171 | 1.80 | | |
| 0.56 | 23262 | 2519 | 171 | 2.20 | | |
| 0.62 | 20944 | 2268 | 171 | 2.50 | | |
| 0.34 | 37668 | 4079 | 135 | 0.85 | **GK167R97 GKA167R97** | **4P** |
| 0.41 | 31176 | 3376 | 135 | 1.05 | | |
| 0.51 | 25441 | 2755 | 135 | 1.30 | | |
| 0.64 | 20150 | 2182 | 135 | 1.60 | **GK167R97 GKA167R97** | **4P** |
| 0.82 | 15736 | 1704 | 135 | 2.10 | | |
| 0.99 | 13002 | 1408 | 135 | 2.50 | | |
| 1.08 | 11968 | 1296 | 135 | 2.70 | | |
| 0.60 | 21452 | 2323 | 105 | 0.80 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 0.84 | 15320 | 1659 | 108 | 1.10 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 1.0 | 12605 | 1365 | 109 | 1.35 | | |
| 1.1 | 11349 | 1229 | 109 | 1.50 | | |
| 1.3 | 10093 | 1093 | 110 | 1.70 | | |
| 1.5 | 8699 | 942 | 110 | 1.95 | | |
| 1.6 | 7877 | 853 | 110 | 2.15 | | |
| 2.5 | 5236 | 567 | 110 | 3.25 | | |
| 2.8 | 4654 | 504 | 111 | 3.65 | | |
| 2.6 | 4977 | 539 | 78 | 2.50 | **GK127R87 GKF127R87 GKA127R87 GKAF127R87** | **4P** |
| 3.3 | 3878 | 420 | 78 | 3.15 | | |
| 3.8 | 3398 | 368 | 78 | 3.65 | | |
| 0.80 | 16225 | 1757 | 70 | 0.80 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 0.91 | 14230 | 1541 | 74 | 0.90 | | |
| 1.0 | 12393 | 1342 | 76 | 1.05 | | |
| 1.2 | 10869 | 1177 | 76 | 1.20 | | |
| 1.4 | 9465 | 1025 | 77 | 1.40 | | |
| 1.6 | 8302 | 899 | 77 | 1.60 | | |
| 1.8 | 7295 | 790 | 78 | 1.80 | | |
| 2.0 | 6501 | 704 | 78 | 2.00 | | |
| 2.3 | 5633 | 610 | 78 | 2.35 | | |
| 2.6 | 5070 | 549 | 78 | 2.55 | | |
| 2.9 | 4405 | 477 | 78 | 3.00 | | |
| 3.3 | 3869 | 419 | 78 | 3.45 | | |
| 1.4 | 9512 | 1030 | 62 | 0.85 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 1.5 | 8348 | 904 | 62 | 0.95 | | |
| 1.8 | 7323 | 793 | 62 | 1.10 | | |
| 2.0 | 6427 | 696 | 62 | 1.25 | | |
| 2.3 | 5670 | 614 | 62 | 1.40 | | |
| 2.7 | 4820 | 522 | 62 | 1.65 | | |
| 3.0 | 4257 | 461 | 62 | 1.90 | | |
| 3.4 | 3768 | 408 | 62 | 2.10 | | |
| 3.8 | 3361 | 364 | 62 | 2.40 | | |
| 4.4 | 2937 | 318 | 62 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 2.4 | 5291 | 573 | 38 | 0.80 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 2.8 | 4654 | 504 | 38 | 0.90 | | |
| 3.2 | 4035 | 437 | 38 | 1.05 | | |
| 3.7 | 3528 | 382 | 38 | 1.20 | | |
| 4.1 | 3158 | 342 | 38 | 1.35 | | |
| 4.6 | 2817 | 305 | 38 | 1.55 | | |
| 5.4 | 2383 | 258 | 38 | 1.80 | | |
| 6.0 | 2142 | 232 | 38 | 2.00 | | |
| 7.0 | 1838 | 199 | 38 | 2.35 | | |
| 4.2 | 3047 | 330 | 25 | 0.90 | **GK87R57 GKF87R57 GKA87R57 GKAF87R57** | **4P** |
| 4.8 | 2706 | 293 | 26 | 1.00 | | |
| 5.6 | 2309 | 250 | 26 | 1.15 | | |
| 5.9 | 2179 | 236 | 27 | 1.25 | | |
| 7.0 | 1856 | 201 | 62 | 1.45 | | |
| 7.7 | 1690 | 183 | 27 | 1.60 | | |
| 4.7 | 2871 | 143.47 | 62 | 2.70 | **GK107 GKF107 GKA107 GKAF107** | **8P** |
| 5.6 | 2431 | 121.46 | 62 | 3.20 | | |
| 6.0 | 2250 | 112.41 | 62 | 3.50 | | |
| 4.4 | 3066 | 153.21 | 38 | 1.35 | **GK97 GKF97 GKA97 GKAF97** | **8P** |
| 4.8 | 2807 | 140.28 | 38 | 1.50 | | |
| 5.5 | 2480 | 123.93 | 38 | 1.70 | | |
| 5.3 | 2549 | 176.05 | 38 | 1.55 | **GK97 GKF97 GKA97 GKAF97** | **6P** |
| 6.1 | 2218 | 153.21 | 38 | 1.80 | | |
| 6.7 | 2031 | 140.28 | 38 | 1.95 | | |
| 7.6 | 1794 | 123.93 | 38 | 2.20 | | |
| 8.0 | 1711 | 176.05 | 38 | 2.40 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 9.1 | 1489 | 153.21 | 38 | 2.80 | | |
| 10 | 1364 | 140.28 | 38 | 3.00 | | |
| 11 | 1205 | 123.93 | 38 | 3.40 | | |
| 6.4 | 2133 | 147.33 | 26 | 1.20 | **GK87 GKF87 GKA87 GKAF87** | **6P** |
| 7.4 | 1837 | 126.91 | 27 | 1.35 | | |
| 8.1 | 1677 | 115.82 | 27 | 1.50 | | |
| 9.2 | 1487 | 102.71 | 27 | 1.70 | | |
| 8.0 | 1693 | 174.19 | 27 | 1.55 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 8.5 | 1597 | 164.34 | 27 | 1.60 | | |
| 9.5 | 1432 | 147.33 | 27 | 1.80 | | |
| 11 | 1234 | 126.91 | 27 | 2.10 | | |
| 12 | 1126 | 115.82 | 27 | 2.30 | | |
| 14 | 998 | 102.71 | 27 | 2.60 | | |
| 16 | 839 | 86.34 | 27 | 3.10 | | |
| 8.3 | 1637 | 113.10 | 13 | 0.90 | **GK77 GKF77 GKA77 GKAF77** | **6P** |
| 9.7 | 1399 | 96.66 | 15 | 1.05 | | |
| 11 | 1283 | 88.61 | 16 | 1.10 | | |
| 12 | 1126 | 77.76 | 17 | 1.30 | | |
| 10 | 1310 | 134.74 | 16 | 1.15 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 11 | 1244 | 128.00 | 16 | 1.20 | | |
| 12 | 1099 | 113.10 | 17 | 1.35 | | |
| 14 | 940 | 96.66 | 17 | 1.55 | | |
| 16 | 861 | 88.61 | 18 | 1.70 | | |
| 18 | 756 | 77.76 | 18 | 1.95 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 19 | 716 | 73.69 | 18 | 2.10 | | |
| 22 | 627 | 64.49 | 18 | 2.40 | | |
| 24 | 565 | 58.10 | 19 | 2.60 | | |
| 27 | 495 | 50.97 | 19 | 3.00 | | |
| 31 | 437 | 44.98 | 19 | 3.40 | | |
| 35 | 388 | 39.88 | 19 | 3.80 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 16 | 875 | 90.04 | 8.9 | 0.90 | | |
| 18 | 742 | 76.37 | 10 | 1.05 | **GK67** | |
| 20 | 670 | 68.95 | 11 | 1.15 | **GKF67** | **4P** |
| 23 | 590 | 60.66 | 11 | 1.35 | **GKA67** | |
| 24 | 557 | 57.28 | 11 | 1.40 | **GKAF67** | |
| 29 | 474 | 48.77 | 12 | 1.65 | | |
| 32 | 431 | 44.32 | 12 | 1.80 | | |
| 36 | 373 | 38.39 | 12 | 2.00 | **GK67** | |
| 39 | 346 | 35.61 | 12 | 2.30 | **GKF67** | **4P** |
| 46 | 294 | 30.21 | 12 | 2.70 | **GKA67** | |
| 51 | 265 | 27.27 | 12 | 3.00 | **GKAF67** | |
| 58 | 233 | 23.99 | 12 | 3.30 | | |
| 23 | 591 | 60.81 | 7.1 | 0.95 | **GK57** | |
| 24 | 558 | 57.42 | 7.4 | 1.05 | **GKF57** | **4P** |
| 29 | 475 | 48.89 | 8.0 | 1.20 | **GKA57** | |
| 32 | 432 | 44.43 | 8.2 | 1.35 | **GKAF57** | |
| 36 | 374 | 38.49 | 8.5 | 1.55 | | |
| 39 | 347 | 35.70 | 8.6 | 1.65 | **GK57** | |
| 46 | 294 | 30.28 | 8.7 | 1.95 | **GKF57** | **4P** |
| 51 | 266 | 27.34 | 8.6 | 2.20 | **GKA57** | |
| 58 | 234 | 24.05 | 8.3 | 2.50 | **GKAF57** | |
| 62 | 221 | 22.71 | 8.2 | 2.60 | | |
| 72 | 188 | 19.34 | 7.9 | 2.90 | | |
| 35 | 385 | 39.61 | 5.6 | 1.00 | **GK47** | |
| 40 | 344 | 35.39 | 6.0 | 1.10 | **GKF47** | **4P** |
| 45 | 304 | 31.30 | 6.0 | 1.25 | **GKA47** | |
| | | | | | **GKAF47** | |
| 48 | 285 | 29.32 | 6.0 | 1.35 | | |
| 54 | 252 | 25.91 | 5.9 | 1.50 | | |
| 64 | 212 | 21.81 | 5.7 | 1.80 | **GK47** | |
| 72 | 190 | 19.58 | 5.7 | 2.00 | **GKF47** | |
| 83 | 164 | 16.86 | 5.5 | 2.20 | **GKA47** | **4P** |
| 88 | 154 | 15.86 | 5.4 | 2.40 | **GKAF47** | |
| 103 | 133 | 13.65 | 5.3 | 2.60 | | |
| 115 | 118 | 12.19 | 5.2 | 2.80 | | |
| 119 | 114 | 11.77 | 5.1 | 2.30 | | |
| 60 | 227 | 23.36 | 2.7 | 0.80 | | |
| 69 | 196 | 20.19 | 2.8 | 0.90 | | |
| 82 | 167 | 17.15 | 2.8 | 1.05 | | |
| 91 | 149 | 15.32 | 2.8 | 1.10 | | |
| 107 | 127 | 13.08 | 2.8 | 1.25 | **GK37** | |
| 115 | 118 | 12.14 | 2.8 | 1.30 | **GKF37** | |
| 133 | 102 | 10.49 | 2.7 | 1.50 | **GKA37** | **4P** |
| 157 | 87 | 8.91 | 2.7 | 1.75 | **GKAF37** | |
| 176 | 77 | 7.96 | 2.6 | 1.90 | | |
| 206 | 66 | 6.80 | 2.6 | 2.20 | | |
| 220 | 62 | 6.37 | 2.5 | 2.20 | | |
| 261 | 52 | 5.36 | 2.5 | 2.60 | | |
| **2.2kW** | | | | | | |
| 0.33 | 57945 | 4370 | 158 | 0.85 | **GK187R97** | **4P** |
| 0.51 | 37366 | 2818 | 171 | 1.35 | **GKA187R97** | |
| 0.40 | 47855 | 3609 | 171 | 1.00 | | |
| 0.47 | 40602 | 3062 | 171 | 1.20 | | |
| 0.57 | 33401 | 2519 | 171 | 1.50 | **GK187R97** | |
| 0.63 | 30073 | 2268 | 171 | 1.65 | **GKA187R97** | **4P** |
| 0.70 | 27236 | 2054 | 171 | 1.80 | | |
| 0.79 | 24146 | 1821 | 171 | 2.10 | | |
| 0.89 | 21282 | 1605 | 171 | 2.30 | | |
| 0.52 | 36531 | 2755 | 135 | 0.85 | **GK167R97** | **4P** |
| 0.63 | 30020 | 2264 | 135 | 1.05 | **GKA167R97** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 0.66 | 28933 | 2182 | 135 | 1.10 | | |
| 0.84 | 22595 | 1704 | 135 | 1.40 | | |
| 1.02 | 18670 | 1408 | 135 | 1.70 | **GK167R97** | **4P** |
| 1.10 | 17185 | 1296 | 135 | 1.85 | **GKA167R97** | |
| 1.30 | 14599 | 1101 | 135 | 2.20 | | |
| 1.51 | 12517 | 944 | 135 | 2.50 | | |
| 0.86 | 21998 | 1659 | 104 | 0.80 | | |
| 1.0 | 18100 | 1365 | 106 | 1.00 | **GK157R97** | |
| 1.2 | 16296 | 1229 | 107 | 1.10 | **GKF157R97** | |
| 1.3 | 14493 | 1093 | 108 | 1.20 | **GKA157R97** | **4P** |
| 1.5 | 12491 | 942 | 109 | 1.40 | **GKAF157R97** | |
| 1.7 | 11311 | 853 | 109 | 1.55 | | |
| 1.9 | 10024 | 756 | 110 | 1.80 | | |
| 2.7 | 7147 | 539 | 78 | 1.80 | **GK127R87** | |
| 3.0 | 6312 | 476 | 78 | 2.05 | **GKF127R87** | |
| 3.4 | 5569 | 420 | 78 | 2.30 | **GKA127R87** | **4P** |
| 3.9 | 4880 | 368 | 78 | 2.65 | **GKAF127R87** | |
| 4.3 | 4389 | 331 | 78 | 2.95 | | |
| 1.4 | 13591 | 1025 | 74 | 0.95 | | |
| 1.6 | 11921 | 899 | 76 | 1.10 | | |
| 1.8 | 10475 | 790 | 76 | 1.25 | **GK127R77** | |
| 2.0 | 9335 | 704 | 77 | 1.40 | **GKF127R77** | |
| 2.3 | 8088 | 610 | 77 | 1.60 | **GKA127R77** | **4P** |
| 2.6 | 7280 | 549 | 78 | 1.80 | **GKAF127R77** | |
| 3.0 | 6325 | 477 | 78 | 2.05 | | |
| 3.4 | 5556 | 419 | 78 | 2.35 | | |
| 2.3 | 8142 | 614 | 62 | 1.00 | | |
| 2.7 | 6922 | 522 | 62 | 1.15 | | |
| 3.1 | 6113 | 461 | 62 | 1.30 | **GK107R77** | |
| 3.5 | 5410 | 408 | 62 | 1.45 | **GKF107R77** | **4P** |
| 3.9 | 4827 | 364 | 62 | 1.65 | **GKA107R77** | |
| 4.5 | 4217 | 318 | 62 | 1.90 | **GKAF107R77** | |
| 5.0 | 3792 | 286 | 62 | 2.10 | | |
| 5.7 | 3328 | 251 | 62 | 2.40 | | |
| 3.7 | 5065 | 382 | 38 | 0.85 | | |
| 4.2 | 4535 | 342 | 38 | 0.95 | **GK97R57** | |
| 4.7 | 4044 | 305 | 38 | 1.05 | **GKF97R57** | **4P** |
| 5.5 | 3421 | 258 | 38 | 1.25 | **GKA97R57** | |
| 6.2 | 3076 | 232 | 38 | 1.40 | **GKAF97R57** | |
| 7.2 | 2639 | 199 | 38 | 1.60 | | |
| 4.9 | 4033 | 143.47 | 62 | 1.85 | **GK107** | |
| 5.8 | 3414 | 121.46 | 62 | 2.20 | **GKF107** | **8P** |
| 6.3 | 3160 | 112.41 | 62 | 2.40 | **GKA107** | |
| 7.0 | 2832 | 100.75 | 62 | 2.70 | **GKAF107** | |
| 6.1 | 3253 | 153.21 | 38 | 1.25 | **GK97** | |
| 6.7 | 2979 | 140.28 | 38 | 1.35 | **GKF97** | **6P** |
| 7.6 | 2631 | 123.93 | 38 | 1.55 | **GKA97** | |
| 8.9 | 2232 | 105.13 | 38 | 1.85 | **GKAF97** | |
| 8.1 | 2457 | 176.05 | 38 | 1.65 | **GK97** | |
| 9.3 | 2138 | 153.21 | 38 | 1.90 | **GKF97** | **4P** |
| 10 | 1958 | 140.28 | 38 | 2.10 | **GKA97** | |
| 12 | 1730 | 123.93 | 38 | 2.30 | **GKAF97** | |
| 14 | 1467 | 105.13 | 38 | 2.80 | **GK97** | |
| 15 | 1351 | 96.80 | 38 | 3.00 | **GKF97** **GKA97** **GKAF97** | **4P** |
| 9.7 | 2056 | 147.33 | 27 | 1.25 | **GK87** | |
| 11 | 1771 | 126.91 | 27 | 1.45 | **GKF87** | **4P** |
| 12 | 1617 | 115.82 | 27 | 1.55 | **GKA87** **GKAF87** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 14 | 1434 | 102.71 | 27 | 1.75 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 17 | 1205 | 86.34 | 27 | 2.10 | | |
| 18 | 1107 | 79.34 | 27 | 2.30 | | |
| 20 | 983 | 70.46 | 27 | 2.60 | | |
| 23 | 879 | 63.00 | 27 | 2.90 | | |
| 13 | 1579 | 113.10 | 14 | 0.90 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 15 | 1349 | 96.66 | 15 | 1.05 | | |
| 16 | 1237 | 88.61 | 16 | 1.15 | | |
| 18 | 1085 | 77.76 | 17 | 1.35 | | |
| 19 | 1029 | 73.69 | 17 | 1.40 | | |
| 22 | 900 | 64.49 | 17 | 1.60 | | |
| 25 | 811 | 58.10 | 18 | 1.80 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 28 | 711 | 50.97 | 18 | 2.00 | | |
| 32 | 628 | 44.98 | 18 | 2.30 | | |
| 36 | 557 | 39.88 | 19 | 2.60 | | |
| 41 | 489 | 35.05 | 19 | 3.00 | | |
| 46 | 429 | 30.76 | 19 | 3.40 | | |
| 49 | 407 | 29.15 | 19 | 3.60 | | |
| 56 | 356 | 25.51 | 19 | 4.10 | | |
| 24 | 847 | 60.66 | 9.0 | 0.90 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 25 | 799 | 57.28 | 10 | 0.95 | | |
| 29 | 681 | 48.77 | 11 | 1.15 | | |
| 32 | 619 | 44.32 | 11 | 1.25 | | |
| 37 | 536 | 38.39 | 11 | 1.40 | | |
| 40 | 497 | 35.61 | 12 | 1.55 | | |
| 47 | 422 | 30.21 | 12 | 1.80 | | |
| 52 | 381 | 27.27 | 12 | 2.00 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 60 | 335 | 23.99 | 12 | 2.20 | | |
| 63 | 316 | 22.66 | 12 | 2.30 | | |
| 74 | 269 | 19.29 | 12 | 2.60 | | |
| 82 | 245 | 17.53 | 12 | 2.80 | | |
| 94 | 212 | 15.19 | 12 | 3.10 | | |
| 108 | 185 | 13.22 | 12 | 3.40 | | |
| 115 | 174 | 12.48 | 12 | 2.80 | | |
| 135 | 148 | 10.63 | 12 | 3.20 | | |
| 148 | 135 | 9.66 | 12 | 3.30 | | |
| 171 | 117 | 8.37 | 12 | 3.50 | | |
| 196 | 102 | 7.28 | 12 | 3.90 | | |
| 32 | 620 | 44.43 | 4.8 | 0.90 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 37 | 537 | 38.49 | 7.5 | 1.05 | | |
| 40 | 498 | 35.70 | 7.8 | 1.15 | | |
| 47 | 423 | 30.28 | 7.8 | 1.35 | | |
| 52 | 382 | 27.34 | 7.8 | 1.45 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 59 | 336 | 24.05 | 7.6 | 1.65 | | |
| 63 | 317 | 22.71 | 7.6 | 1.75 | | |
| 74 | 270 | 19.34 | 7.4 | 2.00 | | |
| 81 | 245 | 17.57 | 7.2 | 2.10 | | |
| 94 | 212 | 15.22 | 7.1 | 2.40 | | |
| 108 | 185 | 13.25 | 6.9 | 2.60 | | |
| 120 | 166 | 11.92 | 6.5 | 2.30 | | |
| 127 | 157 | 11.26 | 6.5 | 2.50 | | |
| 55 | 362 | 25.91 | 5.0 | 1.05 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 66 | 304 | 21.81 | 5.0 | 1.25 | | |
| 73 | 273 | 19.58 | 5.0 | 1.35 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 85 | 235 | 16.86 | 4.9 | 1.50 | **GK47 GKF47 GKA47 GKAF47** | **4P** |
| 90 | 221 | 15.86 | 4.9 | 1.60 | | |
| 105 | 191 | 13.65 | 4.8 | 1.75 | | |
| 117 | 170 | 12.19 | 4.7 | 1.95 | | |
| 121 | 164 | 11.77 | 4.6 | 1.60 | | |
| 135 | 147 | 10.56 | 4.6 | 1.80 | | |
| 157 | 127 | 9.10 | 4.5 | 2.10 | | |
| 109 | 183 | 13.08 | 2.3 | 0.85 | **GK37 GKF37 GKA37 GKAF37** | **4P** |
| 136 | 146 | 10.49 | 2.3 | 1.00 | | |
| 160 | 124 | 8.91 | 2.3 | 1.20 | | |
| 180 | 111 | 7.96 | 2.3 | 1.30 | | |
| 210 | 95 | 6.80 | 2.3 | 1.50 | | |
| 224 | 89 | 6.37 | 2.3 | 1.55 | | |
| 267 | 75 | 5.36 | 2.2 | 1.75 | | |
| **3kW** | | | | | | |
| 0.47 | 55366 | 3062 | 160 | 0.90 | **GK187R97 GKA187R97** | **4P** |
| 0.51 | 50954 | 2818 | 170 | 0.95 | | |
| 0.57 | 45547 | 2519 | 171 | 1.05 | | |
| 0.63 | 41009 | 2268 | 171 | 1.20 | | |
| 0.70 | 37140 | 2054 | 171 | 1.30 | | |
| 0.79 | 32927 | 1821 | 171 | 1.50 | | |
| 0.9 | 29021 | 1605 | 171 | 1.70 | | |
| 1.0 | 25224 | 1395 | 171 | 1.95 | | |
| 1.2 | 21626 | 1196 | 171 | 2.30 | | |
| 0.84 | 30811 | 1704 | 135 | 1.00 | **GK167R97 GKA167R97** | **4P** |
| 1.0 | 25459 | 1408 | 135 | 1.20 | | |
| 1.1 | 23434 | 1296 | 135 | 1.35 | | |
| 1.3 | 19908 | 1101 | 135 | 1.55 | | |
| 1.5 | 17069 | 944 | 135 | 1.85 | | |
| 1.7 | 15261 | 844 | 135 | 2.10 | | |
| 1.9 | 13688 | 757 | 135 | 2.30 | | |
| 1.2 | 22222 | 1229 | 104 | 0.80 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 1.3 | 19763 | 1093 | 105 | 0.90 | | |
| 1.5 | 17033 | 942 | 107 | 1.05 | | |
| 1.7 | 15424 | 853 | 108 | 1.15 | | |
| 1.9 | 13670 | 756 | 108 | 1.30 | | |
| 2.5 | 10252 | 567 | 109 | 1.75 | | |
| 2.8 | 9113 | 504 | 110 | 1.95 | | |
| 2.7 | 9746 | 539 | 77 | 1.30 | **GK127R87 GKF127R87 GKA127R87 GKAF127R87** | **4P** |
| 3.0 | 8607 | 476 | 77 | 1.50 | | |
| 3.4 | 7594 | 420 | 77 | 1.70 | | |
| 3.9 | 6654 | 368 | 78 | 1.95 | | |
| 4.3 | 5985 | 331 | 78 | 2.15 | | |
| 5.0 | 5189 | 287 | 78 | 2.45 | | |
| 1.8 | 14284 | 790 | 73 | 0.90 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 2.0 | 12729 | 704 | 75 | 1.00 | | |
| 2.3 | 11030 | 610 | 76 | 1.20 | | |
| 2.6 | 9927 | 549 | 77 | 1.30 | | |
| 3.0 | 8625 | 477 | 77 | 1.50 | | |
| 3.4 | 7576 | 419 | 77 | 1.75 | | |
| 3.1 | 8336 | 461 | 62 | 0.95 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 3.5 | 7377 | 408 | 62 | 1.05 | | |
| 3.9 | 6582 | 364 | 62 | 1.20 | | |
| 4.5 | 5750 | 318 | 62 | 1.40 | | |
| 5.0 | 5171 | 286 | 62 | 1.55 | | |
| 5.7 | 4538 | 251 | 62 | 1.75 | | |
| 6.4 | 4014 | 222 | 62 | 2.00 | | |
| 7.3 | 3544 | 196 | 62 | 2.25 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 8.2 | 3146 | 174 | 62 | 2.55 | **GK107R77** | **4P** |
| 9.3 | 2785 | 154 | 62 | 2.85 | **GKF107R77** | |
| 10 | 2531 | 140 | 62 | 3.15 | **GKA107R77** | |
| | | | | | **GKAF107R77** | |
| 5.5 | 4665 | 258 | 38 | 0.90 | **GK97R57** | **4P** |
| 6.2 | 4195 | 232 | 38 | 1.00 | **GKF97R57** | |
| 7.2 | 3598 | 199 | 38 | 1.20 | **GKA97R57** | |
| | | | | | **GKAF97R57** | |
| 4.9 | 5500 | 143.47 | 62 | 1.40 | **GK107** | **8P** |
| 5.8 | 4656 | 121.46 | 62 | 1.65 | **GKF107** | |
| 6.3 | 4309 | 112.41 | 62 | 1.80 | **GKA107** | |
| 7.0 | 3862 | 100.75 | 62 | 2.00 | **GKAF107** | |
| 7.8 | 3487 | 90.96 | 62 | 2.20 | | |
| 6.7 | 4068 | 143.47 | 62 | 1.85 | **GK107** | **6P** |
| 7.9 | 3444 | 121.46 | 62 | 2.20 | **GKF107** | |
| 8.5 | 3187 | 112.41 | 62 | 2.30 | **GKA107** | |
| 9.5 | 2856 | 100.75 | 62 | 2.60 | **GKAF107** | |
| 10 | 2731 | 143.47 | 62 | 2.70 | **GK107** | **4P** |
| 12 | 2312 | 121.46 | 62 | 3.20 | **GKF107** | |
| | | | | | **GKA107** | |
| | | | | | **GKAF107** | |
| 7.7 | 3514 | 123.93 | 38 | 1.15 | **GK97** | **6P** |
| 9.1 | 2981 | 105.13 | 38 | 1.35 | **GKF97** | |
| 9.9 | 2744 | 96.80 | 38 | 1.45 | **GKA97** | |
| 11 | 2453 | 86.52 | 38 | 1.65 | **GKAF97** | |
| 8.1 | 3351 | 176.05 | 38 | 1.20 | **GK97** | **4P** |
| 9.3 | 2916 | 153.21 | 38 | 1.35 | **GKF97** | |
| 10 | 2670 | 140.28 | 38 | 1.50 | **GKA97** | |
| 12 | 2359 | 123.93 | 38 | 1.70 | **GKAF97** | |
| 14 | 2001 | 105.13 | 38 | 2.00 | | **4P** |
| 15 | 1842 | 96.80 | 38 | 2.20 | **GK97** | |
| 17 | 1647 | 86.52 | 38 | 2.40 | **GKF97** | |
| 18 | 1482 | 77.89 | 38 | 2.70 | **GKA97** | |
| 20 | 1343 | 70.54 | 38 | 3.00 | **GKAF97** | |
| 23 | 1191 | 62.55 | 38 | 3.40 | | |
| 25 | 1076 | 56.55 | 38 | 3.70 | | |
| 9.7 | 2804 | 147.33 | 26 | 0.90 | **GK87** | **4P** |
| 11 | 2416 | 126.91 | 26 | 1.05 | **GKF87** | |
| 12 | 2204 | 115.82 | 26 | 1.15 | **GKA87** | |
| 14 | 1955 | 102.71 | 27 | 1.30 | **GKAF87** | |
| 17 | 1643 | 86.34 | 27 | 1.55 | | **4P** |
| 18 | 1510 | 79.34 | 27 | 1.65 | | |
| 20 | 1341 | 70.46 | 27 | 1.85 | **GK87** | |
| 23 | 1199 | 63.00 | 27 | 2.10 | **GKF87** | |
| 25 | 1078 | 56.64 | 27 | 2.30 | **GKA87** | |
| 29 | 936 | 49.16 | 27 | 2.70 | **GKAF87** | |
| 32 | 838 | 44.02 | 27 | 2.90 | | |
| 39 | 695 | 36.52 | 27 | 3.30 | | |
| 16 | 1687 | 88.61 | 12 | 0.85 | | **4P** |
| 18 | 1480 | 77.76 | 14 | 0.95 | **GK77** | |
| 19 | 1403 | 73.69 | 15 | 1.00 | **GKF77** | |
| 22 | 1227 | 64.49 | 16 | 1.15 | **GKA77** | |
| 25 | 1106 | 58.10 | 17 | 1.30 | **GKAF77** | |
| 28 | 970 | 50.97 | 17 | 1.50 | | |
| 32 | 856 | 44.98 | 18 | 1.70 | **GK77** | **4P** |
| 36 | 759 | 39.88 | 18 | 1.90 | **GKF77** | |
| 41 | 667 | 35.05 | 18 | 2.20 | **GKA77** | |
| 46 | 585 | 30.76 | 18 | 2.50 | **GKAF77** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 32 | 844 | 44.32 | 9.0 | 0.90 | | **4P** |
| 37 | 731 | 38.39 | 10 | 1.00 | **GK67** | |
| 40 | 678 | 35.61 | 11 | 1.15 | **GKF67** | |
| 47 | 575 | 30.21 | 11 | 1.35 | **GKA67** | |
| 52 | 519 | 27.27 | 11 | 1.45 | **GKAF67** | |
| 60 | 457 | 23.99 | 12 | 1.65 | | |
| 63 | 431 | 22.66 | 12 | 1.70 | | **4P** |
| 74 | 367 | 19.29 | 12 | 1.95 | | |
| 82 | 334 | 17.53 | 12 | 2.10 | **GK67** | |
| 94 | 289 | 15.19 | 12 | 2.20 | **GKF67** | |
| 108 | 252 | 13.22 | 12 | 2.50 | **GKA67** | |
| 115 | 238 | 12.48 | 12 | 2.10 | **GKAF67** | |
| 135 | 202 | 10.63 | 12 | 2.30 | | |
| 148 | 184 | 9.66 | 12 | 2.40 | | |
| 47 | 576 | 30.28 | 6.8 | 0.95 | **GK57** | **4P** |
| 52 | 520 | 27.34 | 6.8 | 1.05 | **GKF57** | |
| 59 | 458 | 24.05 | 6.8 | 1.20 | **GKA57** | |
| | | | | | **GKAF57** | |
| 63 | 432 | 22.71 | 6.8 | 1.30 | | **4P** |
| 74 | 368 | 19.34 | 6.7 | 1.45 | | |
| 81 | 334 | 17.57 | 6.7 | 1.55 | | |
| 94 | 290 | 15.22 | 6.5 | 1.70 | **GK57** | |
| 108 | 252 | 13.25 | 6.4 | 1.90 | **GKF57** | |
| 120 | 227 | 11.92 | 6.1 | 1.70 | **GKA57** | |
| 127 | 214 | 11.26 | 6.1 | 1.80 | **GKAF57** | |
| 149 | 183 | 9.59 | 5.9 | 2.10 | | |
| 164 | 166 | 8.71 | 5.8 | 2.20 | | |
| 189 | 144 | 7.55 | 5.6 | 2.40 | | |
| 218 | 125 | 6.57 | 5.5 | 2.60 | | |
| 73 | 373 | 19.58 | 4.2 | 1.00 | **GK47** | **4P** |
| 85 | 321 | 16.86 | 4.3 | 1.10 | **GKF47** | |
| 90 | 302 | 15.86 | 4.3 | 1.15 | **GKA47** | |
| | | | | | **GKAF47** | |
| 105 | 260 | 13.65 | 4.3 | 1.30 | | **4P** |
| 117 | 232 | 12.19 | 4.3 | 1.40 | | |
| 121 | 224 | 11.77 | 4.2 | 1.15 | **GK47** | |
| 135 | 201 | 10.56 | 4.1 | 1.30 | **GKF47** | |
| 157 | 173 | 9.10 | 4.1 | 1.50 | **GKA47** | |
| 167 | 163 | 8.56 | 4.1 | 1.55 | **GKAF47** | |
| 194 | 140 | 7.36 | 4.0 | 1.65 | | |
| 217 | 125 | 6.58 | 3.9 | 1.80 | | |
| 254 | 107 | 5.62 | 3.8 | 1.95 | | |
| 160 | 170 | 8.91 | 1.9 | 0.90 | **GK37** | **4P** |
| 180 | 152 | 7.96 | 1.9 | 0.95 | **GKF37** | |
| 210 | 129 | 6.80 | 2.0 | 1.10 | **GKA37** | |
| 224 | 121 | 6.37 | 2.0 | 1.10 | **GKAF37** | |
| 267 | 102 | 5.36 | 2.0 | 1.30 | | |
| **4kW** | | | | | | |
| 1.7 | 19991 | 835 | 171 | 2.50 | **GK187R107** | **4P** |
| 2.8 | 12449 | 520 | 171 | 4.00 | **GKA187R107** | |
| 0.57 | 60308 | 2519 | 152 | 0.80 | | **4P** |
| 0.63 | 54299 | 2268 | 162 | 0.90 | | |
| 0.70 | 49175 | 2054 | 170 | 1.00 | **GK187R97** | |
| 0.79 | 43597 | 1821 | 171 | 1.10 | **GKA187R97** | |
| 0.9 | 38426 | 1605 | 171 | 1.25 | | |
| 1.0 | 33398 | 1395 | 171 | 1.45 | | |
| 1.2 | 28634 | 1196 | 171 | 1.70 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 1.4 | 25043 | 1046 | 171 | 1.95 | **GK187R97 GKA187R97** | **4P** |
| 1.5 | 22625 | 945 | 171 | 2.20 | | |
| 1.0 | 33709 | 1408 | 135 | 0.90 | **GK167R97 GKA167R97** | **4P** |
| 1.1 | 31028 | 1296 | 135 | 1.00 | | |
| 1.3 | 26359 | 1101 | 135 | 1.20 | | |
| 1.5 | 22601 | 944 | 135 | 1.40 | | |
| 1.7 | 20206 | 844 | 135 | 1.55 | | |
| 1.9 | 18124 | 757 | 135 | 1.75 | | |
| 2.3 | 15131 | 632 | 135 | 2.10 | | |
| 1.7 | 20422 | 853 | 105 | 0.85 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 1.9 | 18100 | 756 | 106 | 1.00 | | |
| 2.5 | 13575 | 567 | 108 | 1.30 | | |
| 2.9 | 12066 | 504 | 109 | 1.45 | | |
| 3.3 | 10391 | 434 | 109 | 1.70 | | |
| 2.7 | 12904 | 539 | 75 | 1.00 | **GK127R87 GKF127R87 GKA127R87 GKAF127R87** | **4P** |
| 3.0 | 11396 | 476 | 76 | 1.15 | | |
| 3.4 | 10055 | 420 | 77 | 1.30 | | |
| 3.9 | 8810 | 368 | 77 | 1.45 | | |
| 4.4 | 7925 | 331 | 77 | 1.65 | | |
| 5.0 | 6871 | 287 | 78 | 1.90 | | |
| 5.7 | 6081 | 254 | 78 | 2.15 | | |
| 2.4 | 14604 | 610 | 72 | 0.90 | **GK127R77 GKF127R77 GKA127R77 GKAF127R77** | **4P** |
| 2.6 | 13144 | 549 | 75 | 1.00 | | |
| 3.0 | 11420 | 477 | 76 | 1.15 | | |
| 3.4 | 10031 | 419 | 76 | 1.30 | | |
| 4.0 | 8715 | 364 | 62 | 0.90 | **GK107R77 GKF107R77 GKA107R77 GKAF107R77** | **4P** |
| 4.5 | 7613 | 318 | 62 | 1.05 | | |
| 5.0 | 6847 | 286 | 62 | 1.15 | | |
| 5.7 | 6009 | 251 | 62 | 1.35 | | |
| 6.5 | 5315 | 222 | 62 | 1.50 | | |
| 7.3 | 4692 | 196 | 62 | 1.70 | | |
| 8.3 | 4166 | 174 | 62 | 1.90 | | |
| 9.4 | 3687 | 154 | 62 | 2.15 | | |
| 10 | 3352 | 140 | 62 | 2.40 | | |
| 7.2 | 4764 | 199 | 38 | 0.90 | **GK97R57 GKF97R57 GKA97R57 GKAF97R57** | **4P** |
| 5.3 | 6862 | 136.14 | 78 | 1.80 | **GK127 GKF127 GKA127 GKAF127** | **8P** |
| 5.9 | 6173 | 122.48 | 78 | 2.00 | | |
| 6.5 | 5553 | 110.18 | 78 | 2.20 | | |
| 6.6 | 5146 | 146.07 | 78 | 2.20 | **GK127 GKF127 GKA127 GKAF127** | **6P** |
| 7.1 | 4630 | 136.14 | 78 | 2.40 | | |
| 7.8 | 4165 | 122.48 | 78 | 2.70 | | |
| 8.7 | 4249 | 110.18 | 78 | 3.00 | | |
| 6.4 | 5666 | 112.41 | 62 | 1.35 | **GK107 GKF107 GKA107 GKAF107** | **8P** |
| 7.1 | 5078 | 100.75 | 62 | 1.50 | | |
| 7.9 | 4585 | 90.96 | 62 | 1.65 | | |
| 8.7 | 4164 | 82.61 | 62 | 1.85 | | |
| 6.7 | 5423 | 143.47 | 62 | 1.40 | **GK107 GKF107 GKA107 GKAF107** | **6P** |
| 7.9 | 4591 | 121.46 | 62 | 1.65 | | |
| 8.5 | 4249 | 112.41 | 62 | 1.80 | | |
| 9.5 | 3809 | 100.75 | 62 | 2.00 | | |
| 11 | 3438 | 90.96 | 62 | 2.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 10 | 3616 | 143.47 | 62 | 2.10 | **GK107 GKF107 GKA107 GKAF107** | **4P** |
| 12 | 3061 | 121.46 | 62 | 2.50 | | |
| 13 | 2833 | 112.41 | 62 | 2.70 | | |
| 14 | 2539 | 100.75 | 62 | 3.00 | | |
| 16 | 2292 | 90.96 | 62 | 3.30 | | |
| 17 | 2082 | 82.61 | 62 | 3.60 | | |
| 20 | 1847 | 73.30 | 62 | 4.10 | | |
| 9.4 | 3861 | 153.21 | 38 | 1.05 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 10 | 3535 | 140.28 | 38 | 1.15 | | |
| 12 | 3123 | 123.93 | 38 | 1.30 | | |
| 14 | 2649 | 105.13 | 38 | 1.50 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 15 | 2439 | 96.80 | 38 | 1.65 | | |
| 17 | 2180 | 86.52 | 38 | 1.85 | | |
| 18 | 1963 | 77.89 | 38 | 2.00 | | |
| 20 | 1778 | 70.54 | 38 | 2.30 | | |
| 12 | 2919 | 115.82 | 25 | 0.85 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 14 | 2588 | 102.71 | 26 | 1.00 | | |
| 17 | 2176 | 86.34 | 26 | 1.15 | | |
| 18 | 1999 | 79.34 | 27 | 1.25 | | |
| 20 | 1776 | 70.46 | 27 | 1.40 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 23 | 1588 | 63.00 | 27 | 1.60 | | |
| 25 | 1427 | 56.64 | 27 | 1.75 | | |
| 29 | 1239 | 49.16 | 27 | 2.00 | | |
| 33 | 1109 | 44.02 | 27 | 2.20 | | |
| 39 | 920 | 36.52 | 26 | 2.50 | | |
| 22 | 1625 | 64.49 | 13 | 0.90 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 25 | 1464 | 58.10 | 14 | 1.00 | | |
| 28 | 1285 | 50.97 | 16 | 1.15 | | |
| 32 | 1134 | 44.98 | 17 | 1.30 | | |
| 36 | 1005 | 39.88 | 17 | 1.45 | | |
| 38 | 963 | 38.23 | 17 | 1.45 | | |
| 41 | 883 | 35.05 | 18 | 1.65 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 47 | 775 | 30.76 | 18 | 1.85 | | |
| 49 | 735 | 29.15 | 18 | 1.95 | | |
| 56 | 643 | 25.51 | 18 | 2.20 | | |
| 63 | 579 | 22.98 | 19 | 2.50 | | |
| 71 | 508 | 20.16 | 19 | 2.80 | | |
| 48 | 761 | 30.21 | 10 | 1.00 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 53 | 687 | 27.27 | 10 | 1.10 | | |
| 60 | 605 | 23.99 | 11 | 1.25 | | |
| 64 | 571 | 22.66 | 11 | 1.30 | | |
| 75 | 486 | 19.29 | 12 | 1.45 | **GK67 GKF67 GKA67 GKAF67** | **4P** |
| 82 | 442 | 17.53 | 12 | 1.55 | | |
| 95 | 383 | 15.19 | 12 | 1.70 | | |
| 109 | 333 | 13.22 | 12 | 1.90 | | |
| 115 | 315 | 12.48 | 12 | 1.60 | | |
| 135 | 268 | 10.63 | 12 | 1.75 | | |
| 149 | 243 | 9.66 | 12 | 1.85 | | |
| 172 | 211 | 8.37 | 12 | 1.95 | | |
| 198 | 183 | 7.28 | 11 | 2.10 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 60 | 606 | 24.05 | 5.8 | 0.95 | | |
| 63 | 572 | 22.71 | 5.9 | 1.00 | | |
| 74 | 487 | 19.34 | 5.9 | 1.10 | | |
| 82 | 443 | 17.57 | 5.9 | 1.15 | | |
| 95 | 384 | 15.22 | 5.9 | 1.30 | **GK57** | |
| 109 | 334 | 13.25 | 5.8 | 1.45 | **GKF57** | **4P** |
| 121 | 300 | 11.92 | 5.5 | 1.30 | **GKA57** | |
| 128 | 284 | 11.26 | 5.5 | 1.35 | **GKAF57** | |
| 150 | 242 | 9.59 | 5.4 | 1.55 | | |
| 165 | 220 | 8.71 | 5.4 | 1.65 | | |
| 191 | 190 | 7.55 | 5.3 | 1.80 | | |
| 219 | 166 | 6.57 | 5.1 | 1.95 | | |
| **5.5kW** | | | | | | |
| 0.8 | 59946 | 1821 | 153 | 0.80 | | |
| 0.9 | 52835 | 1605 | 165 | 0.95 | | |
| 1.0 | 45922 | 1395 | 171 | 1.05 | | |
| 1.2 | 39371 | 1196 | 171 | 1.25 | **GK187R97** | **4P** |
| 1.4 | 34434 | 1046 | 171 | 1.45 | **GKA187R97** | |
| 1.5 | 31109 | 945 | 171 | 1.60 | | |
| 2.0 | 24294 | 738 | 171 | 2.00 | | |
| 2.3 | 20443 | 621 | 171 | 2.40 | | |
| 1.3 | 36244 | 1101 | 135 | 0.85 | | |
| 1.5 | 31076 | 944 | 135 | 1.00 | | |
| 1.7 | 27784 | 844 | 135 | 1.15 | | |
| 1.9 | 24920 | 757 | 135 | 1.25 | **GK167R97** | **4P** |
| 2.3 | 20805 | 632 | 135 | 1.50 | **GKA167R97** | |
| 2.6 | 18468 | 561 | 135 | 1.70 | | |
| 3.0 | 15834 | 481 | 135 | 2.00 | | |
| 3.4 | 13925 | 423 | 135 | 2.30 | | |
| 2.2 | 21760 | 661 | 104 | 0.80 | | |
| 2.5 | 18665 | 567 | 106 | 0.95 | **GK157R97** | |
| 2.9 | 16591 | 504 | 107 | 1.05 | **GKF157R97** | **4P** |
| 3.3 | 14287 | 434 | 108 | 1.25 | **GKA157R97** | |
| 3.8 | 12476 | 379 | 109 | 1.45 | **GKAF157R97** | |
| 4.3 | 10962 | 333 | 109 | 1.60 | | |
| 3.4 | 13826 | 420 | 74 | 0.95 | | |
| 3.9 | 12114 | 368 | 76 | 1.05 | | |
| 4.4 | 10896 | 331 | 76 | 1.20 | **GK127R87** | |
| 5.0 | 9448 | 287 | 77 | 1.35 | **GKF127R87** | **4P** |
| 5.7 | 8362 | 254 | 77 | 1.55 | **GKA127R87** | |
| 6.8 | 7012 | 213 | 78 | 1.85 | **GKAF127R87** | |
| 7.2 | 6617 | 201 | 78 | 1.95 | | |
| 8.6 | 5498 | 167 | 78 | 2.35 | | |
| 9.8 | 4839 | 147 | 78 | 2.70 | | |
| 6.5 | 7308 | 222 | 62 | 1.10 | **GK107R77** | |
| 7.3 | 6452 | 196 | 62 | 1.25 | **GKF107R77** | **4P** |
| 8.3 | 5728 | 174 | 62 | 1.40 | **GKA107R77** | |
| 9.4 | 5070 | 154 | 62 | 1.60 | **GKAF107R77** | |
| 10 | 4609 | 140 | 62 | 1.75 | | |
| 4.8 | 10424 | 150.41 | 109 | 1.60 | **GK157** | |
| 5.9 | 8482 | 122.39 | 110 | 2.00 | **GKF157** | **8P** |
| 7.2 | 6946 | 100.22 | 110 | 2.40 | **GKA157** | |
| 7.9 | 6352 | 91.65 | 110 | 2.70 | **GKAF157** | |
| 5.3 | 9435 | 136.14 | 77 | 1.30 | **GK127** | |
| 5.9 | 8488 | 122.48 | 77 | 1.45 | **GKF127** | **8P** |
| 6.5 | 7636 | 110.18 | 77 | 1.60 | **GKA127** | |
| 8.0 | 6230 | 89.89 | 78 | 1.95 | **GKAF127** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 7.1 | 7076 | 136.14 | 78 | 1.75 | **GK127** | |
| 7.8 | 6366 | 122.48 | 78 | 1.95 | **GKF127** | **6P** |
| 8.7 | 5727 | 110.18 | 78 | 2.20 | **GKA127** | |
| 11 | 4672 | 89.89 | 78 | 2.60 | **GKAF127** | |
| 8.5 | 5843 | 112.41 | 62 | 1.30 | **GK107** | |
| 9.5 | 5237 | 100.75 | 62 | 1.45 | **GKF107** | **6P** |
| 11 | 4728 | 90.96 | 62 | 1.60 | **GKA107** | |
| 12 | 4294 | 82.61 | 62 | 1.75 | **GKAF107** | |
| 10 | 4972 | 143.47 | 62 | 1.80 | | |
| 12 | 4209 | 121.46 | 62 | 1.80 | **GK107** | |
| 13 | 3895 | 112.41 | 62 | 1.95 | **GKF107** | **4P** |
| 14 | 3491 | 100.75 | 62 | 2.20 | **GKA107** | |
| 16 | 3152 | 90.96 | 62 | 2.40 | **GKAF107** | |
| 17 | 2863 | 82.61 | 62 | 2.60 | | |
| 12 | 4294 | 123.93 | 38 | 0.95 | **GK97** | |
| 14 | 3643 | 105.13 | 38 | 1.10 | **GKF97** | **4P** |
| 15 | 3354 | 96.80 | 38 | 1.20 | **GKA97** | |
| 17 | 2998 | 86.52 | 38 | 1.35 | **GKAF97** | |
| 18 | 2699 | 77.89 | 38 | 1.50 | | |
| 20 | 2444 | 70.54 | 38 | 1.65 | **GK97** | |
| 23 | 2167 | 62.55 | 38 | 1.85 | **GKF97** | **4P** |
| 25 | 1960 | 56.55 | 38 | 2.10 | **GKA97** | |
| 30 | 1661 | 47.93 | 37 | 2.40 | **GKAF97** | |
| 17 | 2992 | 86.34 | 25 | 0.85 | | |
| 18 | 2749 | 79.34 | 26 | 0.95 | **GK87** | |
| 20 | 2442 | 70.46 | 26 | 1.05 | **GKF87** | **4P** |
| 23 | 2183 | 63.00 | 26 | 1.15 | **GKA87** | |
| 25 | 1963 | 56.64 | 26 | 1.30 | **GKAF87** | |
| 29 | 1703 | 49.16 | 26 | 1.50 | | |
| 33 | 1525 | 44.02 | 25 | 1.60 | **GK87** | |
| 39 | 1265 | 36.52 | 25 | 1.85 | **GKF87** | **4P** |
| 46 | 1087 | 31.38 | 24 | 2.30 | **GKA87** | |
| 52 | 966 | 27.87 | 23 | 2.50 | **GKAF87** | |
| 32 | 1559 | 44.98 | 14 | 0.95 | | |
| 36 | 1382 | 39.88 | 15 | 1.05 | **GK77** | |
| 47 | 1066 | 30.76 | 17 | 1.35 | **GKF77** | **4P** |
| 49 | 1010 | 29.15 | 17 | 1.45 | **GKA77** | |
| 56 | 884 | 25.51 | 18 | 1.65 | **GKAF77** | |
| 63 | 796 | 22.98 | 18 | 1.85 | | |
| 71 | 699 | 20.16 | 18 | 2.00 | **GK77** | |
| 81 | 616 | 17.79 | 18 | 2.20 | **GKF77** | **4P** |
| 91 | 546 | 15.77 | 18 | 2.40 | **GKA77** | |
| 107 | 467 | 13.47 | 18 | 2.70 | **GKAF77** | |
| 115 | 432 | 12.48 | 17 | 2.20 | | |
| 132 | 379 | 10.95 | 17 | 2.50 | | |
| 60 | 831 | 23.99 | 9.2 | 0.90 | | |
| 64 | 785 | 22.66 | 10 | 0.95 | **GK67** | |
| 75 | 668 | 19.29 | 11 | 1.05 | **GKF67** | **4P** |
| 82 | 607 | 17.53 | 11 | 1.15 | **GKA67** | |
| 95 | 526 | 15.19 | 11 | 1.25 | **GKAF67** | |
| 109 | 458 | 13.22 | 12 | 1.40 | | |
| 115 | 432 | 12.48 | 12 | 1.15 | | |
| 135 | 368 | 10.63 | 12 | 1.30 | **GK67** | |
| 149 | 335 | 9.66 | 12 | 1.35 | **GKF67** | **4P** |
| 172 | 290 | 8.37 | 11 | 1.45 | **GKA67** | |
| 198 | 252 | 7.28 | 11 | 1.55 | **GKAF67** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 82 | 609 | 17.57 | 4.8 | 0.85 | **GK57 GKF57 GKA57 GKAF57** | **4P** |
| 95 | 527 | 15.22 | 4.9 | 0.95 | | |
| 109 | 459 | 13.25 | 5.0 | 1.05 | | |
| 121 | 413 | 11.92 | 4.7 | 0.95 | | |
| 128 | 390 | 11.26 | 4.7 | 1.00 | | |
| 150 | 332 | 9.59 | 4.7 | 1.15 | | |
| 165 | 302 | 8.71 | 4.7 | 1.20 | | |
| 191 | 262 | 7.55 | 4.7 | 1.30 | | |
| 219 | 228 | 6.57 | 4.7 | 1.45 | | |
| **7.5kW** | | | | | | |
| 1.7 | 37483 | 835 | 171 | 1.30 | **GK187R107 GKA187R107** | **4P** |
| 2.0 | 32725 | 729 | 171 | 1.50 | | |
| 2.3 | 27922 | 622 | 171 | 1.75 | | |
| 1.2 | 53688 | 1196 | 163 | 0.90 | **GK187R97 GKA187R97** | **4P** |
| 1.4 | 46955 | 1046 | 171 | 1.05 | | |
| 1.5 | 42421 | 945 | 171 | 1.15 | | |
| 2.0 | 33129 | 738 | 171 | 1.45 | | |
| 2.3 | 27877 | 621 | 171 | 1.75 | | |
| 2.7 | 23657 | 527 | 171 | 2.10 | | |
| 1.7 | 37887 | 844 | 135 | 0.85 | **GK167R97 GKA167R97** | **4P** |
| 1.9 | 33982 | 757 | 135 | 0.90 | | |
| 2.3 | 28370 | 632 | 135 | 1.10 | | |
| 2.6 | 25183 | 561 | 135 | 1.25 | | |
| 3.0 | 21592 | 481 | 135 | 1.45 | | |
| 3.4 | 18988 | 423 | 135 | 1.65 | | |
| 3.9 | 16564 | 369 | 135 | 1.90 | | |
| 3.3 | 19482 | 434 | 106 | 0.95 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 3.8 | 17013 | 379 | 107 | 1.05 | | |
| 4.3 | 14948 | 333 | 108 | 1.20 | | |
| 4.9 | 13063 | 291 | 108 | 1.40 | | |
| 4.4 | 14859 | 331 | 72 | 0.90 | **GK127R87 GKF127R87 GKA127R87 GKAF127R87** | **4P** |
| 5.0 | 12883 | 287 | 75 | 1.00 | | |
| 5.7 | 11402 | 254 | 76 | 1.15 | | |
| 6.8 | 9562 | 213 | 77 | 1.35 | | |
| 7.2 | 9023 | 201 | 77 | 1.45 | | |
| 8.6 | 7497 | 167 | 78 | 1.75 | | |
| 9.8 | 6599 | 147 | 78 | 2.00 | | |
| 4.4 | 15546 | 164.50 | 135 | 1.95 | **GK167 GKA167** | **8P** |
| 5.3 | 12757 | 134.99 | 135 | 2.40 | | |
| 5.9 | 11539 | 164.50 | 135 | 2.60 | **GK167 GKA167** | **6P** |
| 7.2 | 9469 | 134.99 | 135 | 3.20 | | |
| 6.4 | 10551 | 150.41 | 109 | 1.60 | **GK157 GKF157 GKA157 GKAF157** | **6P** |
| 7.9 | 8585 | 122.39 | 110 | 1.95 | | |
| 9.7 | 7030 | 100.22 | 110 | 2.40 | | |
| 11 | 6429 | 91.65 | 110 | 2.60 | | |
| 12 | 5594 | 79.75 | 110 | 3.00 | | |
| 7 | 9550 | 136.14 | 77 | 1.30 | **GK127 GKF127 GKA127 GKAF127** | **6P** |
| 8 | 8592 | 122.48 | 77 | 1.40 | | |
| 9 | 7729 | 110.18 | 77 | 1.60 | | |
| 11 | 6306 | 89.89 | 78 | 1.95 | | |
| 9.9 | 6902 | 146.07 | 78 | 1.80 | **GK127 GKF127 GKA127 GKAF127** | **4P** |
| 11 | 6433 | 136.14 | 78 | 1.90 | | |
| 12 | 5787 | 122.48 | 78 | 2.10 | | |
| 13 | 5206 | 110.18 | 78 | 2.40 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 16 | 4248 | 89.89 | 78 | 2.90 | **GK127 GKF127 GKA127 GKAF127** | **4P** |
| 18 | 3874 | 81.98 | 78 | 3.20 | | |
| 20 | 3353 | 70.95 | 78 | 3.70 | | |
| 10 | 6779 | 143.47 | 62 | 1.10 | **GK107 GKF107 GKA107 GKAF107** | **4P** |
| 12 | 5739 | 121.46 | 62 | 1.30 | | |
| 13 | 5312 | 112.41 | 62 | 1.40 | | |
| 14 | 4761 | 100.75 | 62 | 1.60 | **GK107 GKF107 GKA107 GKAF107** | **4P** |
| 16 | 4298 | 90.96 | 61 | 1.75 | | |
| 17 | 3904 | 82.61 | 60 | 1.95 | | |
| 20 | 3464 | 73.30 | 59 | 2.20 | | |
| 22 | 3143 | 66.52 | 58 | 2.40 | | |
| 25 | 2701 | 57.17 | 56 | 2.80 | | |
| 29 | 2358 | 49.90 | 55 | 3.10 | | |
| 34 | 2000 | 42.33 | 53 | 3.50 | | |
| 39 | 1748 | 37.00 | 51 | 3.90 | | |
| 15 | 4574 | 96.80 | 36 | 0.90 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 17 | 4088 | 86.52 | 36 | 1.00 | | |
| 18 | 3681 | 77.89 | 36 | 1.10 | | |
| 20 | 3333 | 70.54 | 36 | 1.20 | | |
| 23 | 2956 | 62.55 | 36 | 1.35 | | |
| 25 | 2672 | 56.55 | 35 | 1.50 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 30 | 2265 | 47.93 | 35 | 1.80 | | |
| 34 | 1978 | 41.87 | 34 | 2.00 | | |
| 38 | 1809 | 38.29 | 33 | 2.20 | | |
| 42 | 1617 | 34.22 | 33 | 2.50 | | |
| 23 | 2977 | 63.00 | 23 | 0.85 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 25 | 2676 | 56.64 | 23 | 0.95 | | |
| 29 | 2323 | 49.16 | 23 | 1.10 | | |
| 33 | 2080 | 44.02 | 23 | 1.20 | | |
| 39 | 1726 | 36.52 | 23 | 1.35 | | |
| 46 | 1483 | 31.38 | 22 | 1.70 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 52 | 1317 | 27.87 | 22 | 1.85 | | |
| 58 | 1178 | 24.92 | 22 | 2.00 | | |
| 64 | 1058 | 22.40 | 21 | 2.00 | | |
| 74 | 919 | 19.45 | 21 | 2.40 | | |
| 83 | 823 | 17.41 | 20 | 2.50 | | |
| 90 | 756 | 16.00 | 20 | 2.20 | | |
| 100 | 682 | 14.44 | 20 | 2.90 | | |
| 47 | 1453 | 30.76 | 15 | 1.00 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 49 | 1377 | 29.15 | 15 | 1.05 | | |
| 56 | 1205 | 25.51 | 16 | 1.20 | | |
| 63 | 1086 | 22.98 | 17 | 1.35 | | |
| 71 | 953 | 20.16 | 17 | 1.50 | | |
| 81 | 841 | 17.79 | 18 | 1.60 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 91 | 745 | 15.77 | 17 | 1.75 | | |
| 107 | 636 | 13.47 | 17 | 2.00 | | |
| 115 | 590 | 12.48 | 16 | 1.60 | | |
| 132 | 517 | 10.95 | 16 | 1.80 | | |
| 149 | 456 | 9.66 | 15 | 1.95 | | |
| 168 | 405 | 8.57 | 15 | 2.10 | | |
| 197 | 345 | 7.31 | 15 | 2.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 1.7 | 54222 | 835 | 162 | 0.90 | | |
| 2.0 | 47339 | 729 | 171 | 1.05 | | |
| 2.3 | 40391 | 622 | 171 | 1.20 | **GK187R107 GKA187R107** | **4P** |
| 2.8 | 33767 | 520 | 171 | 1.45 | | |
| 3.2 | 29481 | 454 | 171 | 1.65 | | |
| 4.1 | 23053 | 355 | 171 | 2.10 | | |
| 2.0 | 47923 | 738 | 171 | 1.00 | **GK187R97 GKA187R97** | **4P** |
| 2.4 | 40326 | 621 | 171 | 1.20 | | |
| 2.8 | 34222 | 527 | 171 | 1.40 | | |
| 4.6 | 20585 | 317 | 135 | 1.50 | **GK167R107 GKA167R107** | **4P** |
| 5.3 | 17987 | 277 | 135 | 1.70 | | |
| 6.0 | 15845 | 244 | 135 | 1.95 | | |
| 6.9 | 13832 | 213 | 135 | 2.30 | | |
| 7.1 | 13312 | 205 | 135 | 2.30 | | |
| 2.6 | 36430 | 561 | 135 | 0.85 | **GK167R97 GKA167R97** | **4P** |
| 3.0 | 31235 | 481 | 135 | 1.00 | | |
| 3.5 | 27468 | 423 | 135 | 1.15 | | |
| 4.0 | 23962 | 369 | 135 | 1.30 | | |
| 4.4 | 21624 | 333 | 104 | 0.80 | **GK157R97 GKF157R97 GKA157R97 GKAF157R97** | **4P** |
| 5.0 | 18897 | 291 | 106 | 0.95 | | |
| 6.9 | 13832 | 213 | 74 | 0.95 | **GK127R897 GKF127R897 GKA127R897 GKAF127R897** | **4P** |
| 7.3 | 13052 | 201 | 75 | 1.00 | | |
| 8.7 | 10844 | 167 | 76 | 1.20 | | |
| 9.9 | 9546 | 147 | 77 | 1.35 | | |
| 5.4 | 18454 | 134.99 | 135 | 1.60 | **GK167 GKA167** | **8P** |
| 6.6 | 15015 | 109.83 | 135 | 2.00 | | |
| 5.9 | 16924 | 164.50 | 135 | 1.80 | **GK167 GKA167** | **6P** |
| 7.2 | 13888 | 134.99 | 135 | 2.20 | | |
| 8.9 | 11244 | 164.50 | 135 | 2.70 | **GK167 GKA167** | **4P** |
| 11 | 9227 | 134.99 | 135 | 3.30 | | |
| 6.0 | 16732 | 122.39 | 107 | 1.00 | **GK157 GKF157 GKA157 GKAF157** | **8P** |
| 7.3 | 13701 | 100.22 | 108 | 1.25 | | |
| 8.0 | 12529 | 91.65 | 108 | 1.35 | | |
| 9.2 | 10903 | 79.75 | 109 | 1.55 | | |
| 6.4 | 15475 | 150.41 | 107 | 1.10 | **GK157 GKF157 GKA157 GKAF157** | **6P** |
| 7.9 | 12592 | 122.39 | 108 | 1.35 | | |
| 9.7 | 10311 | 100.22 | 109 | 1.65 | | |
| 10.6 | 9429 | 91.65 | 110 | 1.80 | | |
| 12.2 | 8205 | 79.75 | 110 | 2.10 | | |
| 9.7 | 10281 | 150.41 | 109 | 1.65 | **GK157 GKF157 GKA157 GKAF157** | **4P** |
| 12 | 8366 | 122.39 | 110 | 2.00 | | |
| 15 | 6850 | 100.22 | 110 | 2.50 | | |
| 16 | 6265 | 91.65 | 110 | 2.70 | | |
| 11 | 9306 | 136.14 | 77 | 1.30 | | |
| 12 | 8372 | 122.48 | 77 | 1.45 | **GK127 GKF127 GKA127 GKAF127** | **4P** |
| 13 | 7531 | 110.18 | 77 | 1.60 | | |
| 16 | 6144 | 89.89 | 78 | 2.00 | | |
| 18 | 5604 | 81.98 | 78 | 2.20 | | |
| 21 | 4850 | 70.95 | 78 | 2.50 | | |
| 13 | 7684 | 112.41 | 55 | 1.00 | **GK107 GKF107 GKA107 GKAF107** | **4P** |
| 14 | 6887 | 100.75 | 55 | 1.10 | | |
| 16 | 6218 | 90.96 | 55 | 1.20 | | |
| 18 | 5647 | 82.61 | 55 | 1.35 | | |
| 20 | 5010 | 73.30 | 54 | 1.50 | **GK107 GKF107 GKA107 GKAF107** | **4P** |
| 22 | 4547 | 66.52 | 53 | 1.65 | | |
| 26 | 3908 | 57.17 | 52 | 1.90 | | |
| 29 | 3411 | 49.90 | 51 | 2.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 34 | 2893 | 42.33 | 50 | 2.40 | **GK107 GKF107 GKA107 GKAF107** | **4P** |
| 39 | 2529 | 37.00 | 49 | 2.70 | | |
| 21 | 4822 | 70.54 | 31 | 0.85 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 23 | 4276 | 62.55 | 31 | 0.95 | | |
| 26 | 3865 | 56.55 | 31 | 1.05 | | |
| 30 | 3276 | 47.93 | 31 | 1.25 | | |
| 35 | 2862 | 41.87 | 31 | 1.40 | **GK97 GKF97 GKA97 GKAF97** | **4P** |
| 38 | 2617 | 38.29 | 30 | 1.55 | | |
| 43 | 2339 | 34.22 | 30 | 1.70 | | |
| 47 | 2106 | 30.81 | 30 | 1.90 | | |
| 52 | 1907 | 27.90 | 29 | 2.10 | | |
| 59 | 1691 | 24.74 | 29 | 2.40 | | |
| 65 | 1529 | 22.37 | 28 | 2.60 | | |
| 33 | 3009 | 44.02 | 19 | 0.80 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 40 | 2496 | 36.52 | 19 | 0.95 | | |
| 47 | 2145 | 31.38 | 20 | 1.20 | | |
| 52 | 1905 | 27.87 | 20 | 1.30 | | |
| 59 | 1703 | 24.92 | 19 | 1.40 | | |
| 65 | 1531 | 22.40 | 19 | 1.40 | **GK87 GKF87 GKA87 GKAF87** | **4P** |
| 75 | 1329 | 19.45 | 19 | 1.60 | | |
| 84 | 1190 | 17.41 | 19 | 1.75 | | |
| 91 | 1094 | 16.00 | 18 | 1.55 | | |
| 101 | 987 | 14.44 | 18 | 2.00 | | |
| 116 | 859 | 12.56 | 18 | 2.20 | | |
| 131 | 763 | 11.16 | 17 | 1.85 | | |
| 146 | 684 | 10.00 | 17 | 2.10 | | |
| 176 | 567 | 8.29 | 16 | 2.30 | | |
| 202 | 493 | 7.21 | 16 | 2.50 | | |
| 64 | 1571 | 22.98 | 14 | 0.90 | **GK77 GKF77 GKA77 GKAF77** | **4P** |
| 72 | 1378 | 20.16 | 15 | 1.00 | | |
| 82 | 1216 | 17.79 | 16 | 1.10 | | |
| 93 | 1078 | 15.77 | 16 | 1.20 | | |
| 108 | 921 | 13.47 | 15 | 1.35 | | |
| 117 | 853 | 12.48 | 15 | 1.10 | | |
| 133 | 748 | 10.95 | 15 | 1.25 | | |
| 151 | 660 | 9.66 | 14 | 1.35 | | |
| 170 | 586 | 8.57 | 14 | 1.45 | | |
| 200 | 500 | 7.31 | 14 | 1.55 | | |
| **15kW** | | | | | | |
| 2.3 | 55078 | 622 | 161 | 0.90 | **GK187R107 GKA187R107** | **4P** |
| 2.8 | 46046 | 520 | 171 | 1.05 | | |
| 3.2 | 40202 | 454 | 171 | 1.20 | | |
| 4.1 | 31435 | 355 | 171 | 1.55 | | |
| 5.6 | 23112 | 261 | 171 | 2.10 | | |
| 4.6 | 28070 | 317 | 135 | 1.10 | **GK167R107 GKA167R107** | **4P** |
| 5.3 | 24528 | 277 | 135 | 1.30 | | |
| 6.0 | 21606 | 244 | 135 | 1.45 | | |
| 6.9 | 18861 | 213 | 135 | 1.65 | | |
| 7.1 | 18153 | 205 | 135 | 1.75 | | |
| 8.1 | 15939 | 180 | 135 | 1.95 | | |
| 9.2 | 14079 | 159 | 135 | 2.20 | | |
| 6.3 | 20367 | 230 | 105 | 0.85 | **GK157R107 GKF157R107 GKA157R107 GKAF157R107** | **4P** |
| 6.9 | 18861 | 213 | 106 | 0.95 | | |
| 7.8 | 16559 | 187 | 107 | 1.05 | | |
| 9.3 | 13902 | 157 | 108 | 1.30 | | |
| 12 | 10803 | 122 | 109 | 1.65 | | |
| 14 | 9475 | 107 | 110 | 1.90 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **15kW** | | | | | | |
| 5.4 | 25234 | 179.86 | 171 | 1.90 | **GK187** | **6P** |
| 5.9 | 23178 | 165.21 | 171 | 2.10 | **GKA187** | |
| 7.2 | 18939 | 134.99 | 135 | 1.60 | **GK167** | **6P** |
| 8.8 | 15409 | 109.83 | 135 | 1.95 | **GKA167** | |
| 8.9 | 15333 | 164.50 | 135 | 2.00 | **GK167** | **4P** |
| 11 | 12583 | 134.99 | 135 | 2.40 | **GKA167** | |
| 7.9 | 17171 | 122.39 | 107 | 1.00 | **GK157** | **6P** |
| 9.7 | 14061 | 100.22 | 108 | 1.20 | **GKF157** | |
| 11 | 12858 | 91.65 | 108 | 1.35 | **GKA157** | |
| 12 | 11189 | 79.75 | 109 | 1.55 | **GKAF157** | |
| 14 | 9874 | 70.38 | 109 | 1.75 | | |
| 9.7 | 14020 | 150.41 | 108 | 1.20 | **GK157** | **4P** |
| 12 | 11408 | 122.39 | 109 | 1.50 | **GKF157** | |
| 15 | 9342 | 100.22 | 108 | 1.85 | **GKA157** | |
| 16 | 8543 | 91.65 | 107 | 2.00 | **GKAF157** | |
| 18 | 7434 | 79.75 | 104 | 2.30 | | |
| 11 | 12690 | 136.14 | 75 | 0.95 | **GK127** | **4P** |
| 12 | 11416 | 122.48 | 76 | 1.10 | **GKF127** | |
| 13 | 10270 | 110.18 | 76 | 1.20 | **GKA127** | |
| | | | | | **GKAF127** | |
| 16 | 8379 | 89.89 | 77 | 1.45 | | **4P** |
| 18 | 7641 | 81.98 | 77 | 1.60 | **GK127** | |
| 21 | 6613 | 70.95 | 78 | 1.85 | **GKF127** | |
| 23 | 5835 | 62.60 | 76 | 2.10 | **GKA127** | |
| 27 | 5040 | 54.07 | 74 | 2.50 | **GKAF127** | |
| 31 | 4457 | 47.82 | 72 | 2.80 | | |
| 16 | 8478 | 90.96 | 48 | 0.90 | **GK107** | **4P** |
| 18 | 7700 | 82.61 | 49 | 1.00 | **GKF107** | |
| 20 | 6832 | 73.30 | 49 | 1.10 | **GKA107** | |
| 22 | 6200 | 66.52 | 48 | 1.25 | **GKAF107** | |
| 26 | 5329 | 57.17 | 48 | 1.45 | | **4P** |
| 29 | 4651 | 49.90 | 48 | 1.60 | **GK107** | |
| 34 | 3946 | 42.33 | 47 | 1.75 | **GKF107** | |
| 39 | 3449 | 37.00 | 46 | 2.00 | **GKA107** | |
| 45 | 3046 | 32.68 | 45 | 2.20 | **GKAF107** | |
| 47 | 2916 | 31.28 | 44 | 2.20 | | |
| 50 | 2702 | 28.99 | 44 | 2.50 | | |
| 30 | 4468 | 47.93 | 27 | 0.90 | **GK97** | **4P** |
| 35 | 3903 | 41.87 | 27 | 1.05 | **GKF97** | |
| 38 | 3569 | 38.29 | 27 | 1.15 | **GKA97** | |
| 43 | 3190 | 34.22 | 27 | 1.30 | **GKAF97** | |
| 47 | 2872 | 30.81 | 27 | 1.40 | | |
| 52 | 2601 | 27.90 | 27 | 1.55 | **GK97** | **4P** |
| 59 | 2306 | 24.74 | 27 | 1.75 | **GKF97** | |
| 65 | 2085 | 22.37 | 26 | 1.95 | **GKA97** | |
| 77 | 1767 | 18.96 | 26 | 2.30 | **GKAF97** | |
| 88 | 1544 | 16.56 | 25 | 2.70 | | |
| 47 | 2925 | 31.38 | 16 | 0.90 | | **4P** |
| 52 | 2598 | 27.87 | 17 | 0.95 | **GK87** | |
| 59 | 2323 | 24.92 | 17 | 1.00 | **GKF87** | |
| 65 | 2088 | 22.40 | 17 | 1.05 | **GKA87** | |
| 75 | 1813 | 19.45 | 17 | 1.20 | **GKAF87** | |
| 84 | 1623 | 17.41 | 17 | 1.30 | | |
| 91 | 1491 | 16.00 | 16 | 1.15 | **GK87** | **4P** |
| 101 | 1346 | 14.44 | 17 | 1.50 | **GKF87** | |
| 116 | 1171 | 12.56 | 17 | 1.60 | **GKA87** | |
| 131 | 1040 | 11.16 | 16 | 1.35 | **GKAF87** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **15kW** | | | | | | |
| 146 | 932 | 10.00 | 16 | 1.55 | **GK87** | **4P** |
| 176 | 773 | 8.29 | 15 | 1.70 | **GKF87** | |
| 202 | 672 | 7.21 | 15 | 1.85 | **GKA87** | |
| | | | | | **GKAF87** | |
| **18.5kW** | | | | | | |
| 2.8 | 56404 | 520 | 159 | 0.85 | | **4P** |
| 3.2 | 49245 | 454 | 171 | 1.00 | **GK187R107** | |
| 4.1 | 38506 | 355 | 171 | 1.25 | **GKA187R107** | |
| 5.6 | 28310 | 261 | 171 | 1.70 | | |
| 6.7 | 23972 | 221 | 171 | 2.00 | | |
| 4.6 | 34385 | 317 | 135 | 0.90 | | **4P** |
| 5.3 | 30046 | 277 | 135 | 1.05 | | |
| 6.0 | 26466 | 244 | 135 | 1.20 | | |
| 6.9 | 23104 | 213 | 135 | 1.35 | **GK167R107** | |
| 7.2 | 22236 | 205 | 135 | 1.40 | **GKA167R107** | |
| 8.2 | 19524 | 180 | 135 | 1.60 | | |
| 9.2 | 17247 | 159 | 135 | 1.80 | | |
| 11 | 14643 | 135 | 135 | 2.10 | | |
| 12 | 12799 | 118 | 135 | 2.40 | | |
| 7.9 | 20284 | 187 | 105 | 0.90 | **GK157R107** | **4P** |
| 9.4 | 17030 | 157 | 107 | 1.05 | **GKF157R107** | |
| 12 | 13233 | 122 | 108 | 1.35 | **GKA157R107** | |
| 14 | 11606 | 107 | 107 | 1.55 | **GKAF157R107** | |
| 5.4 | 31122 | 179.86 | 171 | 1.55 | | **6P** |
| 5.9 | 28587 | 165.21 | 171 | 1.65 | **GK187** | |
| 6.7 | 25019 | 144.59 | 171 | 1.90 | **GKA187** | |
| 7.5 | 22441 | 129.69 | 171 | 2.10 | | |
| 8.2 | 20536 | 179.86 | 171 | 2.30 | | **4P** |
| 8.9 | 18863 | 165.21 | 171 | 2.50 | **GK187** | |
| 10 | 16509 | 144.59 | 171 | 2.90 | **GKA187** | |
| 11 | 14808 | 129.69 | 171 | 3.20 | | |
| 11 | 15413 | 134.99 | 135 | 1.95 | **GK167** | **4P** |
| 13 | 12540 | 109.83 | 135 | 2.40 | **GKA167** | |
| 17 | 10032 | 87.86 | 135 | 3.00 | | |
| 9.7 | 17341 | 100.22 | 106 | 1.00 | **GK157** | **6P** |
| 11 | 15858 | 91.65 | 107 | 1.10 | **GKF157** | |
| 12 | 13799 | 79.75 | 106 | 1.25 | **GKA157** | |
| 14 | 12178 | 70.38 | 104 | 1.40 | **GKAF157** | |
| 12 | 13974 | 122.39 | 106 | 1.20 | | **4P** |
| 15 | 11443 | 100.22 | 104 | 1.50 | | |
| 16 | 10464 | 91.65 | 102 | 1.65 | **GK157** | |
| 18 | 9106 | 79.75 | 100 | 1.85 | **GKF157** | |
| 21 | 8036 | 70.38 | 98 | 2.10 | **GKA157** | |
| 24 | 6967 | 61.02 | 96 | 2.50 | **GKAF157** | |
| 27 | 6199 | 54.29 | 94 | 2.80 | | |
| 31 | 5342 | 46.79 | 91 | 3.20 | | |
| 39 | 4341 | 38.02 | 87 | 3.90 | | |
| 13 | 12580 | 110.18 | 75 | 1.00 | **GK127** | **4P** |
| 16 | 10263 | 89.89 | 75 | 1.20 | **GKF127** | |
| 18 | 9360 | 81.98 | 75 | 1.30 | **GKA127** | |
| | | | | | **GKAF127** | |
| 21 | 8101 | 70.95 | 74 | 1.50 | | **4P** |
| 23 | 7148 | 62.60 | 73 | 1.70 | | |
| 27 | 6174 | 54.07 | 71 | 2.00 | **GK127** | |
| 31 | 5460 | 47.82 | 70 | 2.20 | **GKF127** | |
| 37 | 4589 | 40.19 | 68 | 2.70 | **GKA127** | |
| 40 | 4146 | 36.31 | 66 | 3.00 | **GKAF127** | |
| 47 | 3587 | 31.42 | 65 | 3.40 | | |
| 53 | 3166 | 27.73 | 63 | 3.90 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **18.5kW** | | | | | | |
| 20 | 8369 | 73.30 | 44 | 0.90 | **GK107** | **4P** |
| 22 | 7595 | 66.52 | 44 | 1.00 | **GKF107** | |
| 26 | 6528 | 57.17 | 44 | 1.15 | **GKA107** | |
| 29 | 5697 | 49.90 | 44 | 1.30 | **GKAF107** | |
| 35 | 4833 | 42.33 | 44 | 1.45 | | |
| 40 | 4225 | 37.00 | 43 | 1.60 | | |
| 45 | 3731 | 32.68 | 43 | 1.85 | **GK107** | **4P** |
| 47 | 3571 | 31.28 | 43 | 1.80 | **GKF107** | |
| 51 | 3310 | 28.99 | 42 | 2.10 | **GKA107** | |
| 56 | 3004 | 26.31 | 42 | 2.30 | **GKAF107** | |
| 65 | 2582 | 22.61 | 41 | 2.60 | | |
| 74 | 2254 | 19.74 | 40 | 3.00 | | |
| 88 | 1911 | 16.74 | 38 | 3.50 | | |
| 35 | 4781 | 41.87 | 24 | 0.85 | **GK97** | **4P** |
| 48 | 3518 | 30.81 | 25 | 1.15 | **GKF97** | |
| 53 | 3186 | 27.90 | 25 | 1.30 | **GKA97** | |
| 59 | 2825 | 24.74 | 25 | 1.45 | **GKAF97** | |
| 66 | 2554 | 22.37 | 25 | 1.60 | **GK97** | **4P** |
| 78 | 2165 | 18.96 | 24 | 1.90 | **GKF97** | |
| 89 | 1891 | 16.56 | 24 | 2.20 | **GKA97** | |
| 106 | 1581 | 13.85 | 24 | 2.60 | **GKAF97** | |
| 123 | 1369 | 11.99 | 23 | 2.70 | | |
| 59 | 2845 | 24.92 | 15 | 0.85 | | |
| 66 | 2558 | 22.40 | 15 | 0.85 | | |
| 76 | 2221 | 19.45 | 15 | 1.00 | | |
| 84 | 1988 | 17.41 | 16 | 1.05 | **GK87** | **4P** |
| 102 | 1649 | 14.44 | 16 | 1.20 | **GKF87** | |
| 117 | 1434 | 12.56 | 16 | 1.30 | **GKA87** | |
| 132 | 1274 | 11.16 | 15 | 1.10 | **GKAF87** | |
| 147 | 1142 | 10.00 | 15 | 1.25 | | |
| 177 | 947 | 8.29 | 14 | 1.40 | | |
| 204 | 823 | 7.21 | 14 | 1.50 | | |
| **22kW** | | | | | | |
| 3.2 | 58561 | 454 | 155 | 0.85 | | |
| 4.1 | 45791 | 355 | 171 | 1.05 | | |
| 5.6 | 33666 | 261 | 171 | 1.45 | **GK187R107** | **4P** |
| 6.7 | 28507 | 221 | 171 | 1.70 | **GKA187R107** | |
| 7.6 | 24895 | 193 | 171 | 1.95 | | |
| 9 | 21025 | 163 | 171 | 2.30 | | |
| 5.3 | 35730 | 277 | 135 | 0.85 | | |
| 6.0 | 31474 | 244 | 135 | 1.00 | | |
| 6.9 | 27475 | 213 | 135 | 1.15 | | |
| 7.2 | 26443 | 205 | 135 | 1.20 | **GK167R107** | **4P** |
| 8.2 | 23218 | 180 | 135 | 1.35 | **GKA167R107** | |
| 9.2 | 20509 | 159 | 135 | 1.50 | | |
| 11 | 17414 | 135 | 135 | 1.80 | | |
| 12 | 15221 | 118 | 135 | 2.10 | | |
| 9.4 | 20251 | 157 | 104 | 0.90 | **GK157R107** | **4P** |
| 12 | 15737 | 122 | 103 | 1.15 | **GKF157R107** | |
| 14 | 13802 | 107 | 102 | 1.30 | **GKA157R107** | |
| | | | | | **GKAF157R107** | |
| 5.4 | 37009 | 179.86 | 171 | 1.30 | | |
| 5.9 | 33995 | 165.21 | 171 | 1.40 | **GK187** | **6P** |
| 6.7 | 29752 | 144.59 | 171 | 1.60 | **GKA187** | |
| 7.5 | 26686 | 129.69 | 171 | 1.80 | | |
| 8.6 | 23169 | 112.60 | 171 | 1.90 | | |
| 8.2 | 24421 | 179.86 | 171 | 1.95 | **GK187** | **4P** |
| 8.9 | 22432 | 165.21 | 171 | 2.10 | **GKA187** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **22kW** | | | | | | |
| 10 | 19632 | 144.59 | 171 | 2.40 | **GK187** | **4P** |
| 11 | 17609 | 129.69 | 171 | 2.70 | **GKA187** | |
| 11 | 18329 | 134.99 | 135 | 1.65 | | |
| 13 | 14913 | 109.83 | 135 | 2.00 | **GK167** | **4P** |
| 17 | 11930 | 87.86 | 135 | 2.50 | **GKA167** | |
| 19 | 10610 | 78.14 | 135 | 2.90 | | |
| 9.7 | 20622 | 100.22 | 101 | 0.85 | **GK157** | **6P** |
| 11 | 18859 | 91.65 | 101 | 0.90 | **GKF157** | |
| 12 | 16410 | 79.75 | 100 | 1.05 | **GKA157** | |
| 14 | 14482 | 70.38 | 99 | 1.20 | **GKAF157** | |
| 16 | 12556 | 61.02 | 98 | 1.35 | | |
| 12 | 16618 | 122.39 | 100 | 1.05 | | |
| 15 | 13608 | 100.22 | 99 | 1.25 | | |
| 16 | 12444 | 91.65 | 98 | 1.35 | **GK157** | **4P** |
| 18 | 10828 | 79.75 | 97 | 1.55 | **GKF157** | |
| 21 | 9556 | 70.38 | 95 | 1.80 | **GKA157** | |
| 24 | 8285 | 61.02 | 93 | 2.10 | **GKAF157** | |
| 27 | 7371 | 54.29 | 91 | 2.30 | | |
| 31 | 6353 | 46.79 | 89 | 2.70 | | |
| 39 | 5162 | 38.02 | 85 | 3.30 | | |
| 16 | 12205 | 89.89 | 70 | 1.00 | **GK127** | **4P** |
| 18 | 11131 | 81.98 | 70 | 1.10 | **GKF127** | |
| 21 | 9634 | 70.95 | 70 | 1.30 | **GKA127** | |
| 23 | 8500 | 62.60 | 69 | 1.45 | **GKAF127** | |
| 27 | 7342 | 54.07 | 67 | 1.70 | | |
| 31 | 6493 | 47.82 | 67 | 1.90 | | |
| 37 | 5457 | 40.19 | 66 | 2.30 | **GK127** | **4P** |
| 40 | 4930 | 36.31 | 64 | 2.50 | **GKF127** | |
| 47 | 4266 | 31.42 | 63 | 2.90 | **GKA127** | |
| 53 | 3765 | 27.73 | 61 | 3.30 | **GKAF127** | |
| 61 | 3252 | 23.95 | 60 | 3.80 | | |
| 69 | 2876 | 21.18 | 58 | 4.30 | | |
| 26 | 7762 | 57.17 | 41 | 1.00 | **GK107** | **4P** |
| 29 | 6775 | 49.90 | 41 | 1.10 | **GKF107** | |
| 35 | 5748 | 42.33 | 41 | 1.20 | **GKA107** | |
| | | | | | **GKAF107** | |
| 40 | 5024 | 37.00 | 41 | 1.35 | | |
| 45 | 4437 | 32.68 | 41 | 1.55 | | |
| 47 | 4247 | 31.28 | 41 | 1.50 | | |
| 51 | 3936 | 28.99 | 40 | 1.75 | | |
| 56 | 3572 | 26.31 | 40 | 1.90 | **GK107** | **4P** |
| 65 | 3070 | 22.61 | 39 | 2.20 | **GKF107** | |
| 74 | 2680 | 19.74 | 38 | 2.50 | **GKA107** | |
| 88 | 2273 | 16.74 | 37 | 2.90 | **GKAF107** | |
| 100 | 1986 | 14.63 | 36 | 3.30 | | |
| 109 | 1824 | 13.43 | 35 | 2.20 | | |
| 125 | 1591 | 11.72 | 34 | 2.60 | | |
| 148 | 1350 | 9.94 | 33 | 2.90 | | |
| 48 | 4183 | 30.81 | 22 | 0.95 | **GK97** | **4P** |
| 53 | 3788 | 27.90 | 23 | 1.05 | **GKF97** | |
| 59 | 3359 | 24.74 | 23 | 1.20 | **GKA97** | |
| 66 | 3037 | 22.37 | 23 | 1.35 | **GKAF97** | |
| 78 | 2574 | 18.96 | 23 | 1.60 | | |
| 89 | 2248 | 16.56 | 23 | 1.80 | **GK97** | **4P** |
| 106 | 1881 | 13.85 | 23 | 2.20 | **GKF97** | |
| 123 | 1628 | 11.99 | 22 | 2.30 | **GKA97** | |
| 141 | 1413 | 10.41 | 21 | 1.90 | **GKAF97** | |
| 169 | 1183 | 8.71 | 20 | 2.10 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **22kW** | | | | | | |
| 76 | 2641 | 19.45 | 14 | 0.80 | | |
| 84 | 2364 | 17.41 | 14 | 0.90 | | |
| 102 | 1961 | 14.44 | 14 | 1.00 | **GK87** | |
| 117 | 1705 | 12.56 | 15 | 1.10 | **GKF87** | |
| 132 | 1515 | 11.16 | 13 | 0.95 | **GKA87** | **4P** |
| 147 | 1358 | 10.00 | 13 | 1.05 | **GKAF87** | |
| 177 | 1126 | 8.29 | 14 | 1.20 | | |
| 204 | 979 | 7.21 | 13 | 1.25 | | |
| **30kW** | | | | | | |
| 5.6 | 45909 | 261 | 171 | 1.05 | | |
| 6.7 | 38873 | 221 | 171 | 1.25 | **GK187R107** | |
| 7.6 | 33948 | 193 | 171 | 1.45 | **GKA187R107** | **4P** |
| 9 | 28671 | 163 | 171 | 1.70 | | |
| 6.9 | 37466 | 213 | 135 | 0.85 | | |
| 7.2 | 36059 | 205 | 135 | 0.85 | | |
| 8.2 | 31661 | 180 | 135 | 1.00 | **GK167R107** | |
| 9.2 | 27967 | 159 | 135 | 1.10 | **GKA167R107** | **4P** |
| 11 | 23746 | 135 | 135 | 1.30 | | |
| 12 | 20756 | 118 | 135 | 1.50 | | |
| 8.2 | 33302 | 179.86 | 171 | 1.45 | | |
| 8.9 | 30589 | 165.21 | 171 | 1.55 | | |
| 10 | 26771 | 144.59 | 171 | 1.75 | **GK187** | |
| 11 | 24013 | 129.69 | 171 | 2.00 | **GKA187** | **4P** |
| 13 | 20848 | 112.60 | 171 | 2.22 | | |
| 14 | 18915 | 102.16 | 171 | 2.30 | | |
| 17 | 16293 | 88.00 | 171 | 2.50 | | |
| 13 | 20335 | 109.83 | 135 | 1.50 | | |
| 17 | 16268 | 87.86 | 135 | 1.85 | **GK167** | |
| 19 | 14468 | 78.14 | 135 | 2.10 | **GKA167** | **4P** |
| 22 | 12605 | 68.08 | 135 | 2.40 | | |
| 24 | 11246 | 60.74 | 135 | 2.70 | | |
| 15 | 18556 | 100.22 | 88 | 0.90 | | |
| 16 | 16969 | 91.65 | 88 | 1.00 | | |
| 18 | 14766 | 79.75 | 88 | 1.15 | **GK157** | |
| 21 | 13031 | 70.38 | 87 | 1.30 | **GKF157** | |
| 24 | 11298 | 61.02 | 86 | 1.50 | **GKA157** | **4P** |
| 27 | 10052 | 54.29 | 85 | 1.70 | **GKAF157** | |
| 31 | 8663 | 46.79 | 83 | 1.95 | | |
| 39 | 7040 | 38.02 | 81 | 2.40 | | |
| 47 | 5795 | 31.30 | 78 | 3.00 | | |
| 21 | 13137 | 70.95 | 61 | 0.95 | | |
| 23 | 11591 | 62.60 | 61 | 1.05 | | |
| 27 | 10011 | 54.07 | 61 | 1.25 | | |
| 31 | 8854 | 47.82 | 61 | 1.40 | **GK127** | |
| 37 | 7441 | 40.19 | 61 | 1.65 | **GKF127** | |
| 40 | 6723 | 36.31 | 60 | 1.85 | **GKA127** | **4P** |
| 47 | 5818 | 31.42 | 59 | 2.10 | **GKAF127** | |
| 53 | 5134 | 27.73 | 58 | 2.40 | | |
| 61 | 4434 | 23.95 | 57 | 2.80 | | |
| 69 | 3922 | 21.18 | 56 | 3.00 | | |
| 35 | 7838 | 42.33 | 34 | 0.90 | **GK107** | |
| 40 | 6851 | 37.00 | 36 | 1.00 | **GKF107** | |
| 47 | 5792 | 31.28 | 34 | 1.10 | **GKA107** | **4P** |
| | | | | | **GKAF107** | |
| 51 | 5368 | 28.99 | 36 | 1.25 | **GK107** | |
| 56 | 4871 | 26.31 | 36 | 1.40 | **GKF107** | |
| 65 | 4186 | 22.61 | 36 | 1.65 | **GKA107** | **4P** |
| 74 | 3655 | 19.74 | 36 | 1.85 | **GKAF107** | |
| 88 | 3099 | 16.74 | 35 | 2.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **30kW** | | | | | | |
| 100 | 2709 | 14.63 | 34 | 2.40 | **GK107** | |
| 109 | 2487 | 13.43 | 33 | 1.65 | **GKF107** | |
| 125 | 2170 | 11.72 | 32 | 1.90 | **GKA107** | **4P** |
| 148 | 1840 | 9.94 | 31 | 2.20 | **GKAF107** | |
| 169 | 1609 | 8.69 | 31 | 2.40 | | |
| 59 | 4581 | 24.74 | 19 | 0.90 | | |
| 66 | 4142 | 22.37 | 19 | 1.00 | | |
| 78 | 3511 | 18.96 | 20 | 1.15 | **GK97** | |
| 89 | 3066 | 16.56 | 20 | 1.35 | **GKF97** | **4P** |
| 106 | 2564 | 13.85 | 20 | 1.60 | **GKA97** | |
| 123 | 2220 | 11.99 | 20 | 1.65 | **GKAF97** | |
| 141 | 1927 | 10.41 | 19 | 1.40 | | |
| 169 | 1613 | 8.71 | 18 | 1.55 | | |
| **37kW** | | | | | | |
| 5.7 | 56238 | 261 | 158 | 0.85 | | |
| 6.7 | 47619 | 221 | 171 | 1.00 | **GK187R107** | |
| 7.7 | 41586 | 193 | 171 | 1.15 | **GKA187R107** | **4P** |
| 9 | 35122 | 163 | 171 | 1.40 | | |
| 8.2 | 38785 | 180 | 135 | 0.80 | | |
| 9 | 34260 | 159 | 135 | 0.90 | **GK167R107** | |
| 11 | 29089 | 135 | 135 | 1.05 | **GKA167R107** | **4P** |
| 13 | 25426 | 118 | 135 | 1.20 | | |
| 8.2 | 40794 | 179.86 | 171 | 1.15 | | |
| 9.0 | 37472 | 165.21 | 171 | 1.25 | | |
| 10 | 32795 | 144.59 | 171 | 1.45 | | |
| 11 | 29415 | 129.69 | 171 | 1.60 | **GK187** | **4P** |
| 13 | 25539 | 112.60 | 171 | 1.75 | **GKA187** | |
| 14 | 23171 | 102.16 | 171 | 1.85 | | |
| 17 | 19960 | 88.00 | 171 | 2.00 | | |
| 13 | 24911 | 109.83 | 135 | 1.20 | | |
| 17 | 19928 | 87.86 | 135 | 1.50 | | |
| 19 | 17723 | 78.14 | 135 | 1.70 | **GK167** | |
| 22 | 15441 | 68.08 | 135 | 1.95 | **GKA167** | **4P** |
| 24 | 13777 | 60.74 | 135 | 2.20 | | |
| 29 | 11742 | 51.77 | 135 | 2.60 | | |
| 16 | 20787 | 91.65 | 79 | 0.80 | **GK157** | |
| 19 | 18088 | 79.75 | 80 | 0.95 | **GKF157** | **4P** |
| | | | | | **GKA157** | |
| | | | | | **GKAF157** | |
| 21 | 15963 | 70.38 | 81 | 1.05 | | |
| 24 | 13840 | 61.02 | 80 | 1.25 | **GK157** | |
| 27 | 12314 | 54.29 | 80 | 1.40 | **GKF157** | **4P** |
| 32 | 10613 | 46.79 | 79 | 1.60 | **GKA157** | |
| 39 | 8623 | 38.02 | 77 | 1.95 | **GKAF157** | |
| 47 | 7099 | 31.30 | 75 | 2.40 | | |
| 24 | 14198 | 62.60 | 55 | 0.85 | **GK127** | |
| 27 | 12264 | 54.07 | 56 | 1.00 | **GKF127** | **4P** |
| 31 | 10846 | 47.82 | 56 | 1.15 | **GKA127** | |
| 37 | 9116 | 40.19 | 56 | 1.35 | **GKAF127** | |
| 41 | 8236 | 36.31 | 56 | 1.50 | | |
| 47 | 7126 | 31.42 | 56 | 1.70 | | |
| 53 | 6290 | 27.73 | 55 | 1.95 | | |
| 62 | 5432 | 23.95 | 54 | 2.30 | **GK127** | |
| 70 | 4804 | 21.18 | 53 | 2.60 | **GKF127** | **4P** |
| 83 | 4037 | 17.80 | 52 | 3.00 | **GKA127** | |
| 103 | 3262 | 14.38 | 50 | 3.50 | **GKAF127** | |
| 116 | 2905 | 12.81 | 48 | 2.80 | | |
| 138 | 2441 | 10.76 | 46 | 3.10 | | |
| 170 | 1971 | 8.69 | 44 | 3.50 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **37kW** | | | | | | |
| 40 | 8392 | 37.00 | 28 | 0.80 | | |
| 47 | 7095 | 31.28 | 30 | 0.90 | | |
| 51 | 6575 | 28.99 | 32 | 1.05 | | |
| 56 | 5967 | 26.31 | 33 | 1.15 | | |
| 65 | 5128 | 22.61 | 33 | 1.30 | **GK107** | |
| 75 | 4477 | 19.74 | 33 | 1.50 | **GKF107** | |
| 88 | 3797 | 16.74 | 33 | 1.75 | **GKA107** | **4P** |
| 101 | 3318 | 14.63 | 32 | 1.95 | **GKAF107** | |
| 110 | 3046 | 13.43 | 31 | 1.35 | | |
| 126 | 2658 | 11.72 | 30 | 1.55 | | |
| 149 | 2255 | 9.94 | 30 | 1.75 | | |
| 170 | 1971 | 8.69 | 29 | 1.95 | | |
| **45kW** | | | | | | |
| 6.7 | 57915 | 221 | 155 | 0.85 | **GK187R107** | |
| 7.7 | 50578 | 193 | 167 | 0.95 | **GKA187R107** | **4P** |
| 9 | 42716 | 163 | 171 | 1.15 | | |
| 11 | 35378 | 135 | 135 | 0.85 | **GK167R107** | |
| 13 | 30923 | 118 | 135 | 1.00 | **GKA167R107** | **4P** |
| 8 | 47134 | 179.86 | 167 | 0.95 | | |
| 9 | 43295 | 165.21 | 171 | 1.05 | | |
| 10 | 37891 | 144.59 | 171 | 1.20 | | |
| 11 | 33987 | 129.69 | 171 | 1.30 | **GK187** | |
| 13 | 29508 | 112.60 | 171 | 1.45 | **GKA187** | **4P** |
| 14 | 26772 | 102.16 | 171 | 1.50 | | |
| 17 | 23061 | 88.00 | 171 | 1.65 | | |
| 20 | 19382 | 73.96 | 171 | 1.95 | | |
| 13 | 28782 | 109.83 | 135 | 1.00 | | |
| 17 | 23025 | 87.86 | 135 | 1.25 | | |
| 19 | 20477 | 78.14 | 135 | 1.40 | **GK167** | |
| 22 | 17841 | 68.08 | 135 | 1.60 | **GKA167** | **4P** |
| 24 | 15918 | 60.74 | 134 | 1.80 | | |
| 29 | 13567 | 51.77 | 130 | 2.10 | | |
| 34 | 11242 | 42.90 | 127 | 2.60 | | |
| 21 | 19415 | 70.38 | 73 | 0.85 | | |
| 24 | 16833 | 61.02 | 74 | 1.00 | | |
| 27 | 14976 | 54.29 | 74 | 1.15 | | |
| 32 | 12907 | 46.79 | 74 | 1.30 | **GK157** | |
| 39 | 10488 | 38.02 | 73 | 1.60 | **GKF157** | |
| 47 | 8634 | 31.30 | 72 | 1.95 | **GKA157** | **4P** |
| 54 | 7619 | 27.62 | 71 | 2.20 | **GKAF157** | |
| 62 | 6607 | 23.95 | 69 | 2.60 | | |
| 69 | 5878 | 21.31 | 68 | 2.90 | | |
| 81 | 5067 | 18.37 | 66 | 3.30 | | |
| 31 | 13191 | 47.82 | 50 | 0.95 | **GK127** | |
| 37 | 11087 | 40.19 | 51 | 1.10 | **GKF127** | |
| 41 | 10016 | 36.31 | 51 | 1.25 | **GKA127** | **4P** |
| | | | | | **GKAF127** | |
| 47 | 8667 | 31.42 | 52 | 1.40 | | |
| 53 | 7649 | 27.73 | 51 | 1.60 | | |
| 62 | 6607 | 23.95 | 51 | 1.85 | **GK127** | |
| 70 | 5843 | 21.18 | 51 | 2.10 | **GKF127** | |
| 83 | 4910 | 17.80 | 50 | 2.50 | **GKA127** | **4P** |
| 103 | 3967 | 14.38 | 48 | 2.90 | **GKAF127** | |
| 116 | 3534 | 12.81 | 46 | 2.30 | | |
| 138 | 2968 | 10.76 | 45 | 2.50 | | |
| 170 | 2397 | 8.69 | 43 | 2.80 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **45kW** | | | | | | |
| 51 | 7997 | 28.99 | 24 | 0.85 | **GK107** | |
| 56 | 7258 | 26.31 | 27 | 0.95 | **GKF107** | |
| 65 | 6237 | 22.61 | 29 | 1.10 | **GKA107** | **4P** |
| 75 | 5445 | 19.74 | 30 | 1.25 | **GKAF107** | |
| 88 | 4618 | 16.74 | 30 | 1.45 | | |
| 101 | 4036 | 14.63 | 30 | 1.60 | **GK107** | |
| 110 | 3705 | 13.43 | 28 | 1.10 | **GKF107** | |
| 126 | 3233 | 11.72 | 28 | 1.25 | **GKA107** | **4P** |
| 149 | 2742 | 9.94 | 28 | 1.45 | **GKAF107** | |
| 170 | 2397 | 8.69 | 28 | 1.60 | | |
| **55kW** | | | | | | |
| 10 | 48749 | 144.59 | 169 | 0.95 | | |
| 11 | 43725 | 129.69 | 171 | 1.10 | | |
| 13 | 37964 | 112.60 | 171 | 1.15 | | |
| 14 | 34444 | 102.16 | 170 | 1.25 | **GK187** | |
| 17 | 29670 | 88.00 | 168 | 1.35 | **GKA187** | **4P** |
| 20 | 24936 | 73.96 | 166 | 1.60 | | |
| 23 | 21591 | 64.04 | 162 | 1.90 | | |
| 17 | 29622 | 87.86 | 131 | 1.00 | | |
| 19 | 26345 | 78.14 | 130 | 1.15 | | |
| 22 | 22953 | 68.08 | 129 | 1.30 | | |
| 24 | 20479 | 60.74 | 128 | 1.50 | **GK167** | |
| 29 | 17454 | 51.77 | 125 | 1.75 | **GKA167** | **4P** |
| 34 | 14464 | 42.90 | 121 | 2.10 | | |
| 40 | 12343 | 36.61 | 119 | 2.50 | | |
| 24 | 20573 | 61.02 | 66 | 0.85 | | |
| 27 | 18304 | 54.29 | 67 | 0.95 | | |
| 32 | 15775 | 46.79 | 68 | 1.10 | | |
| 39 | 12819 | 38.02 | 68 | 1.35 | **GK157** | |
| 47 | 10553 | 31.30 | 67 | 1.60 | **GKF157** | |
| 54 | 9312 | 27.62 | 67 | 1.85 | **GKA157** | **4P** |
| 62 | 8075 | 23.95 | 66 | 2.10 | **GKAF157** | |
| 69 | 7185 | 21.31 | 65 | 2.40 | | |
| 81 | 6194 | 18.37 | 64 | 2.80 | | |
| 99 | 5030 | 14.92 | 62 | 3.40 | | |
| 117 | 4268 | 12.66 | 60 | 3.80 | | |
| 37 | 13550 | 40.19 | 45 | 0.90 | **GK127** | |
| 47 | 10593 | 31.42 | 47 | 1.15 | **GKF127** | |
| 53 | 9349 | 27.73 | 47 | 1.30 | **GKA127** | **4P** |
| | | | | | **GKAF127** | |
| 62 | 8075 | 23.95 | 47 | 1.55 | | |
| 70 | 7141 | 21.18 | 47 | 1.75 | | |
| 83 | 6001 | 17.80 | 47 | 2.00 | **GK127** | |
| 103 | 4848 | 14.38 | 46 | 2.40 | **GKF127** | |
| 116 | 4319 | 12.81 | 44 | 1.85 | **GKA127** | **4P** |
| 138 | 3628 | 10.76 | 43 | 2.10 | **GKAF127** | |
| 170 | 2930 | 8.69 | 41 | 2.30 | | |
| **75kW** | | | | | | |
| 11 | 59626 | 129.69 | 148 | 0.80 | | |
| 13 | 51768 | 112.60 | 149 | 0.90 | | |
| 14 | 46969 | 102.16 | 150 | 1.00 | | |
| 17 | 40458 | 88.00 | 150 | 1.15 | **GK187** | |
| 20 | 34003 | 73.96 | 149 | 1.40 | **GKA187** | **4P** |
| 23 | 29443 | 64.04 | 147 | 1.60 | | |
| 28 | 24533 | 53.36 | 144 | 1.95 | | |
| 33 | 20919 | 45.50 | 141 | 2.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **75kW** | | | | | | |
| 19 | 35925 | 78.14 | 113 | 0.85 | **GK167 GKA167** | **4P** |
| 22 | 31300 | 68.08 | 114 | 0.95 | | |
| 24 | 27926 | 60.74 | 115 | 1.10 | | |
| 29 | 23802 | 51.77 | 114 | 1.30 | | |
| 34 | 19723 | 42.90 | 113 | 1.55 | | |
| 40 | 16832 | 36.61 | 111 | 1.80 | | |
| 46 | 14781 | 32.15 | 109 | 2.10 | | |
| 52 | 13186 | 28.68 | 107 | 2.30 | | |
| 61 | 11241 | 24.45 | 105 | 2.70 | | |
| 39 | 17480 | 38.02 | 58 | 1.00 | **GK157 GKF157 GKA157 GKAF157** | **4P** |
| 47 | 14390 | 31.30 | 59 | 1.20 | | |
| 54 | 12698 | 27.62 | 59 | 1.35 | | |
| 62 | 11011 | 23.95 | 59 | 1.55 | | |
| 69 | 9797 | 21.31 | 59 | 1.75 | | |
| 81 | 8446 | 18.37 | 59 | 2.00 | | |
| 99 | 6860 | 14.92 | 57 | 2.50 | | |
| 117 | 5820 | 12.66 | 56 | 2.80 | | |
| 47 | 14446 | 31.42 | 37 | 0.85 | **GK127 GKF127 GKA127 GKAF127** | **4P** |
| 53 | 12749 | 27.73 | 39 | 0.95 | | |
| 62 | 11011 | 23.95 | 40 | 1.10 | | |
| 70 | 9738 | 21.18 | 41 | 1.25 | | |
| 83 | 8184 | 17.80 | 41 | 1.50 | | |
| 103 | 6611 | 14.38 | 42 | 1.75 | | |
| 116 | 5889 | 12.81 | 39 | 1.40 | | |
| 138 | 4947 | 10.76 | 39 | 1.55 | | |
| 170 | 3995 | 8.69 | 38 | 1.70 | | |
| **90kW** | | | | | | |
| 15 | 55984 | 102.16 | 136 | 0.85 | **GK187 GKA187** | **4P** |
| 17 | 48224 | 88.00 | 138 | 1.00 | | |
| 20 | 40530 | 73.96 | 139 | 1.15 | | |
| 23 | 35094 | 64.04 | 138 | 1.35 | | |
| 28 | 29241 | 53.36 | 137 | 1.60 | | |
| 33 | 24934 | 45.50 | 134 | 1.90 | | |
| 35 | 23296 | 42.51 | 134 | 2.00 | | |
| 39 | 21136 | 38.57 | 134 | 2.20 | | |
| 22 | 37308 | 68.08 | 104 | 0.80 | **GK167 GKA167** | **4P** |
| 25 | 33286 | 60.74 | 105 | 0.90 | | |
| 29 | 28370 | 51.77 | 106 | 1.05 | | |
| 35 | 23509 | 42.90 | 106 | 1.30 | | |
| 41 | 20062 | 36.61 | 105 | 1.50 | | |
| 46 | 17618 | 32.15 | 104 | 1.70 | | |
| 52 | 15717 | 28.68 | 103 | 1.90 | | |
| 61 | 13399 | 24.45 | 101 | 2.30 | | |
| 74 | 11103 | 20.26 | 98 | 2.70 | | |
| 86 | 9475 | 17.29 | 95 | 3.20 | | |
| 39 | 20835 | 38.02 | 50 | 0.80 | **GK157 GKF157 GKA157 GKAF157** | **4P** |
| 48 | 17153 | 31.30 | 53 | 1.00 | | |
| 54 | 15136 | 27.62 | 54 | 1.10 | | |
| 62 | 13125 | 23.95 | 55 | 1.30 | | |
| 70 | 11678 | 21.31 | 55 | 1.45 | | |
| 81 | 10067 | 18.37 | 55 | 1.70 | | |
| 100 | 8176 | 14.92 | 55 | 2.10 | | |
| 118 | 6938 | 12.66 | 54 | 2.30 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **90kW** | | | | | | |
| 62 | 13125 | 23.95 | 35 | 0.95 | **GK127 GKF127 GKA127 GKAF127** | **4P** |
| 70 | 11607 | 21.18 | 36 | 1.05 | | |
| 84 | 9754 | 17.80 | 37 | 1.25 | | |
| 104 | 7880 | 14.38 | 38 | 1.45 | | |
| 116 | 7020 | 12.81 | 36 | 1.15 | | |
| 138 | 5897 | 10.76 | 36 | 1.30 | | |
| 171 | 4762 | 8.69 | 36 | 1.45 | | |
| **110kW** | | | | | | |
| 17 | 58941 | 88.00 | 122 | 0.80 | **GK187 GKA187** | **4P** |
| 20 | 49537 | 73.96 | 126 | 0.95 | | |
| 23 | 42893 | 64.04 | 127 | 1.10 | | |
| 28 | 35740 | 53.36 | 127 | 1.30 | | |
| 33 | 30475 | 45.50 | 127 | 1.55 | | |
| 35 | 28472 | 42.51 | 126 | 1.65 | | |
| 39 | 25833 | 38.57 | 125 | 1.85 | | |
| 45 | 22257 | 33.23 | 123 | 2.10 | | |
| 53 | 18700 | 27.92 | 121 | 2.50 | | |
| 29 | 34675 | 51.77 | 95 | 0.85 | **GK167 GKA167** | **4P** |
| 35 | 28734 | 42.90 | 97 | 1.05 | | |
| 41 | 24521 | 36.61 | 97 | 1.25 | | |
| 46 | 21533 | 32.15 | 97 | 1.40 | | |
| 52 | 19209 | 28.68 | 97 | 1.55 | | |
| 61 | 16376 | 24.45 | 95 | 1.85 | | |
| 74 | 13570 | 20.26 | 94 | 2.20 | | |
| 86 | 11581 | 17.29 | 92 | 2.60 | | |
| 62 | 16041 | 23.95 | 48 | 1.05 | **GK157 GKF157 GKA157 GKAF157** | **4P** |
| 70 | 14273 | 21.31 | 49 | 1.10 | | |
| 81 | 12304 | 18.37 | 50 | 1.15 | | |
| 100 | 9993 | 14.92 | 50 | 1.26 | | |
| 118 | 8479 | 12.66 | 50 | 1.35 | | |
| **132kW** | | | | | | |
| 20 | 59444 | 73.96 | 111 | 0.80 | **GK187 GKA187** | **4P** |
| 23 | 51471 | 64.04 | 114 | 0.90 | | |
| 28 | 42887 | 53.36 | 117 | 1.10 | | |
| 33 | 36570 | 45.50 | 118 | 1.30 | | |
| 35 | 34167 | 42.51 | 118 | 1.40 | | |
| 39 | 31000 | 38.57 | 118 | 1.55 | | |
| 45 | 26708 | 33.23 | 117 | 1.75 | | |
| 53 | 22440 | 27.92 | 115 | 2.10 | | |
| 62 | 19434 | 24.18 | 113 | 2.30 | | |
| 74 | 16195 | 20.15 | 110 | 2.60 | | |
| 87 | 13808 | 17.18 | 108 | 2.80 | | |
| 35 | 34480 | 42.90 | 87 | 0.90 | **GK167 GKA167** | **4P** |
| 41 | 29425 | 36.61 | 89 | 1.05 | | |
| 46 | 25840 | 32.15 | 90 | 1.15 | | |
| 52 | 23051 | 28.68 | 90 | 1.30 | | |
| 61 | 19651 | 24.45 | 90 | 1.55 | | |
| 74 | 16284 | 20.26 | 89 | 1.85 | | |
| 86 | 13897 | 17.29 | 88 | 2.20 | | |

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## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole | $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **160kW** | | | | | | | **200kW** | | | | | | |
| 28 | 51985 | 53.36 | 103 | 0.90 | **GK187 GKA187** | **4P** | 33 | 55409 | 45.50 | 90 | 0.85 | **GK187 GKA187** | **4P** |
| 33 | 44327 | 45.50 | 106 | 1.05 | | | 45 | 40467 | 33.23 | 97 | 1.15 | | |
| 45 | 32374 | 33.23 | 108 | 1.45 | | | 53 | 34001 | 27.92 | 98 | 1.30 | | |
| 53 | 27200 | 27.92 | 108 | 1.75 | | | 62 | 29446 | 24.18 | 99 | 1.40 | | |
| 62 | 23557 | 24.18 | 107 | 1.90 | | | 74 | 24538 | 20.15 | 98 | 1.50 | | |
| 74 | 19631 | 20.15 | 105 | 2.10 | | | 87 | 20922 | 17.18 | 97 | 1.70 | | |
| 87 | 16737 | 17.18 | 103 | 2.30 | | | | | | | | | |
| 41 | 35666 | 36.61 | 78 | 0.85 | **GK167 GKA167** | **4P** | | | | | | | |
| 61 | 23820 | 24.45 | 83 | 1.25 | | | | | | | | | |
| 74 | 19738 | 20.26 | 83 | 1.55 | | | | | | | | | |
| 86 | 16844 | 17.29 | 82 | 1.80 | | | | | | | | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 200 | 0.19 | 6832 | 5.4 | GK37R17 GKF37R17 GKA37R17 GKAF37R17 | 0.12 |
| | 0.22 | 5922 | 5.4 | | |
| | 0.24 | 5491 | 5.4 | | |
| | 0.28 | 4759 | 5.4 | | |
| | 0.31 | 4160 | 5.4 | | |
| | 0.36 | 3645 | 5.4 | | |
| | 0.41 | 3205 | 5.4 | | |
| | 0.47 | 2801 | 5.4 | | |
| | 0.53 | 2454 | 5.4 | | |
| | 0.60 | 2166 | 5.4 | | |
| | 0.69 | 1892 | 5.4 | | |
| | 0.79 | 1660 | 5.4 | | |
| | 0.89 | 1466 | 5.4 | | |
| | 1.02 | 1288 | 5.4 | | |
| | 1.15 | 1136 | 5.4 | | |
| | 1.32 | 996 | 5.4 | GK37R17 GKF37R17 GKA37R17 GKAF37R17 | 0.12 |
| | 1.50 | 876 | 5.4 | | |
| | 1.72 | 761 | 5.4 | | |
| | 1.95 | 671 | 5.4 | | |
| | 2.24 | 585 | 5.4 | | |
| | 2.56 | 512 | 5.4 | | |
| | 2.90 | 451 | 5.4 | | |
| | 3.31 | 396 | 5.4 | | |
| | 3.79 | 346 | 5.4 | | |
| | 4.31 | 304 | 5.4 | GK37R17 GKF37R17 GKA37R17 GKAF37R17 | 0.18 |
| | 4.91 | 267 | 5.4 | | |
| | 5.60 | 234 | 5.4 | | |
| | 6.39 | 205 | 5.4 | | |
| | 7.3 | 181 | 5.4 | GK37R17 GKF37R17 GKA37R17 GKAF37R17 | 0.25 |
| | 8.3 | 160 | 5.4 | | |
| | 9.8 | 136 | 5.4 | | |
| | 10.5 | 127 | 5.4 | | |
| | 12 | 110 | 5.4 | GK37R17 GKF37R17 GKA37R17 GKAF37R17 | 0.37 |
| | 14 | 96 | 5.4 | | |
| 400 | 0.13 | 10138 | 5.6 | | |
| | 0.15 | 8534 | 5.6 | | |
| | 0.17 | 7662 | 5.6 | | |
| | 0.19 | 6826 | 5.6 | | |
| | 0.22 | 5983 | 5.6 | | |
| | 0.25 | 5158 | 5.6 | | |
| | 0.28 | 4601 | 5.6 | GK47R37 GKF47R37 GKA47R37 GKAF47R37 | 0.12 |
| | 0.33 | 3940 | 5.6 | | |
| | 0.38 | 3477 | 5.6 | | |
| | 0.43 | 3043 | 5.6 | | |
| | 0.48 | 2732 | 5.6 | | |
| | 0.56 | 2354 | 5.6 | | |
| | 0.63 | 2063 | 5.6 | | |
| | 0.72 | 1819 | 5.6 | | |
| | 0.83 | 1586 | 5.6 | | |
| | 0.94 | 1388 | 5.6 | | |
| | 1.1 | 1222 | 5.6 | GK47R37 GKF47R37 GKA47R37 GKAF47R37 | 0.12 |
| | 1.2 | 1097 | 5.6 | | |
| | 1.4 | 945 | 5.6 | | |
| | 1.6 | 831 | 5.6 | | |
| | 1.8 | 718 | 5.6 | | |
| | 2.1 | 639 | 5.6 | | |
| | 2.4 | 552 | 5.6 | GK47R37 GKF47R37 GKA47R37 GKAF47R37 | 0.18 |
| | 2.6 | 495 | 5.6 | | |
| | 3.1 | 426 | 5.6 | | |
| 400 | 3.5 | 375 | 5.6 | GK47R37 GKF47R37 GKA47R37 GKAF47R37 | 0.25 |
| | 4.1 | 327 | 5.6 | | |
| | 4.6 | 289 | 5.6 | | |
| | 5.2 | 256 | 5.6 | GK47R37 GKF47R37 GKA47R37 GKAF47R37 | 0.37 |
| | 5.9 | 225 | 5.6 | | |
| | 6.7 | 198 | 5.6 | | |
| | 8.1 | 171 | 5.6 | GK47R37 GKF47R37 GKA47R37 GKAF47R37 | 0.55 |
| | 9.1 | 153 | 5.6 | | |
| | 11 | 131 | 5.6 | | |
| 600 | 0.11 | 12169 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.12 |
| | 0.12 | 11162 | 7.2 | | |
| | 0.14 | 9503 | 7.2 | | |
| | 0.15 | 8547 | 7.2 | | |
| | 0.18 | 7277 | 7.2 | | |
| | 0.2 | 6478 | 7.2 | | |
| | 0.23 | 5662 | 7.2 | | |
| | 0.26 | 5033 | 7.2 | | |
| | 0.3 | 4340 | 7.2 | | |
| | 0.34 | 3854 | 7.2 | | |
| | 0.39 | 3390 | 7.2 | | |
| | 0.45 | 2924 | 7.2 | | |
| | 0.51 | 2593 | 7.2 | | |
| | 0.58 | 2249 | 7.2 | | |
| | 0.66 | 1986 | 7.2 | | |
| | 0.75 | 1743 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.12 |
| | 0.85 | 1539 | 7.2 | | |
| | 0.97 | 1354 | 7.2 | | |
| | 1.1 | 1174 | 7.2 | | |
| | 1.3 | 1036 | 7.2 | | |
| | 1.4 | 906 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.18 |
| | 1.6 | 806 | 7.2 | | |
| | 1.9 | 699 | 7.2 | | |
| | 2.1 | 615 | 7.2 | | |
| | 2.4 | 544 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.25 |
| | 2.8 | 473 | 7.2 | | |
| | 3.2 | 421 | 7.2 | | |
| | 3.7 | 362 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.37 |
| | 4.2 | 319 | 7.2 | | |
| | 4.8 | 280 | 7.2 | | |
| | 5.7 | 246 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.55 |
| | 6.5 | 215 | 7.2 | | |
| | 7.2 | 192 | 7.2 | | |
| | 8.4 | 166 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 0.75 |
| | 9.6 | 145 | 7.2 | | |
| | 11 | 129 | 7.2 | | |
| | 13 | 111 | 7.2 | GK57R37 GKF57R37 GKA57R37 GKAF57R37 | 1.1 |
| | 14 | 97 | 7.2 | | |
| 820 | 0.11 | 12139 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.12 |
| | 0.12 | 11134 | 10 | | |
| | 0.14 | 9479 | 10 | | |
| | 0.16 | 8173 | 10 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 820 | 0.18 | 7259 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.12 |
| | 0.2 | 6462 | 10 | | |
| | 0.23 | 5648 | 10 | | |
| | 0.27 | 4846 | 10 | | |
| | 0.3 | 4329 | 10 | | |
| | 0.35 | 3750 | 10 | | |
| | 0.4 | 3315 | 10 | | |
| | 0.45 | 2917 | 10 | | |
| | 0.52 | 2532 | 10 | | |
| | 0.58 | 2244 | 10 | | |
| | 0.66 | 1981 | 10 | | |
| | 0.75 | 1739 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.12 |
| | 0.85 | 1536 | 10 | | |
| | 0.97 | 1351 | 10 | | |
| | 1.1 | 1171 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.18 |
| | 1.3 | 1034 | 10 | | |
| | 1.5 | 903 | 10 | | |
| | 1.7 | 793 | 10 | | |
| | 1.9 | 697 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.25 |
| | 2.2 | 613 | 10 | | |
| | 2.5 | 542 | 10 | | |
| | 2.8 | 471 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.37 |
| | 3.2 | 420 | 10 | | |
| | 3.9 | 361 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.55 |
| | 4.3 | 323 | 10 | | |
| | 5 | 279 | 10 | | |
| | 5.7 | 246 | 10 | | |
| | 6.4 | 217 | 10 | GK67R37 GKF67R37 GKA67R37 GKAF67R37 | 0.75 |
| | 7.3 | 191 | 10 | | |
| 1550 | 0.09 | 15248 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.12 |
| | 0.09 | 13986 | 15 | | |
| | 0.11 | 11907 | 15 | | |
| | 0.13 | 10176 | 15 | | |
| | 0.15 | 8774 | 15 | | |
| | 0.17 | 7497 | 15 | | |
| | 0.2 | 6579 | 15 | | |
| | 0.23 | 5751 | 15 | | |
| | 0.26 | 5068 | 15 | | |
| | 0.29 | 4471 | 15 | | |
| | 0.33 | 3945 | 15 | | |
| | 0.38 | 3470 | 15 | | |
| | 0.45 | 2890 | 15 | | |
| | 0.48 | 2706 | 15 | | |
| | 0.56 | 2360 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.18 |
| | 0.64 | 2041 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.18 |
| | 0.74 | 1764 | 15 | | |
| | 0.87 | 1508 | 15 | | |
| | 1 | 1382 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.25 |
| | 1.1 | 1213 | 15 | | |
| | 1.3 | 1048 | 15 | | |
| 1550 | 1.4 | 920 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.37 |
| | 1.6 | 812 | 15 | | |
| | 1.9 | 706 | 15 | | |
| | 2.2 | 620 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.55 |
| | 2.5 | 550 | 15 | | |
| | 2.9 | 483 | 15 | | |
| | 3.3 | 426 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 0.75 |
| | 3.8 | 366 | 15 | | |
| | 4.3 | 326 | 15 | GK77R37 GKF77R37 GKA77R37 GKAF77R37 | 1.1 |
| | 4.8 | 289 | 15 | | |
| | 5.6 | 251 | 15 | | |
| 2700 | 0.09 | 14828 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.12 |
| | 0.10 | 13168 | 26 | | |
| | 0.11 | 11736 | 26 | | |
| | 0.13 | 10217 | 26 | | |
| | 0.14 | 9073 | 26 | | |
| | 0.17 | 7854 | 26 | | |
| | 0.19 | 6832 | 26 | | |
| | 0.22 | 5930 | 26 | | |
| | 0.25 | 5239 | 26 | | |
| | 0.29 | 4562 | 26 | | |
| | 0.32 | 4037 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.18 |
| | 0.36 | 3609 | 26 | | |
| | 0.42 | 3106 | 26 | | |
| | 0.48 | 2728 | 26 | | |
| | 0.56 | 2371 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.25 |
| | 0.64 | 2087 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.25 |
| | 0.72 | 1854 | 26 | | |
| | 0.80 | 1658 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.37 |
| | 0.94 | 1415 | 26 | | |
| | 1.08 | 1229 | 26 | | |
| | 1.3 | 1078 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.55 |
| | 1.5 | 951 | 26 | | |
| | 1.7 | 837 | 26 | | |
| | 1.9 | 726 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 0.75 |
| | 2.2 | 638 | 26 | | |
| | 2.5 | 562 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 1.1 |
| | 3.0 | 474 | 26 | | |
| | 3.3 | 426 | 26 | | |
| | 3.8 | 373 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 1.5 |
| | 4.2 | 330 | 26 | | |
| | 4.9 | 293 | 26 | GK87R57 GKF87R57 GKA87R57 GKAF87R57 | 2.2 |
| | 5.7 | 250 | 26 | | |
| | 6.1 | 236 | 26 | | |
| | 7.1 | 201 | 26 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 4300 | 0.07 | 18091 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.12 |
| | 0.08 | 16666 | 38 | | |
| | 0.09 | 14896 | 38 | | |
| | 0.10 | 13183 | 38 | | |
| | 0.11 | 11677 | 38 | | |
| | 0.13 | 10317 | 38 | | |
| | 0.14 | 9083 | 38 | | |
| | 0.16 | 8055 | 38 | | |
| | 0.19 | 6969 | 38 | | |
| | 0.22 | 6027 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.18 |
| | 0.24 | 5392 | 38 | | |
| | 0.28 | 4669 | 38 | | |
| | 0.32 | 4081 | 38 | | |
| | 0.37 | 3583 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.25 |
| | 0.43 | 3108 | 38 | | |
| | 0.48 | 2756 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.37 |
| | 0.55 | 2419 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.37 |
| | 0.63 | 2123 | 38 | | |
| | 0.75 | 1856 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.55 |
| | 0.86 | 1625 | 38 | | |
| | 0.97 | 1430 | 38 | | |
| | 1.1 | 1261 | 38 | | |
| | 1.3 | 1102 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 0.75 |
| | 1.5 | 957 | 38 | | |
| | 1.6 | 855 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 1.1 |
| | 1.9 | 743 | 38 | | |
| | 2.2 | 651 | 38 | | |
| | 2.4 | 573 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 1.5 |
| | 2.8 | 504 | 38 | | |
| | 3.3 | 437 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 2.2 |
| | 3.7 | 382 | 38 | | |
| | 4.2 | 342 | 38 | | |
| | 4.7 | 305 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 3 |
| | 5.5 | 258 | 38 | | |
| | 6.2 | 232 | 38 | | |
| | 7.2 | 199 | 38 | GK97R57 GKF97R57 GKA97R57 GKAF97R57 | 4 |
| 8000 | 0.09 | 14311 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 0.12 |
| | 0.11 | 12211 | 62 | | |
| 8000 | 0.12 | 10678 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 0.18 |
| | 0.14 | 9524 | 62 | | |
| | 0.16 | 8328 | 62 | | |
| | 0.18 | 7269 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 0.25 |
| | 0.22 | 6184 | 62 | | |
| | 0.23 | 5662 | 62 | | |
| | 0.26 | 5138 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 0.37 |
| | 0.31 | 4360 | 62 | | |
| | 0.35 | 3811 | 62 | | |
| | 0.41 | 3358 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 0.55 |
| | 0.47 | 2977 | 62 | | |
| | 0.54 | 2598 | 62 | | |
| | 0.61 | 2286 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 0.75 |
| | 0.72 | 1939 | 62 | | |
| | 0.82 | 1713 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 1.1 |
| | 0.9 | 1555 | 62 | | |
| | 1 | 1336 | 62 | | |
| | 1.2 | 1166 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 1.5 |
| | 1.4 | 1030 | 62 | | |
| | 1.5 | 904 | 62 | | |
| | 1.8 | 793 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 2.2 |
| | 2.1 | 696 | 62 | | |
| | 2.3 | 614 | 62 | | |
| | 2.7 | 522 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 3 |
| | 3.1 | 461 | 62 | | |
| | 3.5 | 408 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 4 |
| | 4 | 364 | 62 | | |
| | 4.5 | 318 | 62 | GK107R77 GKF107R77 GKA107R77 GKAF107R77 | 5.5 |
| | 5 | 286 | 62 | | |
| | 5.7 | 251 | 62 | | |
| 13000 | 0.07 | 17550 | 75 | GK127R77 GKF127R77 GKA127R77 GKAF127R77 | 0.18 |
| | 0.08 | 16006 | 75 | | |
| | 0.09 | 14975 | 75 | | |
| | 0.11 | 12440 | 75 | | |
| | 0.12 | 10914 | 75 | GK127R77 GKF127R77 GKA127R77 GKAF127R77 | 0.25 |
| | 0.14 | 9819 | 75 | | |
| | 0.16 | 8443 | 75 | GK127R77 GKF127R77 GKA127R77 GKAF127R77 | 0.37 |
| | 0.18 | 7483 | 75 | | |
| | 0.2 | 6565 | 75 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 13000 | 0.24 | 5804 | 75 | GK127R77 | 0.55 |
| | 0.28 | 5027 | 75 | GKF127R77 | |
| | 0.31 | 4423 | 75 | GKA127R77 | |
| | 0.36 | 3889 | 75 | GKAF127R77 | |
| | 0.42 | 3311 | 75 | GK127R77 | 0.75 |
| | 0.46 | 3009 | 75 | GKF127R77 | |
| | | | | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 0.54 | 2607 | 75 | GK127R77 | 1.1 |
| | 0.62 | 2268 | 75 | GKF127R77 | |
| | | | | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 0.73 | 1926 | 75 | GK127R77 | 1.1 |
| | | | | GKF127R77 | |
| | | | | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 0.8 | 1757 | 75 | GK127R77 | 1.5 |
| | 0.91 | 1541 | 75 | GKF127R77 | |
| | | | | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 1.1 | 1342 | 75 | GK127R77 | 2.2 |
| | 1.2 | 1177 | 75 | GKF127R77 | |
| | 1.4 | 1025 | 75 | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 1.6 | 899 | 75 | GK127R77 | 3 |
| | 1.8 | 790 | 75 | GKF127R77 | |
| | 2 | 704 | 75 | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 2.4 | 610 | 75 | GK127R77 | 4 |
| | 2.6 | 549 | 75 | GKF127R77 | |
| | | | | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 3 | 477 | 75 | GK127R77 | 5.5 |
| | 3.4 | 419 | 75 | GKF127R77 | |
| | | | | GKA127R77 | |
| | | | | GKAF127R77 | |
| | 2.7 | 539 | 75 | GK127R87 | 4 |
| | | | | GKF127R87 | |
| | | | | GKA127R87 | |
| | | | | GKAF127R87 | |
| | 3 | 476 | 75 | GK127R87 | 5.5 |
| | 3.4 | 420 | 75 | GKF127R87 | |
| | | | | GKA127R87 | |
| | | | | GKAF127R87 | |
| | 3.9 | 368 | 75 | GK127R87 | 7.5 |
| | 4.4 | 331 | 75 | GKF127R87 | |
| | 5 | 287 | 75 | GKA127R87 | |
| | | | | GKAF127R87 | |
| | 5.7 | 254 | 75 | GK127R87 | 7.5 |
| | | | | GKF127R87 | |
| | | | | GKA127R87 | |
| | | | | GKAF127R87 | |
| 18000 | 0.08 | 17680 | 107 | GK157R97 | 0.55 |
| | 0.09 | 15730 | 107 | GKF157R97 | |
| | 0.09 | 14721 | 107 | GKA157R97 | |
| | 0.11 | 13097 | 107 | GKAF157R97 | |
| 18000 | 0.12 | 11368 | 107 | GK157R97 | 0.55 |
| | 0.14 | 10114 | 107 | GKF157R97 | |
| | 0.16 | 8717 | 107 | GKA157R97 | |
| | 0.18 | 7734 | 107 | GKAF157R97 | |
| | 0.28 | 5074 | 107 | GK157R97 | 1.1 |
| | 0.31 | 4514 | 107 | GKF157R97 | |
| | 0.35 | 3979 | 107 | GKA157R97 | |
| | 0.40 | 3540 | 107 | GKAF157R97 | |
| | 0.46 | 3051 | 107 | | |
| | 0.54 | 2610 | 107 | GK157R97 | 1.5 |
| | 0.60 | 2323 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 0.70 | 2029 | 107 | GK157R97 | 2.2 |
| | 0.79 | 1805 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 0.86 | 1659 | 107 | GK157R97 | 2.2 |
| | 1.05 | 1365 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 1.2 | 1229 | 107 | GK157R97 | 3 |
| | 1.3 | 1093 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 1.5 | 942 | 107 | GK157R97 | 4 |
| | 1.7 | 853 | 107 | GKF157R97 | |
| | 1.9 | 756 | 107 | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 2.2 | 661 | 107 | GK157R97 | 5.5 |
| | 2.5 | 567 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 2.9 | 504 | 107 | GK157R97 | 7.5 |
| | 3.3 | 434 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 3.8 | 379 | 107 | GK157R97 | 7.5 |
| | 4.3 | 333 | 107 | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 5.0 | 291 | 107 | GK157R97 | 11 |
| | | | | GKF157R97 | |
| | | | | GKA157R97 | |
| | | | | GKAF157R97 | |
| | 3.7 | 385 | 107 | GK157R107 | 7.5 |
| | 4.4 | 325 | 107 | GKF157R107 | |
| | | | | GKA157R107 | |
| | | | | GKAF157R107 | |
| | 4.9 | 299 | 107 | GK157R107 | 11 |
| | | | | GKF157R107 | |
| | | | | GKA157R107 | |
| | | | | GKAF157R107 | |
| | 5.8 | 253 | 107 | GK157R107 | 15 |
| | 6.3 | 230 | 107 | GKF157R107 | |
| | 6.9 | 213 | 107 | GKA157R107 | |
| | | | | GKAF157R107 | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 32000 | 0.07 | 19725 | 135 | GK167R97 GKA167R97 | 0.55 |
| | 0.08 | 17409 | 135 | | |
| | 0.09 | 15000 | 135 | | |
| | 0.11 | 13238 | 135 | | |
| | 0.12 | 11575 | 135 | | |
| | 0.14 | 10265 | 135 | | |
| | 0.16 | 8629 | 135 | GK167R97 GKA167R97 | 0.75 |
| | 0.21 | 6562 | 135 | GK167R97 GKA167R97 | 1.1 |
| | 0.26 | 5355 | 135 | | |
| | 0.29 | 4788 | 135 | GK167R97 GKA167R97 | 1.5 |
| | 0.34 | 4079 | 135 | | |
| | 0.42 | 3376 | 135 | GK167R97 GKA167R97 | 2.2 |
| | 0.52 | 2755 | 135 | | |
| | 0.63 | 2264 | 135 | GK167R97 GKA167R97 | 3 |
| | 0.66 | 2182 | 135 | | |
| | 0.85 | 1704 | 135 | GK167R97 GKA167R97 | 4 |
| | 1.02 | 1408 | 135 | | |
| | 1.11 | 1296 | 135 | GK167R97 GKA167R97 | 5.5 |
| | 1.31 | 1101 | 135 | | |
| | 1.53 | 944 | 135 | GK167R97 GKA167R97 | 7.5 |
| | 1.71 | 844 | 135 | | |
| | 1.90 | 757 | 135 | | |
| | 2.28 | 632 | 135 | | |
| | 2.6 | 561 | 135 | GK167R97 GKA167R97 | 11 |
| | 3.0 | 481 | 135 | | |
| | 3.5 | 423 | 135 | GK167R97 GKA167R97 | 15 |
| | 4.0 | 369 | 135 | | |
| | 4.6 | 317 | 135 | GK167R107 GKA167R107 | 18.5 |
| | 5.3 | 277 | 135 | GK167R107 GKA167R107 | 22 |
| | 6.0 | 244 | 135 | | |
| | 6.9 | 213 | 135 | GK167R107 GKA167R107 | 30 |
| | 7.2 | 205 | 135 | | |
| | 8.2 | 180 | 135 | | |
| | 9.3 | 159 | 135 | GK167R107 GKA167R107 | 37 |
| | 11.0 | 135 | 135 | GK167R107 GKA167R107 | 45 |
| | 12.5 | 118 | 135 | | |

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 50000 | 0.04 | 32625 | 171 | GK187R97 GKA187R97 | 0.55 |
| | 0.05 | 27165 | 171 | | |
| | 0.06 | 24353 | 171 | | |
| | 0.07 | 19144 | 171 | | |
| | 0.08 | 16978 | 171 | | |
| | 0.10 | 14272 | 171 | GK187R97 GKA187R97 | 0.75 |
| | 0.11 | 13116 | 171 | | |
| | 0.12 | 11647 | 171 | | |
| | 0.13 | 10413 | 171 | GK187R97 GKA187R97 | 1.1 |
| | 0.15 | 9363 | 171 | | |
| | 0.17 | 8126 | 171 | | |
| | 0.19 | 7343 | 171 | GK187R97 GKA187R97 | 1.5 |
| | 0.21 | 6747 | 171 | | |
| | 0.23 | 5991 | 171 | | |
| | 0.27 | 5358 | 171 | GK187R97 GKA187R97 | 2.2 |
| | 0.30 | 4817 | 171 | | |
| | 0.33 | 4370 | 171 | | |
| | 0.40 | 3609 | 171 | GK187R97 GKA187R97 | 3 |
| | 0.47 | 3062 | 171 | | |
| | 0.57 | 2519 | 171 | GK187R97 GKA187R97 | 4 |
| | 0.63 | 2268 | 171 | | |
| | 0.70 | 2054 | 171 | | |
| | 0.79 | 1821 | 171 | GK187R97 GKA187R97 | 5.5 |
| | 0.90 | 1605 | 171 | | |
| | 1.03 | 1395 | 171 | GK187R97 GKA187R97 | 7.5 |
| | 1.20 | 1196 | 171 | | |
| | 1.38 | 1046 | 171 | GK187R97 GKA187R97 | 7.5 |
| | 1.52 | 945 | 171 | | |
| | 2.0 | 738 | 171 | GK187R97 GKA187R97 | 15 |
| | 2.4 | 621 | 171 | | |
| | 2.8 | 527 | 171 | GK187R97 GKA187R97 | 18.5 |
| | 1.7 | 835 | 171 | GK187R107 GKA187R107 | 11 |
| | 2.0 | 729 | 171 | GK187R107 GKA187R107 | 15 |
| | 2.3 | 622 | 171 | | |
| | 2.8 | 520 | 171 | GK187R107 GKA187R107 | 18.5 |
| | 3.2 | 454 | 171 | | |
| | 4.1 | 355 | 171 | GK187R107 GKA187R107 | 30 |
| | 5.7 | 261 | 171 | GK187R107 GKA187R107 | 37 |
| | 6.7 | 221 | 171 | GK187R107 GKA187R107 | 45 |
| | 7.7 | 193 | 171 | | |
| | 9.1 | 163 | 171 | | |

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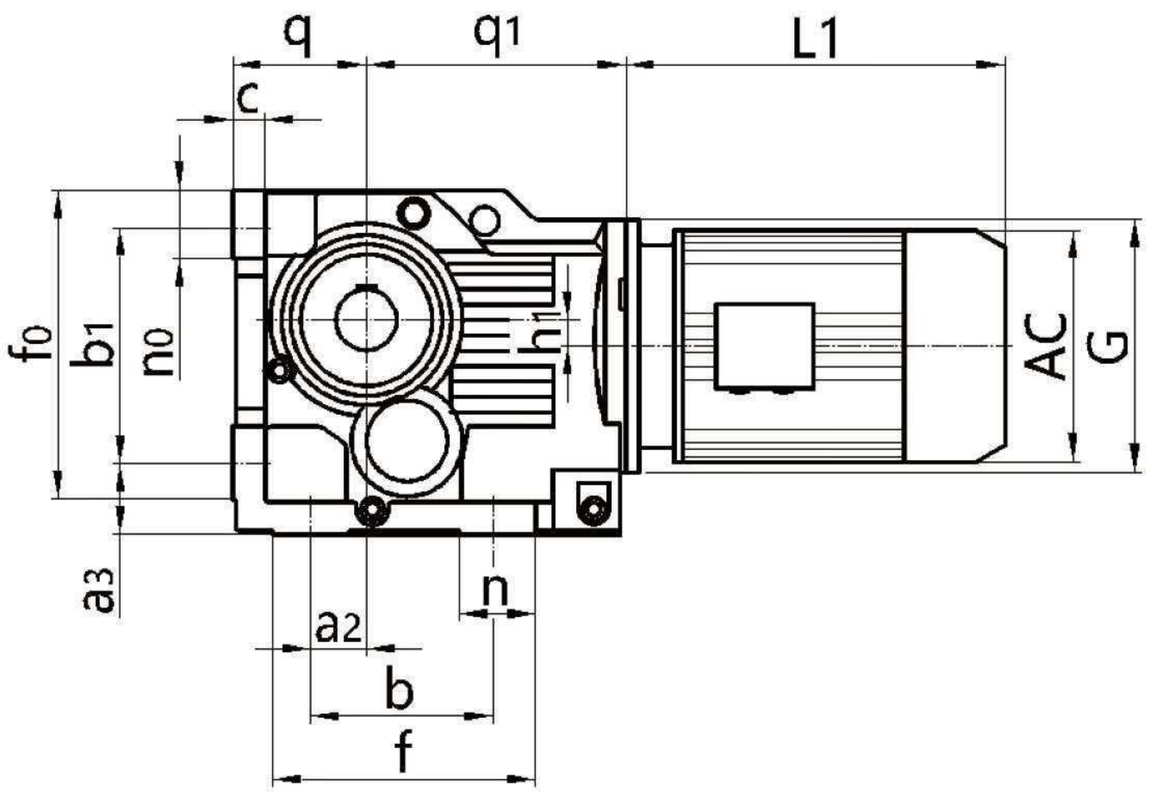
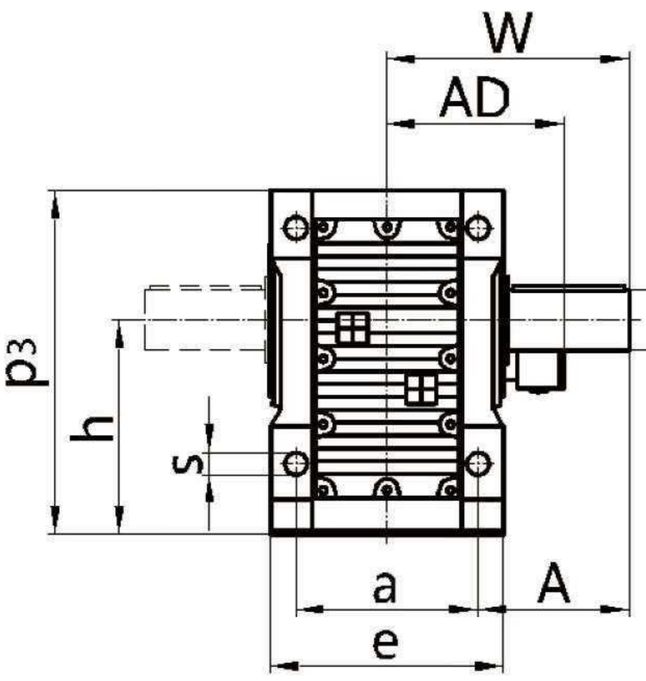
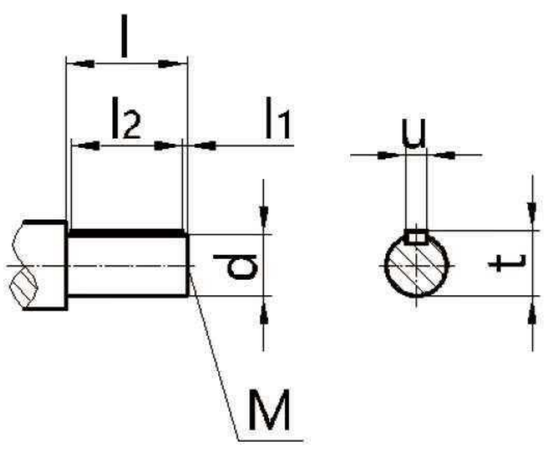
## GK37-157
## 安装结构尺寸

## GK37-157
## Mounting Dimensional Description




| 机 型 号<br>Type Size | a<br>b | a2<br>h | b1<br>q | q1<br>h1 | s<br>a3 | d<br>l | l1<br>l2 | u<br>t | w<br>A | e<br>p3 | c<br>n0 | f0<br>f | n<br>M | G | 电机尺寸 Motor Size<br>AC | <br>AD | <br>L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GK37 | 100<br>110 | 28<br>100-0.5 | 115<br>63-0.5 | 139<br>8.5 | Φ11<br>32 | Φ25k6<br>50 | 5<br>40 | 8<br>28 | 110<br>60 | 120<br>165 | 16<br>37 | 150<br>143 | 38<br>M10 | Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GK47 | 120<br>130 | 35<br>112-0.5 | 130<br>71-0.5 | 166<br>7.2 | Φ11<br>37 | Φ30k6<br>60 | 3.5<br>50 | 8<br>33 | 135<br>75 | 145<br>185 | 18<br>37 | 170<br>162 | 32<br>M10 | Φ160 | | | |
| GK57 | 130<br>130 | 30<br>132-0.5 | 150<br>80-0.5 | 173<br>13.1 | Φ13.5<br>45 | Φ35k6<br>70 | 7<br>56 | 10<br>38 | 153<br>88 | 157<br>217 | 21<br>43 | 190<br>172 | 43<br>M12 | Φ160 | | | |
| GK67 | 140<br>120 | 30<br>140-0.5 | 160<br>90-0.5 | 179<br>20 | Φ13.5<br>45 | Φ40k6<br>80 | 5<br>70 | 12<br>43 | 171<br>101 | 170<br>228 | 24<br>43 | 203<br>170 | 45<br>M16 | Φ160 | | | |
| GK77 | 165<br>150 | 40<br>180-0.5 | 200<br>112-0.5 | 202<br>31.3 | Φ17.5<br>55 | Φ50k6<br>100 | 10<br>80 | 14<br>53.5 | 206<br>123.5 | 200<br>288 | 27<br>55 | 263<br>212.5 | 55<br>M16 | Φ200 | | | |
| GK87 | 180<br>180 | 55<br>212-0.5 | 233<br>132-0.5 | 257<br>25.9 | Φ22<br>70 | Φ60m6<br>120 | 5<br>110 | 18<br>64 | 240<br>150 | 230<br>340 | 32<br>67 | 305<br>260 | 75<br>M20 | Φ250 | | | |
| GK97 | 240<br>240 | 75<br>265-1 | 295<br>160-0.5 | 277<br>32.3 | Φ26<br>75 | Φ70m6<br>140 | 7.5<br>125 | 20<br>74.5 | 291<br>171 | 290<br>417 | 36<br>82 | 372<br>294 | 60<br>M20 | Φ300 | | | |
| GK107 | 270<br>280 | 95<br>315-1 | 360<br>200-0.5 | 341<br>52 | Φ33<br>95 | Φ90m6<br>170 | 5<br>160 | 25<br>95 | 347<br>212 | 340<br>503 | 40<br>90 | 448<br>380 | 100<br>M24 | Φ350 | | | |
| GK127 | 330<br>350 | 115<br>375-1 | 420<br>225-0.5 | 390<br>53 | Φ39<br>110 | Φ110m6<br>210 | 15<br>180 | 28<br>116 | 418<br>253 | 400<br>592 | 45<br>111 | 526<br>440 | 100<br>M24 | Φ450 | | | |
| GK157 | 420<br>380 | 140<br>450-1 | 500<br>280-1 | 426<br>71.7 | Φ39<br>130 | Φ120m6<br>210 | 5<br>200 | 32<br>127 | 457<br>247 | 500<br>705 | 54<br>115 | 634<br>480 | 100<br>M24 | Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

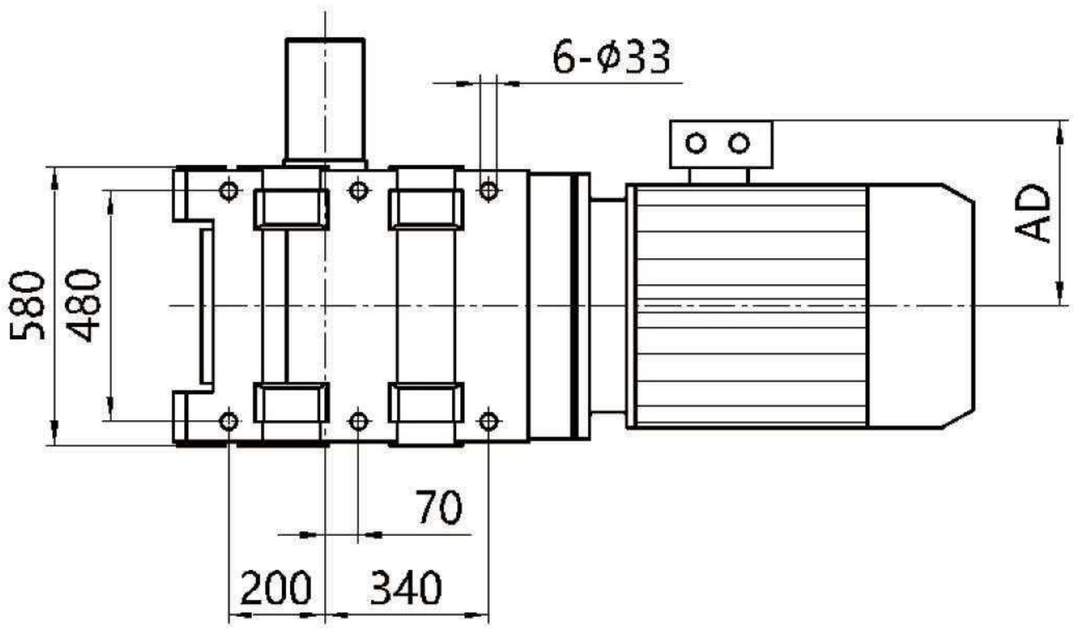
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

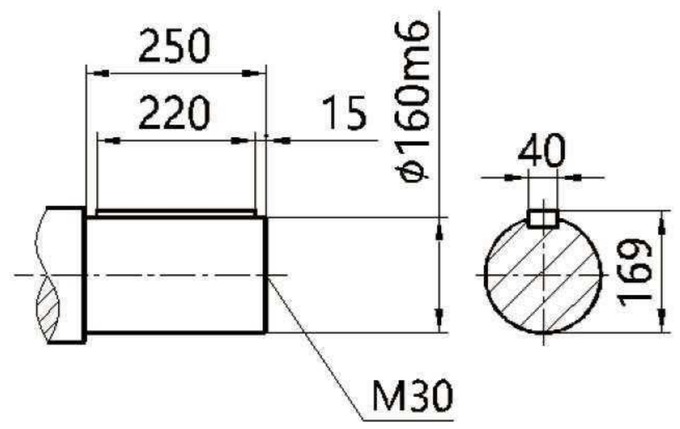
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

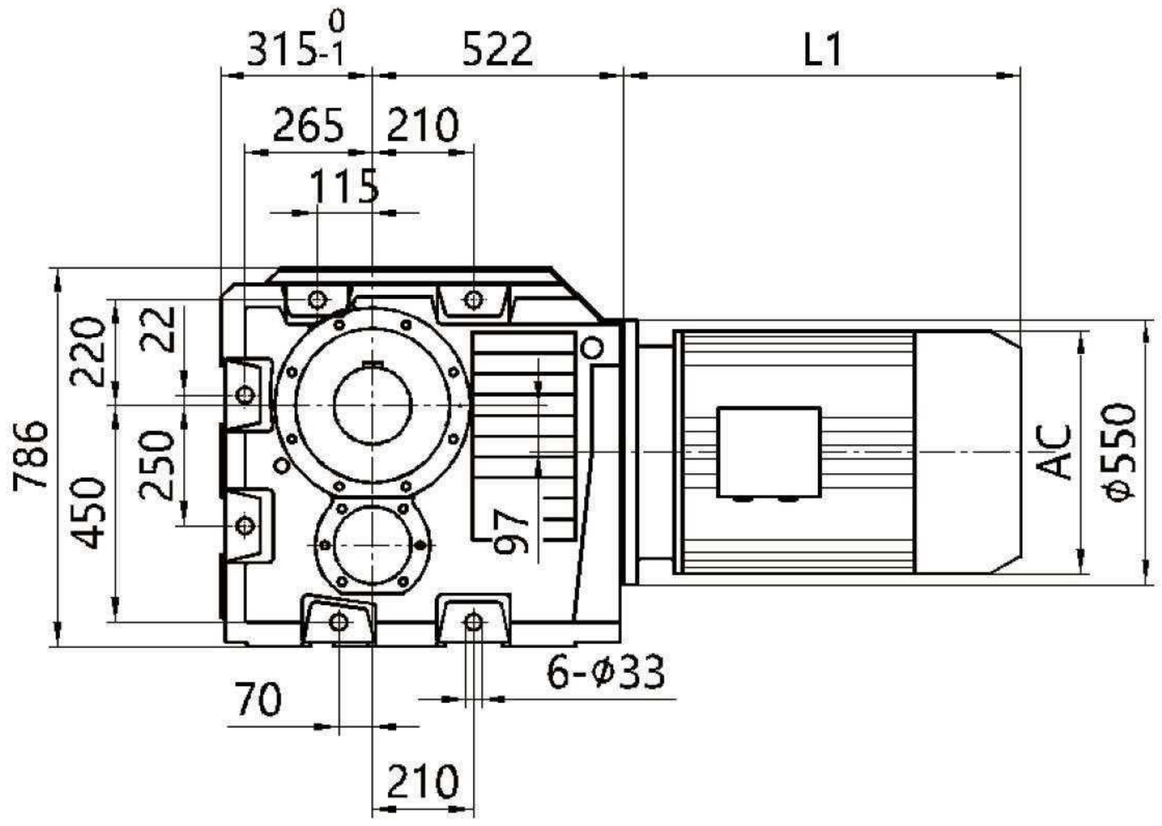
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

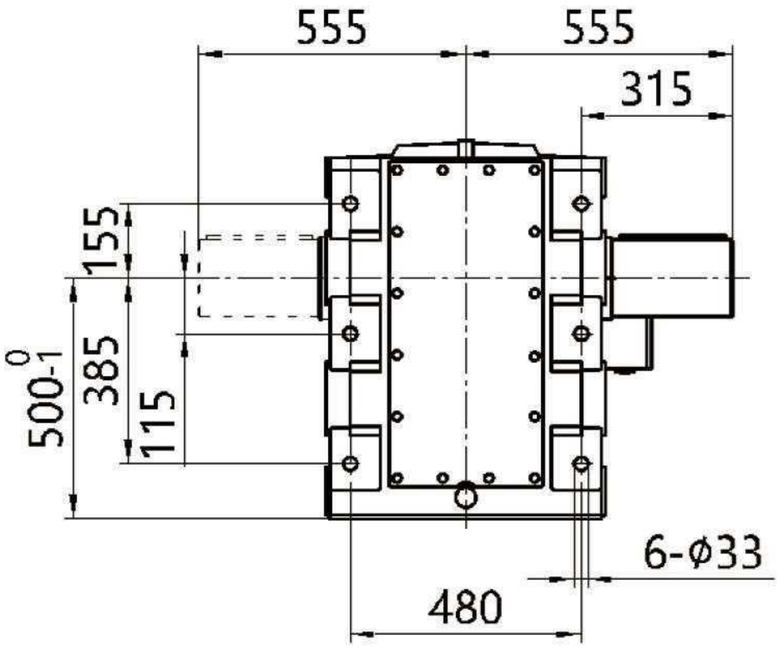
## GK167
## 安装结构尺寸

## GK167
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

2.直联电机尺寸见附录 A-2 和 A-3

Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

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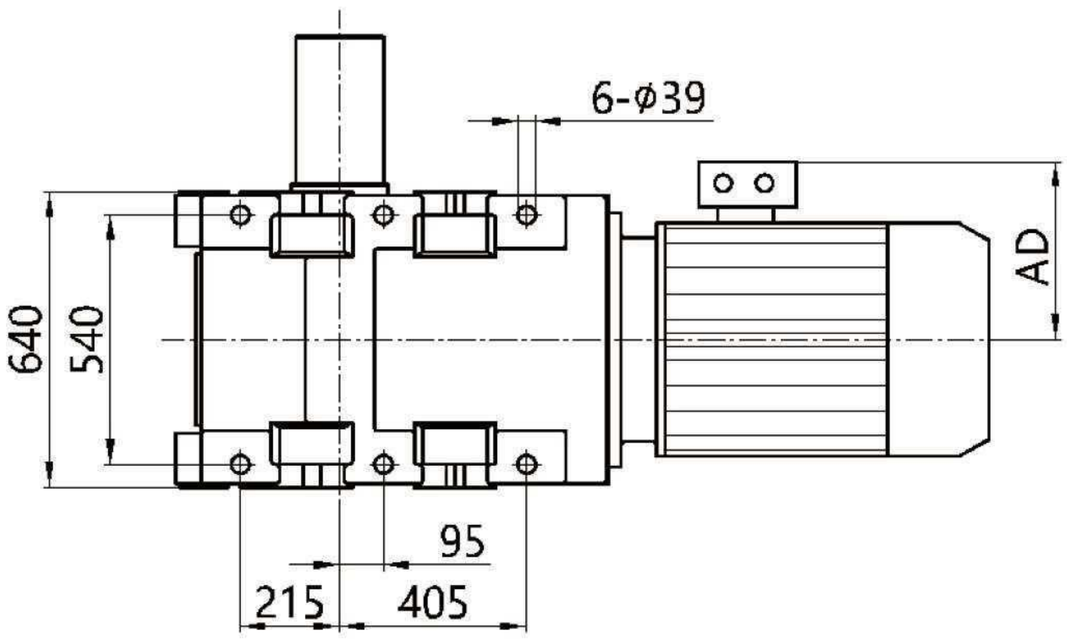
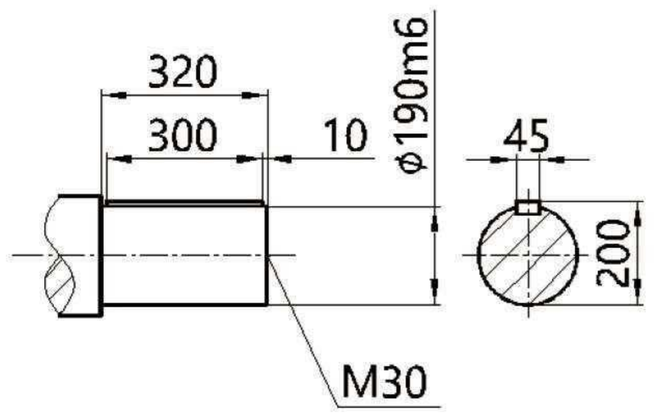
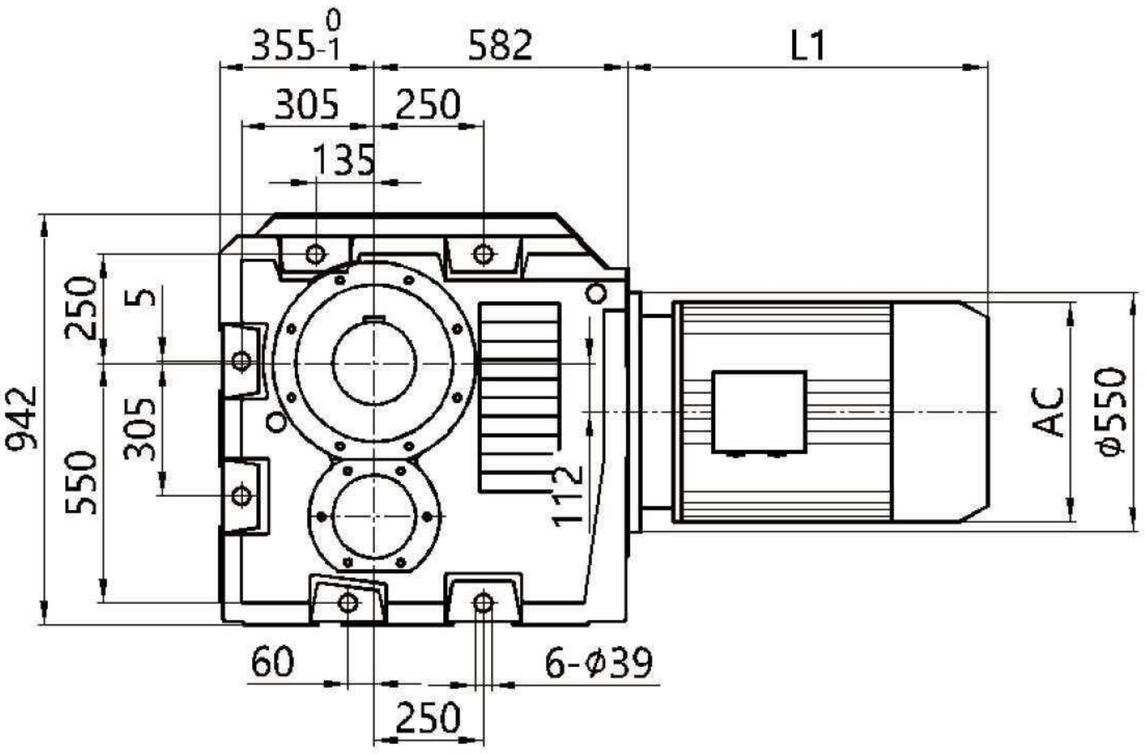
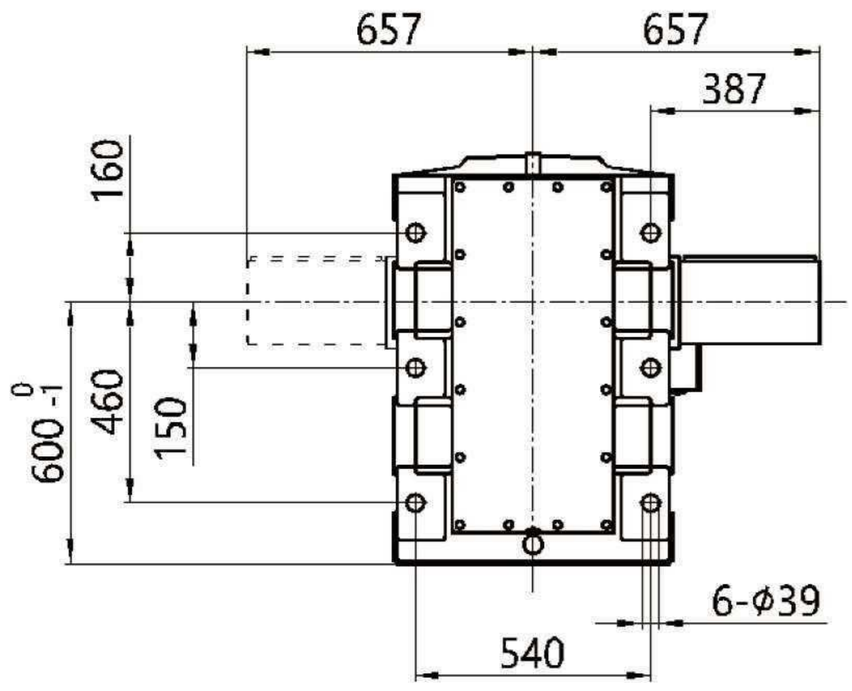
## GK187
## 安装结构尺寸

## GK187
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

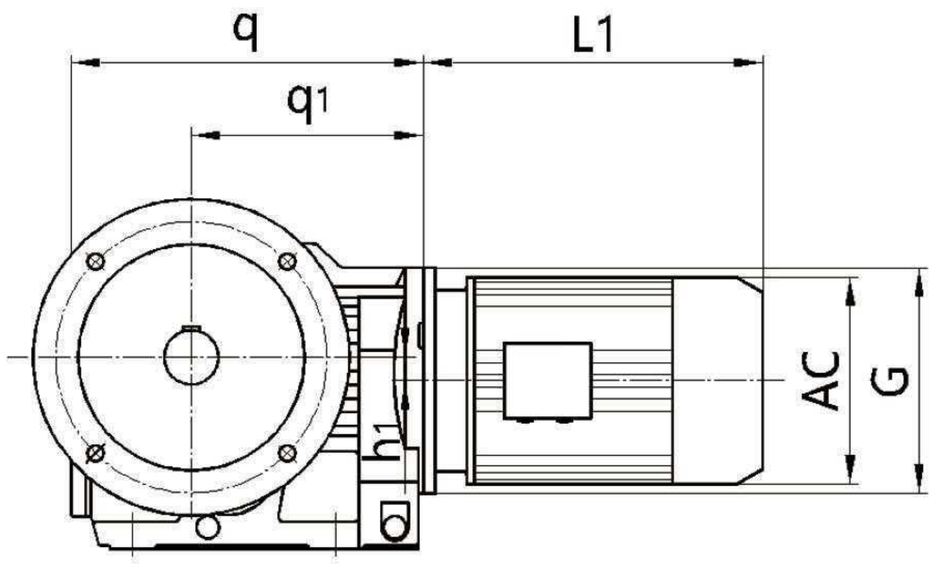
2.直联电机尺寸见附录 A-2 和 A-3

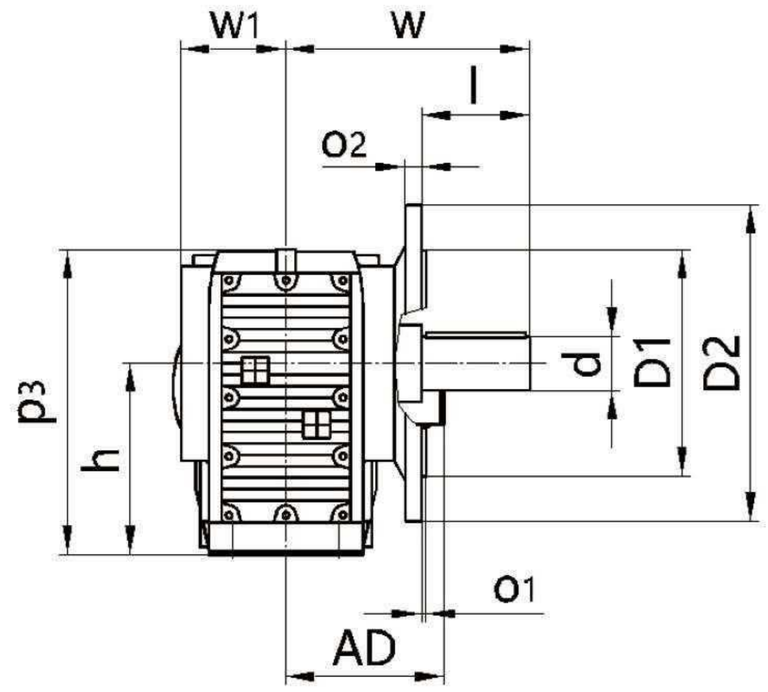
Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

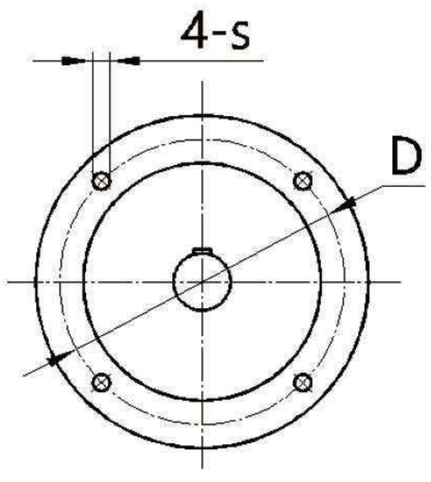
2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

## GKF37-157
## 安装结构尺寸

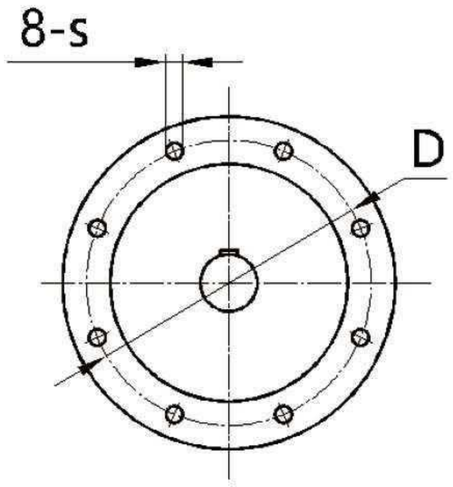
## GKF37-157
## Mounting Dimensional Description



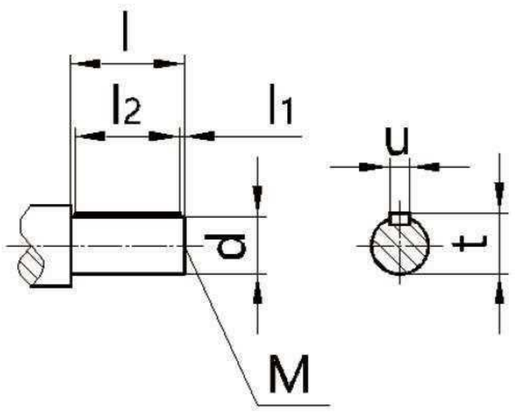




GKF37-87




GKF97-157




| 机 型 号<br>Type Size | s<br>o2 | q<br>w | q1<br>w1 | h1<br>l | D<br>l1 | D1<br>l2 | D2<br>d | h<br>M | p3<br>u | o1<br>t | G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | AC | AD | L1 |
| GKF37 | Φ9<br>10 | 210<br>134 | 139<br>57.5 | 8.5<br>50 | Φ130<br>5 | Φ110j6<br>40 | Φ160<br>Φ25k6 | 100-0.5<br>M10 | 164<br>8 | 3.5<br>28 | Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix<br>A-2 and A-3 | | |
| GKF47 | Φ11<br>12 | 243<br>160 | 166<br>72 | 7.2<br>60 | Φ165<br>3.5 | Φ130j6<br>50 | Φ200<br>Φ30k6 | 112-0.5<br>M10 | 185<br>8 | 3.5<br>33 | Φ160 | | | |
| GKF57 | Φ13.5<br>15 | 270<br>176.5 | 173<br>80 | 13.1<br>70 | Φ215<br>7 | Φ180j6<br>56 | Φ250<br>Φ35k6 | 132-0.5<br>M12 | 215<br>10 | 4<br>38 | Φ160 | | | |
| GKF67 | Φ13.5<br>15 | 275<br>193 | 179<br>86.5 | 20<br>80 | Φ215<br>5 | Φ180j6<br>70 | Φ250<br>Φ40k6 | 140-0.5<br>M16 | 226<br>12 | 4<br>43 | Φ160 | | | |
| GKF77 | Φ13.5<br>16 | 313<br>242 | 202<br>101 | 31.3<br>100 | Φ265<br>10 | Φ230j6<br>80 | Φ300<br>Φ50k6 | 180-0.5<br>M16 | 288<br>14 | 4<br>53.5 | Φ200 | | | |
| GKF87 | Φ17.5<br>18 | 391<br>270 | 257<br>146 | 25.9<br>120 | Φ300<br>5 | Φ250h6<br>110 | Φ350<br>Φ60m6 | 212-0.5<br>M20 | 338<br>18 | 5<br>64 | Φ250 | | | |
| GKF97 | Φ17.5<br>22 | 435<br>332 | 277<br>176 | 32.3<br>140 | Φ400<br>7.5 | Φ350h6<br>125 | Φ450<br>Φ70m6 | 265-1<br>M20 | 417<br>20 | 5<br>74.5 | Φ300 | | | |
| GKF107 | Φ17.5<br>22 | 537<br>386 | 341<br>181 | 52<br>170 | Φ400<br>5 | Φ350h6<br>160 | Φ450<br>Φ90m6 | 315-1<br>M24 | 500<br>25 | 5<br>95 | Φ350 | | | |
| GKF127 | Φ17.5<br>25 | 615<br>466 | 390<br>203 | 53<br>210 | Φ500<br>15 | Φ450h6<br>180 | Φ550<br>Φ110m6 | 375-1<br>M24 | 592<br>28 | 5<br>116 | Φ450 | | | |
| GKF157 | Φ22<br>28 | 706<br>520 | 426<br>254 | 71.7<br>210 | Φ600<br>5 | Φ550h6<br>200 | Φ660<br>Φ120m6 | 450-1<br>M24 | 705<br>32 | 6<br>127 | Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

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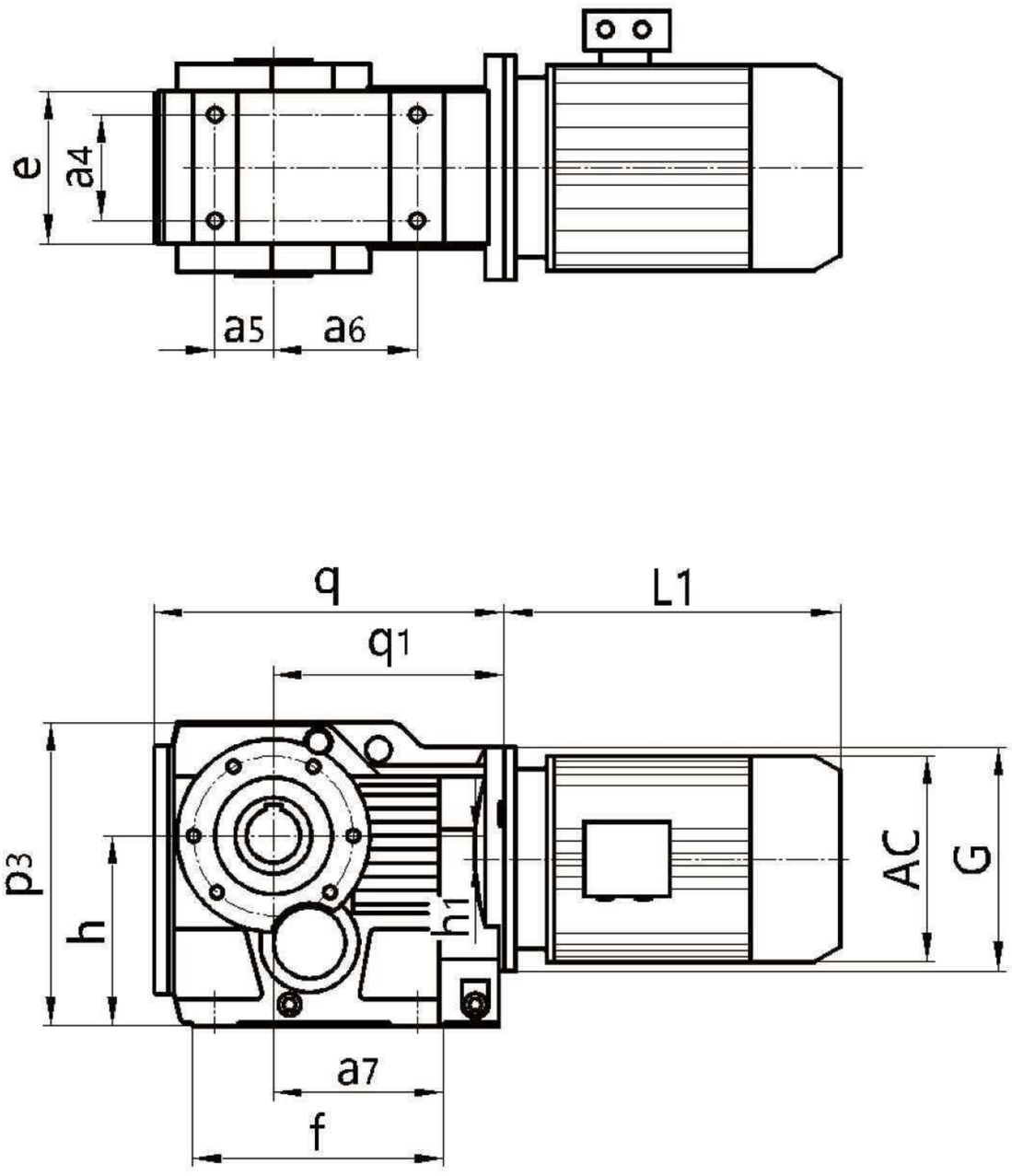
## GKA37-107
## 安装结构尺寸

## GKA37-107
## Mounting Dimensional Description




| 机 型 号<br>Type Size | s<br>q | $l_3$<br>$q_1$ | e<br>w | $a_4$<br>d | $a_5$<br>$d_1$ | $a_6$<br>t | $a_7$<br>u | f<br>$f_1$ | h<br>H | $h_1$<br>$M_1$ | $p_3$<br>$c_1$ | $c_2$<br>M | G<br>$w_1$ | 电机尺寸<br>Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GKA37 | M10<br>210 | 20<br>139 | 100<br>60 | 60<br>Φ30H7 | 35<br>Φ45 | 82<br>33.3 | 97<br>8 | 147<br>2.5 | $100_{-0.5}$<br>15 | 8.5<br>M8 | 164<br>17 | 105<br>M10×25 | Φ120<br>63 | 见附录<br>A-2 和 A-3<br><br>Please see appendix<br>A-2 and A-3 | | |
| GKA47 | M10<br>243 | 20<br>166 | 110<br>75 | 70<br>Φ35H7 | 40<br>Φ50 | 100<br>38.3 | 115<br>10 | 170<br>3 | $112_{-0.5}$<br>14 | 7.2<br>M8 | 185<br>22 | 132<br>M12×30 | Φ160<br>78 | | | |
| GKA57 | M12<br>270 | 25<br>173 | 122<br>83 | 88<br>Φ40H7 | 47<br>Φ55 | 105<br>43.3 | 120<br>12 | 182<br>3 | $132_{-0.5}$<br>20 | 13.1<br>M12 | 215<br>29 | 142<br>M16×40 | Φ160<br>86 | | | |
| GKA67 | M12<br>275 | 25<br>179 | 130<br>90 | 88<br>Φ40H7 | 42<br>Φ55 | 110<br>43.3 | 125<br>12 | 182<br>3.5 | $140_{-0.5}$<br>21 | 20<br>M12 | 226<br>29 | 156<br>M16×40 | Φ160<br>94 | | | |
| GKA77 | M16<br>313 | 32<br>202 | 156<br>105 | 102<br>Φ50H7 | 48<br>Φ70 | 122<br>53.8 | 139<br>14 | 204<br>4 | $180_{-0.5}$<br>23 | 31.3<br>M12 | 288<br>32 | 183<br>M16×45 | Φ200<br>108 | | | |
| GKA87 | M16<br>391 | 32<br>257 | 170<br>120 | 118<br>Φ60H7 | 65<br>Φ85 | 160<br>64.4 | 190<br>18 | 280<br>4 | $212_{-0.5}$<br>30 | 25.9<br>M16 | 338<br>36 | 210<br>M20×50 | Φ250<br>123 | | | |
| GKA97 | M20<br>435 | 36<br>277 | 226<br>150 | 160<br>Φ70H7 | 83<br>Φ95 | 165<br>74.9 | 190<br>20 | 298<br>4 | $265_{-1}$<br>28 | 32.3<br>M16 | 417<br>34 | 270<br>M20×50 | Φ300<br>153 | | | |
| GKA107 | M24<br>537 | 44<br>341 | 268<br>175 | 190<br>Φ90H7 | 100<br>Φ118 | 190<br>95.4 | 230<br>25 | 370<br>3 | $315_{-1}$<br>/ | 52<br>/ | 500<br>40 | 313<br>M24×60 | Φ350<br>178 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

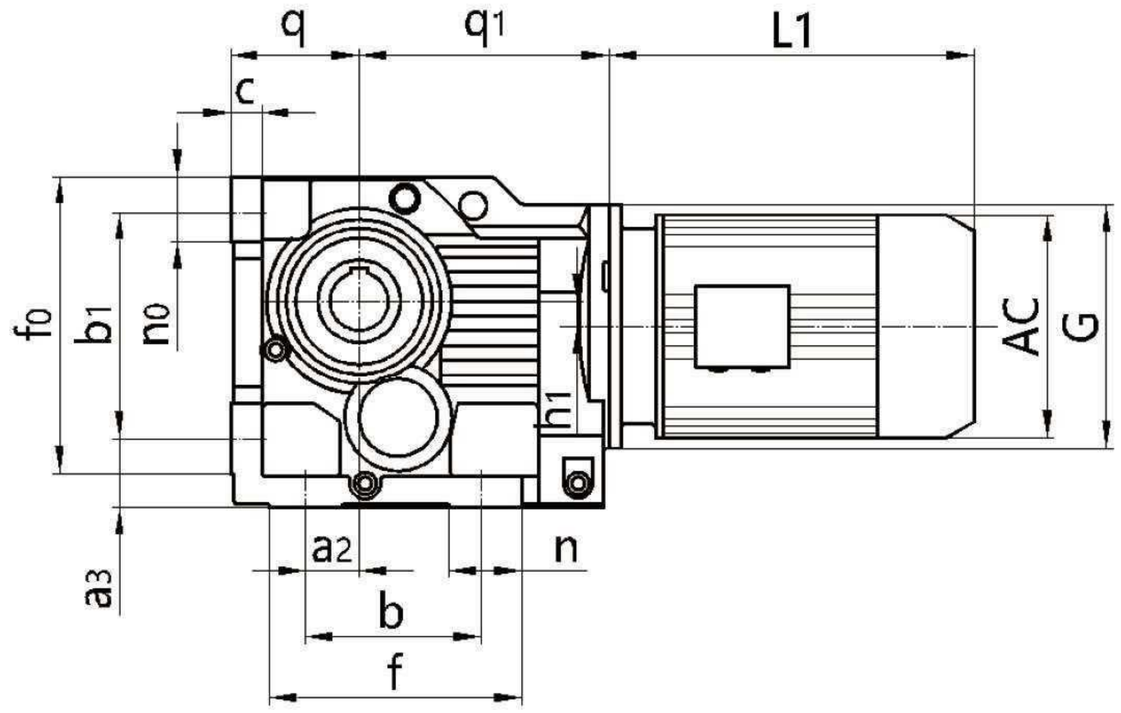
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

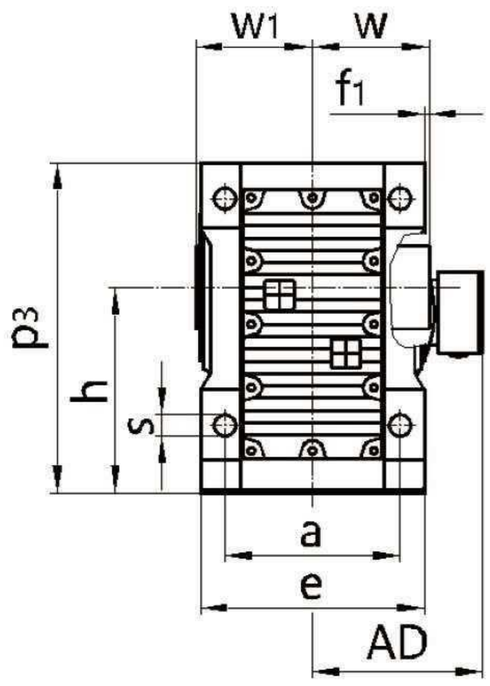
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

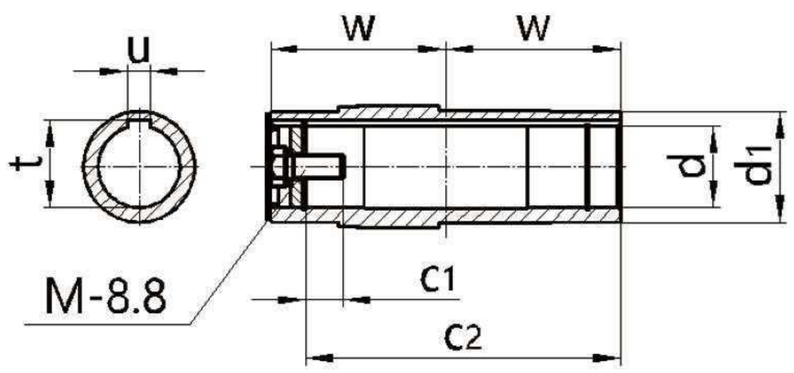
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GKA127-157
## 安装结构尺寸

## GKA127-157
## Mounting Dimensional Description




| 机 型 号<br>Type Size | s<br>b | $p_3$<br>$a_2$ | h<br>n | a<br>$f_0$ | e<br>$a_3$ | $f_1$<br>$b_1$ | w<br>$n_0$ | d<br>$h_1$ | $d_1$<br>c | t<br>q | u<br>$q_1$ | f<br>$c_1$ | $c_2$<br>M | G<br>$w_1$ | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GKA127 | Φ39<br>350 | 592<br>115 | $375_{-1}$<br>100 | 330<br>526 | 400<br>110 | 2.5<br>420 | 205<br>111 | Φ100H7<br>53 | Φ135<br>45 | 106.4<br>$225_{-0.5}$ | 28<br>390 | 440<br>38 | 373<br>M24×60 | Φ450<br>208 | 见附录<br>A-2 和 A-3<br>Please see appendix<br>A-2 and A-3 | | |
| GKA157 | Φ39<br>380 | 705<br>140 | $450_{-1}$<br>100 | 420<br>634 | 500<br>130 | 3<br>500 | 250<br>125 | Φ120H7<br>71.7 | Φ155<br>54 | 127.4<br>$280_{-1}$ | 32<br>426 | 480<br>36 | 460<br>M24×60 | Φ550<br>253 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

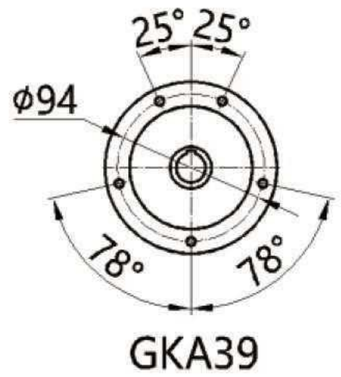
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

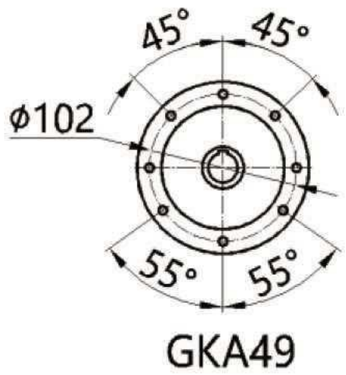
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## A 向法兰安装结构尺寸

## Fig.A Mounting Dimension

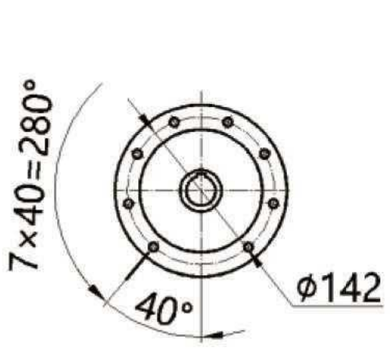



GKA39

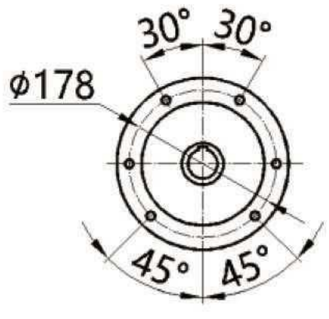



GKA49

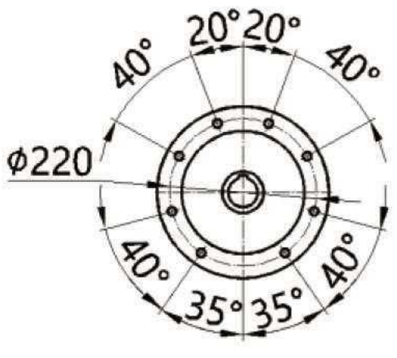
GKA59-69




GKA79




GKA89




GKA99

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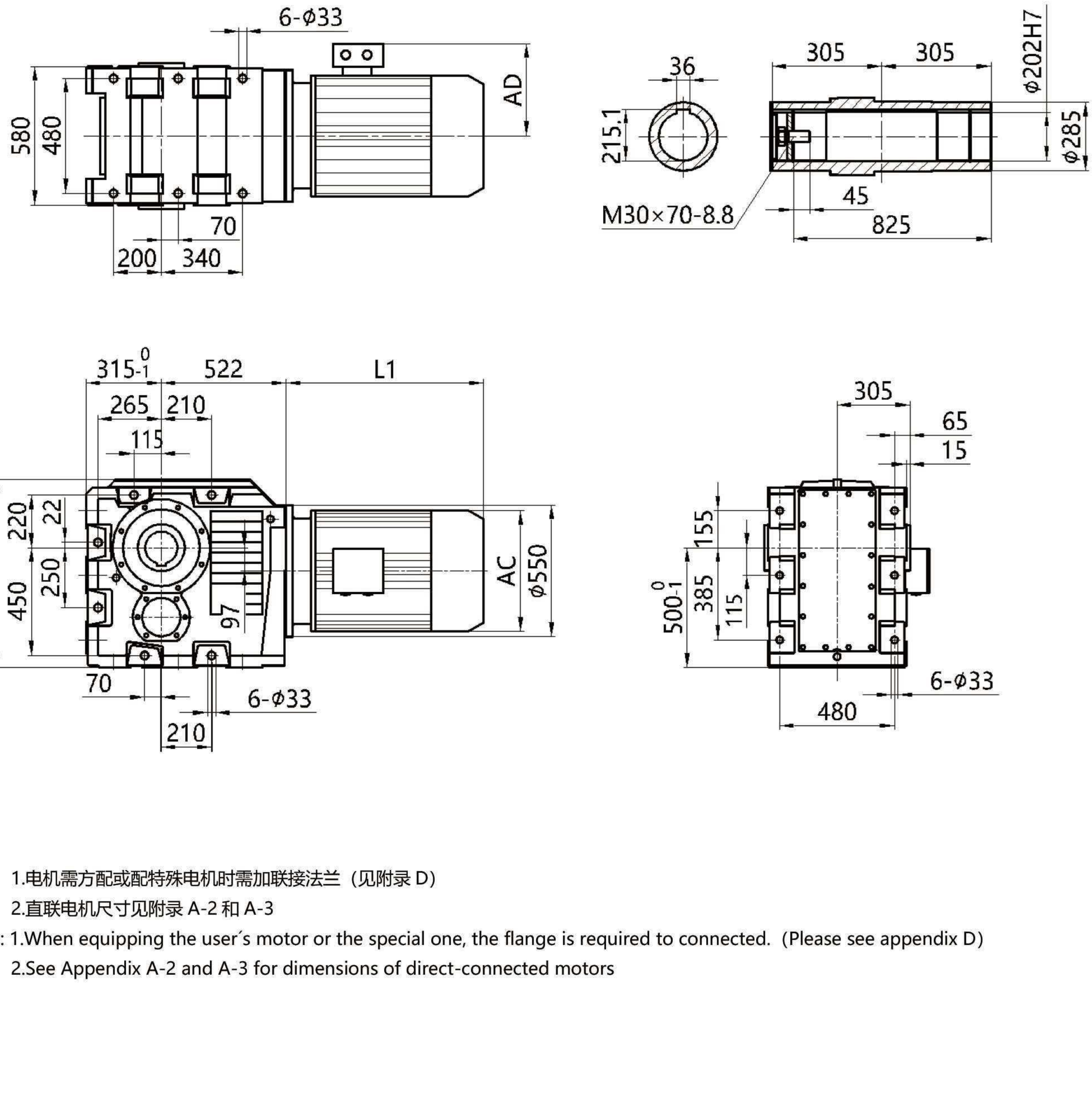
## GKA167
## 安装结构尺寸

## GKA167
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

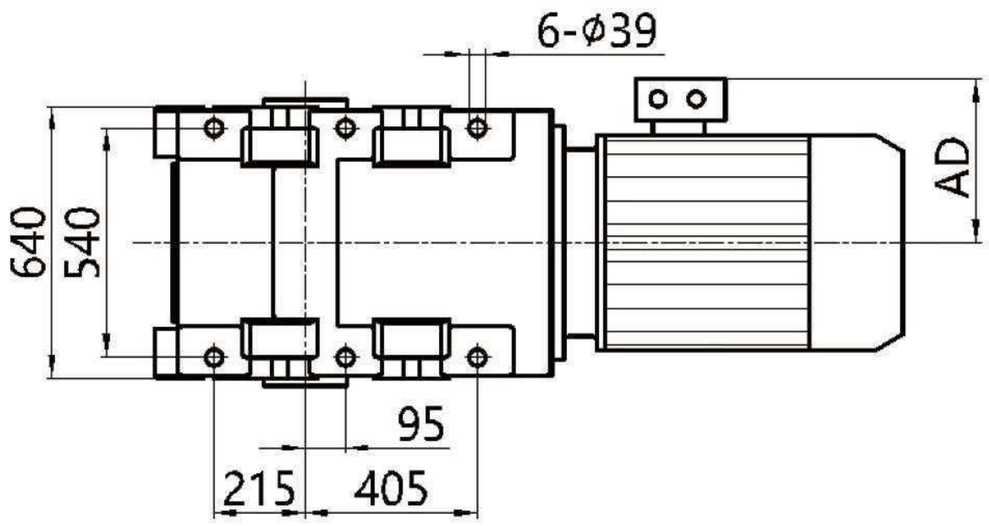
2.直联电机尺寸见附录 A-2 和 A-3

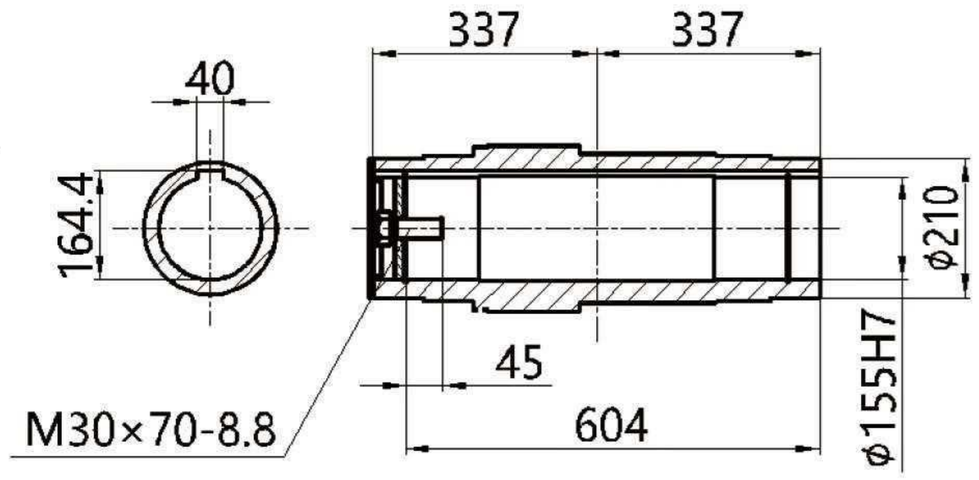
Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

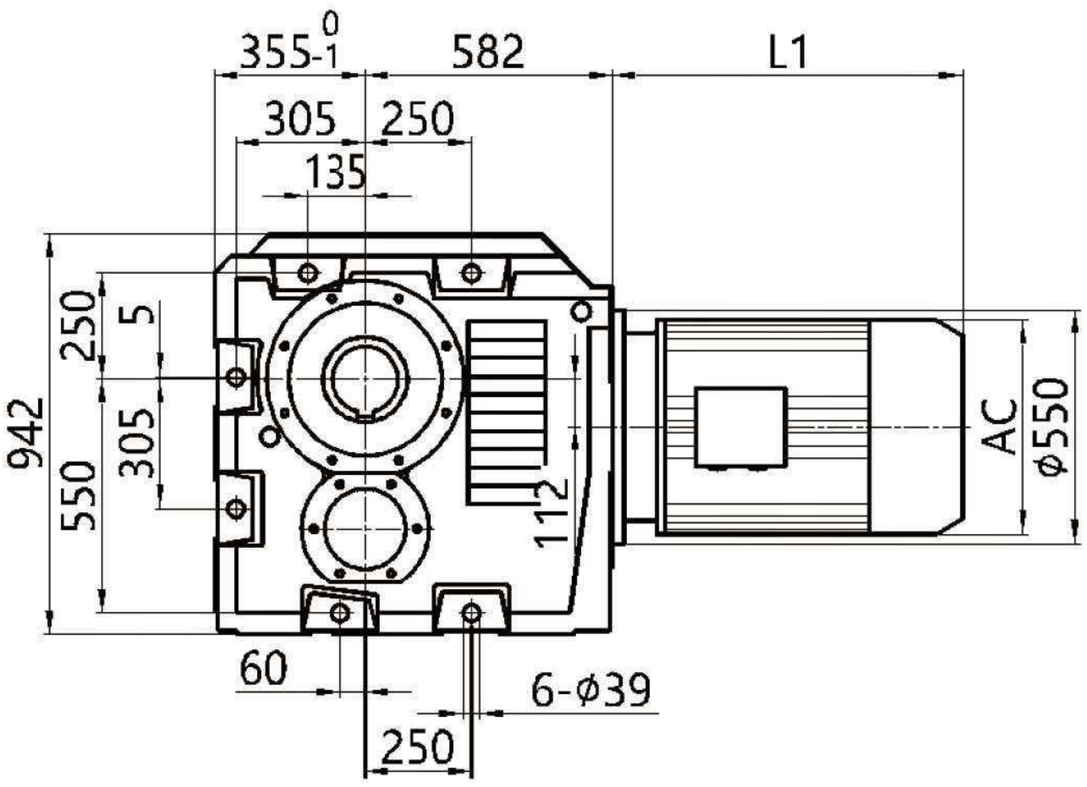
2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

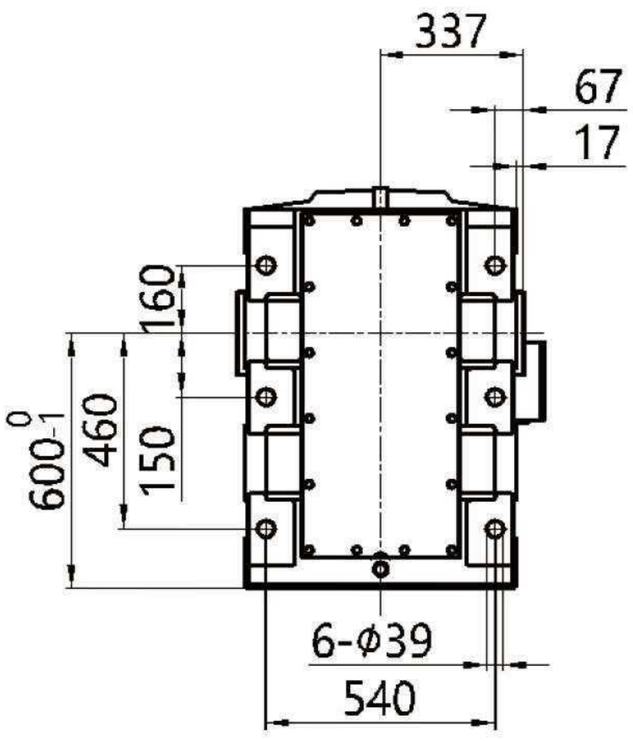
## GKA187
## 安装结构尺寸

## GKA187
## Mounting Dimensional Description




注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

2.直联电机尺寸见附录 A-2 和 A-3

Note: 1.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

2.See Appendix A-2 and A-3 for dimensions of direct-connected motors

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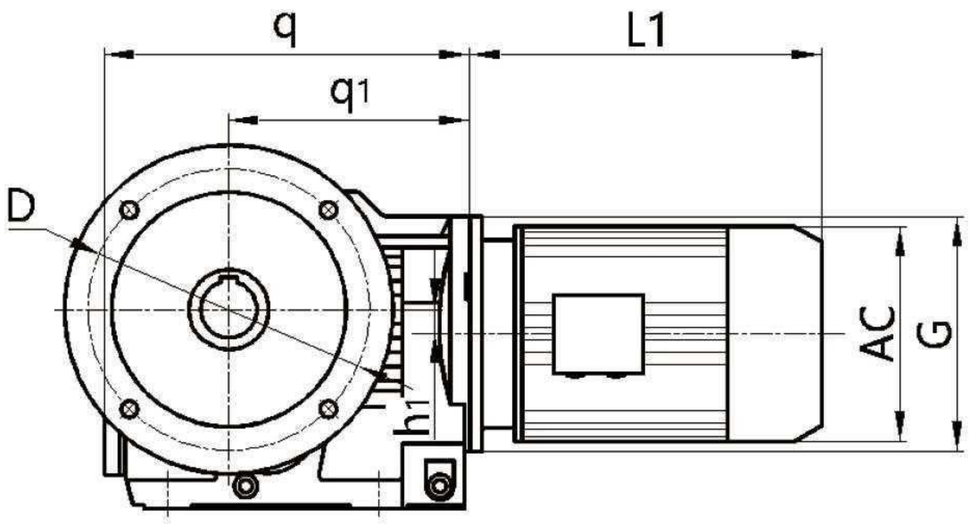
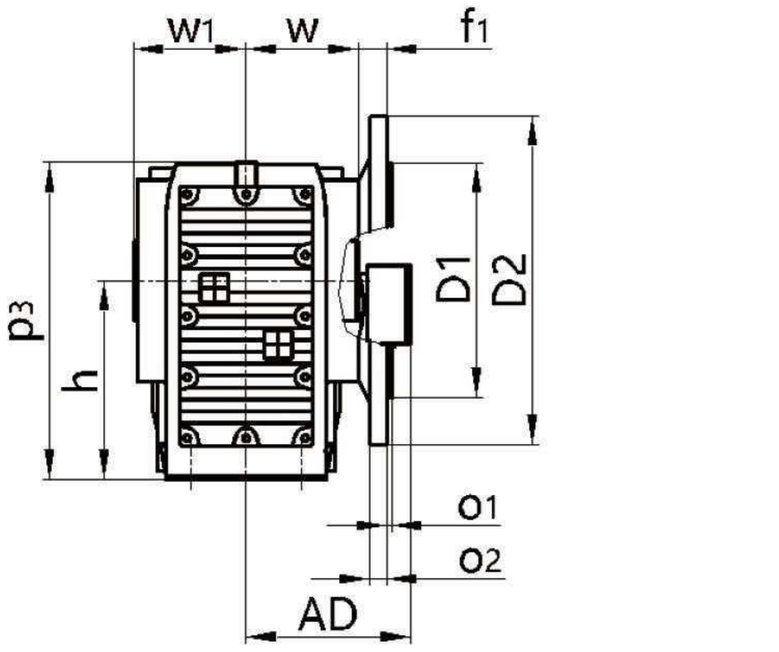
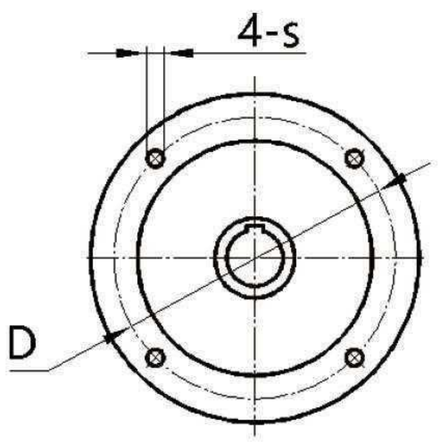
## GKAF37-157
## 安装结构尺寸

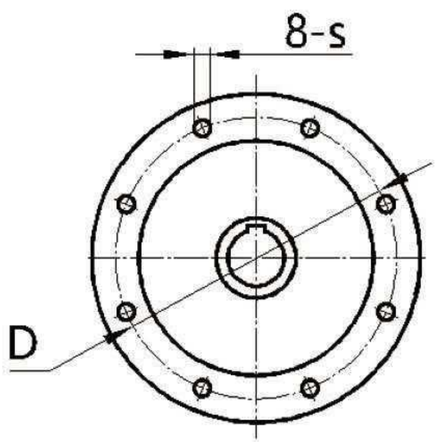
## GKAF37-157
## Mounting Dimensional Description



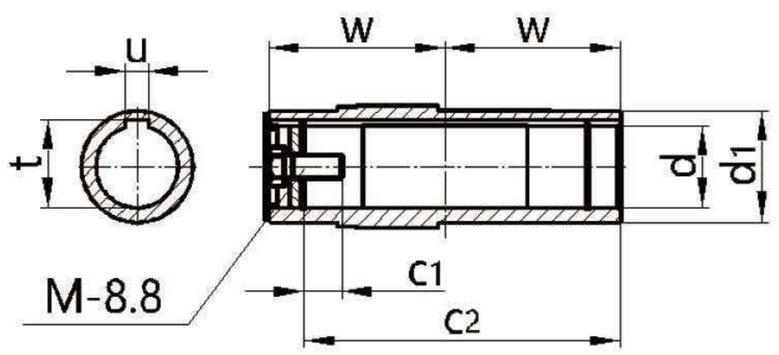




GKAF37-87




GKAF97-157




| 机 型 号<br>Type Size | s<br>o1 | q<br>o2 | q1<br>w | h1<br>f1 | D<br>d | D1<br>d1 | D2<br>u | h<br>t | p3<br>c1 | c2<br>M | G<br>w1 | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | AC | AD | L1 |
| GKAF37 | Φ9<br>3.5 | 210<br>10 | 139<br>60 | 8.5<br>24 | Φ130<br>Φ30H7 | Φ110j6<br>Φ45 | Φ160<br>8 | 100-0.5<br>33.3 | 164<br>17 | 105<br>M10×25 | Φ120<br>63 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GKAF47 | Φ11<br>3.5 | 243<br>12 | 166<br>75 | 7.2<br>25 | Φ165<br>Φ35H7 | Φ130j6<br>Φ50 | Φ200<br>10 | 112-0.5<br>38.3 | 185<br>22 | 132<br>M12×30 | Φ160<br>78 | | | |
| GKAF57 | Φ13.5<br>4 | 270<br>15 | 173<br>83 | 13.1<br>23.5 | Φ215<br>Φ40H7 | Φ180j6<br>Φ55 | Φ250<br>12 | 132-0.5<br>43.3 | 215<br>29 | 142<br>M16×40 | Φ160<br>86 | | | |
| GKAF67 | Φ13.5<br>4 | 275<br>15 | 179<br>90 | 20<br>23 | Φ215<br>Φ40H7 | Φ180j6<br>Φ55 | Φ250<br>12 | 140-0.5<br>43.3 | 226<br>29 | 156<br>M16×40 | Φ160<br>94 | | | |
| GKAF77 | Φ13.5<br>4 | 313<br>16 | 202<br>105 | 31.3<br>37 | Φ265<br>Φ50H7 | Φ230j6<br>Φ70 | Φ300<br>14 | 180-0.5<br>53.8 | 288<br>32 | 183<br>M16×45 | Φ200<br>108 | | | |
| GKAF87 | Φ17.5<br>5 | 391<br>18 | 257<br>120 | 25.9<br>30 | Φ300<br>Φ60H7 | Φ250h6<br>Φ85 | Φ350<br>18 | 212-0.5<br>64.4 | 338<br>36 | 210<br>M20×50 | Φ250<br>123 | | | |
| GKAF97 | Φ17.5<br>5 | 435<br>22 | 277<br>150 | 32.3<br>41.5 | Φ400<br>Φ70H7 | Φ350h6<br>Φ95 | Φ450<br>20 | 265-1<br>74.9 | 417<br>34 | 270<br>M20×50 | Φ300<br>153 | | | |
| GKAF107 | Φ17.5<br>5 | 537<br>22 | 341<br>175 | 52<br>41 | Φ400<br>Φ90H7 | Φ350h6<br>Φ118 | Φ450<br>25 | 315-1<br>95.4 | 500<br>40 | 313<br>M24×60 | Φ350<br>178 | | | |
| GKAF127 | Φ17.5<br>5 | 615<br>25 | 390<br>205 | 53<br>51 | Φ500<br>Φ100H7 | Φ450h6<br>Φ135 | Φ550<br>28 | 375-1<br>106.4 | 592<br>38 | 373<br>M24×60 | Φ450<br>208 | | | |
| GKAF157 | Φ22<br>6 | 706<br>28 | 426<br>250 | 71.7<br>60 | Φ600<br>Φ120H7 | Φ550h6<br>Φ155 | Φ660<br>32 | 450-1<br>127.4 | 705<br>36 | 460<br>M24×60 | Φ550<br>253 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

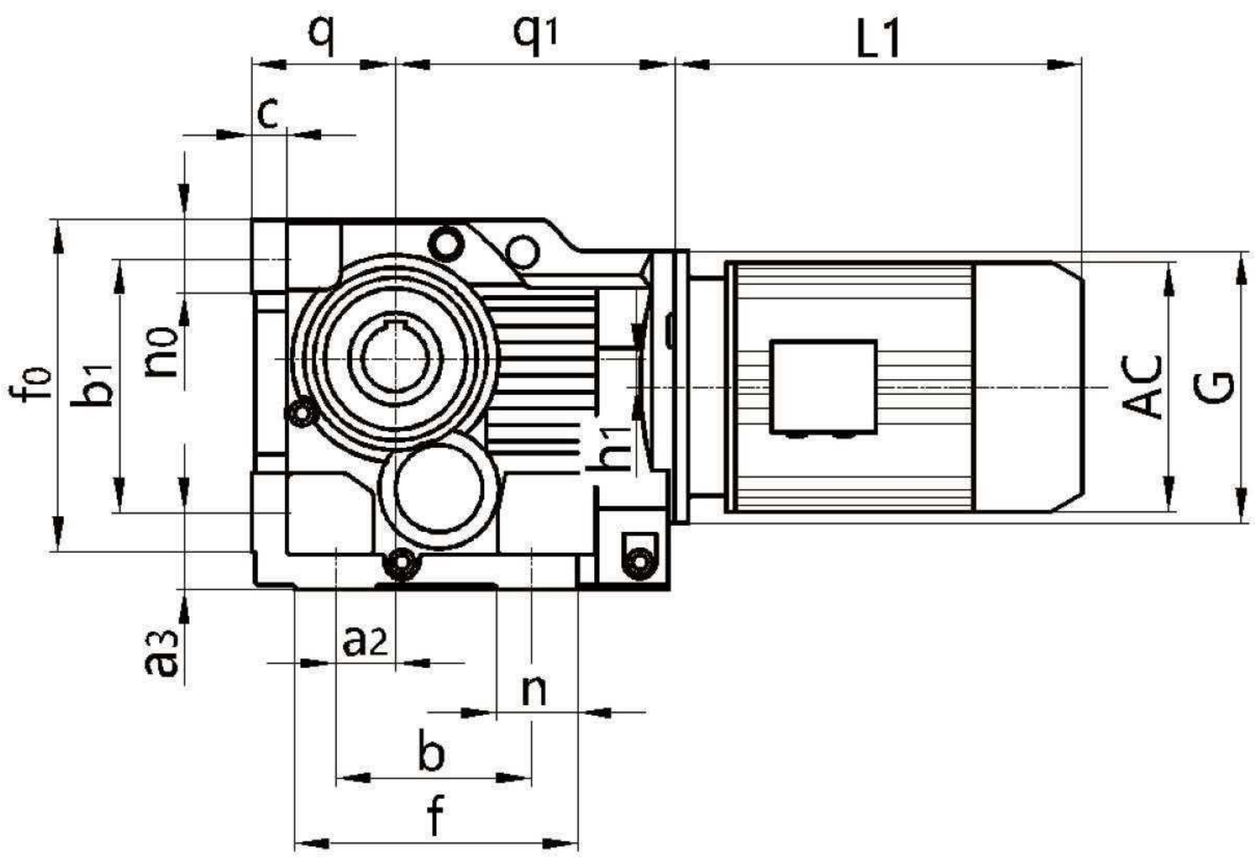
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

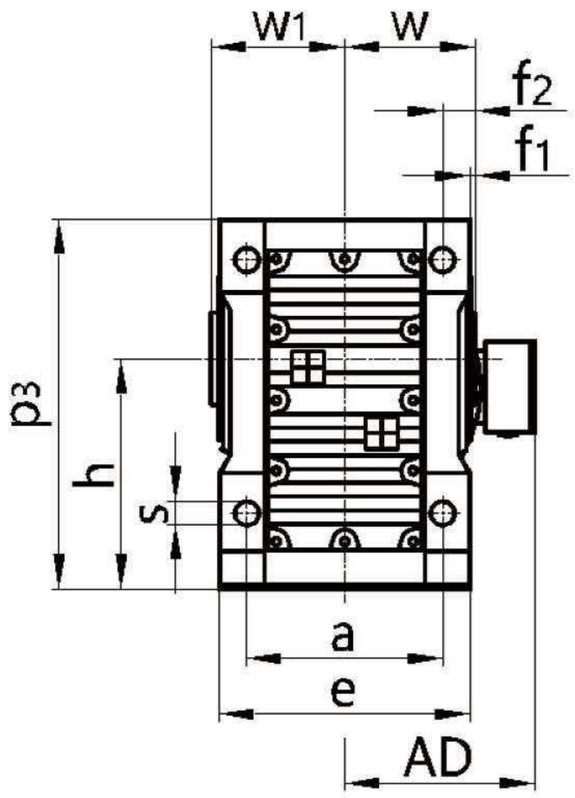
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

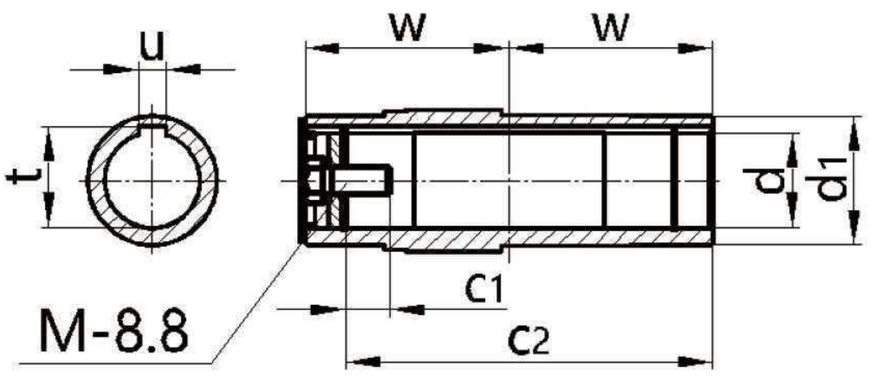
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GKAB47-107
## 安装结构尺寸

## GKAB47-107
## Mounting Dimensional Description




| 机型号 Type Size | s<br>b | $p_3$<br>$a_2$ | h<br>n | a<br>$f_0$ | e<br>$a_3$ | $f_1$<br>$b_1$ | w<br>$n_0$ | d<br>$h_1$ | $d_1$<br>c | t<br>q | u<br>$q_1$ | f<br>$f_2$ | $c_1$<br>$c_2$ | $w_1$<br>M | G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GKAB47** | Φ11<br>130 | 185<br>35 | $112_{-0.5}$<br>32 | 120<br>170 | 145<br>37 | 3<br>130 | 75<br>37 | Φ35H7<br>7.2 | Φ50<br>18 | 38.3<br>$71_{-0.5}$ | 10<br>166 | 162<br>15 | 22<br>132 | 78<br>M12×30 | Φ160 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| **GKAB57** | Φ13.5<br>130 | 217<br>30 | $132_{-0.5}$<br>43 | 130<br>190 | 157<br>45 | 3<br>150 | 83<br>43 | Φ40H7<br>13.1 | Φ55<br>21 | 43.3<br>$80_{-0.5}$ | 12<br>173 | 172<br>18 | 29<br>142 | 86<br>M16×40 | Φ160 | | | |
| **GKAB67** | Φ13.5<br>120 | 228<br>30 | $140_{-0.5}$<br>45 | 140<br>203 | 170<br>45 | 3.5<br>160 | 90<br>43 | Φ40H7<br>20 | Φ55<br>24 | 43.3<br>$90_{-0.5}$ | 12<br>179 | 170<br>20 | 29<br>156 | 94<br>M16×40 | Φ160 | | | |
| **GKAB77** | Φ17.5<br>150 | 288<br>40 | $180_{-0.5}$<br>55 | 165<br>263 | 200<br>55 | 4<br>200 | 105<br>55 | Φ50H7<br>31.3 | Φ70<br>27 | 53.8<br>$112_{-0.5}$ | 14<br>202 | 212.5<br>22.5 | 32<br>183 | 108<br>M16×45 | Φ200 | | | |
| **GKAB87** | Φ22<br>180 | 340<br>55 | $212_{-0.5}$<br>75 | 180<br>305 | 230<br>70 | 4<br>233 | 120<br>67 | Φ60H7<br>25.9 | Φ85<br>32 | 64.4<br>$132_{-0.5}$ | 18<br>257 | 260<br>30 | 36<br>210 | 123<br>M20×50 | Φ250 | | | |
| **GKAB97** | Φ26<br>240 | 417<br>75 | $265_{-1}$<br>60 | 240<br>372 | 290<br>75 | 4<br>295 | 150<br>82 | Φ70H7<br>32.3 | Φ95<br>36 | 74.9<br>$160_{-0.5}$ | 20<br>277 | 294<br>30 | 34<br>270 | 153<br>M20×50 | Φ300 | | | |
| **GKAB107** | Φ33<br>280 | 503<br>95 | $315_{-1}$<br>100 | 270<br>448 | 340<br>95 | 3<br>360 | 175<br>90 | Φ90H7<br>52 | Φ118<br>40 | 95.4<br>$200_{-0.5}$ | 25<br>341 | 380<br>40 | 40<br>313 | 178<br>M24×60 | Φ350 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

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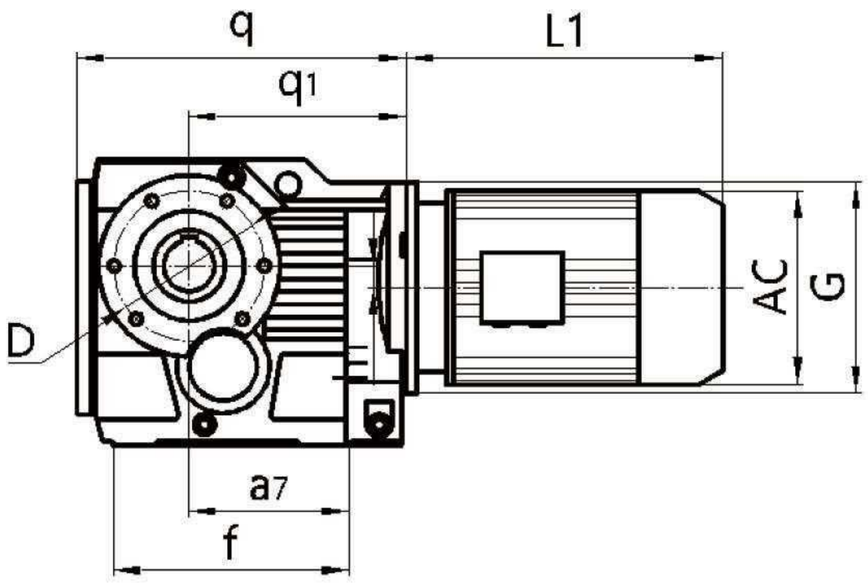
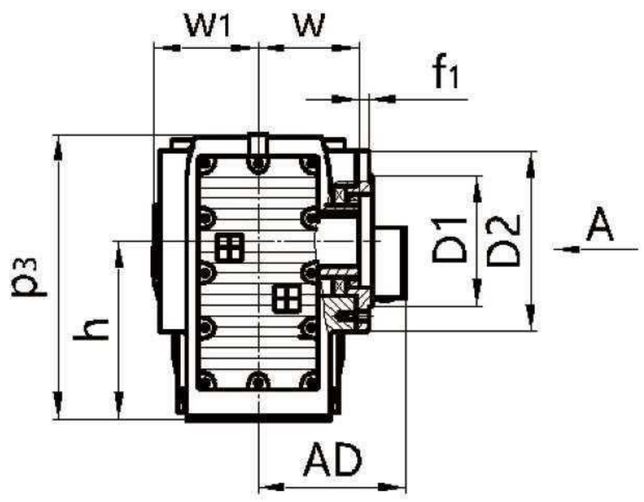
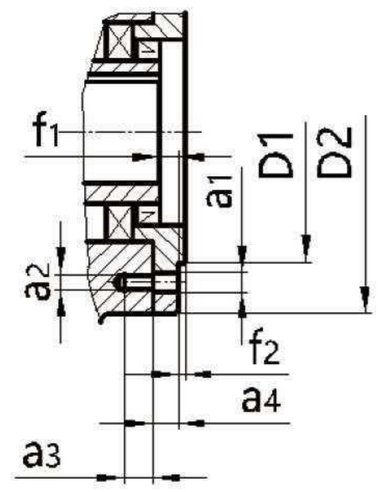
## GKAZ37-157
## 安装结构尺寸

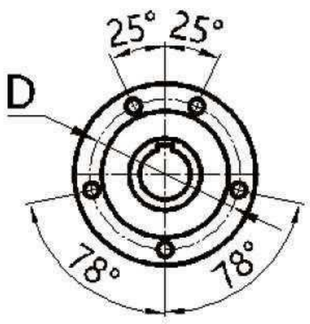
## GKAZ37-157
## Mounting Dimensional Description



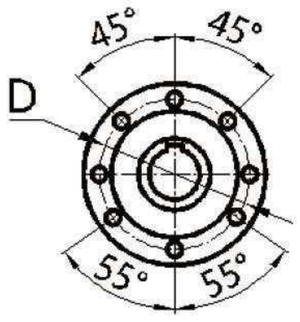



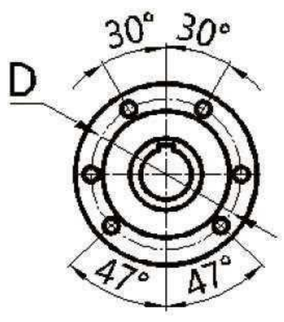

A向法兰安装结构尺寸（Fig.A Mounting Dimension）



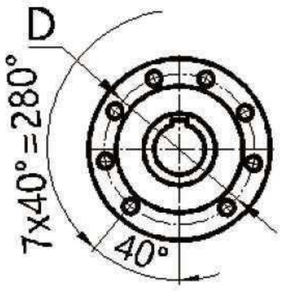

GKAZ37



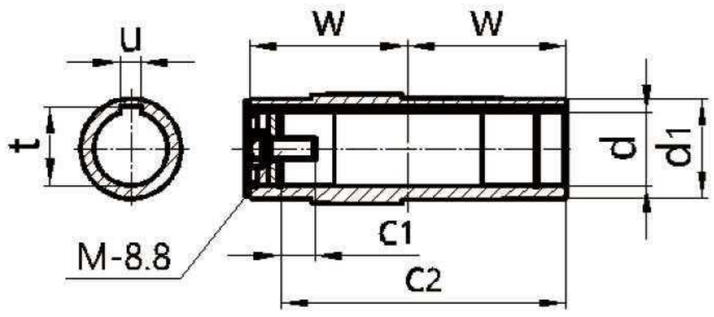

GKAZ47

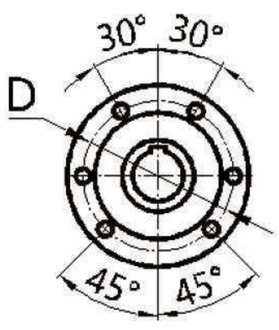



GKAZ57-67

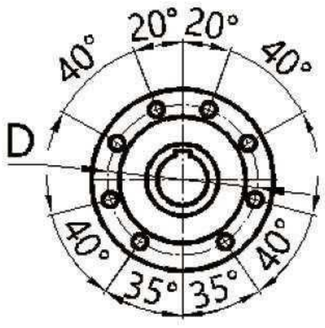



GKAZ77

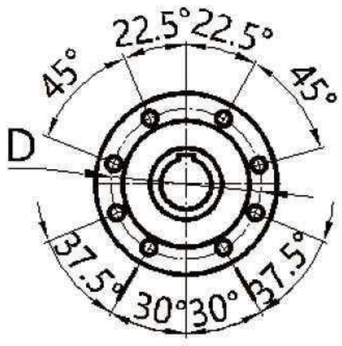


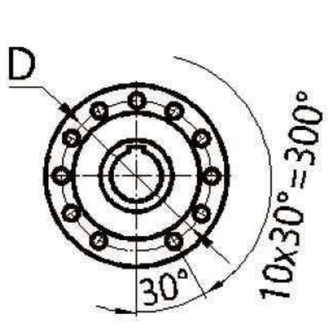

GKAZ87



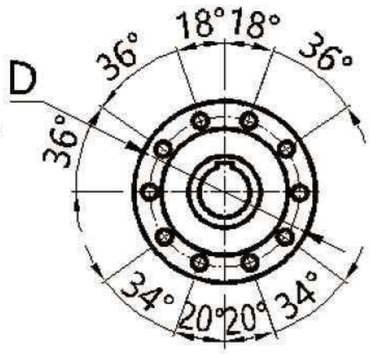

GKAZ97




GKAZ107




GKAZ127




GKAZ157

| 机 型 号<br>Type Size | q<br>$q_1$ | D1<br>D2 | h<br>$h_1$ | $p_3$<br>$a_7$ | f<br>$f_1$ | w<br>$w_1$ | d<br>$d_1$ | $c_2$<br>$c_1$ | t<br>u | $a_3$<br>$a_4$ | $f_2$<br>$a_2$ | $a_1$<br>D | G<br>M | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GKAZ37** | 210<br>139 | Φ80j6<br>Φ110 | $100_{-0.5}$<br>8.5 | 164<br>97 | 147<br>9 | 60<br>63 | Φ30H7<br>Φ45 | 105<br>17 | 33.3<br>8 | 12<br>11.5 | 3<br>M8 | Φ9<br>Φ94 | Φ120<br>M10×25 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| **GKAZ47** | 243<br>166 | Φ80j6<br>Φ120 | $112_{-0.5}$<br>7.2 | 185<br>115 | 170<br>8 | 75<br>78 | Φ35H7<br>Φ50 | 132<br>22 | 38.3<br>10 | 12<br>11 | 3<br>M8 | Φ9<br>Φ102 | Φ160<br>M12×30 | | | |
| **GKAZ57** | 270<br>173 | Φ105j6<br>Φ155 | $132_{-0.5}$<br>13.1 | 215<br>120 | 182<br>9 | 83<br>86 | Φ40H7<br>Φ55 | 142<br>29 | 43.3<br>12 | 20<br>12 | 3.5<br>M12 | Φ13.5<br>Φ125 | Φ160<br>M16×40 | | | |
| **GKAZ67** | 275<br>179 | Φ105j6<br>Φ155 | $140_{-0.5}$<br>20 | 226<br>125 | 182<br>8.5 | 90<br>94 | Φ40H7<br>Φ55 | 156<br>29 | 43.3<br>12 | 21<br>12 | 3.5<br>M12 | Φ13.5<br>Φ125 | Φ160<br>M16×40 | | | |
| **GKAZ77** | 313<br>202 | Φ125j6<br>Φ170 | $180_{-0.5}$<br>31.3 | 288<br>139 | 204<br>10 | 105<br>108 | Φ50H7<br>Φ70 | 183<br>32 | 53.8<br>14 | 23<br>14 | 3.5<br>M12 | Φ13.5<br>Φ142 | Φ200<br>M16×45 | | | |
| **GKAZ87** | 391<br>257 | Φ155j6<br>Φ215 | $212_{-0.5}$<br>25.9 | 338<br>190 | 280<br>11 | 120<br>123 | Φ60H7<br>Φ85 | 210<br>36 | 64.4<br>18 | 30<br>15 | 4<br>M16 | Φ17.5<br>Φ178 | Φ250<br>M20×50 | | | |
| **GKAZ97** | 435<br>277 | Φ180j6<br>Φ260 | $265_{-1}$<br>32.3 | 417<br>190 | 298<br>14 | 150<br>153 | Φ70H7<br>Φ95 | 270<br>34 | 74.9<br>20 | 28<br>18 | 4<br>M16 | Φ17.5<br>Φ220 | Φ300<br>M20×50 | | | |
| **GKAZ107** | 537<br>341 | Φ210j6<br>Φ304 | $315_{-1}$<br>52 | 500<br>230 | 370<br>-8 | 175<br>178 | Φ90H7<br>Φ118 | 313<br>40 | 95.4<br>25 | 32<br>22 | 4<br>M20 | Φ22<br>Φ260 | Φ350<br>M24×60 | | | |
| **GKAZ127** | 615<br>390 | Φ250h6<br>Φ350 | $375_{-1}$<br>53 | 592<br>275 | 440<br>0 | 205<br>208 | Φ100H7<br>Φ135 | 373<br>38 | 106.4<br>28 | 36<br>30 | 5<br>M20 | Φ22<br>Φ300 | Φ450<br>M24×60 | | | |
| **GKAZ157** | 706<br>426 | Φ290h6<br>Φ400 | $450_{-1}$<br>71.7 | 705<br>290 | 480<br>-14 | 250<br>253 | Φ120H7<br>Φ155 | 460<br>36 | 127.4<br>32 | 42<br>28 | 5<br>M24 | Φ26<br>Φ340 | Φ550<br>M24×60 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

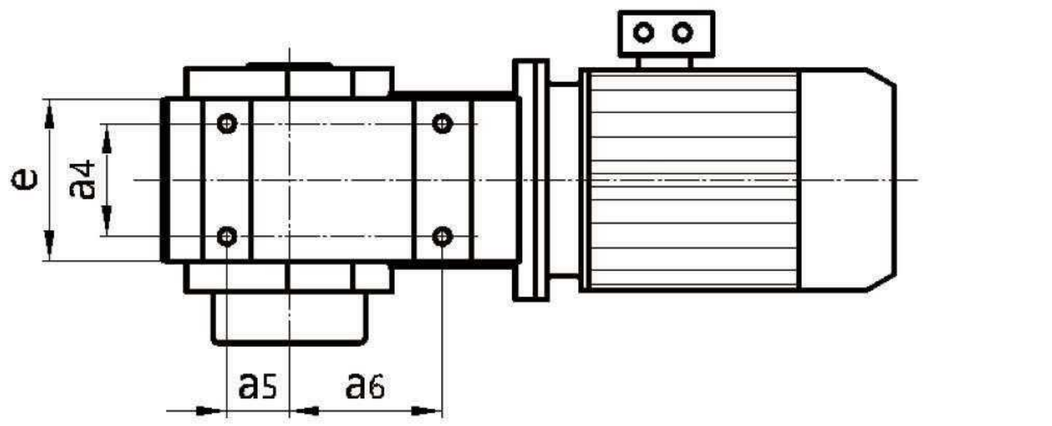
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

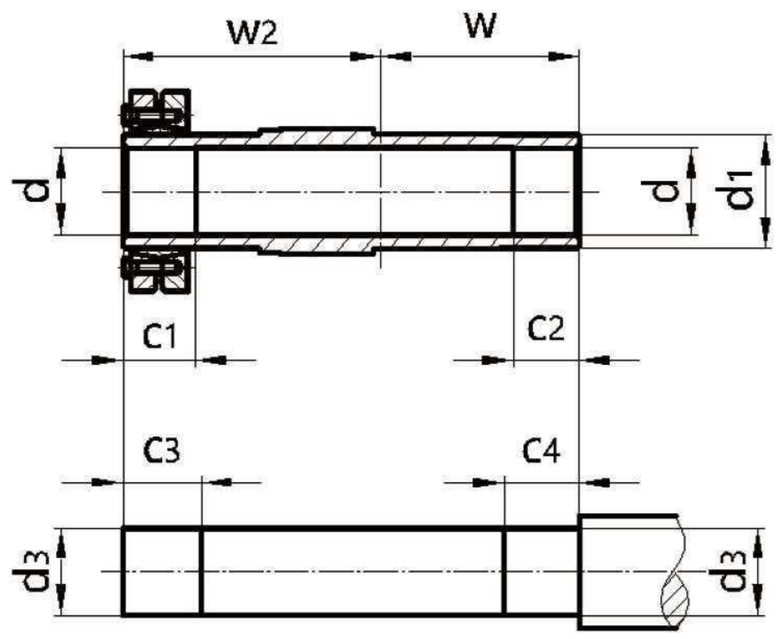
Note: 1.the dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

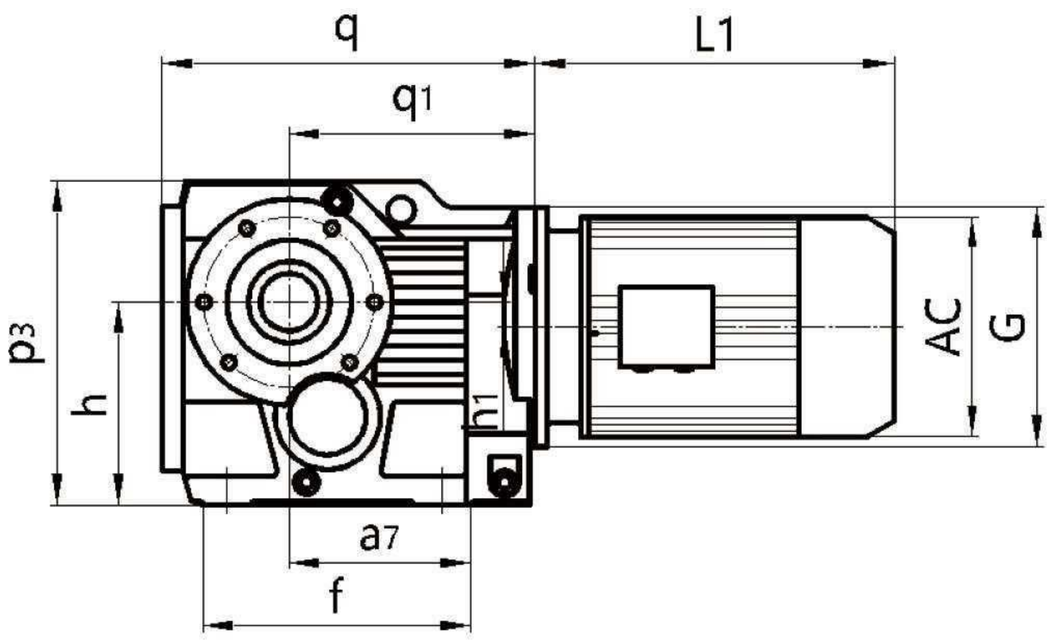
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

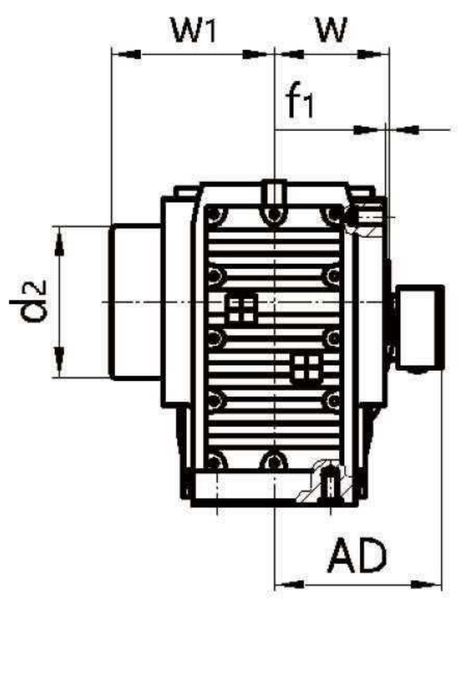
## GKH37-107
## 安装结构尺寸

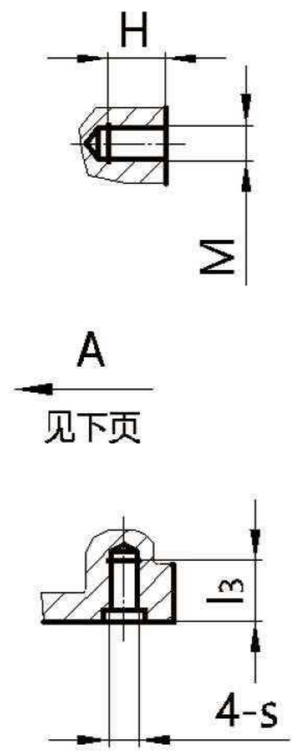
## GKH37-107
## Mounting Dimensional Description




| 机 型 号<br>Type Size | q<br>$q_1$ | h<br>$h_1$ | e<br>$p_3$ | $a_4$<br>$a_5$ | $a_6$<br>$a_7$ | f<br>$f_1$ | $d_2$<br>$d_1$ | d<br>$d_3$ | w<br>$w_1$ | $w_2$<br>G | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | s<br>$l_3$ | M<br>H | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | AC | AD | L1 |
| GKH37 | 210<br>139 | $100_{-0.5}$<br>8.5 | 100<br>164 | 60<br>35 | 82<br>97 | 147<br>2.5 | Φ80<br>Φ45 | Φ30H7<br>Φ30h6 | 60<br>95 | 86<br>Φ120 | 31<br>20 | 36<br>25 | M10<br>20 | M8<br>12 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GKH47 | 243<br>166 | $112_{-0.5}$<br>7.2 | 110<br>185 | 70<br>40 | 100<br>115 | 170<br>3 | Φ88<br>Φ50 | Φ35H7<br>Φ35h6 | 75<br>110 | 102<br>Φ160 | 32<br>20 | 37<br>25 | M10<br>20 | M8<br>12 | | | |
| GKH57 | 269<br>173 | $132_{-0.5}$<br>13.1 | 122<br>215 | 88<br>47 | 105<br>120 | 182<br>3 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 83<br>120 | 112<br>Φ160 | 26<br>20 | 31<br>25 | M12<br>25 | M12<br>20 | | | |
| GKH67 | 274<br>179 | $140_{-0.5}$<br>20 | 130<br>226 | 88<br>42 | 110<br>125 | 182<br>3.5 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 90<br>126 | 118<br>Φ160 | 38<br>20 | 43<br>25 | M12<br>25 | M12<br>20 | | | |
| GKH77 | 312<br>202 | $180_{-0.5}$<br>31.3 | 154<br>288 | 102<br>48 | 122<br>139 | 204<br>4 | Φ127<br>Φ70 | Φ50H7<br>Φ50h6 | 105<br>146 | 136<br>Φ200 | 36<br>30 | 41<br>35 | M16<br>32 | M12<br>20 | | | |
| GKH87 | 390<br>257 | $212_{-0.5}$<br>25.9 | 170<br>338 | 118<br>65 | 160<br>190 | 280<br>4 | Φ159<br>Φ85 | Φ65H7<br>Φ65h6 | 120<br>170 | 161<br>Φ250 | 41<br>40 | 46<br>45 | M16<br>32 | M16<br>26 | | | |
| GKH97 | 435<br>277 | $265_{-1}$<br>32.3 | 226<br>417 | 160<br>83 | 165<br>190 | 298<br>4 | Φ174<br>Φ95 | Φ75H7<br>Φ75h6 | 150<br>206 | 195<br>Φ300 | 55<br>50 | 60<br>55 | M20<br>36 | M16<br>26 | | | |
| GKH107 | 537<br>341 | $315_{-1}$<br>52 | 266<br>500 | 190<br>100 | 190<br>230 | 370<br>2.5 | Φ234<br>Φ118 | Φ95H7<br>Φ95h6 | 175<br>245 | 230<br>Φ350 | 65<br>60 | 75<br>70 | M24<br>44 | /<br>/ | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

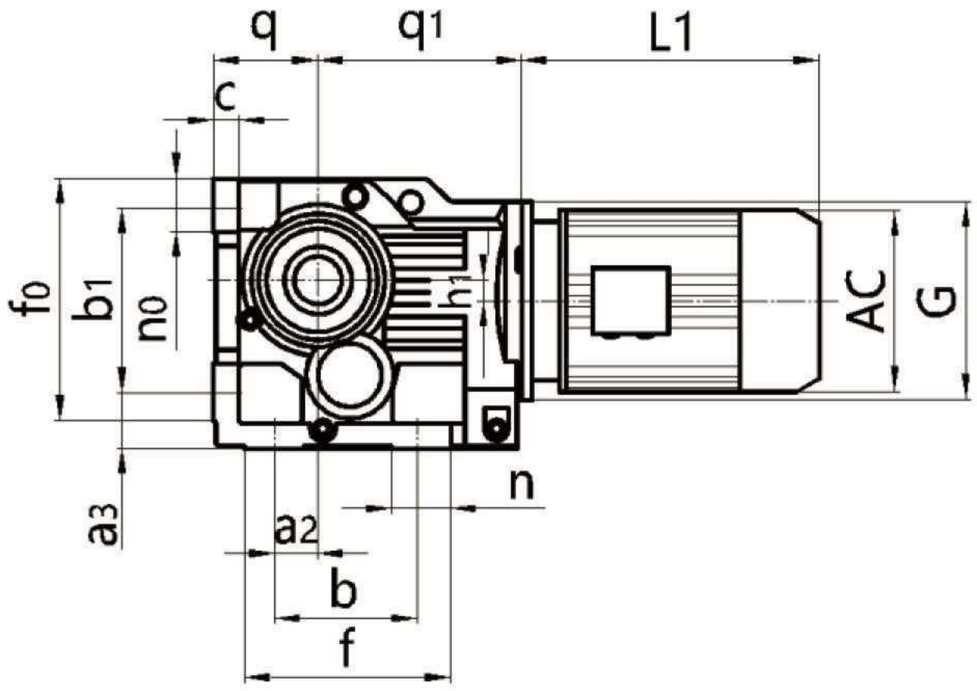
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

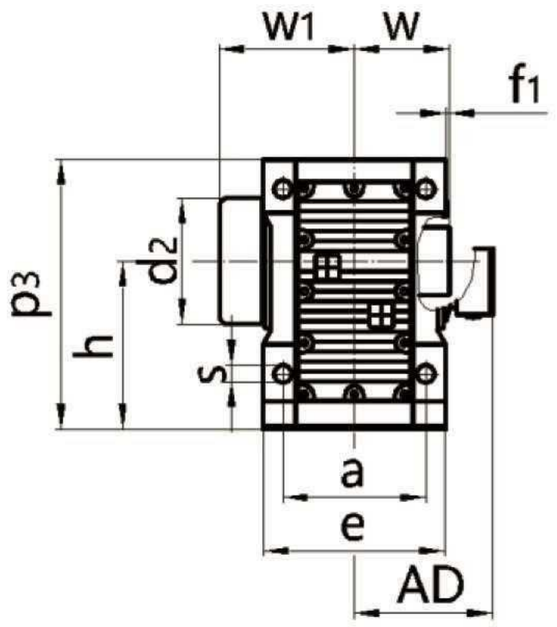
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

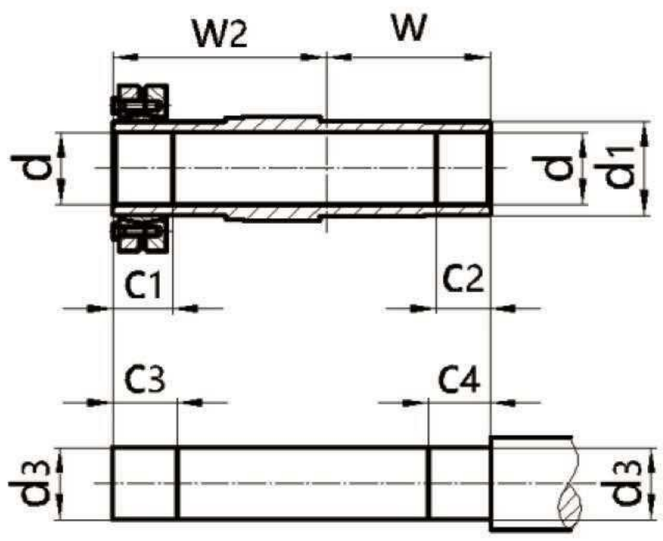
K

## GKH127-157
## 安装结构尺寸

## GKH127-157
## Mounting Dimensional Description




| 机 型 号 Type Size | $q_1$ q | c s | $n_0$ $b_1$ | $f_0$ $a_3$ | f n | $a_2$ b | h $p_3$ | a e | w $w_1$ | $w_2$ $f_1$ | $c_1$ $c_2$ | $c_3$ $c_4$ | $d_2$ $d_1$ | d $d_3$ | $h_1$ G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | AC | AD | L1 |
| GKH127 | 390<br>$225_{-0.5}$ | 45<br>Φ39 | 111<br>420 | 526<br>110 | 440<br>100 | 115<br>350 | $375_{-1}$<br>592 | 330<br>400 | 205<br>296 | 280<br>2.5 | 85<br>70 | 95<br>80 | Φ250<br>Φ135 | Φ105H7<br>Φ105h6 | 53<br>Φ450 | 见附录<br>A-2 和 A-3<br>Please see appendix<br>A-2 and A-3 | | |
| GKH157 | 426<br>$280_{-1}$ | 54<br>Φ39 | 115<br>500 | 634<br>130 | 480<br>100 | 140<br>380 | $450_{-1}$<br>705 | 420<br>500 | 250<br>350 | 330<br>3 | 90<br>80 | 100<br>90 | Φ287<br>Φ155 | Φ125H7<br>Φ125h6 | 71.7<br>Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

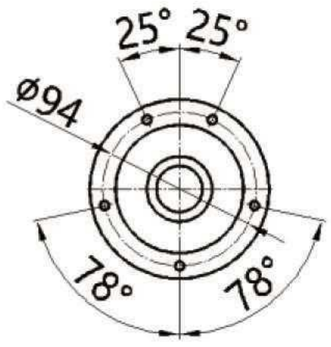
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

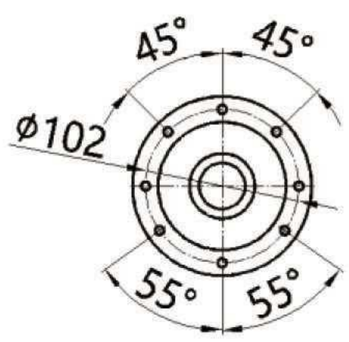
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## A 向法兰安装结构尺寸

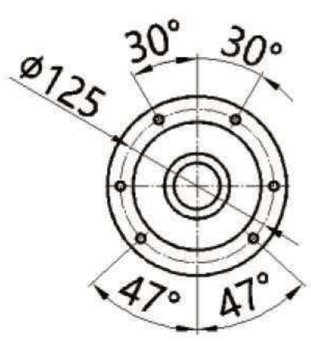
## Fig.A Mounting Dimension



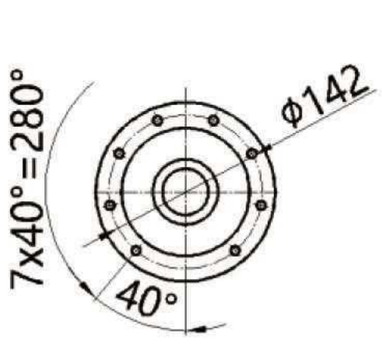

GKH37



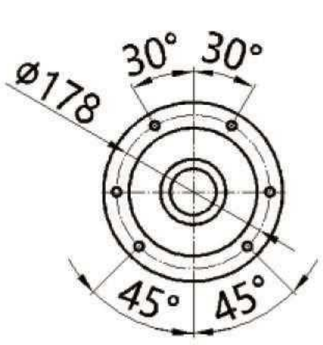

GKH47



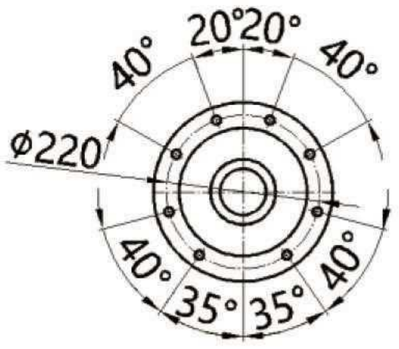

GKH57-67




GKH77



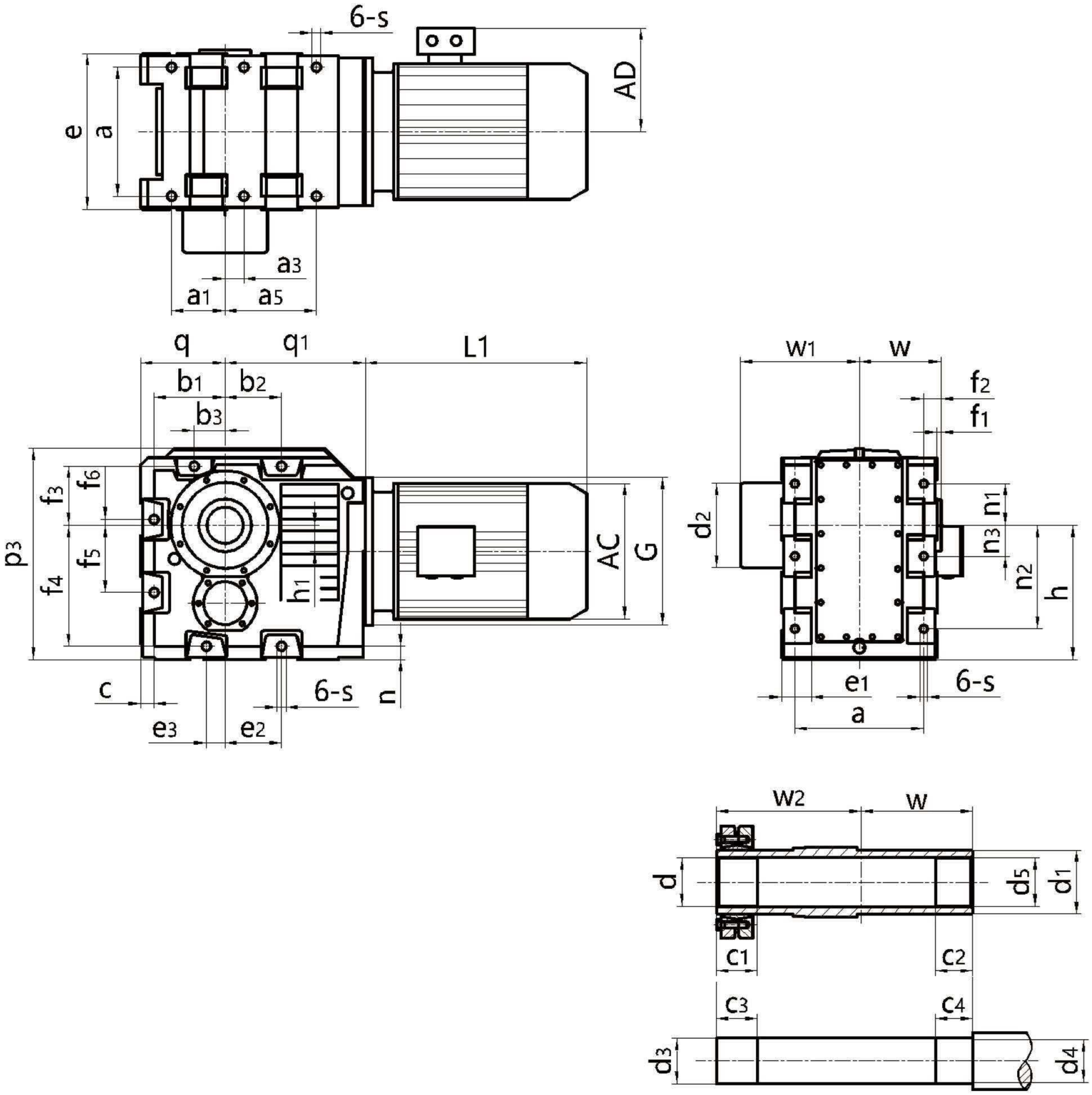

GKH87




GKH97

## GKH167-187
## 安装结构尺寸

## GKH167-187
## Mounting Dimensional Description




| 机 型 号 Type size | $a_1$ $a_2$ $a_3$ | $p_3$ q $q_1$ | $b_1$ $b_2$ $b_3$ | $f_3$ $f_4$ $f_5$ | $f_6$ $h_1$ n | $e_2$ $e_3$ c | a $f_2$ $f_1$ | h $n_1$ $n_2$ | $n_3$ e $e_1$ | $c_1$ $c_2$ $c_3$ | $c_4$ w $w_1$ | $w_2$ s $d_2$ | d $d_5$ $d_3$ | $d_4$ $d_1$ G | 电机尺寸 Motor size AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GKH167 | 200<br>340<br>70 | 786<br>315-1<br>522 | 265<br>210<br>115 | 220<br>450<br>250 | 22<br>97<br>50 | 210<br>70<br>50 | 480<br>65<br>15 | 500-1<br>155<br>385 | 115<br>580<br>104 | 122<br>90<br>130 | 100<br>305<br>442 | 423<br>Φ33<br>Φ317 | Φ135H7<br>Φ140H7<br>Φ135h6 | Φ140h6<br>Φ180<br>Φ550 | 见附录 A-2 和 A-3 Please see appendix A-2 and A-3 | | |
| GKH187 | 215<br>405<br>95 | 942<br>355-1<br>582 | 305<br>250<br>135 | 250<br>550<br>305 | 5<br>112<br>50 | 250<br>60<br>50 | 540<br>67<br>17 | 600-1<br>160<br>460 | 150<br>640<br>110 | 117<br>95<br>130 | 105<br>337<br>474 | 455<br>Φ39<br>Φ367 | Φ155H7<br>Φ160H7<br>Φ155h6 | Φ160h6<br>Φ210<br>Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

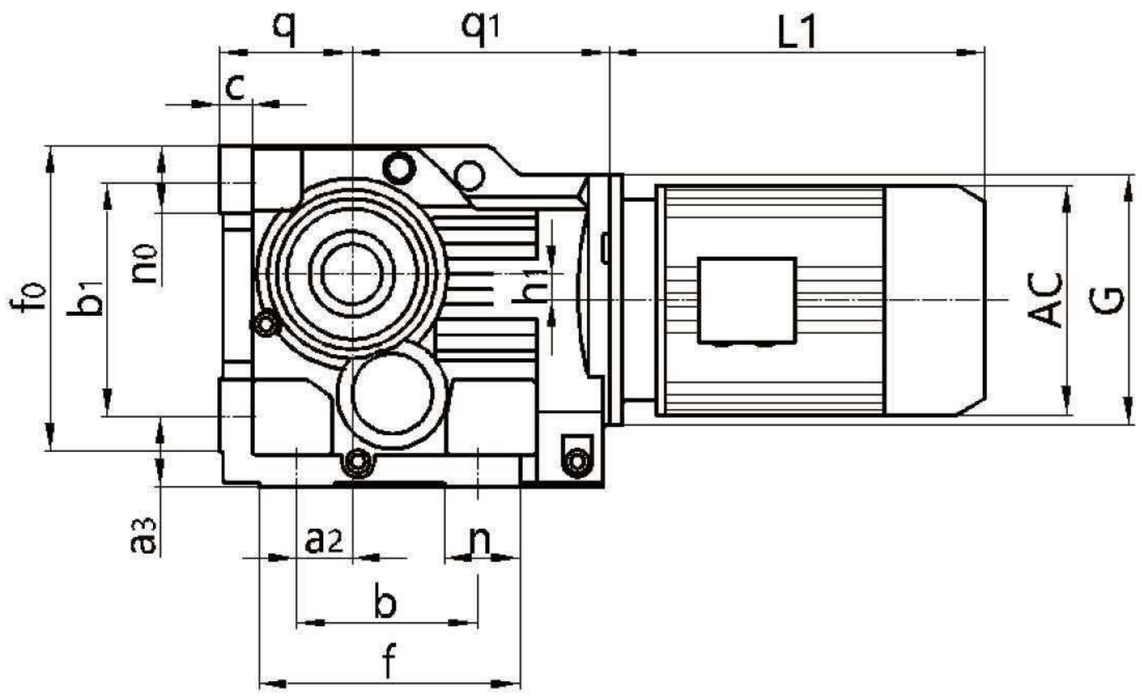
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

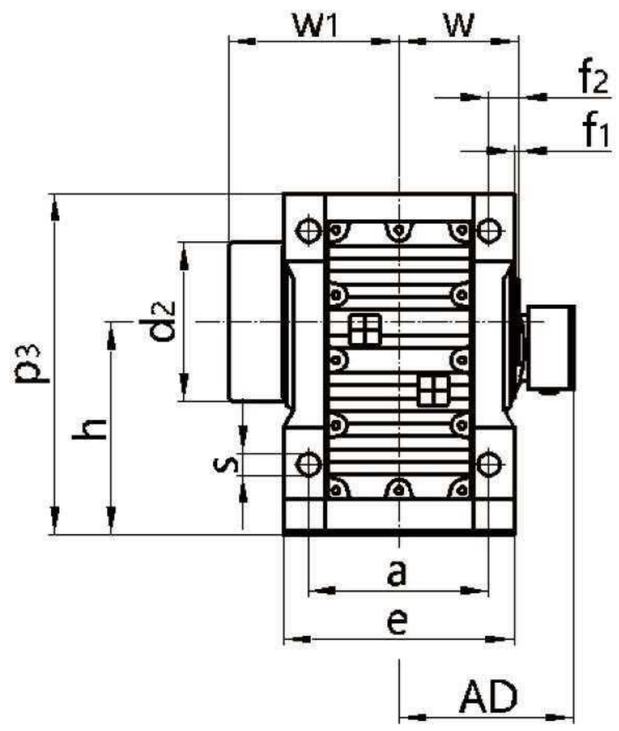
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

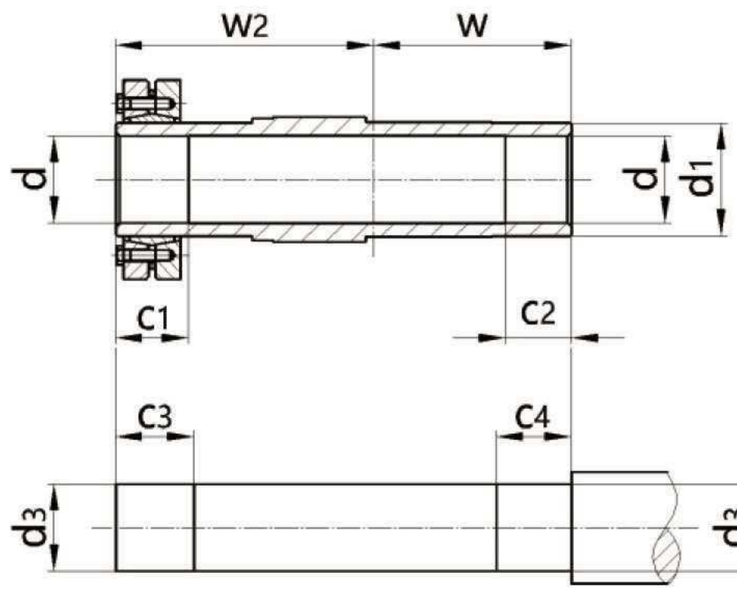
K

## GKHB47-107
## 安装结构尺寸




## GKHB47-107
## Mounting Dimensional Description




| 机 型 号<br>Type Size | q<br>$q_1$ | s<br>b | $p_3$<br>$a_2$ | h<br>n | a<br>$b_1$ | e<br>$a_3$ | $f_0$<br>$f_1$ | w<br>$n_0$ | d<br>$d_3$ | c<br>$h_1$ | $d_1$<br>$d_2$ | f<br>$f_2$ | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | $w_1$<br>$w_2$ | G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | | AC | AD | L1 |
| GKHB47 | $71_{-0.5}$<br>166 | Φ11<br>130 | 185<br>35 | $112_{-0.5}$<br>32 | 120<br>130 | 145<br>37 | 170<br>3 | 75<br>37 | Φ35H7<br>Φ35h6 | 18<br>7.2 | Φ50<br>Φ88 | 162<br>15 | 32<br>20 | 37<br>25 | 110<br>102 | Φ160 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GKHB57 | $80_{-0.5}$<br>173 | Φ13.5<br>130 | 217<br>30 | $132_{-0.5}$<br>40 | 130<br>150 | 157<br>45 | 190<br>3 | 83<br>43 | Φ40H7<br>Φ40h6 | 21<br>13.1 | Φ55<br>Φ102 | 172<br>18 | 26<br>20 | 31<br>25 | 120<br>112 | Φ160 | | | |
| GKHB67 | $90_{-0.5}$<br>179 | Φ13.5<br>120 | 228<br>30 | $140_{-0.5}$<br>45 | 140<br>160 | 170<br>45 | 203<br>3.5 | 90<br>43 | Φ40H7<br>Φ40h6 | 24<br>20 | Φ55<br>Φ102 | 170<br>20 | 38<br>20 | 43<br>25 | 126<br>118 | Φ160 | | | |
| GKHB77 | $112_{-0.5}$<br>202 | Φ17.5<br>150 | 288<br>40 | $180_{-0.5}$<br>55 | 165<br>200 | 200<br>45 | 263<br>4 | 105<br>55 | Φ50H7<br>Φ50h6 | 27<br>31.3 | Φ70<br>Φ127 | 212.5<br>22.5 | 36<br>30 | 41<br>35 | 146<br>136 | Φ200 | | | |
| GKHB87 | $132_{-0.5}$<br>257 | Φ22<br>180 | 340<br>55 | $212_{-0.5}$<br>75 | 180<br>233 | 230<br>70 | 305<br>4 | 120<br>67 | Φ65H7<br>Φ65h6 | 32<br>25.9 | Φ85<br>Φ159 | 260<br>30 | 41<br>40 | 46<br>45 | 170<br>161 | Φ250 | | | |
| GKHB97 | $160_{-0.5}$<br>277 | Φ26<br>240 | 417<br>75 | $265_{-1}$<br>60 | 240<br>295 | 290<br>75 | 372<br>4 | 150<br>82 | Φ75H7<br>Φ75h6 | 36<br>32.3 | Φ95<br>Φ174 | 294<br>30 | 55<br>50 | 60<br>55 | 206<br>195 | Φ300 | | | |
| GKHB107 | $200_{-0.5}$<br>341 | Φ33<br>280 | 503<br>95 | $315_{-1}$<br>100 | 270<br>360 | 340<br>95 | 448<br>3 | 175<br>90 | Φ95H7<br>Φ95h6 | 40<br>52 | Φ118<br>Φ234 | 380<br>40 | 65<br>60 | 75<br>70 | 245<br>230 | Φ350 | | | |

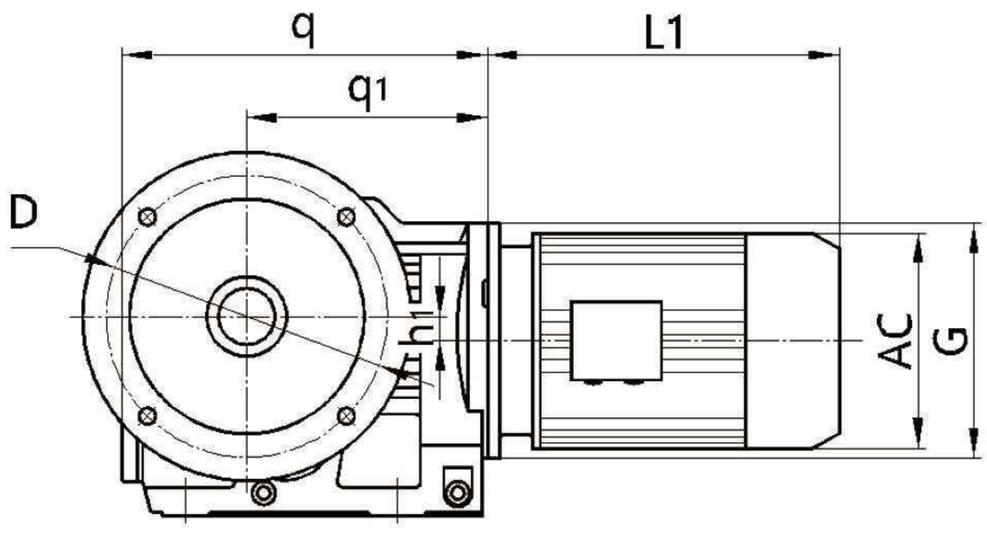
注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

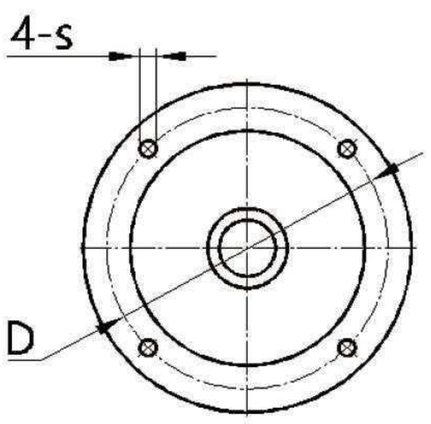
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

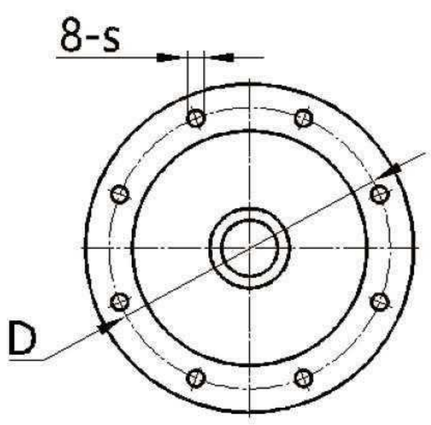
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GKHF37-157
## 安装结构尺寸



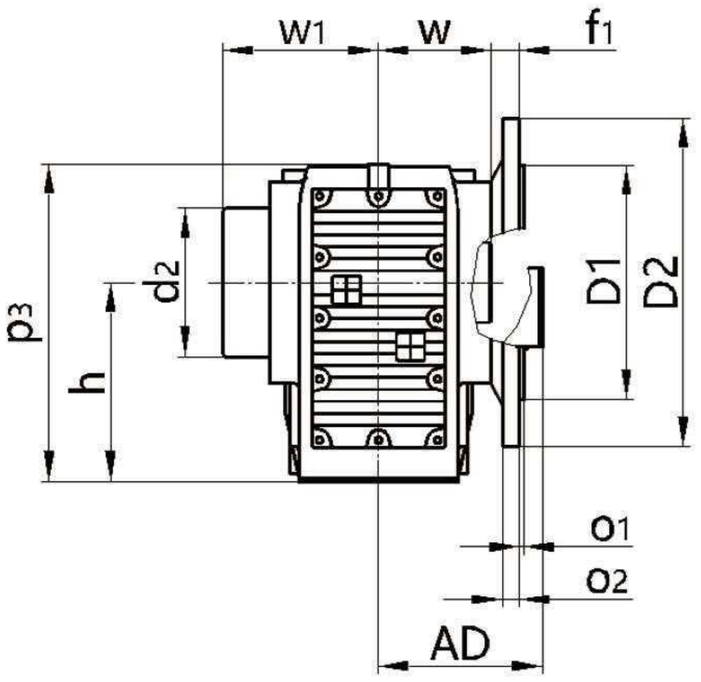



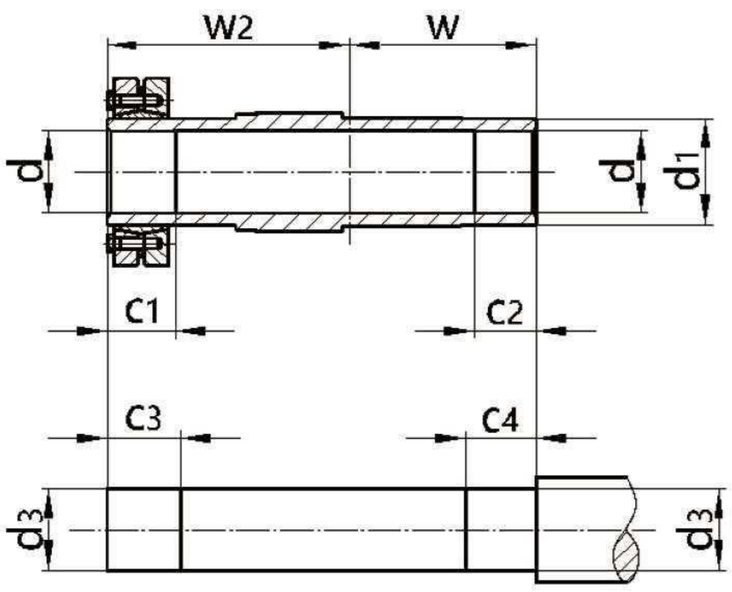

GKHF37-87




GKHF97-157

## GKHF37-157
## Mounting Dimensional Description




| 机 型 号<br>Type Size | q<br>$q_1$ | h<br>$h_1$ | $o_1$<br>$o_2$ | s<br>$f_1$ | $w_1$<br>w | $w_2$<br>$c_1$ | $c_2$<br>$c_3$ | $c_4$<br>D | D1<br>D2 | $d_1$<br>$d_3$ | d<br>$d_2$ | $p_3$<br>G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | AC | AD | L1 |
| GKHF37 | 210<br>139 | $100_{-0.5}$<br>8.5 | 3.5<br>10 | Φ9<br>24 | 95<br>60 | 86<br>31 | 20<br>36 | 25<br>Φ130 | Φ110j6<br>Φ160 | Φ45<br>Φ30h6 | Φ30H7<br>Φ80 | 164<br>Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix<br>A-2 and A-3 | | |
| GKHF47 | 243<br>166 | $112_{-0.5}$<br>7.2 | 3.5<br>12 | Φ11<br>25 | 110<br>75 | 102<br>32 | 20<br>37 | 25<br>Φ165 | Φ130j6<br>Φ200 | Φ50<br>Φ35h6 | Φ35H7<br>Φ88 | 185<br>Φ160 | | | |
| GKHF57 | 270<br>173 | $132_{-0.5}$<br>13.1 | 4<br>15 | Φ13.5<br>23.5 | 120<br>83 | 112<br>26 | 20<br>31 | 25<br>Φ215 | Φ180j6<br>Φ250 | Φ55<br>Φ40h6 | Φ40H7<br>Φ102 | 215<br>Φ160 | | | |
| GKHF67 | 275<br>179 | $140_{-0.5}$<br>20 | 4<br>15 | Φ13.5<br>23 | 126<br>90 | 118<br>38 | 20<br>43 | 25<br>Φ215 | Φ180j6<br>Φ250 | Φ55<br>Φ40h6 | Φ40H7<br>Φ102 | 226<br>Φ160 | | | |
| GKHF77 | 313<br>202 | $180_{-0.5}$<br>31.3 | 4<br>16 | Φ13.5<br>37 | 146<br>105 | 136<br>36 | 30<br>41 | 35<br>Φ265 | Φ230j6<br>Φ300 | Φ70<br>Φ50h6 | Φ50H7<br>Φ127 | 288<br>Φ200 | | | |
| GKHF87 | 391<br>257 | $212_{-0.5}$<br>25.9 | 5<br>18 | Φ17.5<br>30 | 170<br>120 | 161<br>41 | 40<br>46 | 45<br>Φ300 | Φ250h6<br>Φ350 | Φ85<br>Φ65h6 | Φ65H7<br>Φ159 | 338<br>Φ250 | | | |
| GKHF97 | 435<br>277 | $265_{-1}$<br>32.3 | 5<br>22 | Φ17.5<br>41.5 | 206<br>150 | 195<br>55 | 50<br>60 | 55<br>Φ400 | Φ350h6<br>Φ450 | Φ95<br>Φ75h6 | Φ75H7<br>Φ174 | 417<br>Φ300 | | | |
| GKHF107 | 537<br>341 | $315_{-1}$<br>52 | 5<br>22 | Φ17.5<br>41 | 245<br>175 | 230<br>65 | 60<br>75 | 70<br>Φ400 | Φ350h6<br>Φ450 | Φ118<br>Φ95h6 | Φ95H7<br>Φ234 | 500<br>Φ350 | | | |
| GKHF127 | 615<br>390 | $375_{-1}$<br>53 | 5<br>25 | Φ17.5<br>51 | 296<br>205 | 280<br>85 | 70<br>95 | 80<br>Φ500 | Φ450h6<br>Φ550 | Φ135<br>Φ105h6 | Φ105H7<br>Φ250 | 592<br>Φ450 | | | |
| GKHF157 | 706<br>426 | $450_{-1}$<br>71.7 | 6<br>28 | Φ22<br>60 | 350<br>250 | 330<br>90 | 80<br>100 | 90<br>Φ600 | Φ550h6<br>Φ660 | Φ155<br>Φ125h6 | Φ125H7<br>Φ287 | 705<br>Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

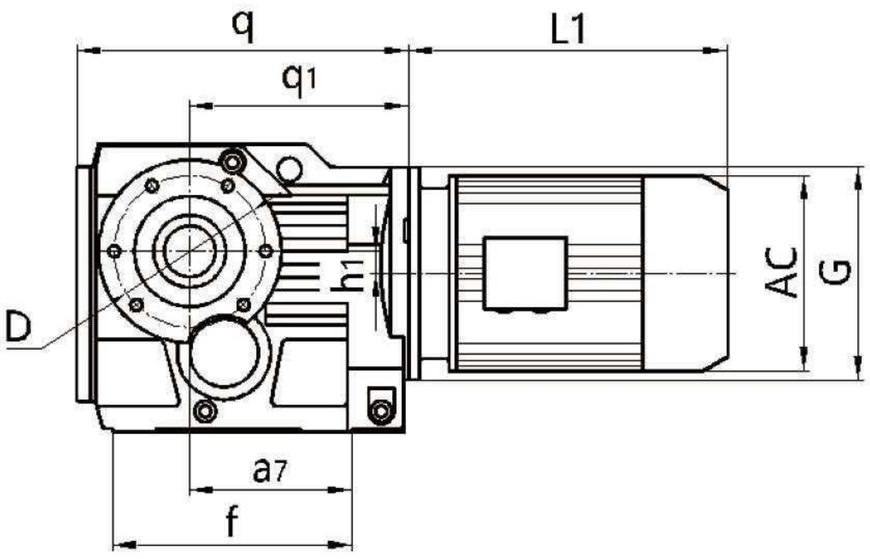
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

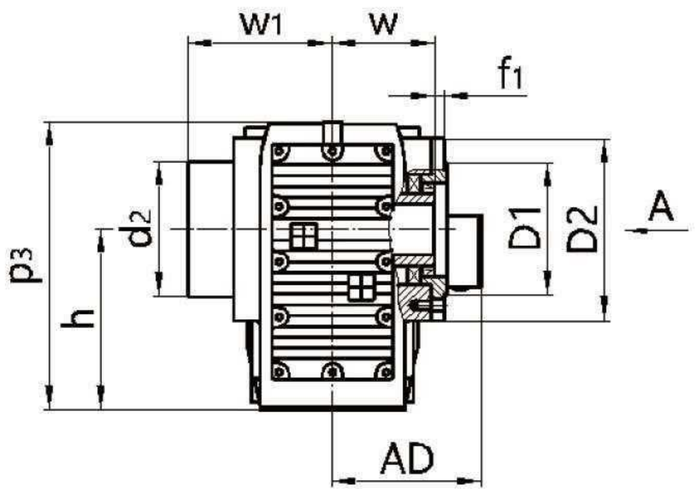
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

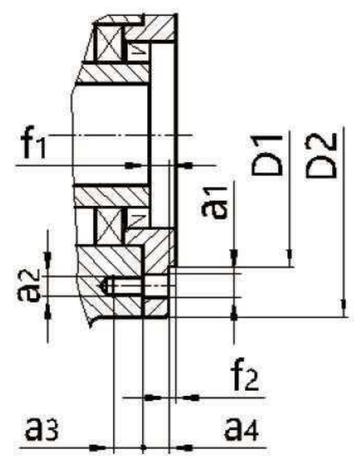
K

## GKHZ37-157
## 安装结构尺寸

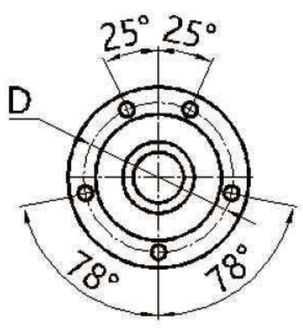
## GKHZ37-157
## Mounting Dimensional Description



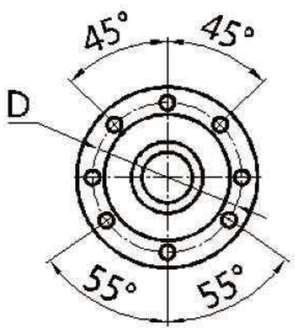



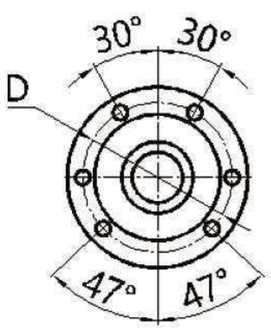

A向法兰安装结构尺寸（Fig.A Mounting Dimension）



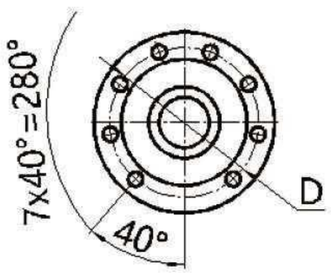

GKHZ39



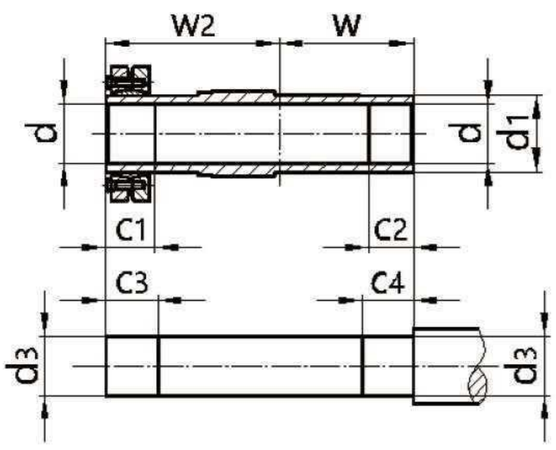

GKHZ49

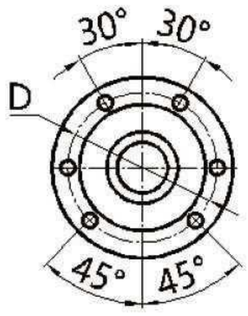



GKHZ59-69

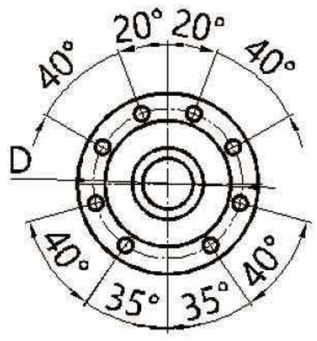



GKHZ79

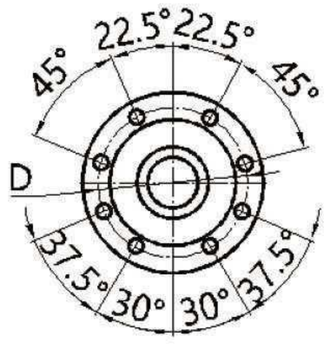


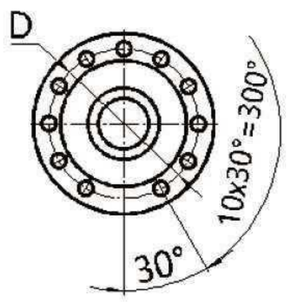

GKHZ87



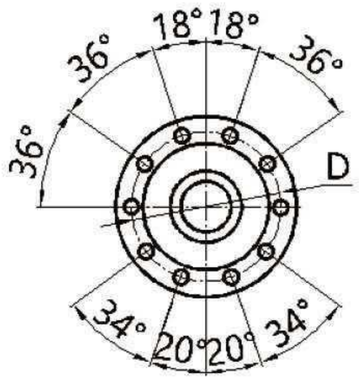

GKHZ97




GKHZ107




GKHZ127




GKHZ157

| 机 型 号<br>Type Size | q<br>$q_1$ | D1<br>D2 | h<br>$h_1$ | $p_3$<br>$a_7$ | f<br>$f_1$ | w<br>$w_1$ | G<br>$w_2$ | $d_2$<br>$d_1$ | d<br>$d_3$ | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | $a_3$<br>$a_4$ | $f_2$<br>$a_2$ | $a_1$<br>D | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | AC | AD | L1 |
| GKHZ37 | 210<br>139 | Φ80j6<br>Φ110 | $100_{-0.5}$<br>8.5 | 164<br>97 | 147<br>9 | 60<br>95 | Φ120<br>86 | Φ80<br>Φ45 | Φ30H7<br>Φ30h6 | 31<br>20 | 36<br>25 | 12<br>11.5 | 3<br>M8 | Φ9<br>Φ94 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GKHZ47 | 243<br>166 | Φ80j6<br>Φ120 | $112_{-0.5}$<br>7.2 | 185<br>115 | 170<br>8 | 75<br>110 | Φ160<br>102 | Φ88<br>Φ50 | Φ35H7<br>Φ35h6 | 32<br>20 | 37<br>25 | 12<br>11 | 3<br>M8 | Φ9<br>Φ102 | | | |
| GKHZ57 | 270<br>173 | Φ105j6<br>Φ155 | $132_{-0.5}$<br>13.1 | 215<br>120 | 182<br>9 | 83<br>120 | Φ160<br>112 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 26<br>20 | 31<br>25 | 20<br>12 | 3.5<br>M12 | Φ13.5<br>Φ125 | | | |
| GKHZ67 | 275<br>179 | Φ105j6<br>Φ155 | $140_{-0.5}$<br>20 | 226<br>125 | 182<br>8.5 | 90<br>126 | Φ160<br>118 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 38<br>20 | 43<br>25 | 20<br>12 | 3.5<br>M12 | Φ13.5<br>Φ125 | | | |
| GKHZ77 | 313<br>202 | Φ125j6<br>Φ170 | $180_{-0.5}$<br>31.3 | 286<br>139 | 204<br>10 | 105<br>146 | Φ200<br>136 | Φ127<br>Φ70 | Φ50H7<br>Φ50h6 | 36<br>30 | 41<br>35 | 23<br>14 | 3.5<br>M12 | Φ13.5<br>Φ142 | | | |
| GKHZ87 | 391<br>257 | Φ155j6<br>Φ215 | $212_{-0.5}$<br>25.9 | 338<br>190 | 280<br>11 | 120<br>170 | Φ250<br>161 | Φ159<br>Φ85 | Φ65H7<br>Φ65h6 | 41<br>40 | 46<br>45 | 30<br>15 | 4<br>M16 | Φ17.5<br>Φ178 | | | |
| GKHZ97 | 435<br>277 | Φ180j6<br>Φ260 | $265_{-1}$<br>32.3 | 417<br>190 | 298<br>14 | 150<br>206 | Φ300<br>195 | Φ174<br>Φ95 | Φ75H7<br>Φ75h6 | 55<br>50 | 60<br>55 | 28<br>18 | 4<br>M16 | Φ17.5<br>Φ220 | | | |
| GKHZ107 | 537<br>341 | Φ210j6<br>Φ304 | $315_{-1}$<br>52 | 500<br>230 | 370<br>-8 | 175<br>245 | Φ350<br>230 | Φ234<br>Φ118 | Φ95H7<br>Φ95h6 | 65<br>60 | 75<br>70 | 32<br>22 | 4<br>M20 | Φ22<br>Φ260 | | | |
| GKHZ127 | 615<br>390 | Φ250h6<br>Φ350 | $375_{-1}$<br>53 | 592<br>275 | 440<br>0 | 205<br>296 | Φ450<br>280 | Φ250<br>Φ135 | Φ105H7<br>Φ105h6 | 85<br>70 | 95<br>80 | 36<br>30 | 5<br>M20 | Φ22<br>Φ300 | | | |
| GKHZ157 | 706<br>426 | Φ290h6<br>Φ400 | $450_{-1}$<br>71.7 | 705<br>290 | 480<br>-14 | 250<br>350 | Φ550<br>330 | Φ287<br>Φ155 | Φ125H7<br>Φ125h6 | 90<br>80 | 100<br>90 | 42<br>28 | 5<br>M24 | Φ26<br>Φ340 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

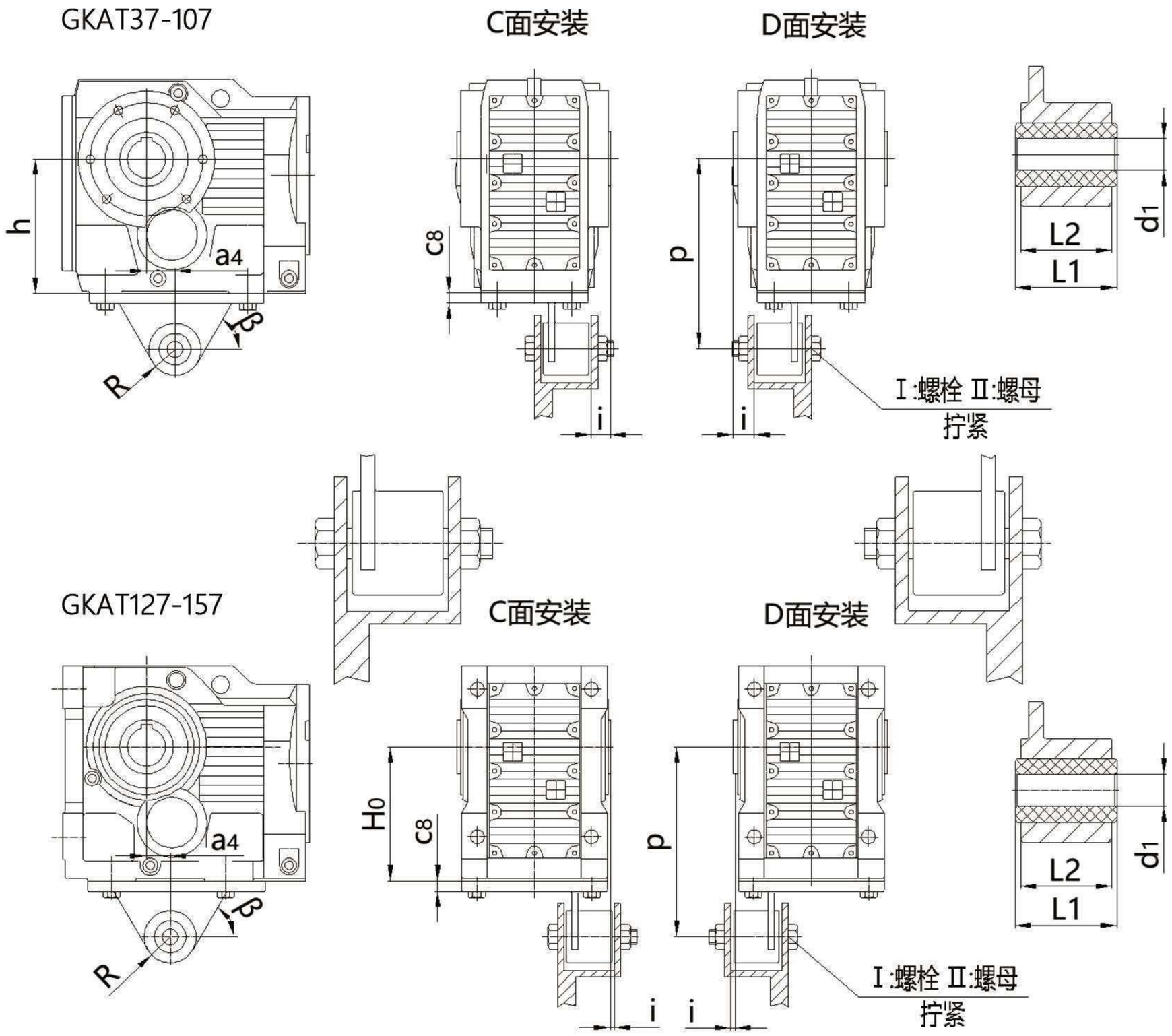
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GKAT37-157
## 安装结构尺寸

## GKAT37-157
## Mounting Dimensional Description




| 机型号 Type Size | $a_4$ | β | $c_8$ | i | P | R | h | $d_1$ | $L1_{-0.3}^{0}$ | L2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **GKAT37** | 23.5 | 60° | 10 | 20 | $140^{+0.2}_{-0.7}$ | 22.5 | $100_{-0.5}$ | $10.4^{+0.1}_{-0.1}$ | 36 | 31 |
| **GKAT47** | 30 | 55° | 12 | 20 | $160^{+0.2}_{-0.7}$ | 22.5 | $112_{-0.5}$ | $10.4^{+0.1}_{-0.1}$ | 36 | 31 |
| **GKAT57** | 40 | 55° | 13 | 18 | $192^{+0.2}_{-0.7}$ | 29 | $132_{-0.5}$ | $16.4^{+0.08}_{-0.08}$ | 60 | 54 |
| **GKAT67** | 45 | 55° | 13 | 25 | $200^{+0.2}_{-0.7}$ | 29 | $140_{-0.5}$ | $16.4^{+0.08}_{-0.08}$ | 60 | 54 |
| **GKAT77** | 52.5 | 64° | 14 | 25 | $250^{+0.2}_{-0.7}$ | 29 | $180_{-0.5}$ | $16.4^{+0.08}_{-0.08}$ | 60 | 54 |
| **GKAT87** | 60 | 60° | 16 | 30 | $300^{+0.2}_{-0.7}$ | 41 | $212_{-0.5}$ | $25^{+0.08}_{-0.08}$ | 80 | 72 |
| **GKAT97** | 70 | 50° | 17 | 40 | $350^{+0.2}_{-1.2}$ | 41 | $265_{-1}$ | $25^{+0.08}_{-0.08}$ | 100 | 92 |
| **GKAT107** | 74 | 55° | 20 | 45 | $450^{+0.5}_{-1.5}$ | 41 | $315_{-1}$ | $25^{+0.08}_{-0.08}$ | 100 | 92 |
| **GKAT127** | 60 | 65° | 45 | 7 | $550^{+0.5}_{-1.5}$ | 70 | $375_{-1}$ | $40^{+0.08}_{-0.08}$ | 126 | 110 |
| **GKAT157** | 50 | 70° | 45 | 2 | $700^{+0.5}_{-1.5}$ | 70 | $450_{-1}$ | $40^{+0.08}_{-0.08}$ | 126 | 110 |

其它尺寸请按照 GKA 型。

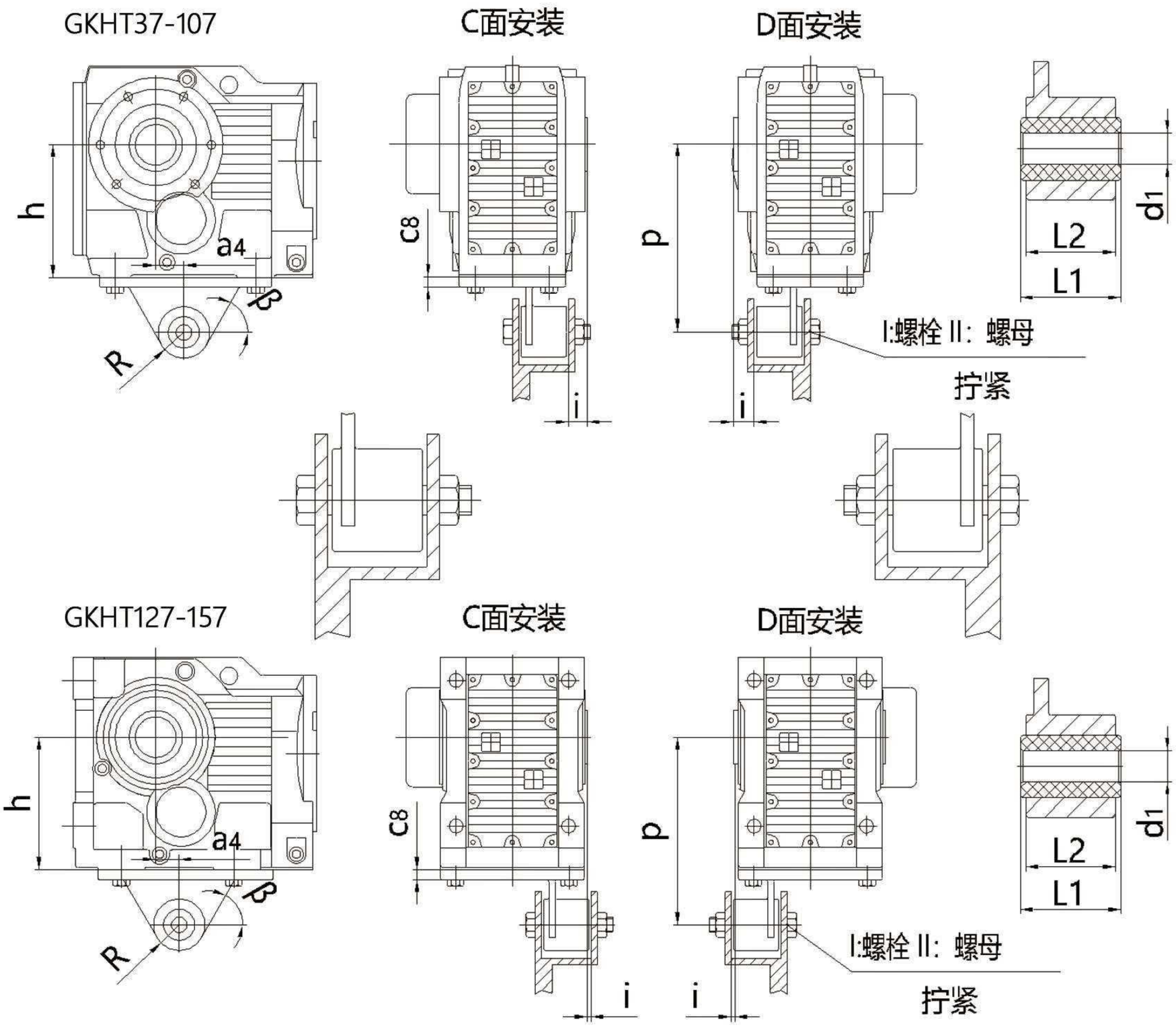
注： Ⅰ：螺栓 Ⅱ：螺母，均用户自配。

For other dimensions，see the type GKA.

Note：bolts Ⅰ and nuts Ⅱ are prepared by customers.

## GKHT37-157
## 安装结构尺寸

## GKHT37-157
## Mounting Dimensional Description




| 机型号<br>Type Size | $a_4$ | β | $c_8$ | i | P | R | h | $d_1$ | $L1_{-0.3}^{0}$ | L2 |
|---|---|---|---|---|---|---|---|---|---|---|
| **GKHT37** | 23.5 | 60° | 10 | 20 | $140^{+0.2}_{-0.7}$ | 22.5 | $100_{-0.5}$ | $10.4^{+0.1}_{-0.1}$ | 36 | 31 |
| **GKHT47** | 30 | 55° | 12 | 20 | $160^{+0.2}_{-0.7}$ | 22.5 | $112_{-0.5}$ | $10.4^{+0.1}_{-0.1}$ | 36 | 31 |
| **GKHT57** | 40 | 55° | 13 | 18 | $192^{+0.2}_{-0.7}$ | 29 | $132_{-0.5}$ | $16.4^{+0.08}_{-0.08}$ | 60 | 54 |
| **GKHT67** | 45 | 55° | 13 | 25 | $200^{+0.2}_{-0.7}$ | 29 | $140_{-0.5}$ | $16.4^{+0.08}_{-0.08}$ | 60 | 54 |
| **GKHT77** | 52.5 | 64° | 14 | 25 | $250^{+0.2}_{-0.7}$ | 29 | $180_{-0.5}$ | $16.4^{+0.08}_{-0.08}$ | 60 | 54 |
| **GKHT87** | 60 | 60° | 16 | 30 | $300^{+0.2}_{-0.7}$ | 41 | $212_{-0.5}$ | $25^{+0.08}_{-0.08}$ | 80 | 72 |
| **GKHT97** | 70 | 50° | 17 | 40 | $350^{+0.2}_{-1.2}$ | 41 | $265_{-1}$ | $25^{+0.08}_{-0.08}$ | 100 | 92 |
| **GKHT107** | 74 | 55° | 20 | 45 | $450^{+0.5}_{-1.5}$ | 41 | $315_{-1}$ | $25^{+0.08}_{-0.08}$ | 100 | 92 |
| **GKHT127** | 60 | 65° | 45 | 7 | $550^{+0.5}_{-1.5}$ | 70 | $375_{-1}$ | $40^{+0.08}_{-0.08}$ | 126 | 110 |
| **GKHT157** | 50 | 70° | 45 | 2 | $700^{+0.5}_{-1.5}$ | 70 | $450_{-1}$ | $40^{+0.08}_{-0.08}$ | 126 | 110 |

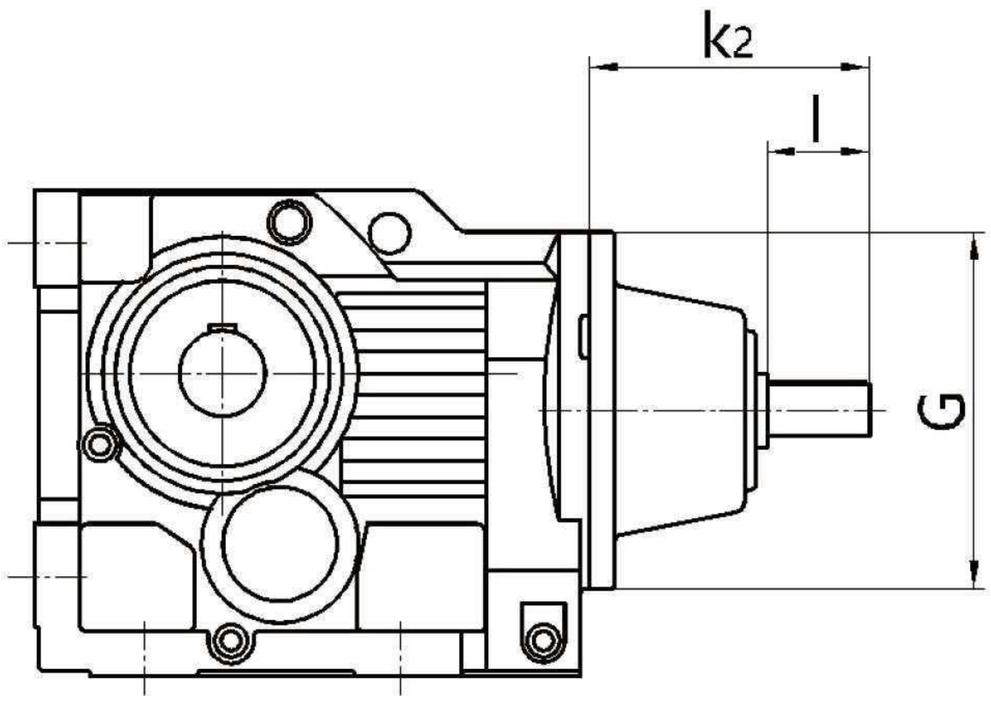
其它尺寸请按照 GKH 型。

注：Ⅰ：螺栓 Ⅱ：螺母，均用户自配。

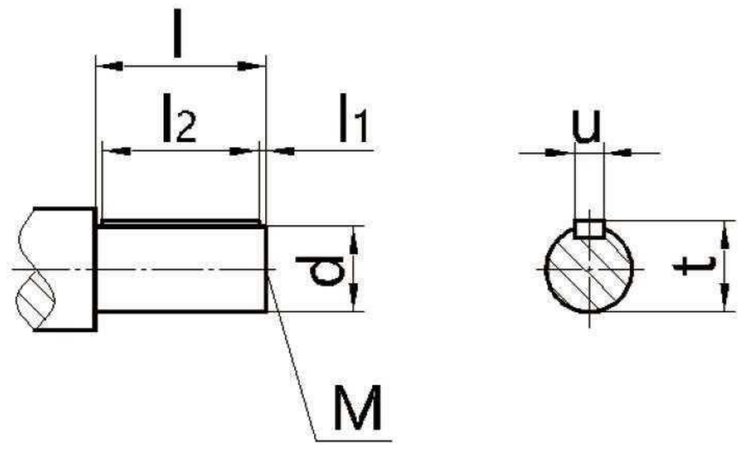
For other dimensions，see the type GKH.

Note：bolts Ⅰ and nuts Ⅱ are prepared by customers.

## GK..37-187AD1-8
## 安装结构尺寸




## GK..37-187AD1-8
## Mounting Dimensional Description




| 机 型 号<br>Type Size | 规 格<br>Specification | 适用功率范围(kW)/4P<br>Range Power | d | G | $k_2$ | l | M | $l_1$ | $l_2$ | t | u |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GK..37 | AD1 | 0.12-0.18 | 16k6 | Φ120 | 130 | 40 | M5 | 4 | 32 | 18 | 5 |
| | AD2 | 0.25-3 | 19k6 | Φ120 | 130 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| GK..47 | AD2 | 0.12-1.5 | 19k6 | Φ160 | 149 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-3 | 24k6 | Φ160 | 159 | 50 | M8 | 5 | 40 | 27 | 8 |
| GK..57/67 | AD2 | 0.12-1.5 | 19k6 | Φ160 | 149 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-5.5 | 24k6 | Φ160 | 159 | 50 | M8 | 5 | 40 | 27 | 8 |
| GK..77 | AD2 | 0.12-1.5 | 19k6 | Φ200 | 184 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 24k6 | Φ200 | 194 | 50 | M8 | 5 | 40 | 27 | 8 |
| | AD4 | 5.5-11 | 38k6 | Φ200 | 224 | 80 | M12 | 5 | 70 | 41 | 10 |
| GK..87 | AD2 | 0.55-1.5 | 19k6 | Φ250 | 136 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 28k6 | Φ250 | 156 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ250 | 262 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ250 | 292 | 110 | M16 | 10 | 70 | 45 | 12 |
| GK..97 | AD3 | 1.1-4 | 28k6 | Φ300 | 194 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ300 | 214 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ300 | 327 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30 | 48k6 | Φ300 | 327 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| GK..107 | AD3 | 3-4 | 28k6 | Φ350 | 188 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ350 | 208 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ350 | 321 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ350 | 321 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| GK..127 | AD4 | 7.5 | 38k6 | Φ450 | 270 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ450 | 300 | 110 | M16 | 10 | 90 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ450 | 300 | 110 | M16 | 10 | 90 | 51.5 | 14 |
| | AD7 | 55 | 55m6 | Φ450 | 300 | 110 | M20 | 10 | 90 | 59 | 16 |
| | AD8 | 75-90 | 70m6 | Φ450 | 383 | 140 | M20 | 15 | 110 | 74.5 | 20 |
| GK..157/167/187 | AD5 | 11-22 | 42k6 | Φ550 | 344/344/336 | 110 | M16 | 10 | 90 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ550 | 344/344/336 | 110 | M16 | 10 | 90 | 51.5 | 14 |
| | AD7 | 55-90 | 55m6 | Φ550 | 344/344/336 | 110 | M20 | 10 | 90 | 59 | 16 |
| | AD8 | 110-200 | 70m6 | Φ550 | 374/374/366 | 140 | M20 | 15 | 110 | 74.5 | 20 |

其它尺寸请参照 GK 型。

注： 1.GKF/GKA/GKAB/GKAF/GKAZ/GKH/GKHF/GKHZ 均可采用双轴型，并分别记为 GKF..AD..、GKA..AD..、GKAB..AD..、GKAF..AD..、GKAZ..AD..、GKH..AD..、GKHF..AD..和 GKHZ..AD..。

2.通过联轴器联接，可直接参考上表功率范围；若电机和减速机之间是通过其他极数电机、齿轮、链轮、皮带轮等传动方式联接，需客户自行转换。

For other dimensions，see the type GK.

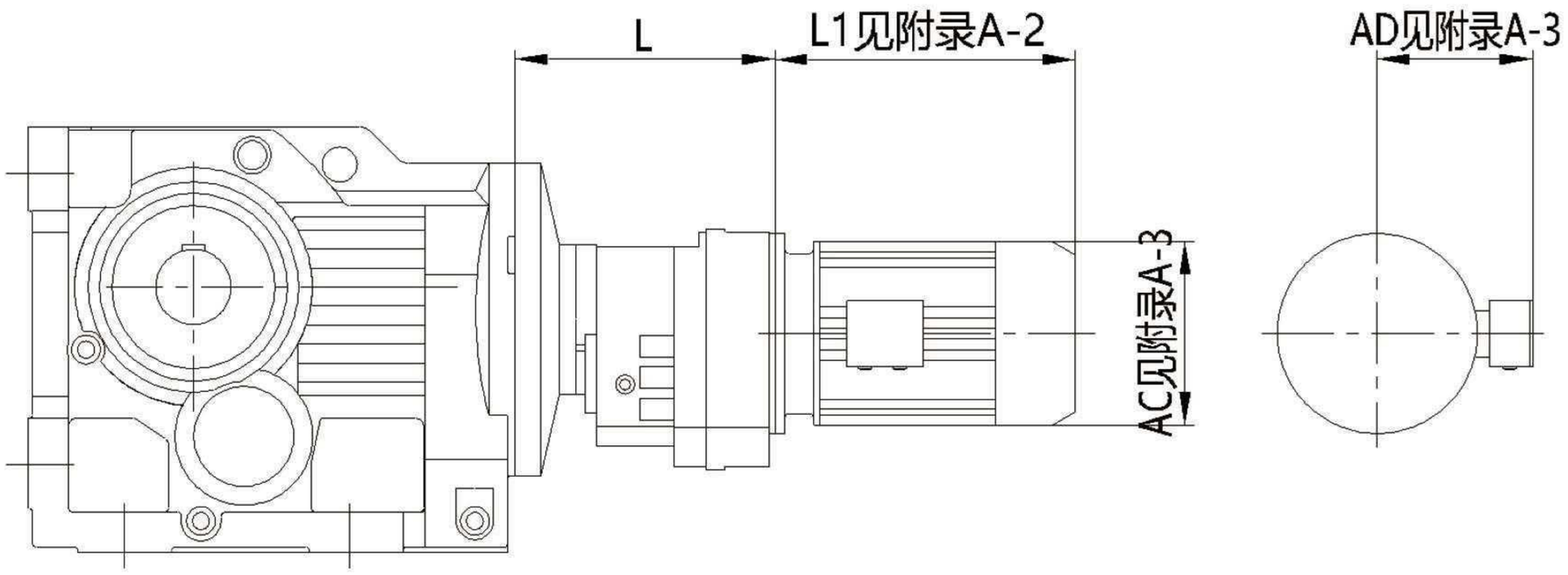
Note: 1.Double shafts type is also available for type GKF/GKA/GKAB/GKAF/GKAZ/GKH/GKHF/GKHZ, and these double shafts types are respectively named type GKF..AD..、GKA..AD..、GKAB..AD..、GKAF..AD..、GKAZ..AD..、GKH..AD..、GKHF..AD.. and GKHZ..AD..。

2.Applicable power refers to the input torque of 4 pole motor. If the connect way is coupling, can see the power range on the table directly, if the connect way is other pole motor, sprocket, belt pulley, need customers to convert by themselves.

K

## GK..R..
## 安装结构尺寸

## GK..R..
## Mounting Dimensional Description




| 机 型 号<br>Type Size | 机 座 号<br>Frame Size | L |
|---|---|---|
| GK..37R17 | 63 | 135 |
| | 71 | |
| | 80 | |
| GK..47R37<br>GK..67R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| GK..57R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| | 90 | |
| GK..77R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| | 90 | |
| GK..87R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| GK..97R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| GK..107R77 | 63 | 251 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |

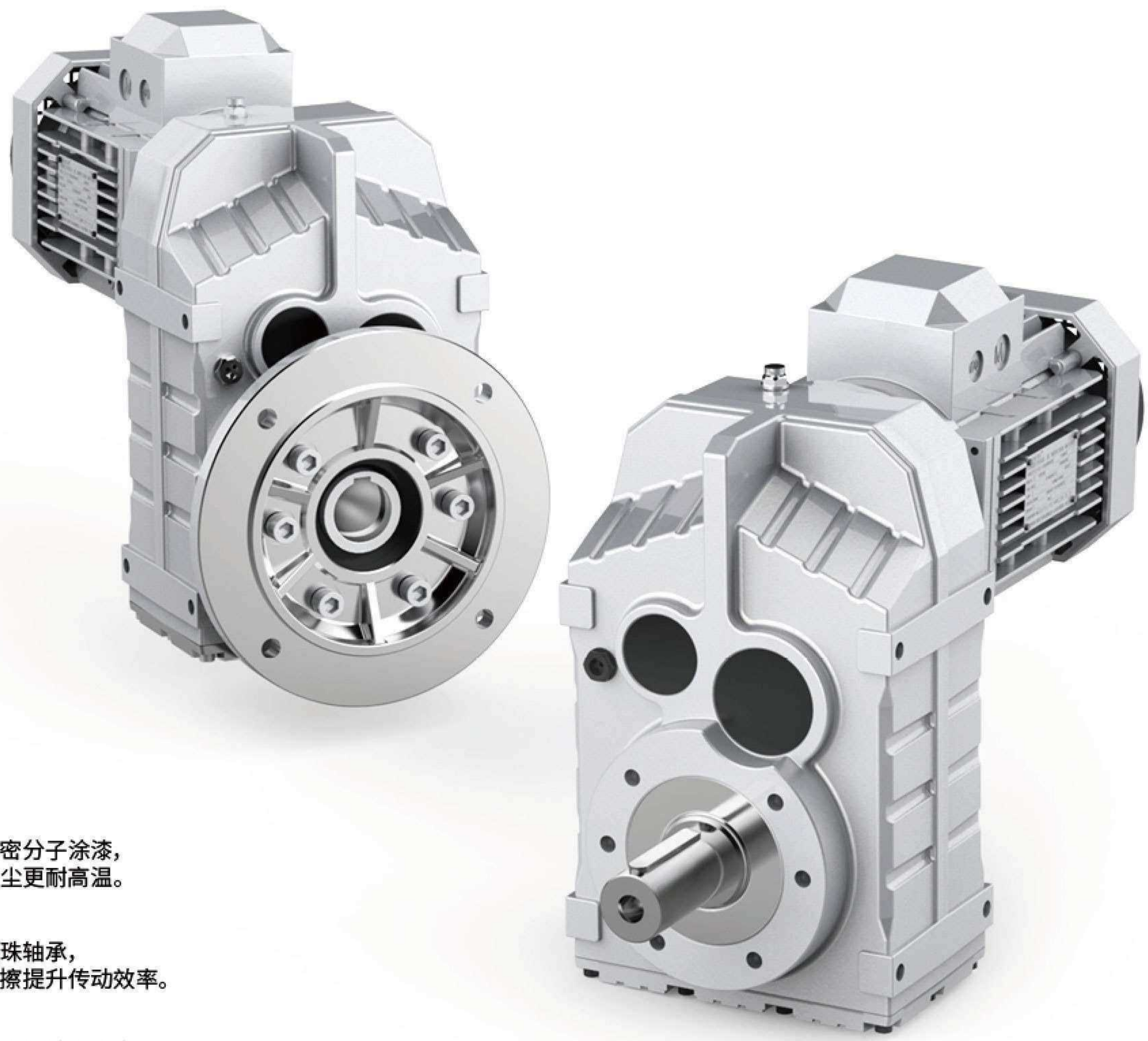
| 机 型 号<br>Type Size | 机 座 号<br>Frame Size | L |
|---|---|---|
| GK..127R77 | 63 | 241 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| GK..127R87 | 90 | 280 |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| GK..157R97<br>GK..167R97<br>GK..187R97 | 80 | 332 |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| | 200 | |
| GK..157R107<br>GK..167R107<br>GK..187R107 | 100 | 382 |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| | 200 | |
| | 225 | |

注：GKA/GKAF/GKF/GKAZ/GKH/GKHF/GKHZ 均可采用串联组合机型。

Note:Combined type is also available for type GKA/GKAF/GKF/GKAZ/GKH/GKHF/GKHZ.

# GF
# SERIES



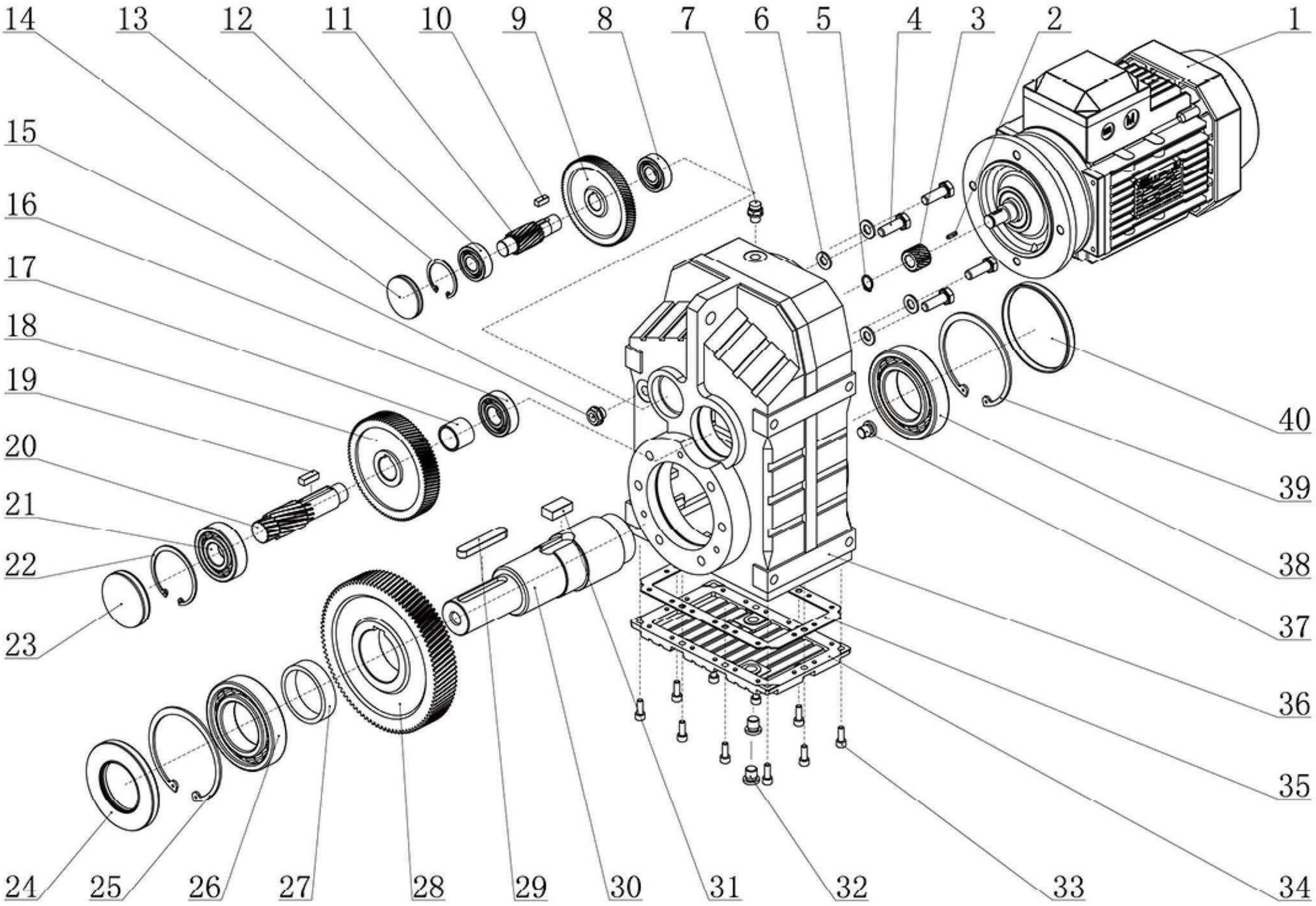


★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。

F




# F系列爆炸图

| | | | |
|---|---|---|---|
| 1.电机 | 11.齿轴 | 21.轴承 | 31.平键 |
| 2.平键 | 12.轴承 | 22.孔用挡圈 | 32.螺塞 |
| 3.齿轮 | 13.孔用挡圈 | 23.平面油封 | 33.螺钉 |
| 4.螺栓 | 14.平面油封 | 24.骨架油封 | 34.箱盖 |
| 5.轴用挡圈 | 15.油镜 | 25.孔用挡圈 | 35.密封垫 |
| 6.平垫圈 | 16.轴承 | 26.轴承 | 36.箱体 |
| 7.通气帽 | 17.轴套 | 27.轴套 | 37.螺塞 |
| 8.轴承 | 18.齿轮 | 28.齿轮 | 38.轴承 |
| 9.齿轮 | 19.平键 | 29.平键 | 39.孔用挡圈 |
| 10.平键 | 20.齿轴 | 30.输出轴 | 40.平面油封 |

# GF系列 平行轴-斜齿轮减速电机

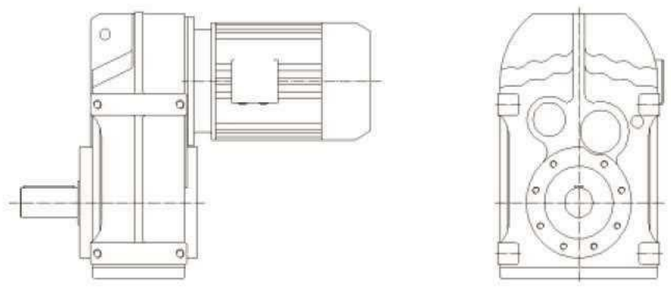
## 结构形式说明 Dimensional Description

GF 系列各轴之间的几何位置都互为平行关系，因而亦称为平行轴系列。由两级或三级斜齿轮构成。

Shafts of GF series geared motors are all parallel to each other. Units of GF series all consist of two or three stages helical gears.

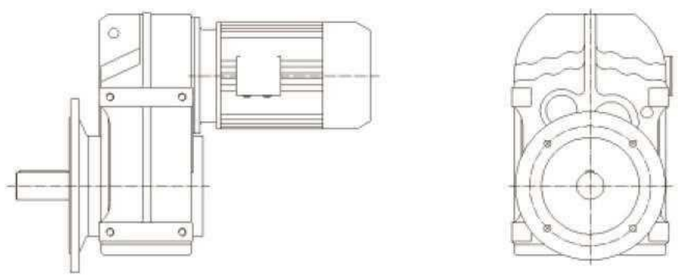
**1.GF 型：**底脚安装，输出轴为实心轴。

**Type GF:** Foot mounted. Solid output shaft.



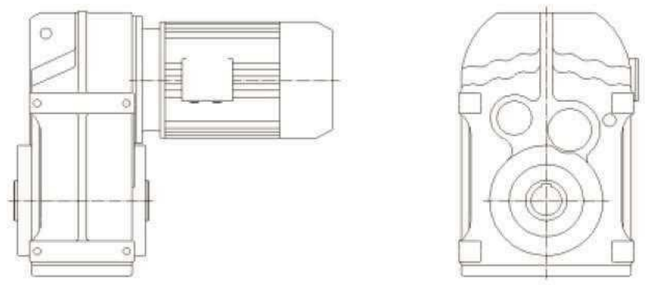
**2.GFF 型：**B5 法兰安装，输出轴为实心轴。

**Type GFF:** B5 flange mounted. Solid output shaft.



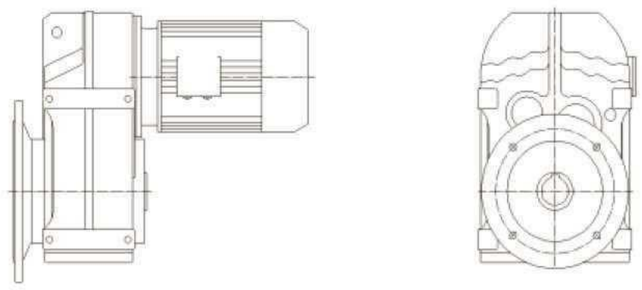
**3.GFA 型：**轴装式，输出轴为空心轴。

**Type GFA：** Shaft mounted. Hollow output shaft.



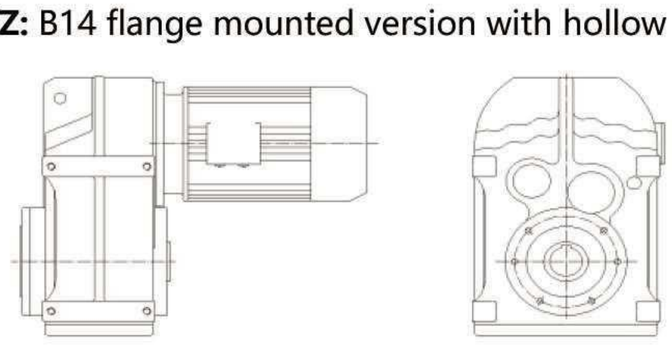
**4. GFAF 型：**B5 法兰安装，输出轴为空心轴。

**Type GFAF:** B5 flange mounted. Hollow output shaft.



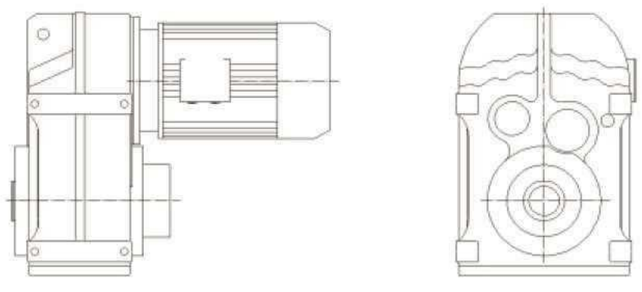
**5. GFAZ 型：**B14 法兰空心轴安装。

**Type GFAZ:** B14 flange mounted version with hollow shaft.



**6.GFH 型**：空心轴锁紧盘安装。

**Type GFH:** Hollow shaft and shrink disk mounted.

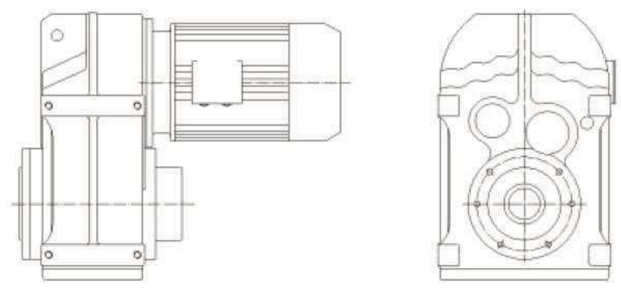


**7.GFHF 型：**B5 法兰空心轴锁紧盘安装。

**Type GFHF:** B5 flange mounted version with hollow shaft and shrink disk.

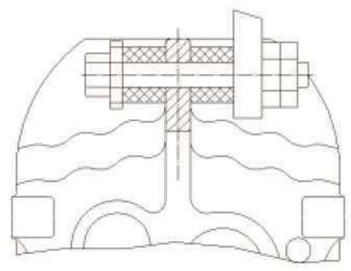
**8.GFHZ 型：**B14 法兰空心轴锁紧盘安装。

**Type GFHZ:** B14 flange mounted version with hollow shaft and shrink disk.



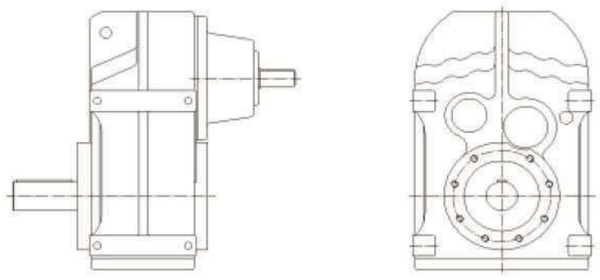
**9.GFAT 型/GFHT 型：**即在 GFA/GFH 型上增加防转臂附件后的派生型。

**Type GFAT/GFHT:** As altered type from type GFA/GFH, this type is added torque arm and other accessories.



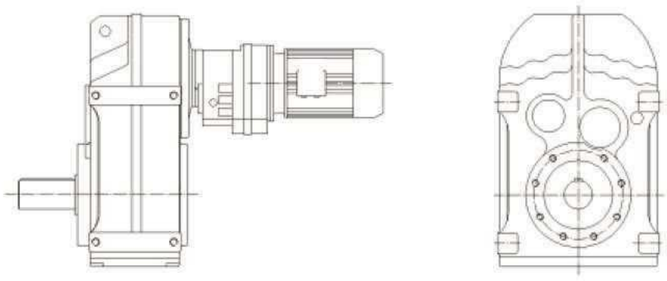
**10.GF..AD 型**：轴输入型。

**Type GF..AD:** Input shaft types .



**11.GF..R 型：**GF 系列和 GR 系列的组合。

**Type GF..R:** Combined types of type GF and type GR.



F

# GF 系列机型号表示方法 Type Expression of GF Series

G FF 69 - Y1.1 - 4P - 79.76 - M3 - 180° - 3 - IEC(ZPIEC)

- IEC(ZPIEC)：法兰联接式(用户自配电机) Flange connection (without motor)
- 3：入线口位置 Position of cable entry
- 180°：电机接线盒方向（角度）（参见电机接线盒位置表示方法） Terminal box position (angle) (see description of motor terminal box position)
- M3：安装形式（参见安装形式图例） Mounting arrangement (see mounting arrangement description)
- 79.76：传动比（参见选型参数表） Ratio (see selection table)
- 4P：电机极数（参见选型参数表） Pole number of motor (see selection table)
- Y1.1：电机系列代号和功率（参见选型参数表） Motor type and motor power （see selection table)
- FF 69：机型和规格号（参见选型参数表和安装结构尺寸图表） Type size （see selection table and mounting dimensional description)
- G：公司代号 G, symbol of company

注： 1、需带联接法兰时请注明 IEC。

2、输入轴型没有电机各项内容。

3、不注明减速机的安装形式时，则默认为安装形式中的 M1 位置。不注明接线盒方向时，则默认为安装形式中的 0 度位置。不注明入线口位置时，则默认为 X 位置。

4、对输出轴旋转方向和输入轴旋转方向有特别要求的用户，请与技术部联系，并在订货时用简图或文字说明。

Note: 1、Please make a note, if it needs connecting flange.

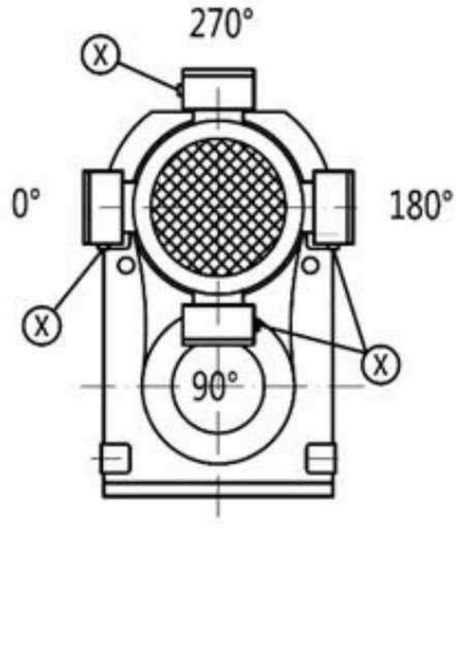
2、Contents of motors for input shaft types are not listed.

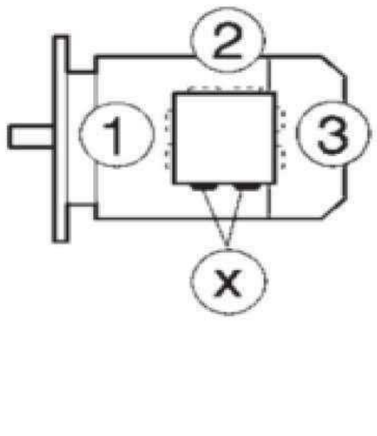
3、It is M1,When the mounting arrangement of the reducer is not mentioned.Degree=0°,if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.

4、If specific rotation directions of output shaft or/and input shaft are specially requested, please contact our technology department, and make detailed description while placing order.

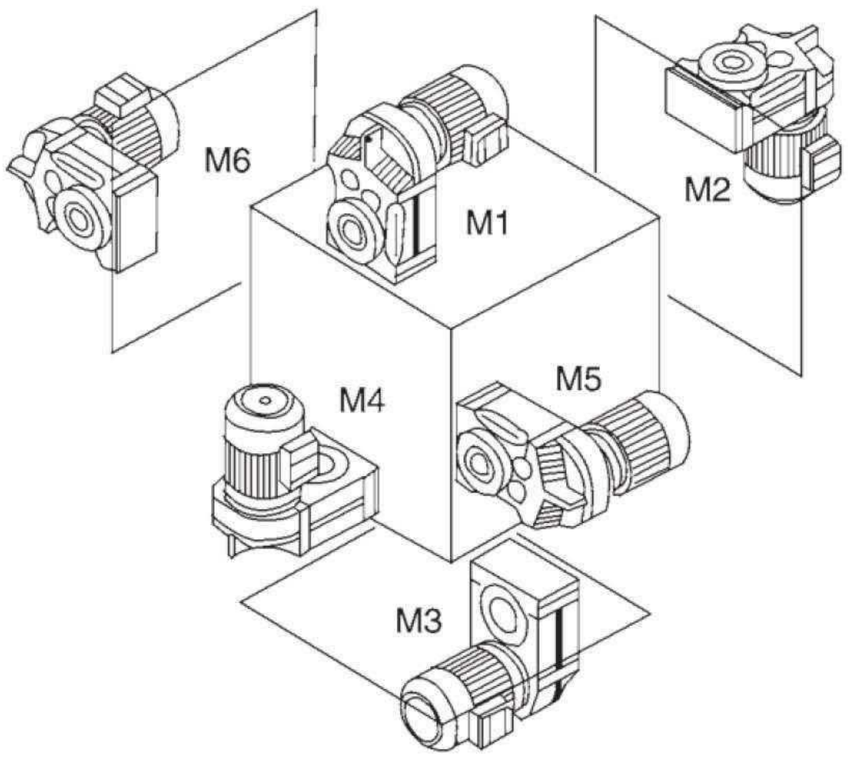
## 电机接线盒位置及入线口位置表示方法

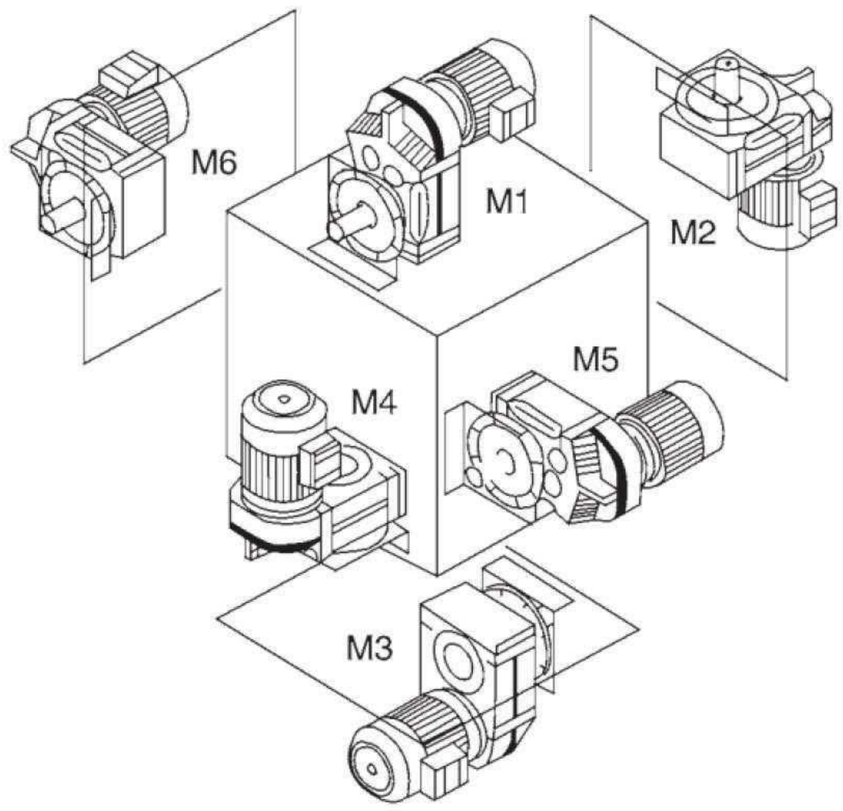
## Description of Motor Terminal Box Position and Cable Entry Position



## 安装形式图例 Mounting Arrangements Description




安装形式定义：

M1—电机水平放置；减速机底部朝下。

M2—电机居下。

M3—电机水平放置；减速机底部朝上。

M4—电机居上。

M5—电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到下方位置。

M6—电机水平放置；当减速机在 M1 安装位置时，从电机方向看，减速机的左面旋转到上方位置。

Mounting arrangements are defined as following:

M1—horizontally mounted motor,unit base is at bottom.

M2—motor is vertically mounted downwards.

M3—horizontally mounted motor,unit base is on top.

M4—motor is vertically mounted upwards.

M5—horizontally mounted motor,if placed on M1 position,left side of unit turns to bottom (view point: towards from motor side).

M6—horizontally mounted motor,if placed on M1 position,left side of unit turns to top (view point: towards from motor side).

## 减速机重量 Gear Unit Weight

| 机型号 Type size | GF37 | GF47 | GF57 | GF67 | GF77 | GF87 | GF97 | GF107 | GF127 | GF157 |
|---|---|---|---|---|---|---|---|---|---|---|
| 重量(kg) Weight | 15 | 20 | 31 | 35 | 67 | 117 | 195 | 305 | 520 | 950 |

注:重量为平均值，不包括电机、联接法兰，仅供参考。

(Note: The weights mean values without the motor and IEC flange, only for reference.)

## 选型参数表注释 Description of Selection Table

恒功率 Constant power

| $n_a$ [r/min] | Ma [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|

- $n_a$ [r/min] → 输出转速 Output speed
- Ma [N.m] → 输出转矩 Output torque
- i → 减速比 Ratio
- $F_{Ra}$ [kN] → 许用径向载荷 Permissible radial load
- $f_B$ → 使用系数 Service factor

恒转矩 Constant torque

| Mamax [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|

- Mamax [N.m] → 最大输出转矩 Max.output torque
- $n_a$ [r/min] → 输出转速 Output speed
- i → 减速比 Ratio
- $F_{Ra}$ [kN] → 许用径向载荷 Permissible radial load
- P [kW]/4P → 电机功率 Motor power

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 0.06 | 17605 | 22298 | 80 | 0.80 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 0.07 | 15021 | 19026 | 85 | 0.85 | | |
| 0.08 | 13135 | 16637 | 86 | 0.95 | | |
| 0.09 | 11610 | 14705 | 86 | 1.10 | | |
| 0.10 | 10194 | 12912 | 86 | 1.25 | | |
| 0.11 | 9192 | 11643 | 86 | 1.35 | | |
| 0.13 | 8037 | 10180 | 86 | 1.55 | | |
| 0.09 | 11660 | 14768 | 42 | 0.80 | | |
| 0.12 | 8959 | 11347 | 48 | 0.90 | | |
| 0.13 | 7926 | 10039 | 52 | 1.05 | | |
| 0.15 | 6749 | 8548 | 54 | 1.25 | **GFA107R77** | |
| 0.17 | 6060 | 7675 | 54 | 1.35 | **GFAF107R77** | **4P** |
| 0.19 | 5343 | 6768 | 55 | 1.55 | **GF107R77** | |
| 0.22 | 4701 | 5954 | 56 | 1.75 | **GFF107R77** | |
| 0.25 | 4124 | 5223 | 57 | 2.00 | | |
| 0.29 | 3606 | 4567 | 58 | 2.30 | | |
| 0.37 | 2780 | 3521 | 59 | 3.00 | | |
| 0.20 | 5107 | 6469 | 29 | 0.90 | **GFA97R57** | |
| 0.23 | 4433 | 5615 | 30 | 1.00 | **GFAF97R57** | **4P** |
| 0.26 | 3917 | 4961 | 31 | 1.15 | **GF97R57** | |
| 0.30 | 3421 | 4333 | 32 | 1.35 | **GFF97R57** | |
| 0.34 | 3084 | 3906 | 33 | 1.50 | **GFA97R57** | |
| 0.39 | 2646 | 3352 | 33 | 1.70 | **GFAF97R57** | **4P** |
| 0.45 | 2295 | 2907 | 34 | 2.00 | **GF97R57** | |
| 0.51 | 2016 | 2553 | 34 | 2.25 | **GFF97R57** | |
| 0.31 | 3351 | 4245 | 23 | 0.95 | **GFA87R57 GFAF87R57 GF87R57 GFF87R57** | **4P** |
| 0.35 | 2938 | 3721 | 25 | 1.10 | | |
| 0.40 | 2561 | 3244 | 25 | 1.25 | **GFA87R57 GFAF87R57 GF87R57 GFF87R57** | **4P** |
| 0.45 | 2275 | 2881 | 25 | 1.40 | | |
| 0.51 | 2033 | 2575 | 26 | 1.55 | | |
| 0.60 | 1736 | 2199 | 27 | 1.85 | | |
| 0.68 | 1524 | 1930 | 27 | 2.10 | | |
| 0.77 | 1349 | 1709 | 27 | 2.35 | | |
| 0.88 | 1179 | 1493 | 28 | 2.70 | | |
| 1.0 | 1026 | 1300 | 28 | 3.10 | | |
| 1.1 | 906 | 1148 | 28 | 3.50 | | |
| 0.50 | 2063 | 2613 | 13 | 0.85 | **GFA77R37 GFAF77R37 GF77R37 GFF77R37** | **4P** |
| 0.57 | 1803 | 2284 | 15 | 0.90 | | |
| 0.65 | 1603 | 2030 | 16 | 1.00 | | |
| 0.76 | 1364 | 1728 | 17 | 1.15 | **GFA77R37 GFAF77R37 GF77R37 GFF77R37** | **4P** |
| 0.85 | 1219 | 1544 | 17 | 1.30 | | |
| 0.97 | 1069 | 1354 | 18 | 1.50 | | |
| 1.1 | 947 | 1200 | 18 | 1.70 | | |
| 1.2 | 831 | 1053 | 18 | 1.90 | | |
| 1.4 | 718 | 910 | 19 | 2.20 | | |
| 1.6 | 640 | 810 | 19 | 2.50 | | |
| 1.8 | 561 | 710 | 19 | 2.85 | | |
| 0.92 | 1128 | 1429 | 8.8 | 0.80 | | |
| 1.0 | 1003 | 1271 | 10 | 0.85 | | |
| 1.2 | 870 | 1102 | 11 | 1.00 | | |
| 1.4 | 766 | 970 | 11 | 1.15 | **GFA67R37** | |
| 1.5 | 677 | 858 | 12 | 1.30 | **GFAF67R37** | **4P** |
| 1.7 | 596 | 755 | 12 | 1.45 | **GF67R37** | |
| 2.0 | 506 | 641 | 12 | 1.70 | **GFF67R37** | |
| 2.3 | 452 | 572 | 12 | 1.90 | | |
| 2.6 | 402 | 509 | 12 | 2.15 | | |
| 3.0 | 345 | 437 | 12 | 2.50 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 1.5 | 672 | 851 | 8.9 | 0.95 | | |
| 1.8 | 583 | 738 | 9.4 | 1.10 | **GFA57R37** | |
| 2.0 | 510 | 646 | 10 | 1.25 | **GFAF57R37** | **4P** |
| 2.3 | 441 | 558 | 10 | 1.45 | **GF57R37** | |
| 2.6 | 399 | 506 | 10 | 1.60 | **GFF57R37** | |
| 2.9 | 357 | 452 | 11 | 1.80 | | |
| 3.1 | 336 | 426 | 11 | 1.90 | **GFA57R37** | |
| 3.4 | 302 | 382 | 11 | 2.10 | **GFAF57R37** | **4P** |
| 4.0 | 261 | 330 | 11 | 2.45 | **GF57R37** | |
| 4.4 | 235 | 298 | 11 | 2.70 | **GFF57R37** | |
| 5.0 | 207 | 262 | 11 | 3.10 | | |
| 2.4 | 429 | 543 | 6.0 | 1.00 | **GFA47R17** | |
| 2.8 | 375 | 475 | 6.5 | 1.15 | **GFAF47R17** | **4P** |
| 3.1 | 331 | 419 | 6.9 | 1.30 | **GF47R17** | |
| | | | | | **GFF47R17** | |
| 2.5 | 414 | 524 | 6.1 | 1.00 | | |
| 2.7 | 386 | 489 | 6.4 | 1.10 | **GFA47R17** | |
| 3.1 | 337 | 427 | 6.8 | 1.25 | **GFAF47R17** | **4P** |
| 3.4 | 301 | 381 | 7.0 | 1.40 | **GF47R17** | |
| 3.9 | 264 | 334 | 7.2 | 1.60 | **GFF47R17** | |
| 4.5 | 232 | 294 | 7.4 | 1.80 | | |
| 5.2 | 200 | 253 | 7.5 | 2.10 | | |
| 4.1 | 254 | 322 | 3.9 | 0.80 | **GFA37R17** | |
| 4.7 | 219 | 278 | 4.3 | 0.95 | **GFAF37R17** | **4P** |
| 5.4 | 191 | 242 | 4.6 | 1.10 | **GF37R17** | |
| 5.9 | 174 | 221 | 4.6 | 1.20 | **GFF37R17** | |
| 4.0 | 257 | 326 | 3.7 | 0.80 | | |
| 4.6 | 225 | 285 | 4.2 | 0.95 | **GFA37R17** | |
| 5.2 | 197 | 250 | 4.4 | 1.05 | **GFAF37R17** | **4P** |
| 6.0 | 173 | 219 | 4.6 | 1.20 | **GF37R17** | |
| 7.0 | 147 | 186 | 4.8 | 1.45 | **GFF37R17** | |
| 7.8 | 132 | 167 | 4.9 | 1.60 | | |
| 3.7 | 293 | 228.99 | 12 | 2.80 | **GFA67** | |
| 4.4 | 250 | 195.39 | 12 | 3.30 | **GFAF67** | **6P*** |
| 5.0 | 219 | 170.85 | 12 | 3.80 | **GF67** | |
| 5.2 | 208 | 162.31 | 12 | 4.00 | **GFF67** | |
| 6.0 | 182 | 142.40 | 12 | 4.50 | | |
| 4.3 | 256 | 199.70 | 11 | 2.40 | **GFA57** | |
| 4.6 | 235 | 183.60 | 11 | 2.60 | **GFAF57** | **6P*** |
| 5.4 | 201 | 157.09 | 11 | 3.00 | **GF57** | |
| 6.2 | 174 | 136.16 | 11 | 3.50 | **GFF57** | |
| 6.7 | 163 | 127.27 | 11 | 3.70 | | |
| 6.6 | 166 | 199.70 | 11 | 3.60 | **GFA57** | |
| 7.1 | 153 | 183.60 | 11 | 3.90 | **GFAF57** | **4P** |
| 8.3 | 131 | 157.09 | 11 | 4.60 | **GF57** | |
| 9.6 | 113 | 136.16 | 11 | 5.30 | **GFF57** | |
| 4.5 | 244 | 190.76 | 7.1 | 1.65 | | |
| 4.8 | 225 | 175.38 | 7.3 | 1.80 | | |
| 5.7 | 192 | 150.06 | 7.4 | 2.10 | **GFA47** | |
| 6.5 | 167 | 130.07 | 7.5 | 2.40 | **GFAF47** | **6P*** |
| 7.0 | 156 | 121.57 | 7.6 | 2.60 | **GF47** | |
| 8.1 | 135 | 105.09 | 7.7 | 3.00 | **GFF47** | |
| 9.5 | 114 | 89.29 | 7.7 | 3.50 | | |
| 11 | 102 | 79.72 | 7.8 | 3.90 | | |
| 6.9 | 159 | 190.76 | 7.6 | 2.50 | **GFA47** | |
| 7.5 | 146 | 175.38 | 7.6 | 2.80 | **GFAF47** | **4P** |
| 8.7 | 125 | 150.06 | 7.7 | 3.20 | **GF47** | |
| 10.1 | 108 | 130.07 | 7.7 | 3.70 | **GFF47** | |
| 6.6 | 165 | 128.51 | 4.5 | 1.20 | **GFA37** | |
| 7.2 | 151 | 117.88 | 4.6 | 1.35 | **GFAF37** | **6P*** |
| 8.5 | 129 | 100.36 | 4.8 | 1.55 | **GF37** | |
| 9.8 | 111 | 86.53 | 4.9 | 1.80 | **GFF37** | |
| 11 | 103 | 80.65 | 5.0 | 1.95 | | |

*0.12kW（6P）电机需特制。*0.12kW motor of 6 poles needs to be specially requested and then manufactured.

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.12kW** | | | | | | |
| 10 | 107 | 128.51 | 5.0 | 1.85 | **GFA37 GFAF37 GF37 GFF37** | **4P** |
| 11 | 98 | 117.88 | 5.0 | 2.00 | | |
| 13 | 83 | 100.36 | 5.1 | 2.40 | | |
| 15 | 72 | 86.53 | 5.1 | 2.80 | | |
| 16 | 67 | 80.65 | 5.1 | 3.00 | | |
| **0.18kW** | | | | | | |
| 0.10 | 15291 | 12912 | 83 | 0.80 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 0.11 | 13788 | 11643 | 86 | 0.90 | | |
| 0.13 | 12056 | 10180 | 86 | 1.05 | | |
| 0.15 | 10448 | 8822 | 86 | 1.20 | | |
| 0.17 | 9041 | 7634 | 86 | 1.40 | | |
| 0.20 | 7944 | 6708 | 86 | 1.60 | | |
| 0.15 | 10123 | 8548 | 45 | 0.80 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 0.17 | 9089 | 7675 | 46 | 0.90 | | |
| 0.19 | 8015 | 6768 | 49 | 1.05 | | |
| 0.22 | 7051 | 5954 | 51 | 1.15 | | |
| 0.25 | 6185 | 5223 | 53 | 1.35 | | |
| 0.29 | 5409 | 4567 | 54 | 1.55 | | |
| 0.37 | 4170 | 3521 | 56 | 2.00 | | |
| 0.43 | 3597 | 3037 | 57 | 2.30 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 0.48 | 3264 | 2756 | 58 | 2.55 | | |
| 0.55 | 2806 | 2369 | 58 | 2.95 | | |
| 0.63 | 2449 | 2068 | 59 | 3.40 | | |
| 0.30 | 5131 | 4333 | 27 | 0.90 | **GFA97R57 GFAF97R57 GF97R57 GFF97R57** | **4P** |
| 0.34 | 4626 | 3906 | 29 | 1.00 | **GFA97R57 GFAF97R57 GF97R57 GFF97R57** | **4P** |
| 0.39 | 3970 | 3352 | 30 | 1.15 | | |
| 0.45 | 3443 | 2907 | 31 | 1.30 | | |
| 0.51 | 3023 | 2553 | 32 | 1.50 | | |
| 0.58 | 2659 | 2245 | 33 | 1.70 | | |
| 0.66 | 2333 | 1970 | 33 | 1.95 | | |
| 0.76 | 2041 | 1723 | 34 | 2.20 | | |
| 0.86 | 1810 | 1528 | 34 | 2.50 | | |
| 0.99 | 1572 | 1327 | 35 | 2.90 | | |
| 1.1 | 1387 | 1171 | 35 | 3.30 | | |
| 0.51 | 3050 | 2575 | 22 | 1.05 | **GFA87R57 GFAF87R57 GF87R57** | **4P** |
| 0.60 | 2604 | 2199 | 24 | 1.20 | | |
| 0.68 | 2286 | 1930 | 25 | 1.40 | | |
| 0.77 | 2024 | 1709 | 25 | 1.60 | | |
| 0.88 | 1768 | 1493 | 26 | 1.80 | | |
| 1.1 | 1360 | 1148 | 27 | 2.35 | | |
| 1.3 | 1196 | 1010 | 27 | 2.65 | | |
| 1.5 | 1050 | 887 | 28 | 3.00 | | |
| 1.7 | 924 | 780 | 28 | 3.45 | | |
| 0.85 | 1829 | 1544 | 13 | 0.85 | **GFA77R37 GFAF77R37 GF77R37 GFF77R37** | **4P** |
| 1.0 | 1604 | 1354 | 15 | 1.00 | | |
| 1.1 | 1421 | 1200 | 16 | 1.10 | | |
| 1.2 | 1247 | 1053 | 17 | 1.30 | | |
| 1.4 | 1078 | 910 | 17 | 1.50 | | |
| 1.6 | 959 | 810 | 18 | 1.65 | | |
| 1.8 | 841 | 710 | 18 | 1.90 | | |
| 2.1 | 728 | 615 | 18 | 2.20 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 1.5 | 1016 | 858 | 8.9 | 0.85 | **GFA67R37 GFAF67R37 GF67R37 GFF67R37** | **4P** |
| 1.7 | 894 | 755 | 10 | 0.95 | | |
| 2.0 | 759 | 641 | 11 | 1.15 | | |
| 2.3 | 677 | 572 | 11 | 1.30 | | |
| 2.6 | 603 | 509 | 12 | 1.45 | | |
| 3.0 | 518 | 437 | 12 | 1.70 | | |
| 3.4 | 455 | 384 | 12 | 1.90 | | |
| 2.6 | 592 | 500 | 11 | 1.45 | **GFA67R37 GFAF67R37 GF67R37 GFF67R37** | **4P** |
| 2.9 | 538 | 454 | 12 | 1.60 | | |
| 3.3 | 464 | 392 | 12 | 1.85 | | |
| 3.9 | 394 | 333 | 12 | 2.20 | | |
| 4.4 | 352 | 297 | 12 | 2.50 | | |
| 5.0 | 309 | 261 | 12 | 2.80 | | |
| 5.5 | 282 | 238 | 12 | 3.10 | | |
| 6.6 | 237 | 200 | 12 | 3.65 | | |
| 2.3 | 661 | 558 | 8.6 | 0.95 | **GFA57R37 GFAF57R37 GF57R37 GFF57R37** | **4P** |
| 2.6 | 599 | 506 | 9.1 | 1.05 | | |
| 2.9 | 535 | 452 | 10 | 1.20 | | |
| 3.4 | 457 | 386 | 10 | 1.40 | | |
| 3.9 | 400 | 338 | 10 | 1.60 | | |
| 3.1 | 505 | 426 | 10 | 1.25 | **GFA57R37 GFAF57R37 GF57R37 GFF57R37** | **4P** |
| 3.4 | 452 | 382 | 10 | 1.40 | | |
| 4.0 | 391 | 330 | 10 | 1.60 | | |
| 4.4 | 353 | 298 | 10 | 1.80 | | |
| 5.0 | 310 | 262 | 11 | 2.05 | | |
| 5.8 | 268 | 226 | 11 | 2.40 | | |
| 6.6 | 237 | 200 | 11 | 2.70 | | |
| 3.5 | 438 | 370 | 5.6 | 0.95 | **GFA47R17 GFAF47R17 GF47R17 GFF47R17** | **4P** |
| 4.0 | 384 | 324 | 6.1 | 1.10 | | |
| 4.5 | 341 | 288 | 6.6 | 1.25 | | |
| 5.3 | 295 | 249 | 6.9 | 1.45 | | |
| 3.9 | 396 | 334 | 5.9 | 1.05 | **GFA47R17 GFAF47R17 GF47R17 GFF47R17** | **4P** |
| 4.5 | 348 | 294 | 6.4 | 1.20 | | |
| 5.2 | 300 | 253 | 6.9 | 1.40 | | |
| 6.0 | 257 | 217 | 7.1 | 1.65 | | |
| 6.9 | 225 | 190 | 7.3 | 1.85 | | |
| 7.4 | 211 | 178 | 7.4 | 2.00 | | |
| 7.0 | 220 | 186 | 4.0 | 0.95 | **GFA37R17 GFAF37R17 GF37R17 GFF37R17** | **4P** |
| 7.8 | 198 | 167 | 4.2 | 1.05 | | |
| 9.0 | 172 | 145 | 4.5 | 1.20 | | |
| 10 | 153 | 129 | 4.7 | 1.40 | | |
| 3.0 | 541 | 281.71 | 19 | 2.70 | **GFA77 GFAF77 GF77 GFF77** | **6P** |
| 3.2 | 505 | 262.93 | 19 | 2.90 | | |
| 3.8 | 434 | 225.79 | 19 | 3.40 | | |
| 3.7 | 440 | 228.99 | 12 | 1.80 | **GFA67 GFAF67 GF67 GFF67** | **6P** |
| 4.4 | 375 | 195.39 | 12 | 2.10 | | |
| 5.0 | 328 | 170.85 | 12 | 2.40 | | |
| 5.7 | 285 | 228.99 | 12 | 2.80 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 6.7 | 244 | 195.39 | 12 | 3.20 | | |
| 7.7 | 213 | 170.85 | 12 | 3.70 | | |
| 4.3 | 384 | 199.70 | 10 | 1.50 | **GFA57 GFAF57 GF57 GFF57** | **6P** |
| 4.6 | 353 | 183.60 | 10 | 1.65 | | |
| 5.4 | 302 | 157.09 | 11 | 1.95 | | |
| 6.2 | 262 | 136.16 | 11 | 2.20 | | |
| 6.7 | 245 | 127.27 | 11 | 2.40 | | |
| 7.7 | 211 | 110.01 | 11 | 2.80 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.18kW** | | | | | | |
| 6.6 | 249 | 199.70 | 11 | 2.30 | **GFA57 GFAF57 GF57 GFF57** | **4P** |
| 7.1 | 229 | 183.60 | 11 | 2.50 | | |
| 8.3 | 196 | 157.09 | 11 | 2.90 | | |
| 9.6 | 170 | 136.16 | 11 | 3.40 | | |
| 10.3 | 159 | 127.27 | 11 | 3.60 | | |
| 4.5 | 366 | 190.76 | 5.9 | 1.05 | **GFA47 GFAF47 GF47 GFF47** | **6P** |
| 4.8 | 337 | 175.38 | 6.3 | 1.15 | | |
| 5.7 | 288 | 150.06 | 6.7 | 1.35 | | |
| 6.5 | 250 | 130.07 | 7.0 | 1.55 | | |
| 7.0 | 234 | 121.57 | 7.2 | 1.65 | | |
| 6.9 | 238 | 190.76 | 7.1 | 1.60 | **GFA47 GFAF47 GF47 GFF47** | **4P** |
| 7.5 | 219 | 175.38 | 7.2 | 1.75 | | |
| 8.7 | 187 | 150.06 | 7.4 | 2.00 | | |
| 10.1 | 162 | 130.07 | 7.5 | 2.40 | | |
| 10.8 | 152 | 121.57 | 7.6 | 2.50 | | |
| 7.2 | 226 | 117.88 | 3.6 | 0.85 | **GFA37 GFAF37 GF37 GFF37** | **6P** |
| 8.5 | 193 | 100.36 | 4.1 | 1.00 | | |
| 10 | 166 | 86.53 | 4.4 | 1.15 | | |
| 11 | 155 | 80.65 | 4.6 | 1.25 | | |
| 12 | 135 | 70.50 | 4.7 | 1.45 | | |
| 10 | 160 | 128.51 | 4.5 | 1.20 | **GFA37 GFAF37 GF37 GFF37** | **4P** |
| 11 | 147 | 117.88 | 4.6 | 1.30 | | |
| 13 | 125 | 100.36 | 4.8 | 1.55 | | |
| 15 | 108 | 86.53 | 4.9 | 1.75 | | |
| 16 | 101 | 80.65 | 5.0 | 1.90 | | |
| 19 | 88 | 70.50 | 5.0 | 2.20 | | |
| 20 | 82 | 66.09 | 5.1 | 2.30 | | |
| 22 | 73 | 58.32 | 5.1 | 2.60 | | |
| **0.25kW** | | | | | | |
| 0.15 | 14292 | 8822 | 84 | 0.85 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 0.17 | 12368 | 7634 | 86 | 1.00 | | |
| 0.20 | 10868 | 6708 | 86 | 1.15 | | |
| 0.22 | 9589 | 5919 | 86 | 1.30 | | |
| 0.26 | 8339 | 5147 | 86 | 1.50 | | |
| 0.29 | 7336 | 4528 | 86 | 1.70 | | |
| 0.22 | 9646 | 5954 | 44 | 0.85 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 0.25 | 8462 | 5223 | 47 | 0.95 | | |
| 0.29 | 7399 | 4567 | 49 | 1.10 | | |
| 0.38 | 5704 | 3521 | 53 | 1.40 | | |
| 0.44 | 4920 | 3037 | 54 | 1.65 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 0.48 | 4465 | 2756 | 55 | 1.80 | | |
| 0.56 | 3838 | 2369 | 56 | 2.10 | | |
| 0.64 | 3350 | 2068 | 57 | 2.40 | | |
| 0.83 | 2587 | 1597 | 58 | 3.15 | | |
| 0.95 | 2270 | 1401 | 59 | 3.60 | | |
| 0.46 | 4710 | 2907 | 28 | 0.95 | **GFA97R57 GFAF97R57 GF97R57 GFF97R57** | **4P** |
| 0.52 | 4136 | 2553 | 29 | 1.05 | | |
| 0.59 | 3637 | 2245 | 30 | 1.20 | | |
| 0.68 | 3192 | 1970 | 31 | 1.40 | | |
| 0.77 | 2791 | 1723 | 32 | 1.60 | | |
| 0.87 | 2475 | 1528 | 33 | 1.80 | | |
| 1.0 | 2150 | 1327 | 34 | 2.10 | | |
| 1.1 | 1897 | 1171 | 34 | 2.35 | | |
| 1.3 | 1656 | 1022 | 34 | 2.70 | | |
| 0.69 | 3127 | 1930 | 17 | 1.00 | **GFA87R57 GFAF87R57 GF87R57 GFF87R57** | **4P** |
| 0.78 | 2769 | 1709 | 23 | 1.10 | | |
| 0.89 | 2419 | 1493 | 24 | 1.30 | | |
| 1.0 | 2106 | 1300 | 25 | 1.50 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 1.2 | 1860 | 1148 | 26 | 1.70 | **GFA87R57 GFAF87R57 GF87R57 GFF87R57** | **4P** |
| 1.3 | 1636 | 1010 | 26 | 1.90 | | |
| 1.5 | 1437 | 887 | 27 | 2.20 | | |
| 1.7 | 1264 | 780 | 27 | 2.50 | | |
| 2.0 | 1092 | 674 | 27 | 2.90 | | |
| 1.3 | 1706 | 1053 | 14 | 0.90 | **GFA77R37 GFAF77R37 GF77R37 GFF77R37** | **4P** |
| 1.5 | 1474 | 910 | 15 | 1.05 | | |
| 1.6 | 1312 | 810 | 16 | 1.20 | | |
| 1.9 | 1150 | 710 | 17 | 1.35 | | |
| 2.2 | 996 | 615 | 17 | 1.55 | | |
| 2.5 | 872 | 538 | 18 | 1.80 | | |
| 2.8 | 778 | 480 | 18 | 2.00 | | |
| 3.2 | 669 | 413 | 18 | 2.35 | | |
| 2.3 | 927 | 572 | 9.0 | 0.90 | **GFA67R37 GFAF67R37 GF67R37 GFF67R37** | **4P** |
| 2.6 | 825 | 509 | 10 | 1.05 | | |
| 3.0 | 708 | 437 | 11 | 1.20 | | |
| 2.7 | 810 | 500 | 10 | 1.05 | **GFA67R37 GFAF67R37 GF67R37 GFF67R37** | **4P** |
| 2.9 | 736 | 454 | 10 | 1.15 | | |
| 3.4 | 635 | 392 | 11 | 1.35 | | |
| 4.0 | 539 | 333 | 12 | 1.60 | | |
| 4.5 | 481 | 297 | 12 | 1.75 | | |
| 5.1 | 423 | 261 | 12 | 2.00 | | |
| 5.6 | 386 | 238 | 12 | 2.20 | | |
| 3.4 | 625 | 386 | 8.7 | 1.00 | **GFA57R37 GFAF57R37 GF57R37 GFF57R37** | **4P** |
| 3.9 | 548 | 338 | 9.3 | 1.15 | | |
| 5.2 | 413 | 255 | 10 | 1.50 | | |
| 3.5 | 619 | 382 | 8.3 | 1.00 | **GFA57R37 GFAF57R37 GF57R37 GFF57R37** | **4P** |
| 4.0 | 535 | 330 | 9.2 | 1.15 | | |
| 4.5 | 483 | 298 | 10 | 1.25 | | |
| 5.1 | 424 | 262 | 10 | 1.45 | | |
| 5.9 | 366 | 226 | 10 | 1.70 | | |
| 6.7 | 324 | 200 | 10 | 1.90 | | |
| 7.8 | 275 | 170 | 11 | 2.25 | | |
| 5.3 | 403 | 249 | 5.7 | 1.00 | **GFA47R17 GFAF47R17 GF47R17 GFF47R17** | **4P** |
| 6.1 | 353 | 218 | 6.3 | 1.15 | | |
| 6.9 | 313 | 193 | 6.7 | 1.30 | | |
| 7.6 | 284 | 175 | 6.9 | 1.45 | | |
| 5.3 | 410 | 253 | 5.6 | 1.00 | **GFA47R17 GFAF47R17 GF47R17 GFF47R17** | **4P** |
| 6.1 | 352 | 217 | 6.2 | 1.20 | | |
| 7.0 | 308 | 190 | 6.6 | 1.35 | | |
| 7.5 | 288 | 178 | 6.8 | 1.45 | | |
| 8.9 | 241 | 149 | 7.1 | 1.70 | | |
| 10 | 212 | 131 | 7.3 | 1.95 | | |
| 9.2 | 235 | 145 | 3.5 | 0.85 | **GFA37R17 GFAF37R17 GF37R17 GFF37R17** | **4P** |
| 10 | 209 | 129 | 3.9 | 1.00 | | |
| 11 | 191 | 118 | 4.2 | 1.10 | | |
| 14 | 159 | 98 | 4.5 | 1.30 | | |
| 15 | 141 | 87 | 4.7 | 1.45 | | |
| 3.0 | 752 | 281.71 | 18 | 1.95 | **GFA77 GFAF77 GF77 GFF77** | **6P** |
| 3.2 | 702 | 262.93 | 18 | 2.10 | | |
| 3.8 | 602 | 225.79 | 19 | 2.50 | | |
| 4.3 | 529 | 198.31 | 19 | 2.80 | | |
| 4.5 | 503 | 188.40 | 19 | 2.90 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.25kW** | | | | | | |
| 3.7 | 611 | 228.99 | 11 | 1.30 | **GFA67 GFAF67 GF67 GFF67** | **6P** |
| 4.4 | 521 | 195.39 | 12 | 1.55 | | |
| 5.0 | 456 | 170.85 | 12 | 1.75 | | |
| 5.2 | 433 | 162.31 | 12 | 1.85 | | |
| 6.0 | 380 | 142.40 | 12 | 2.10 | | |
| 5.8 | 391 | 228.99 | 12 | 1.95 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 6.8 | 333 | 195.39 | 12 | 2.30 | | |
| 7.8 | 291 | 170.85 | 12 | 2.60 | | |
| 8.2 | 277 | 162.31 | 12 | 2.80 | | |
| 9.3 | 243 | 142.40 | 12 | 3.10 | | |
| 4.3 | 533 | 199.70 | 9.1 | 1.10 | **GFA57 GFAF57 GF57 GFF57** | **6P** |
| 4.6 | 490 | 183.60 | 9.4 | 1.20 | | |
| 5.4 | 419 | 157.09 | 10 | 1.40 | | |
| 6.2 | 363 | 136.16 | 10 | 1.60 | | |
| 6.7 | 340 | 127.27 | 10 | 1.75 | | |
| 7.7 | 294 | 110.01 | 11 | 2.00 | | |
| 6.7 | 341 | 199.70 | 10 | 1.65 | **GFA57 GFAF57 GF57 GFF57** | **4P** |
| 7.2 | 313 | 183.60 | 10 | 1.80 | | |
| 8.5 | 268 | 157.09 | 11 | 2.10 | | |
| 9.8 | 232 | 136.16 | 11 | 2.40 | | |
| 10 | 217 | 127.27 | 11 | 2.60 | | |
| 12 | 188 | 110.01 | 11 | 3.00 | | |
| 5.7 | 400 | 150.06 | 5.5 | 1.00 | **GFA47 GFAF47 GF47 GFF47** | **6P** |
| 6.5 | 347 | 130.07 | 6.2 | 1.15 | | |
| 7.0 | 324 | 121.57 | 6.4 | 1.20 | | |
| 8.1 | 280 | 105.09 | 6.8 | 1.40 | | |
| 7.0 | 325 | 190.76 | 6.2 | 1.15 | **GFA47 GFAF47 GF47 GFF47** | **4P** |
| 7.6 | 299 | 175.38 | 6.5 | 1.25 | | |
| 8.9 | 256 | 150.06 | 6.9 | 1.45 | | |
| 10.2 | 222 | 130.07 | 7.2 | 1.65 | | |
| 10.9 | 207 | 121.57 | 7.3 | 1.80 | | |
| 12.7 | 179 | 105.09 | 7.4 | 2.10 | | |
| 14.9 | 152 | 89.29 | 7.6 | 2.40 | | |
| 10 | 219 | 128.51 | 3.5 | 0.85 | **GFA37 GFAF37 GF37 GFF37** | **4P** |
| 11 | 201 | 117.88 | 3.8 | 0.90 | | |
| 13 | 171 | 100.36 | 4.3 | 1.10 | | |
| 15 | 148 | 86.53 | 4.6 | 1.25 | | |
| 16 | 138 | 80.65 | 4.7 | 1.35 | | |
| 19 | 120 | 70.50 | 4.8 | 1.55 | | |
| 20 | 113 | 66.09 | 4.9 | 1.65 | | |
| 23 | 99 | 58.32 | 4.9 | 1.85 | | |
| 24 | 93 | 54.54 | 5.0 | 2.00 | | |
| 26 | 88 | 51.70 | 5.0 | 2.10 | | |
| 28 | 80 | 47.02 | 5.1 | 2.30 | | |
| 30 | 75 | 43.95 | 5.1 | 2.50 | | |
| 35 | 65 | 38.31 | 5.1 | 2.80 | | |
| 37 | 61 | 35.91 | 5.1 | 3.00 | | |
| 42 | 54 | 31.69 | 5.2 | 3.40 | | |
| **0.37kW** | | | | | | |
| 0.20 | 16084 | 6708 | 81 | 0.80 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 0.22 | 14192 | 5919 | 84 | 0.85 | | |
| 0.26 | 12341 | 5147 | 86 | 1.00 | | |
| 0.29 | 10857 | 4528 | 86 | 1.15 | | |
| 0.34 | 9404 | 3922 | 86 | 1.35 | | |
| 0.39 | 8272 | 3450 | 86 | 1.55 | | |
| 0.44 | 7260 | 3028 | 86 | 1.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 0.44 | 7282 | 3037 | 50 | 1.10 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 0.48 | 6608 | 2756 | 51 | 1.25 | | |
| 0.56 | 5680 | 2369 | 53 | 1.45 | | |
| 0.64 | 4959 | 2068 | 54 | 1.65 | | |
| 0.83 | 3829 | 1597 | 56 | 2.10 | | |
| 0.68 | 4724 | 1970 | 28 | 0.95 | **GFA97R57 GFAF97R57 GF97R57 GFF97R57** | **4P** |
| 0.77 | 4131 | 1723 | 29 | 1.10 | | |
| 0.87 | 3664 | 1528 | 31 | 1.20 | | |
| 1.0 | 3182 | 1327 | 32 | 1.40 | | |
| 1.1 | 2808 | 1171 | 32 | 1.60 | | |
| 1.3 | 2450 | 1022 | 33 | 1.85 | | |
| 1.5 | 2153 | 898 | 34 | 2.10 | | |
| 1.0 | 3117 | 1300 | 22 | 1.00 | **GFA87R57 GFAF87R57 GF87R57 GFF87R57** | **4P** |
| 1.2 | 2753 | 1148 | 23 | 1.15 | | |
| 1.3 | 2422 | 1010 | 24 | 1.30 | | |
| 1.5 | 2127 | 887 | 25 | 1.45 | | |
| 1.7 | 1870 | 780 | 26 | 1.65 | | |
| 2.0 | 1616 | 674 | 27 | 1.95 | | |
| 2.2 | 1460 | 609 | 27 | 2.15 | | |
| 2.6 | 1235 | 515 | 27 | 2.55 | | |
| 2.9 | 1084 | 452 | 28 | 2.90 | | |
| 1.6 | 1942 | 810 | 13 | 0.80 | **GFA77R37 GFAF77R37 GF77R37 GFF77R37** | **4P** |
| 1.9 | 1702 | 710 | 14 | 0.90 | | |
| 2.2 | 1475 | 615 | 16 | 1.05 | | |
| 2.5 | 1290 | 538 | 17 | 1.20 | | |
| 2.8 | 1151 | 480 | 17 | 1.35 | | |
| 3.2 | 990 | 413 | 18 | 1.60 | | |
| 3.6 | 880 | 367 | 18 | 1.80 | | |
| 4.1 | 774 | 323 | 18 | 2.00 | | |
| 3.5 | 921 | 384 | 9.4 | 0.95 | **GFA67R37 GFAF67R37 GF67R37 GFF67R37** | **4P** |
| 3.9 | 810 | 338 | 10 | 1.05 | | |
| 4.4 | 731 | 305 | 11 | 1.15 | | |
| 5.2 | 616 | 257 | 11 | 1.40 | | |
| 5.8 | 554 | 231 | 12 | 1.55 | | |
| 5.2 | 611 | 255 | 8.9 | 1.00 | **GFA57R37 GFAF57R37 GF57R37 GFF57R37** | **4P** |
| 6.6 | 482 | 201 | 10 | 1.30 | | |
| 7.3 | 434 | 181 | 10 | 1.45 | | |
| 5.1 | 628 | 262 | 8.7 | 1.00 | **GFA57R37 GFAF57R37 GF57R37 GFF57R37** | **4P** |
| 5.9 | 542 | 226 | 9.3 | 1.15 | | |
| 6.7 | 480 | 200 | 10 | 1.30 | | |
| 7.8 | 408 | 170 | 10 | 1.55 | | |
| 8.8 | 364 | 152 | 10 | 1.70 | | |
| 9.9 | 321 | 134 | 11 | 1.95 | | |
| 7.6 | 420 | 175 | 5.7 | 1.00 | **GFA47R17 GFAF47R17 GF47R17 GFF47R17** | **4P** |
| 9.0 | 352 | 147 | 6.4 | 1.20 | | |
| 10 | 312 | 130 | 6.8 | 1.35 | | |
| 2.4 | 1377 | 270.68 | 27 | 2.10 | **GFA87 GFAF87 GF87 GFF87** | **8P** |
| 2.6 | 1299 | 255.37 | 27 | 2.30 | | |
| 2.9 | 1164 | 228.93 | 27 | 2.50 | | |
| 3.3 | 1003 | 197.20 | 27 | 2.90 | | |
| 3.3 | 1021 | 270.68 | 27 | 2.80 | **GFA87 GFAF87 GF87 GFF87** | **6P** |
| 3.5 | 963 | 255.37 | 28 | 3.00 | | |
| 3.9 | 863 | 228.93 | 28 | 3.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.37kW** | | | | | | |
| 3.9 | 852 | 225.79 | 18 | 1.70 | **GFA77** | **6P** |
| 4.5 | 748 | 198.31 | 18 | 1.95 | **GFAF77** | |
| 4.7 | 711 | 188.40 | 18 | 2.00 | **GF77** | |
| 5.3 | 628 | 166.47 | 18 | 2.30 | **GFF77** | |
| 6.3 | 537 | 142.27 | 19 | 2.70 | | |
| 4.7 | 711 | 281.71 | 18 | 2.10 | **GFA77** | **4P** |
| 5.1 | 664 | 262.93 | 18 | 2.20 | **GFAF77** | |
| 5.9 | 570 | 225.79 | 19 | 2.60 | **GF77** | |
| 6.7 | 501 | 198.31 | 19 | 3.00 | **GFF77** | |
| 4.6 | 737 | 195.39 | 10 | 1.05 | **GFA67** | **6P** |
| 5.2 | 644 | 170.85 | 11 | 1.20 | **GFAF67** | |
| 5.5 | 612 | 162.31 | 11 | 1.30 | **GF67** | |
| 6.3 | 537 | 142.40 | 11 | 1.45 | **GFF67** | |
| 7.4 | 456 | 120.79 | 12 | 1.75 | | |
| 5.8 | 578 | 228.99 | 11 | 1.40 | | **4P** |
| 6.8 | 493 | 195.39 | 12 | 1.65 | **GFA67** | |
| 7.8 | 431 | 170.85 | 12 | 1.85 | **GFAF67** | |
| 8.2 | 410 | 162.31 | 12 | 1.95 | **GF67** | |
| 9.3 | 359 | 142.40 | 12 | 2.20 | **GFF67** | |
| 11 | 305 | 120.79 | 12 | 2.70 | | |
| 5.6 | 596 | 157.09 | 8.6 | 0.95 | **GFA57** | **6P** |
| 6.5 | 516 | 136.16 | 9.2 | 1.10 | **GFAF57** | |
| 7.0 | 483 | 127.27 | 9.4 | 1.20 | **GF57** | |
| 8.0 | 417 | 110.01 | 10 | 1.40 | **GFF57** | |
| 6.7 | 504 | 199.70 | 9.4 | 1.15 | | **4P** |
| 7.2 | 463 | 183.60 | 10 | 1.30 | | |
| 8.5 | 396 | 157.09 | 10 | 1.50 | **GFA57** | |
| 9.8 | 344 | 136.16 | 10 | 1.70 | **GFAF57** | |
| 10 | 321 | 127.27 | 10 | 1.85 | **GF57** | |
| 12 | 278 | 110.01 | 11 | 2.10 | **GFF57** | |
| 14 | 236 | 93.47 | 11 | 2.50 | | |
| 16 | 211 | 83.46 | 11 | 2.80 | | |
| 8.9 | 379 | 150.06 | 5.8 | 1.05 | | **4P** |
| 10 | 328 | 130.07 | 6.4 | 1.20 | **GFA47** | |
| 13 | 265 | 105.09 | 7.0 | 1.50 | **GFAF47** | |
| 15 | 225 | 89.29 | 7.2 | 1.75 | **GF47** | |
| 17 | 201 | 79.72 | 7.4 | 1.95 | **GFF47** | |
| 20 | 172 | 68.09 | 7.5 | 2.30 | | |
| 20 | 165 | 65.36 | 7.5 | 2.40 | | |
| 15 | 218 | 86.53 | 3.8 | 0.90 | | **4P** |
| 16 | 204 | 80.65 | 4.0 | 0.95 | | |
| 19 | 178 | 70.50 | 4.3 | 1.10 | | |
| 20 | 167 | 66.09 | 4.4 | 1.20 | | |
| 23 | 147 | 58.32 | 4.6 | 1.35 | | |
| 24 | 138 | 54.54 | 4.7 | 1.45 | **GFA37** | |
| 26 | 130 | 51.70 | 4.8 | 1.50 | **GFAF37** | |
| 28 | 119 | 47.02 | 4.9 | 1.65 | **GF37** | |
| 30 | 111 | 43.95 | 4.9 | 1.80 | **GFF37** | |
| 35 | 97 | 38.31 | 5.0 | 2.00 | | |
| 37 | 91 | 35.91 | 5.0 | 2.20 | | |
| 42 | 80 | 31.69 | 5.0 | 2.50 | | |
| 47 | 71 | 28.10 | 4.9 | 2.80 | | |
| 56 | 60 | 23.88 | 4.7 | 3.30 | | |
| **0.55kW** | | | | | | |
| 0.22 | 21468 | 6295 | 87 | 0.90 | **GFA157R97** | **4P** |
| 0.26 | 18430 | 5404 | 97 | 1.05 | **GFAF157R97** | |
| 0.50 | 9481 | 2780 | 113 | 2.00 | **GF157R97** | |
| | | | | | **GFF157R97** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 0.57 | 8277 | 2427 | 114 | 2.30 | **GFA157R97** | **4P** |
| 0.83 | 5709 | 1674 | 114 | 3.30 | **GFAF157R97** | |
| 1.1 | 4461 | 1308 | 114 | 4.30 | **GF157R97** | |
| 1.2 | 3987 | 1169 | 114 | 4.80 | **GFF157R97** | |
| 0.35 | 13375 | 3922 | 84 | 0.90 | **GFA127R77** | **4P** |
| 0.40 | 11766 | 3450 | 86 | 1.05 | **GFAF127R77** | |
| 0.46 | 10327 | 3028 | 86 | 1.20 | **GF127R77** | |
| | | | | | **GFF127R77** | |
| 0.59 | 8079 | 2369 | 46 | 0.95 | | **4P** |
| 0.67 | 7053 | 2068 | 49 | 1.10 | | |
| 0.76 | 6227 | 1826 | 51 | 1.25 | | |
| 0.87 | 5446 | 1597 | 53 | 1.40 | **GFA107R77** | |
| 0.99 | 4778 | 1401 | 54 | 1.60 | **GFAF107R77** | |
| 1.1 | 4239 | 1243 | 55 | 1.85 | **GF107R77** | |
| 1.3 | 3707 | 1087 | 56 | 2.10 | **GFF107R77** | |
| 1.5 | 3240 | 950 | 57 | 2.40 | | |
| 1.7 | 2844 | 834 | 58 | 2.75 | | |
| 2.2 | 2183 | 640 | 59 | 3.55 | | |
| 1.0 | 4526 | 1327 | 28 | 0.95 | | **4P** |
| 1.2 | 3994 | 1171 | 29 | 1.05 | | |
| 1.4 | 3485 | 1022 | 30 | 1.20 | | |
| 1.5 | 3062 | 898 | 32 | 1.40 | **GFA97R57** | |
| 1.8 | 2677 | 785 | 32 | 1.60 | **GFAF97R57** | |
| 2.0 | 2353 | 690 | 33 | 1.85 | **GF97R57** | |
| 2.3 | 2063 | 605 | 34 | 2.10 | **GFF97R57** | |
| 2.6 | 1804 | 529 | 34 | 2.40 | | |
| 3.0 | 1593 | 467 | 34 | 2.70 | | |
| 3.4 | 1385 | 406 | 35 | 3.10 | | |
| 3.8 | 1238 | 363 | 35 | 3.45 | | |
| 1.6 | 3025 | 887 | 17 | 1.00 | | **4P** |
| 1.8 | 2660 | 780 | 23 | 1.10 | **GFA87R57** | |
| 2.1 | 2299 | 674 | 24 | 1.30 | **GFAF87R57** | |
| 2.3 | 2077 | 609 | 25 | 1.45 | **GF87R57** | |
| 2.7 | 1756 | 515 | 26 | 1.70 | **GFF87R57** | |
| 3.1 | 1541 | 452 | 26 | 1.95 | | |
| 4.0 | 1177 | 345 | 27 | 2.55 | | |
| 2.9 | 1637 | 480 | 14 | 0.90 | **GFA77R37** | **4P** |
| 3.4 | 1408 | 413 | 15 | 1.05 | **GFAF77R37** | |
| 3.8 | 1252 | 367 | 16 | 1.20 | **GF77R37** | |
| 4.3 | 1102 | 323 | 17 | 1.35 | **GFF77R37** | |
| 5.4 | 876 | 257 | 9.2 | 0.90 | **GFA67R37** | **4P** |
| 6.0 | 788 | 231 | 10 | 1.05 | **GFAF67R37** | |
| 6.8 | 699 | 205 | 11 | 1.15 | **GF67R37** | |
| 7.9 | 597 | 175 | 11 | 1.35 | **GFF67R37** | |
| 2.4 | 2092 | 276.77 | 33 | 2.00 | **GFA97** | **8P** |
| 2.6 | 1916 | 253.41 | 34 | 2.20 | **GFAF97** | |
| 2.9 | 1693 | 223.88 | 34 | 2.50 | **GF97** | |
| | | | | | **GFF97** | |
| 2.4 | 2046 | 270.68 | 25 | 1.45 | **GFA87** | **8P** |
| 2.6 | 1931 | 255.37 | 25 | 1.50 | **GFAF87** | |
| 2.9 | 1731 | 228.93 | 26 | 1.70 | **GF87** | |
| 3.3 | 1491 | 197.20 | 26 | 1.95 | **GFF87** | |
| 3.3 | 1518 | 270.68 | 26 | 1.90 | **GFA87** | **6P** |
| 3.5 | 1432 | 255.37 | 26 | 2.00 | **GFAF87** | |
| 3.9 | 1284 | 228.93 | 27 | 2.20 | **GF87** | |
| 4.5 | 1106 | 197.20 | 27 | 2.60 | **GFF87** | |
| 4.9 | 1009 | 179.97 | 27 | 2.90 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.55kW** | | | | | | |
| 3.9 | 1266 | 225.79 | 16 | 1.15 | | |
| 4.5 | 1112 | 198.31 | 17 | 1.30 | **GFA77** | |
| 4.7 | 1056 | 188.40 | 17 | 1.35 | **GFAF77** | |
| 5.3 | 933 | 166.47 | 17 | 1.55 | **GF77** | **6P** |
| 6.3 | 798 | 142.27 | 18 | 1.80 | **GFF77** | |
| 6.8 | 731 | 130.42 | 18 | 1.95 | | |
| 6.2 | 811 | 225.79 | 18 | 1.70 | | |
| 7.0 | 712 | 198.31 | 18 | 1.95 | | |
| 7.4 | 676 | 188.40 | 18 | 2.10 | **GFA77** | |
| 8.3 | 598 | 166.47 | 18 | 2.30 | **GFAF77** | |
| 9.8 | 511 | 142.27 | 19 | 2.70 | **GF77** | **4P** |
| 11 | 468 | 130.42 | 19 | 3.00 | **GFF77** | |
| 12 | 411 | 114.45 | 19 | 3.40 | | |
| 13 | 389 | 108.46 | 19 | 3.60 | | |
| 15 | 341 | 94.93 | 19 | 4.10 | | |
| 7.1 | 701 | 195.39 | 10 | 1.10 | | |
| 8.1 | 613 | 170.85 | 11 | 1.25 | | |
| 8.6 | 583 | 162.31 | 11 | 1.30 | **GFA67** | |
| 9.8 | 511 | 142.40 | 12 | 1.50 | **GFAF67** | |
| 12 | 434 | 120.79 | 12 | 1.75 | **GF67** | **4P** |
| 13 | 391 | 109.04 | 12 | 1.95 | **GFF67** | |
| 14 | 344 | 95.94 | 12 | 2.20 | | |
| 15 | 325 | 90.59 | 12 | 2.30 | | |
| 17 | 286 | 79.76 | 12 | 2.70 | | |
| 8.8 | 564 | 157.09 | 8.7 | 1.00 | | |
| 10 | 489 | 136.16 | 9.3 | 1.15 | | |
| 11 | 457 | 127.27 | 9.5 | 1.20 | **GFA57** | |
| 13 | 395 | 110.01 | 10 | 1.40 | **GFAF57** | |
| 15 | 336 | 93.47 | 10 | 1.65 | **GF57** | **4P** |
| 17 | 300 | 83.46 | 10 | 1.85 | **GFF57** | |
| 19 | 262 | 72.98 | 11 | 2.10 | | |
| 20 | 245 | 68.22 | 11 | 2.30 | | |
| 24 | 212 | 58.97 | 11 | 2.60 | | |
| 13 | 377 | 105.09 | 5.5 | 1.00 | | |
| 16 | 321 | 89.29 | 6.3 | 1.15 | | |
| 17 | 286 | 79.72 | 6.6 | 1.30 | **GFA47** | |
| 20 | 244 | 68.09 | 7.0 | 1.50 | **GFAF47** | |
| 21 | 235 | 65.36 | 7.1 | 1.60 | **GF47** | **4P** |
| 25 | 203 | 56.49 | 7.3 | 1.85 | **GFF47** | |
| 29 | 172 | 48.00 | 7.3 | 2.20 | | |
| 32 | 154 | 42.86 | 7.5 | 2.40 | | |
| 24 | 209 | 58.32 | 3.7 | 0.90 | | |
| 25 | 196 | 54.54 | 3.9 | 0.95 | | |
| 27 | 186 | 51.70 | 4.1 | 1.00 | | |
| 30 | 169 | 47.02 | 4.3 | 1.10 | **GFA37** | |
| 32 | 158 | 43.95 | 4.4 | 1.20 | **GFAF37** | |
| 36 | 138 | 38.31 | 4.7 | 1.35 | **GF37** | **4P** |
| 39 | 129 | 35.91 | 4.7 | 1.45 | **GFF37** | |
| 44 | 114 | 31.69 | 4.7 | 1.65 | | |
| 49 | 101 | 28.10 | 4.6 | 1.85 | | |
| 58 | 86 | 23.88 | 4.5 | 2.20 | | |
| 59 | 85 | 23.63 | 4.5 | 2.20 | | |
| 68 | 74 | 20.57 | 4.3 | 2.50 | **GFA37** | |
| 72 | 69 | 19.27 | 4.2 | 2.70 | **GFAF37** | |
| 82 | 61 | 17.03 | 4.1 | 3.00 | **GF37** | **4P** |
| 97 | 51 | 14.33 | 3.9 | 3.60 | **GFF37** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 0.50 | 12928 | 2780 | 108 | 1.45 | **GFA157R97** **GFAF157R97** **GF157R97** **GFF157R97** | **4P** |
| 0.57 | 11287 | 2427 | 110 | 1.70 | **GFA157R97** | |
| 0.83 | 7785 | 1674 | 114 | 2.40 | **GFAF157R97** | **4P** |
| 1.1 | 6083 | 1308 | 114 | 3.10 | **GF157R97** | |
| 1.2 | 5436 | 1169 | 114 | 3.50 | **GFF157R97** | |
| 0.46 | 14082 | 3028 | 83 | 0.85 | **GFA127R77** **GFAF127R77** **GF127R77** **GFF127R77** | **4P** |
| 0.52 | 12412 | 2669 | 85 | 0.95 | **GFA127R77** | |
| 0.59 | 10947 | 2354 | 86 | 1.10 | **GFAF127R77** | |
| 0.68 | 9464 | 2035 | 86 | 1.25 | **GF127R77** | **4P** |
| 0.78 | 8287 | 1782 | 86 | 1.45 | **GFF127R77** | |
| 0.87 | 7464 | 1605 | 86 | 1.60 | | |
| 0.76 | 8492 | 1826 | 46 | 0.90 | | |
| 0.87 | 7427 | 1597 | 48 | 1.05 | | |
| 0.99 | 6515 | 1401 | 50 | 1.20 | **GFA107R77** | |
| 1.1 | 5781 | 1243 | 52 | 1.35 | **GFAF107R77** | |
| 1.3 | 5055 | 1087 | 53 | 1.50 | **GF107R77** | **4P** |
| 1.5 | 4418 | 950 | 55 | 1.75 | **GFF107R77** | |
| 1.7 | 3878 | 834 | 56 | 2.00 | | |
| 2.2 | 2976 | 640 | 57 | 2.60 | | |
| 3.2 | 2028 | 436 | 59 | 3.85 | | |
| 1.4 | 4753 | 1022 | 22 | 0.90 | | |
| 1.5 | 4176 | 898 | 29 | 1.00 | | |
| 1.8 | 3651 | 785 | 30 | 1.20 | **GFA97R57** | |
| 2.0 | 3209 | 690 | 31 | 1.35 | **GFAF97R57** | |
| 2.3 | 2814 | 605 | 32 | 1.55 | **GF97R57** | **4P** |
| 2.6 | 2460 | 529 | 33 | 1.75 | **GFF97R57** | |
| 3.0 | 2172 | 467 | 33 | 2.00 | | |
| 3.4 | 1888 | 406 | 34 | 2.30 | | |
| 3.8 | 1688 | 363 | 34 | 2.55 | | |
| 2.1 | 3134 | 674 | 14 | 0.95 | **GFA87R57** | |
| 2.3 | 2832 | 609 | 22 | 1.05 | **GFAF87R57** | |
| 2.7 | 2395 | 515 | 24 | 1.25 | **GF87R57** | **4P** |
| 3.1 | 2102 | 452 | 25 | 1.45 | **GFF87R57** | |
| 4.0 | 1604 | 345 | 26 | 1.85 | | |
| 3.8 | 1707 | 367 | 13 | 0.85 | **GFA77R37** | |
| 4.3 | 1502 | 323 | 15 | 1.00 | **GFAF77R37** | **4P** |
| 5.0 | 1302 | 280 | 16 | 1.15 | **GF77R37** **GFF77R37** | |
| 2.7 | 2509 | 254.40 | 58 | 3.00 | **GFA107** **GFAF107** **GF107** **GFF107** | **8P** |
| 2.5 | 2729 | 276.77 | 32 | 1.55 | **GFA97** | |
| 2.7 | 2499 | 253.41 | 32 | 1.70 | **GFAF97** | **8P** |
| 3.1 | 2208 | 223.88 | 33 | 1.90 | **GF97** **GFF97** | |
| 3.3 | 2070 | 276.77 | 33 | 1.95 | **GFA97** | |
| 3.6 | 1895 | 253.41 | 34 | 2.10 | **GFAF97** | **6P** |
| 4.1 | 1674 | 223.88 | 34 | 2.40 | **GF97** **GFF97** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 3.4 | 2024 | 270.68 | 25 | 1.40 | | |
| 3.6 | 1909 | 255.37 | 25 | 1.50 | **GFA87** | |
| 4.0 | 1712 | 228.93 | 26 | 1.65 | **GFAF87** | |
| 4.6 | 1475 | 197.20 | 26 | 1.90 | **GF87** | **6P** |
| 5.1 | 1346 | 179.97 | 27 | 2.10 | **GFF87** | |
| 5.7 | 1193 | 159.61 | 27 | 2.40 | | |
| 5.1 | 1325 | 270.68 | 27 | 2.10 | **GFA87** | |
| 5.4 | 1250 | 255.37 | 27 | 2.30 | **GFAF87** | |
| 6.1 | 1121 | 228.93 | 27 | 2.50 | **GF87** | **4P** |
| | | | | | **GFF87** | |
| 4.6 | 1483 | 198.31 | 14 | 0.95 | | |
| 4.8 | 1409 | 188.40 | 15 | 1.00 | **GFA77** | |
| 5.5 | 1245 | 166.47 | 16 | 1.15 | **GFAF77** | |
| 6.4 | 1064 | 142.27 | 17 | 1.30 | **GF77** | **6P** |
| 7.0 | 975 | 130.42 | 17 | 1.45 | **GFF77** | |
| 6.2 | 1105 | 225.79 | 17 | 1.30 | **GFA77** | |
| 7.0 | 971 | 198.31 | 17 | 1.45 | **GFAF77** | |
| 7.4 | 922 | 188.40 | 17 | 1.55 | **GF77** | **4P** |
| | | | | | **GFF77** | |
| 8.3 | 815 | 166.47 | 18 | 1.75 | **GFA77** | |
| 9.8 | 696 | 142.27 | 18 | 2.00 | **GFAF77** | |
| 11 | 638 | 130.42 | 18 | 2.20 | **GF77** | **4P** |
| 12 | 560 | 114.45 | 19 | 2.50 | **GFF77** | |
| 13 | 531 | 108.46 | 19 | 2.70 | | |
| 8.1 | 810 | 170.85 | 9.2 | 0.90 | **GFA67** | |
| 8.6 | 769 | 162.31 | 10 | 0.95 | **GFAF67** | |
| 9.8 | 675 | 142.40 | 10 | 1.10 | **GF67** | **4P** |
| 12 | 573 | 120.79 | 11 | 1.30 | **GFF67** | |
| 13 | 517 | 109.04 | 11 | 1.45 | | |
| 14 | 455 | 95.94 | 12 | 1.65 | **GFA67** | |
| 15 | 429 | 90.59 | 12 | 1.75 | **GFAF67** | |
| 17 | 378 | 79.76 | 12 | 2.00 | **GF67** | **4P** |
| 21 | 321 | 67.65 | 12 | 2.30 | **GFF67** | |
| 23 | 290 | 61.07 | 12 | 2.60 | | |
| 11 | 603 | 127.27 | 5.0 | 0.90 | | |
| 13 | 522 | 110.01 | 8.9 | 1.05 | | |
| 15 | 443 | 93.47 | 10 | 1.25 | **GFA57** | |
| 17 | 396 | 83.46 | 10 | 1.40 | **GFAF57** | |
| 19 | 346 | 72.98 | 10 | 1.60 | **GF57** | **4P** |
| 20 | 323 | 68.22 | 10 | 1.70 | **GFF57** | |
| 24 | 280 | 58.97 | 11 | 1.95 | | |
| 28 | 238 | 50.10 | 11 | 2.30 | | |
| 31 | 212 | 44.73 | 11 | 2.60 | | |
| 17 | 378 | 79.72 | 4.8 | 0.95 | **GFA47** | |
| 20 | 323 | 68.09 | 6.2 | 1.15 | **GFAF47** | |
| 21 | 310 | 65.36 | 6.3 | 1.20 | **GF47** | **4P** |
| | | | | | **GFF47** | |
| 25 | 268 | 56.49 | 6.8 | 1.35 | | |
| 29 | 228 | 48.00 | 7.1 | 1.60 | **GFA47** | |
| 32 | 203 | 42.86 | 7.3 | 1.80 | **GFAF47** | |
| 38 | 174 | 36.61 | 7.4 | 2.10 | **GF47** | **4P** |
| 41 | 163 | 34.29 | 7.5 | 2.20 | **GFF47** | |
| 48 | 137 | 28.88 | 7.2 | 2.70 | | |
| 30 | 223 | 47.02 | 3.4 | 0.80 | | |
| 32 | 208 | 43.95 | 3.7 | 0.90 | **GFA37** | |
| 36 | 182 | 38.31 | 4.1 | 1.00 | **GFAF37** | |
| 39 | 170 | 35.91 | 4.3 | 1.05 | **GF37** | **4P** |
| 44 | 150 | 31.69 | 4.4 | 1.20 | **GFF37** | |
| 49 | 133 | 28.10 | 4.3 | 1.35 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **0.75kW** | | | | | | |
| 59 | 112 | 23.63 | 4.2 | 1.65 | | |
| 68 | 98 | 20.57 | 4.1 | 1.85 | **GFA37** | |
| 72 | 91 | 19.27 | 4.0 | 2.00 | **GFAF37** | |
| 82 | 81 | 17.03 | 3.9 | 2.30 | **GF37** | **4P** |
| 97 | 68 | 14.33 | 3.8 | 2.70 | **GFF37** | |
| 108 | 61 | 12.87 | 3.7 | 3.00 | | |
| **1.1kW** | | | | | | |
| 0.50 | 18826 | 2780 | 95 | 0.95 | **GFA157R97** **GFAF157R97** **GF157R97** **GFF157R97** | **4P** |
| 0.58 | 16436 | 2427 | 101 | 1.10 | | |
| 0.64 | 14797 | 2185 | 104 | 1.20 | | |
| 0.72 | 13165 | 1944 | 107 | 1.35 | | |
| 0.84 | 11336 | 1674 | 110 | 1.60 | **GFA157R97** | |
| 1.1 | 8858 | 1308 | 113 | 2.00 | **GFAF157R97** | |
| 1.2 | 7916 | 1169 | 114 | 2.25 | **GF157R97** | **4P** |
| 1.5 | 6454 | 953 | 114 | 2.75 | **GFF157R97** | |
| 1.7 | 5722 | 845 | 114 | 3.15 | | |
| 3.1 | 3020 | 446 | 114 | 5.95 | | |
| 4.6 | 2045 | 302 | 114 | 8.65 | | |
| 0.69 | 13781 | 2035 | 83 | 0.85 | | |
| 0.79 | 12068 | 1782 | 86 | 1.00 | **GFA127R77** | |
| 0.87 | 10869 | 1605 | 86 | 1.10 | **GFAF127R77** | |
| 1.0 | 9406 | 1389 | 86 | 1.25 | **GF127R77** | **4P** |
| 1.1 | 8255 | 1219 | 86 | 1.45 | **GFF127R77** | |
| 1.3 | 7280 | 1075 | 86 | 1.65 | | |
| 1.1 | 8418 | 1243 | 46 | 0.95 | | |
| 1.3 | 7361 | 1087 | 48 | 1.05 | **GFA107R77** | |
| 1.5 | 6433 | 950 | 50 | 1.20 | **GFAF107R77** | |
| 1.7 | 5648 | 834 | 52 | 1.40 | **GF107R77** | **4P** |
| 1.9 | 4984 | 736 | 54 | 1.55 | **GFF107R77** | |
| 2.2 | 4334 | 640 | 55 | 1.80 | | |
| 2.0 | 4673 | 690 | 26 | 0.90 | | |
| 2.3 | 4097 | 605 | 29 | 1.05 | **GFA97R57** | |
| 2.6 | 3582 | 529 | 30 | 1.20 | **GFAF97R57** | |
| 3.0 | 3163 | 467 | 31 | 1.35 | **GF97R57** | **4P** |
| 3.4 | 2749 | 406 | 32 | 1.55 | **GFF97R57** | |
| 3.9 | 2458 | 363 | 33 | 1.75 | | |
| 3.1 | 3061 | 452 | 16 | 1.00 | **GFA87R57** | |
| 4.1 | 2336 | 345 | 24 | 1.30 | **GFAF87R57** | |
| 4.7 | 2032 | 300 | 25 | 1.50 | **GF87R57** | **4P** |
| 5.6 | 1686 | 249 | 26 | 1.80 | **GFF87R57** | |
| 2.7 | 3679 | 254.40 | 56 | 1.95 | **GFA107** | |
| 3.2 | 3115 | 215.37 | 57 | 2.30 | **GFAF107** | |
| 3.5 | 2883 | 199.31 | 57 | 2.50 | **GF107** | **8P** |
| 3.9 | 2584 | 178.64 | 58 | 2.80 | **GFF107** | |
| 3.3 | 3035 | 276.77 | 31 | 1.35 | **GFA97** | |
| 3.6 | 2779 | 253.41 | 32 | 1.50 | **GFAF97** | |
| 4.1 | 2455 | 223.88 | 33 | 1.70 | **GF97** | **6P** |
| 4.8 | 2083 | 189.92 | 33 | 2.00 | **GFF97** | |
| 5.2 | 1918 | 174.87 | 34 | 2.20 | | |
| 5.1 | 1973 | 276.77 | 33 | 2.10 | **GFA97** | |
| 5.5 | 1806 | 253.41 | 34 | 2.30 | **GFAF97** | |
| 6.3 | 1596 | 223.88 | 34 | 2.60 | **GF97** **GFF97** | **4P** |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 3.4 | 2968 | 270.68 | 15 | 0.95 | | |
| 3.6 | 2801 | 255.37 | 22 | 1.05 | **GFA87** | |
| 4.0 | 2511 | 228.93 | 23 | 1.15 | **GFAF87** | |
| 4.6 | 2163 | 197.20 | 24 | 1.35 | **GF87** | **6P** |
| 5.1 | 1974 | 179.97 | 25 | 1.45 | **GFF87** | |
| 5.7 | 1750 | 159.61 | 26 | 1.65 | | |
| 5.2 | 1930 | 270.68 | 25 | 1.50 | **GFA87** | |
| 5.5 | 1820 | 255.37 | 25 | 1.55 | **GFAF87** | |
| 6.1 | 1632 | 228.93 | 26 | 1.75 | **GF87** | **4P** |
| 7.1 | 1406 | 197.20 | 27 | 2.00 | **GFF87** | |
| 7.8 | 1283 | 179.97 | 27 | 2.20 | **GFA87** | |
| 8.8 | 1138 | 159.61 | 27 | 2.50 | **GFAF87** | |
| 10 | 956 | 134.16 | 28 | 3.00 | **GF87** | **4P** |
| 11 | 879 | 123.29 | 28 | 3.20 | **GFF87** | |
| 7.1 | 1414 | 198.31 | 15 | 1.00 | **GFA77** | |
| 7.4 | 1343 | 188.40 | 15 | 1.05 | **GFAF77** | |
| 8.4 | 1187 | 166.47 | 16 | 1.20 | **GF77** | **4P** |
| 9.8 | 1014 | 142.27 | 17 | 1.40 | **GFF77** | |
| 11 | 930 | 130.42 | 17 | 1.55 | | |
| 12 | 816 | 114.45 | 18 | 1.75 | **GFA77** | |
| 13 | 773 | 108.46 | 18 | 1.85 | **GFAF77** | |
| 15 | 677 | 94.93 | 18 | 2.10 | **GF77** | **4P** |
| 16 | 610 | 85.52 | 18 | 2.30 | **GFF77** | |
| 19 | 535 | 75.02 | 19 | 2.70 | | |
| 12 | 861 | 120.79 | 9.0 | 0.90 | | |
| 13 | 777 | 109.04 | 10 | 1.00 | | |
| 15 | 684 | 95.94 | 11 | 1.15 | | |
| 15 | 646 | 90.59 | 11 | 1.20 | | |
| 18 | 569 | 79.76 | 11 | 1.35 | **GFA67** | |
| 21 | 482 | 67.65 | 12 | 1.60 | **GFAF67** | |
| 23 | 435 | 61.07 | 12 | 1.80 | **GF67** | **4P** |
| 26 | 383 | 53.73 | 12 | 2.00 | **GFF67** | |
| 28 | 362 | 50.74 | 12 | 2.20 | | |
| 32 | 308 | 43.20 | 12 | 2.50 | | |
| 36 | 280 | 39.26 | 12 | 2.70 | | |
| 41 | 242 | 34.01 | 12 | 2.90 | | |
| 17 | 595 | 83.46 | 8.0 | 0.95 | | |
| 19 | 520 | 72.98 | 9.1 | 1.10 | | |
| 21 | 486 | 68.22 | 9.3 | 1.15 | **GFA57** | |
| 24 | 420 | 58.97 | 10 | 1.35 | **GFAF57** | |
| 28 | 357 | 50.10 | 10 | 1.60 | **GF57** | **4P** |
| 31 | 319 | 44.73 | 10 | 1.80 | **GFF57** | |
| 37 | 272 | 38.21 | 10 | 2.10 | | |
| 39 | 255 | 35.79 | 10 | 2.20 | | |
| 46 | 215 | 30.15 | 9.3 | 2.60 | | |
| 25 | 403 | 56.49 | 3.5 | 0.95 | **GFA47** **GFAF47** | |
| 29 | 342 | 48.00 | 6.1 | 1.10 | **GF47** **GFF47** | **4P** |
| 33 | 306 | 42.86 | 6.5 | 1.25 | **GFA47** | |
| 38 | 261 | 36.61 | 6.9 | 1.45 | **GFAF47** | |
| 41 | 244 | 34.29 | 6.9 | 1.55 | **GF47** | **4P** |
| 48 | 206 | 28.88 | 6.7 | 1.85 | **GFF47** | |
| 45 | 220 | 30.86 | 6.8 | 1.75 | **GFA47** | |
| 48 | 209 | 29.32 | 6.7 | 1.80 | **GFAF47** | |
| 54 | 183 | 25.72 | 6.5 | 2.10 | **GF47** | **4P** |
| 64 | 156 | 21.82 | 6.3 | 2.40 | **GFF47** | |
| 71 | 140 | 19.70 | 6.2 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.1kW** | | | | | | |
| 44 | 226 | 31.69 | 3.5 | 0.85 | **GFA37** | |
| 50 | 200 | 28.10 | 3.8 | 0.95 | **GFAF37** | |
| 59 | 170 | 23.88 | 3.7 | 1.10 | **GF37** | **4P** |
| | | | | | **GFF37** | |
| 68 | 147 | 20.57 | 3.7 | 1.30 | | |
| 73 | 137 | 19.27 | 3.6 | 1.40 | | |
| 82 | 121 | 17.03 | 3.6 | 1.55 | **GFA37** | |
| 98 | 102 | 14.33 | 3.5 | 1.85 | **GFAF37** | **4P** |
| 109 | 92 | 12.87 | 3.4 | 2.10 | **GF37** | |
| 126 | 79 | 11.08 | 3.3 | 2.30 | **GFF37** | |
| 134 | 74 | 10.42 | 3.3 | 2.40 | | |
| 156 | 64 | 8.97 | 3.2 | 2.60 | | |
| **1.5kW** | | | | | | |
| 0.58 | 22412 | 2427 | 82 | 0.80 | | |
| 0.64 | 20177 | 2185 | 90 | 0.90 | | |
| 0.72 | 17952 | 1944 | 97 | 1.00 | | |
| 0.84 | 15459 | 1674 | 102 | 1.15 | **GFA157R97** | |
| 1.1 | 12079 | 1308 | 109 | 1.50 | **GFAF157R97** | |
| 1.2 | 10795 | 1169 | 111 | 1.65 | **GF157R97** | **4P** |
| 1.5 | 8800 | 953 | 113 | 2.05 | **GFF157R97** | |
| 1.7 | 7803 | 845 | 114 | 2.30 | | |
| 3.1 | 4119 | 446 | 114 | 4.35 | | |
| 4.6 | 2789 | 302 | 114 | 6.35 | | |
| 0.87 | 14821 | 1605 | 81 | 0.80 | | |
| 1.0 | 12827 | 1389 | 85 | 0.95 | | |
| 1.1 | 11257 | 1219 | 86 | 1.05 | **GFA127R77** | |
| 1.3 | 9927 | 1075 | 86 | 1.20 | **GFAF127R77** | |
| 1.5 | 8579 | 929 | 86 | 1.40 | **GF127R77** | **4P** |
| 1.7 | 7563 | 819 | 86 | 1.60 | **GFF127R77** | |
| 1.9 | 6704 | 726 | 86 | 1.80 | | |
| 2.2 | 5975 | 647 | 86 | 2.05 | | |
| 1.5 | 8773 | 950 | 45 | 0.90 | | |
| 1.7 | 7702 | 834 | 47 | 1.00 | | |
| 1.9 | 6797 | 736 | 50 | 1.15 | **GFA107R77** | |
| 2.2 | 5910 | 640 | 52 | 1.30 | **GFAF107R77** | |
| 2.5 | 5171 | 560 | 53 | 1.50 | **GF107R77** | **4P** |
| 2.9 | 4516 | 489 | 55 | 1.75 | **GFF107R77** | |
| 3.2 | 4026 | 436 | 55 | 1.95 | | |
| 3.8 | 3417 | 370 | 57 | 2.30 | | |
| 2.6 | 4885 | 529 | 19 | 0.90 | **GFA97R57** | |
| 3.0 | 4313 | 467 | 28 | 1.00 | **GFAF97R57** | |
| 3.4 | 3749 | 406 | 30 | 1.15 | **GF97R57** | **4P** |
| 3.9 | 3352 | 363 | 31 | 1.30 | **GFF97R57** | |
| 4.7 | 2770 | 300 | 23 | 1.10 | **GFA87R57** **GFAF87R57** | |
| 5.6 | 2299 | 249 | 24 | 1.30 | **GF87R57** **GFF87R57** | **4P** |
| 2.7 | 5091 | 254.40 | 53 | 1.50 | **GFA107** | |
| 3.2 | 4310 | 215.37 | 55 | 1.75 | **GFAF107** | |
| 3.4 | 3989 | 199.31 | 55 | 1.90 | **GF107** | **8P** |
| 3.8 | 3575 | 178.64 | 56 | 2.10 | **GFF107** | |
| 3.7 | 3683 | 254.40 | 56 | 1.95 | **GFA107** | |
| 4.4 | 3118 | 215.37 | 57 | 2.30 | **GFAF107** | |
| 4.7 | 2885 | 199.31 | 57 | 2.50 | **GF107** | **6P** |
| 5.3 | 2586 | 178.64 | 58 | 2.80 | **GFF107** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 3.4 | 4007 | 276.77 | 28 | 1.00 | **GFA97 GFAF97 GF97 GFF97** | **6P** |
| 3.7 | 3669 | 253.41 | 29 | 1.10 | | |
| 4.2 | 3241 | 223.88 | 30 | 1.25 | | |
| 4.9 | 2750 | 189.92 | 32 | 1.45 | | |
| 5.4 | 2532 | 174.87 | 32 | 1.60 | | |
| 5.1 | 2690 | 276.77 | 32 | 1.55 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 5.5 | 2463 | 253.41 | 33 | 1.65 | | |
| 6.3 | 2176 | 223.88 | 33 | 1.90 | | |
| 7.4 | 1846 | 189.92 | 34 | 2.20 | | |
| 8.0 | 1700 | 174.87 | 34 | 2.40 | | |
| 5.2 | 2631 | 270.68 | 23 | 1.10 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 5.5 | 2482 | 255.37 | 23 | 1.15 | | |
| 6.1 | 2225 | 228.93 | 24 | 1.30 | | |
| 7.1 | 1917 | 197.20 | 25 | 1.50 | | |
| 7.8 | 1749 | 179.97 | 26 | 1.65 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 8.8 | 1551 | 159.61 | 26 | 1.85 | | |
| 10 | 1304 | 134.16 | 27 | 2.20 | | |
| 13 | 1064 | 109.49 | 27 | 2.70 | | |
| 14 | 952 | 97.89 | 28 | 3.00 | | |
| 8.4 | 1618 | 166.47 | 14 | 0.90 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 9.8 | 1383 | 142.27 | 15 | 1.05 | | |
| 11 | 1268 | 130.42 | 16 | 1.15 | | |
| 12 | 1113 | 114.45 | 17 | 1.30 | | |
| 13 | 1054 | 108.46 | 17 | 1.35 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 15 | 923 | 94.93 | 17 | 1.55 | | |
| 16 | 831 | 85.52 | 18 | 1.75 | | |
| 19 | 729 | 75.02 | 18 | 1.95 | | |
| 19 | 705 | 72.50 | 18 | 2.00 | | |
| 21 | 646 | 66.46 | 18 | 2.20 | | |
| 24 | 567 | 58.32 | 19 | 2.50 | | |
| 25 | 537 | 55.27 | 19 | 2.70 | | |
| 29 | 470 | 48.37 | 19 | 3.00 | | |
| 32 | 424 | 43.58 | 19 | 3.40 | | |
| 37 | 372 | 38.23 | 19 | 3.90 | | |
| 38 | 356 | 36.58 | 19 | 3.00 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 44 | 306 | 31.51 | 19 | 4.30 | | |
| 15 | 881 | 90.59 | 8.8 | 0.90 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 18 | 775 | 79.76 | 10 | 1.00 | | |
| 21 | 658 | 67.65 | 11 | 1.20 | | |
| 23 | 594 | 61.07 | 11 | 1.30 | | |
| 26 | 522 | 53.73 | 12 | 1.50 | | |
| 28 | 493 | 50.74 | 12 | 1.60 | | |
| 32 | 420 | 43.20 | 12 | 1.85 | | |
| 36 | 382 | 39.26 | 12 | 1.95 | | |
| 39 | 353 | 36.30 | 12 | 2.20 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 44 | 312 | 32.08 | 12 | 2.50 | | |
| 51 | 266 | 27.41 | 12 | 2.90 | | |
| 56 | 244 | 25.13 | 12 | 3.20 | | |
| 24 | 573 | 58.97 | 8.7 | 1.00 | **GFA57 GFAF57 GF57 GFF57** | **4P** |
| 28 | 487 | 50.10 | 9.4 | 1.20 | | |
| 31 | 435 | 44.73 | 9.5 | 1.30 | | |
| 37 | 371 | 38.21 | 9.3 | 1.55 | | |
| 39 | 348 | 35.79 | 9.1 | 1.65 | | |
| 46 | 293 | 30.15 | 8.8 | 1.95 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **1.5kW** | | | | | | |
| 33 | 417 | 42.86 | 0.5 | 0.90 | **GFA47 GFAF47 GF47 GFF47** | **4P** |
| 38 | 356 | 36.61 | 6.0 | 1.10 | | |
| 41 | 333 | 34.29 | 6.3 | 1.15 | | |
| 48 | 281 | 28.88 | 6.2 | 1.35 | | |
| 45 | 300 | 30.86 | 6.2 | 1.30 | **GFA47 GFAF47 GF47 GFF47** | **4P** |
| 48 | 285 | 29.32 | 6.2 | 1.35 | | |
| 54 | 250 | 25.72 | 6.1 | 1.55 | | |
| 64 | 212 | 21.82 | 5.9 | 1.80 | | |
| 71 | 191 | 19.70 | 5.8 | 2.00 | | |
| 81 | 168 | 17.33 | 5.7 | 2.30 | | |
| 86 | 159 | 16.36 | 5.6 | 2.40 | | |
| 101 | 135 | 13.93 | 5.4 | 2.80 | | |
| 68 | 200 | 20.57 | 3.2 | 0.95 | **GFA37 GFAF37 GF37 GFF37** | **4P** |
| 73 | 187 | 19.27 | 3.2 | 1.00 | | |
| 82 | 166 | 17.03 | 3.2 | 1.15 | | |
| 98 | 139 | 14.33 | 3.2 | 1.35 | | |
| 109 | 125 | 12.87 | 3.1 | 1.55 | | |
| 126 | 108 | 11.08 | 3.1 | 1.70 | | |
| 134 | 101 | 10.42 | 3.1 | 1.75 | | |
| 156 | 87 | 8.97 | 3.0 | 1.90 | | |
| 174 | 78 | 8.03 | 2.9 | 2.10 | | |
| **2.2kW** | | | | | | |
| 0.99 | 19107 | 1441 | 93 | 0.95 | **GFA157R97 GFAF157R97 GF157R97 GFF157R97** | **4P** |
| 1.1 | 17344 | 1308 | 96 | 1.05 | **GFA157R97 GFAF157R97 GF157R97 GFF157R97** | **4P** |
| 1.2 | 15501 | 1169 | 101 | 1.15 | | |
| 1.5 | 12637 | 953 | 107 | 1.40 | | |
| 1.7 | 11205 | 845 | 110 | 1.60 | | |
| 1.9 | 10130 | 764 | 111 | 1.75 | | |
| 2.1 | 9017 | 680 | 113 | 1.95 | | |
| 2.5 | 7638 | 576 | 114 | 2.30 | | |
| 3.2 | 5914 | 446 | 114 | 3.00 | | |
| 4.7 | 4004 | 302 | 114 | 4.40 | | |
| 5.2 | 3620 | 273 | 114 | 4.85 | | |
| 6.2 | 3076 | 232 | 114 | 5.70 | | |
| 7.3 | 2612 | 197 | 114 | 6.90 | | |
| 1.3 | 14254 | 1075 | 81 | 0.85 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 1.5 | 12318 | 929 | 85 | 1.00 | | |
| 1.7 | 10860 | 819 | 86 | 1.10 | | |
| 2.0 | 9627 | 726 | 86 | 1.25 | | |
| 2.2 | 8579 | 647 | 86 | 1.40 | | |
| 2.6 | 7266 | 548 | 86 | 1.65 | | |
| 2.9 | 6550 | 494 | 86 | 1.80 | | |
| 3.3 | 5675 | 428 | 86 | 2.10 | | |
| 2.2 | 8486 | 640 | 45 | 0.90 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 2.6 | 7425 | 560 | 48 | 1.05 | | |
| 2.9 | 6484 | 489 | 50 | 1.20 | | |
| 3.3 | 5781 | 436 | 51 | 1.35 | | |
| 3.9 | 4906 | 370 | 53 | 1.60 | | |
| 4.3 | 4416 | 333 | 54 | 1.75 | | |
| 5.0 | 3779 | 285 | 30 | 1.15 | **GFA97R57 GFAF97R57 GF97R57 GFF97R57** | **4P** |
| 5.8 | 3249 | 245 | 31 | 1.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 2.8 | 7152 | 254.40 | 47 | 1.00 | **GFA107** | **8P** |
| 3.3 | 6054 | 215.37 | 50 | 1.20 | **GFAF107** | |
| 3.6 | 5603 | 199.31 | 51 | 1.30 | **GF107** | |
| 4.0 | 5022 | 178.64 | 53 | 1.45 | **GFF107** | |
| 3.7 | 5402 | 254.40 | 52 | 1.35 | **GFA107** | **6P** |
| 4.4 | 4573 | 215.37 | 54 | 1.60 | **GFAF107** | |
| 4.7 | 4232 | 199.31 | 55 | 1.70 | **GF107** | |
| 5.3 | 3793 | 178.64 | 55 | 1.90 | **GFF107** | |
| 5.6 | 3551 | 254.40 | 56 | 2.00 | **GFA107** | **4P** |
| 6.6 | 3006 | 215.37 | 57 | 2.40 | **GFAF107** | |
| 7.2 | 2782 | 199.31 | 57 | 2.60 | **GF107** | |
| 8.0 | 2493 | 178.64 | 58 | 2.90 | **GFF107** | |
| 4.2 | 4754 | 223.88 | 12 | 0.85 | **GFA97** | **6P** |
| 4.9 | 4033 | 189.92 | 29 | 1.00 | **GFAF97** | |
| 5.4 | 3713 | 174.87 | 29 | 1.10 | **GF97** | |
| 6.0 | 3319 | 156.30 | 30 | 1.25 | **GFF97** | |
| 5.2 | 3863 | 276.77 | 29 | 1.05 | | **4P** |
| 5.6 | 3537 | 253.41 | 30 | 1.15 | | |
| 6.4 | 3125 | 223.88 | 31 | 1.30 | **GFA97** | |
| 7.5 | 2651 | 189.92 | 32 | 1.50 | **GFAF97** | |
| 8.2 | 2441 | 174.87 | 32 | 1.65 | **GF97** | |
| 9.1 | 2182 | 156.30 | 33 | 1.85 | **GFF97** | |
| 10 | 1964 | 140.71 | 33 | 2.00 | | |
| 11 | 1778 | 127.42 | 34 | 2.30 | | |
| 7.3 | 2752 | 197.20 | 21 | 1.00 | | **4P** |
| 7.9 | 2512 | 179.97 | 23 | 1.10 | | |
| 9.0 | 2228 | 159.61 | 24 | 1.25 | | |
| 11 | 1873 | 134.16 | 25 | 1.50 | | |
| 12 | 1721 | 123.29 | 26 | 1.65 | **GFA87** | |
| 13 | 1528 | 109.49 | 26 | 1.85 | **GFAF87** | |
| 15 | 1366 | 97.89 | 27 | 2.10 | **GF87** | |
| 16 | 1228 | 88.01 | 27 | 2.30 | **GFF87** | |
| 19 | 1066 | 76.39 | 26 | 2.60 | | |
| 21 | 955 | 68.40 | 26 | 2.90 | | |
| 25 | 792 | 56.75 | 25 | 3.50 | | |
| 28 | 703 | 50.36 | 24 | 3.90 | | |
| 32 | 632 | 45.28 | 23 | 4.20 | | |
| 12 | 1597 | 114.45 | 13 | 0.90 | **GFA77** | **4P** |
| 13 | 1514 | 108.46 | 14 | 0.95 | **GFAF77** | |
| 15 | 1325 | 94.93 | 15 | 1.05 | **GF77** | |
| 17 | 1194 | 85.52 | 16 | 1.20 | **GFF77** | |
| 19 | 1047 | 75.02 | 17 | 1.35 | | **4P** |
| 22 | 928 | 66.46 | 17 | 1.50 | **GFA77** | |
| 25 | 814 | 58.32 | 18 | 1.75 | **GFAF77** | |
| 26 | 771 | 55.27 | 18 | 1.80 | **GF77** | |
| 30 | 675 | 48.37 | 18 | 2.10 | **GFF77** | |
| 33 | 608 | 43.58 | 18 | 2.30 | | |
| 39 | 511 | 36.58 | 19 | 2.00 | **GFA77** | **4P** |
| 45 | 440 | 31.51 | 19 | 2.90 | **GFAF77** | |
| 50 | 401 | 28.75 | 19 | 3.30 | **GF77** | |
| 56 | 356 | 25.50 | 19 | 4.00 | **GFF77** | |
| 23 | 852 | 61.07 | 8.9 | 0.90 | | **4P** |
| 27 | 750 | 53.73 | 10 | 1.00 | **GFA67** | |
| 28 | 708 | 50.74 | 10 | 1.10 | **GFAF67** | |
| 33 | 603 | 43.20 | 11 | 1.25 | **GF67** | |
| 36 | 548 | 39.26 | 11 | 1.35 | **GFF67** | |
| 42 | 475 | 34.01 | 12 | 1.45 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **2.2kW** | | | | | | |
| 45 | 448 | 32.08 | 12 | 1.70 | | **4P** |
| 52 | 383 | 27.41 | 12 | 2.00 | **GFA67** | |
| 57 | 351 | 25.13 | 12 | 2.20 | **GFAF67** | |
| 65 | 308 | 22.05 | 12 | 2.50 | **GF67** | |
| 68 | 292 | 20.90 | 12 | 2.60 | **GFF67** | |
| 78 | 255 | 18.29 | 12 | 3.00 | | |
| 32 | 624 | 44.73 | 4.3 | 0.90 | **GFA57** | **4P** |
| 37 | 533 | 38.21 | 8.2 | 1.05 | **GFAF57** | |
| 40 | 500 | 35.79 | 8.2 | 1.15 | **GF57** | |
| 47 | 421 | 30.15 | 8.0 | 1.30 | **GFF57** | |
| 57 | 348 | 24.96 | 7.8 | 1.55 | **GFA57** | **4P** |
| 68 | 295 | 21.17 | 7.6 | 1.90 | **GFAF57** | |
| 75 | 267 | 19.11 | 7.5 | 2.10 | **GF57** | |
| 85 | 235 | 16.81 | 7.3 | 2.40 | **GFF57** | |
| 90 | 222 | 15.88 | 7.2 | 2.50 | | |
| 56 | 359 | 25.72 | 5.3 | 1.05 | | **4P** |
| 66 | 305 | 21.82 | 5.2 | 1.25 | | |
| 73 | 275 | 19.70 | 5.2 | 1.35 | **GFA47** | |
| 83 | 242 | 17.33 | 5.1 | 1.55 | **GFAF47** | |
| 87 | 228 | 16.36 | 5.1 | 1.65 | **GF47** | |
| 103 | 194 | 13.93 | 5.0 | 1.95 | **GFF47** | |
| 113 | 177 | 12.66 | 4.9 | 2.10 | | |
| 130 | 153 | 10.97 | 4.8 | 2.50 | | |
| 159 | 125 | 8.97 | 4.5 | 2.50 | | |
| 100 | 200 | 14.33 | 2.7 | 0.95 | | **4P** |
| 111 | 180 | 12.87 | 2.7 | 1.05 | | |
| 129 | 155 | 11.08 | 2.7 | 1.15 | | |
| 137 | 145 | 10.42 | 2.7 | 1.20 | | |
| 159 | 125 | 8.97 | 2.7 | 1.30 | **GFA37** | |
| 178 | 112 | 8.03 | 2.6 | 1.40 | **GFAF37** | |
| 212 | 94 | 6.76 | 2.5 | 1.40 | **GF37** | |
| 236 | 85 | 6.07 | 2.5 | 1.50 | **GFF37** | |
| 273 | 73 | 5.23 | 2.4 | 1.60 | | |
| 291 | 69 | 4.92 | 2.4 | 1.65 | | |
| 338 | 59 | 4.23 | 2.3 | 1.75 | | |
| 378 | 53 | 3.78 | 2.3 | 1.85 | | |
| **3kW** | | | | | | |
| 1.2 | 22250 | 1169 | 83 | 0.85 | | **4P** |
| 1.5 | 18139 | 953 | 96 | 1.05 | | |
| 1.7 | 16083 | 845 | 101 | 1.15 | | |
| 1.9 | 14541 | 764 | 105 | 1.30 | **GFA157R97** | |
| 2.1 | 12943 | 680 | 108 | 1.45 | **GFAF157R97** | |
| 2.5 | 10963 | 576 | 111 | 1.70 | **GF157R97** | |
| 3.2 | 8489 | 446 | 114 | 2.20 | **GFF157R97** | |
| 4.7 | 5748 | 302 | 114 | 3.20 | | |
| 5.2 | 5196 | 273 | 114 | 3.55 | | |
| 6.2 | 4416 | 232 | 114 | 4.20 | | |
| 7.3 | 3750 | 197 | 114 | 5.05 | | |
| 2.0 | 13818 | 726 | 83 | 0.90 | **GFA127R77** | **4P** |
| 2.2 | 12314 | 647 | 86 | 1.05 | **GFAF127R77** | |
| 2.6 | 10430 | 548 | 86 | 1.20 | **GF127R77** | |
| 2.9 | 9402 | 494 | 86 | 1.35 | **GFF127R77** | |
| 3.3 | 8298 | 436 | 46 | 1.00 | **GFA107R77** | **4P** |
| 3.9 | 7042 | 370 | 49 | 1.15 | **GFAF107R77** | |
| 4.3 | 6338 | 333 | 51 | 1.30 | **GF107R77** | |
| 4.9 | 5539 | 291 | 53 | 1.45 | **GFF107R77** | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 3.8 | 7213 | 254.40 | 47 | 1.00 | **GFA107 GFAF107 GF107 GFF107** | **6P** |
| 4.5 | 6106 | 215.37 | 50 | 1.15 | | |
| 4.8 | 5651 | 199.31 | 51 | 1.25 | | |
| 5.4 | 5065 | 178.64 | 53 | 1.40 | | |
| 5.6 | 4842 | 254.40 | 53 | 1.50 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 6.6 | 4099 | 215.37 | 55 | 1.75 | | |
| 7.2 | 3794 | 199.31 | 55 | 1.90 | | |
| 8.0 | 3400 | 178.64 | 56 | 2.10 | | |
| 8.9 | 3070 | 161.28 | 57 | 2.30 | | |
| 6.4 | 4261 | 223.88 | 28 | 0.95 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 7.5 | 3615 | 189.92 | 30 | 1.10 | | |
| 8.2 | 3328 | 174.87 | 30 | 1.20 | | |
| 9.1 | 2975 | 156.30 | 31 | 1.35 | | |
| 10 | 2678 | 140.71 | 32 | 1.50 | | |
| 11 | 2425 | 127.42 | 32 | 1.65 | | |
| 13 | 2151 | 112.99 | 33 | 1.85 | | |
| 14 | 1944 | 102.16 | 33 | 2.10 | | |
| 16 | 1710 | 89.85 | 34 | 2.30 | | |
| 11 | 2553 | 134.16 | 23 | 1.10 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 12 | 2347 | 123.29 | 23 | 1.20 | | |
| 13 | 2084 | 109.49 | 24 | 1.35 | | |
| 15 | 1863 | 97.89 | 25 | 1.50 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 16 | 1675 | 88.01 | 26 | 1.65 | | |
| 19 | 1454 | 76.39 | 25 | 1.90 | | |
| 21 | 1302 | 68.40 | 24 | 2.10 | | |
| 25 | 1080 | 56.75 | 24 | 2.60 | | |
| 28 | 959 | 50.36 | 23 | 2.80 | | |
| 17 | 1628 | 85.52 | 13 | 0.85 | **GFA77 GFAF77 GF77** | **4P** |
| 19 | 1428 | 75.02 | 15 | 1.00 | | |
| 22 | 1265 | 66.46 | 16 | 1.10 | | |
| 25 | 1110 | 58.32 | 17 | 1.25 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 26 | 1052 | 55.27 | 17 | 1.35 | | |
| 30 | 921 | 48.37 | 17 | 1.50 | | |
| 33 | 829 | 43.58 | 18 | 1.70 | | |
| 37 | 728 | 38.23 | 18 | 1.90 | | |
| 39 | 696 | 36.58 | 18 | 1.50 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 45 | 600 | 31.51 | 18 | 2.10 | | |
| 50 | 547 | 28.75 | 19 | 2.40 | | |
| 56 | 485 | 25.50 | 19 | 2.90 | | |
| 67 | 408 | 21.43 | 19 | 3.40 | | |
| 33 | 822 | 43.20 | 9 | 0.95 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 36 | 747 | 39.26 | 10 | 0.95 | | |
| 42 | 647 | 34.01 | 11 | 1.05 | | |
| 45 | 611 | 32.08 | 11 | 1.25 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 52 | 522 | 27.41 | 11 | 1.45 | | |
| 57 | 478 | 25.13 | 12 | 1.60 | | |
| 65 | 420 | 22.05 | 12 | 1.80 | | |
| 68 | 398 | 20.90 | 12 | 1.90 | | |
| 78 | 348 | 18.29 | 12 | 2.20 | | |
| 87 | 314 | 16.48 | 12 | 2.40 | | |
| 99 | 275 | 14.46 | 12 | 2.80 | | |
| 57 | 475 | 24.96 | 7.1 | 1.15 | **GFA57 GFAF57 GF57 GFF57** | **4P** |
| 68 | 403 | 21.17 | 7.0 | 1.40 | | |
| 75 | 364 | 19.11 | 6.9 | 1.55 | | |
| 85 | 320 | 16.81 | 6.8 | 1.75 | | |
| 90 | 302 | 15.88 | 6.7 | 1.85 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **3kW** | | | | | | |
| 106 | 257 | 13.52 | 6.5 | 2.20 | **GFA57 GFAF57 GF57 GFF57** | **4P** |
| 116 | 234 | 12.29 | 6.4 | 2.40 | | |
| 134 | 203 | 10.64 | 6.3 | 2.80 | | |
| 73 | 375 | 19.70 | 4.5 | 1.00 | **GFA47 GFAF47 GF47 GFF47** | **4P** |
| 83 | 330 | 17.33 | 4.5 | 1.15 | | |
| 87 | 311 | 16.36 | 4.5 | 1.20 | | |
| 103 | 265 | 13.93 | 4.5 | 1.40 | | |
| 113 | 241 | 12.66 | 4.5 | 1.55 | | |
| 130 | 209 | 10.97 | 4.4 | 1.80 | | |
| 159 | 171 | 8.97 | 4.2 | 1.80 | | |
| 129 | 211 | 11.08 | 2.2 | 0.85 | **GFA37 GFAF37 GF37 GFF37** | **4P** |
| 137 | 198 | 10.42 | 2.2 | 0.85 | | |
| 159 | 171 | 8.97 | 2.3 | 0.95 | | |
| 178 | 153 | 8.03 | 2.3 | 1.05 | | |
| 212 | 129 | 6.76 | 2.2 | 1.00 | | |
| 236 | 116 | 6.07 | 2.2 | 1.10 | | |
| 273 | 100 | 5.23 | 2.2 | 1.15 | | |
| 291 | 94 | 4.92 | 2.2 | 1.20 | | |
| 338 | 81 | 4.23 | 2.1 | 1.25 | | |
| 378 | 72 | 3.78 | 2.1 | 1.35 | | |
| **4kW** | | | | | | |
| 1.7 | 20230 | 845 | 87 | 0.90 | **GFA157R97 GFAF157R97 GF157R97 GFF157R97** | **4P** |
| 1.9 | 18291 | 764 | 93 | 1.00 | | |
| 2.1 | 16280 | 680 | 99 | 1.10 | | |
| 2.5 | 13790 | 576 | 105 | 1.30 | | |
| 3.2 | 10678 | 446 | 110 | 1.70 | | |
| 4.8 | 7230 | 302 | 114 | 2.45 | | |
| 5.3 | 6536 | 273 | 114 | 2.70 | | |
| 6.2 | 5554 | 232 | 114 | 3.20 | | |
| 7.3 | 4716 | 197 | 114 | 3.85 | | |
| 2.6 | 13120 | 548 | 83 | 0.90 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 2.9 | 11827 | 494 | 86 | 1.00 | | |
| 3.4 | 10247 | 428 | 86 | 1.15 | | |
| 3.8 | 8978 | 375 | 86 | 1.30 | | |
| 4.3 | 7972 | 333 | 46 | 1.00 | **GFA107R77 GFAF107R77 GF107R77 GFF107R77** | **4P** |
| 4.9 | 6967 | 291 | 49 | 1.10 | | |
| 5.6 | 6105 | 255 | 51 | 1.30 | | |
| 4.2 | 8601 | 170.64 | 86 | 1.30 | **GFA127 GFAF127 GF127 GFF127** | **8P** |
| 4.7 | 7737 | 153.50 | 86 | 1.45 | | |
| 5.7 | 6312 | 125.23 | 86 | 1.80 | | |
| 5.7 | 6411 | 254.40 | 49 | 1.10 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 6.7 | 5428 | 215.37 | 52 | 1.35 | | |
| 7.2 | 5023 | 199.31 | 53 | 1.45 | | |
| 8.1 | 4502 | 178.64 | 54 | 1.60 | | |
| 8.9 | 4064 | 161.28 | 55 | 1.75 | | |
| 9.8 | 3692 | 146.49 | 56 | 1.95 | | |
| 11 | 3275 | 129.97 | 56 | 2.20 | | |
| 12 | 2972 | 117.94 | 57 | 2.40 | | |
| 14 | 2555 | 101.38 | 58 | 2.80 | | |
| 8.2 | 4407 | 174.87 | 25 | 0.90 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 9.2 | 3939 | 156.30 | 29 | 1.00 | | |
| 10 | 3546 | 140.71 | 30 | 1.15 | | |
| 11 | 3211 | 127.42 | 31 | 1.25 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **4kW** | | | | | | |
| 13 | 2848 | 112.99 | 32 | 1.40 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 14 | 2575 | 102.16 | 32 | 1.55 | | |
| 15 | 2459 | 97.58 | 32 | 1.65 | | |
| 16 | 2264 | 89.85 | 33 | 1.80 | | |
| 18 | 2024 | 80.31 | 33 | 2.00 | | |
| 20 | 1822 | 72.30 | 34 | 2.20 | | |
| 22 | 1650 | 65.47 | 34 | 2.40 | | |
| 13 | 2759 | 109.49 | 21 | 1.00 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 15 | 2467 | 97.89 | 23 | 1.15 | | |
| 16 | 2218 | 88.01 | 23 | 1.25 | | |
| 19 | 1925 | 76.39 | 23 | 1.45 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 21 | 1724 | 68.40 | 23 | 1.65 | | |
| 25 | 1430 | 56.75 | 22 | 1.95 | | |
| 29 | 1269 | 50.36 | 22 | 2.20 | | |
| 32 | 1141 | 45.28 | 21 | 2.30 | | |
| 22 | 1675 | 66.46 | 13 | 0.85 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 25 | 1470 | 58.32 | 14 | 0.95 | | |
| 26 | 1393 | 55.27 | 15 | 1.00 | | |
| 30 | 1219 | 48.37 | 16 | 1.15 | | |
| 33 | 1098 | 43.58 | 17 | 1.30 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 38 | 963 | 38.23 | 17 | 1.45 | | |
| 43 | 850 | 33.74 | 18 | 1.65 | | |
| 48 | 754 | 29.91 | 18 | 1.85 | | |
| 56 | 644 | 25.54 | 18 | 2.10 | | |
| 46 | 794 | 31.51 | 18 | 1.65 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 50 | 725 | 28.75 | 18 | 1.85 | | |
| 56 | 643 | 25.50 | 18 | 2.20 | | |
| 67 | 540 | 21.43 | 19 | 2.60 | | |
| 73 | 496 | 19.70 | 19 | 2.80 | | |
| 53 | 691 | 27.41 | 10 | 1.10 | **GFA67 GFAF67 GF67 GFF67** | **4P** |
| 57 | 633 | 25.13 | 11 | 1.20 | | |
| 65 | 556 | 22.05 | 11 | 1.40 | | |
| 69 | 527 | 20.90 | 11 | 1.45 | | |
| 79 | 461 | 18.29 | 12 | 1.65 | | |
| 87 | 415 | 16.48 | 12 | 1.85 | | |
| 100 | 364 | 14.46 | 12 | 2.10 | | |
| 113 | 322 | 12.76 | 12 | 2.40 | | |
| 127 | 285 | 11.31 | 12 | 2.70 | | |
| 149 | 243 | 9.66 | 12 | 3.20 | | |
| 159 | 229 | 9.08 | 12 | 2.20 | | |
| 167 | 217 | 8.60 | 12 | 2.50 | | |
| 191 | 190 | 7.53 | 12 | 3.00 | | |
| 212 | 171 | 6.78 | 11 | 3.40 | | |
| 242 | 150 | 5.95 | 11 | 3.80 | | |
| 274 | 132 | 5.25 | 11 | 4.20 | | |
| 309 | 117 | 4.66 | 10 | 4.50 | | |
| 363 | 100 | 3.97 | 10 | 4.70 | | |
| 68 | 534 | 21.17 | 6.2 | 1.05 | **GFA57 GFAF57 GF57 GFF57** | **4P** |
| 75 | 482 | 19.11 | 6.2 | 1.15 | | |
| 86 | 424 | 16.81 | 6.1 | 1.35 | | |
| 91 | 400 | 15.88 | 6.1 | 1.40 | | |
| 107 | 341 | 13.52 | 6.0 | 1.65 | | |
| 117 | 310 | 12.29 | 6.0 | 1.80 | | |
| 135 | 268 | 10.64 | 5.8 | 2.10 | | |
| 155 | 235 | 9.31 | 5.6 | 1.70 | | |
| 176 | 206 | 8.19 | 5.4 | 1.90 | | |
| 186 | 195 | 7.73 | 5.4 | 2.00 | | |
| 219 | 166 | 6.58 | 5.2 | 2.40 | | |
| 241 | 151 | 5.98 | 5.1 | 2.60 | | |
| 278 | 131 | 5.18 | 5.0 | 3.00 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 2.5 | 18962 | 576 | 91 | 0.95 | **GFA157R97 GFAF157R97 GF157R97 GFF157R97** | **4P** |
| 2.9 | 16558 | 503 | 98 | 1.10 | | |
| 3.2 | 14682 | 446 | 103 | 1.25 | | |
| 4.1 | 11621 | 353 | 109 | 1.55 | | |
| 4.8 | 9942 | 302 | 111 | 1.80 | | |
| 5.3 | 8987 | 273 | 112 | 1.95 | | |
| 6.2 | 7637 | 232 | 114 | 2.30 | | |
| 7.1 | 6650 | 202 | 114 | 2.65 | | |
| 7.3 | 6485 | 197 | 114 | 2.80 | | |
| 3.4 | 13760 | 418 | 82 | 0.85 | **GFA127R87 GFAF127R87 GF127R87 GFF127R87** | **4P** |
| 3.8 | 12345 | 375 | 85 | 0.95 | | |
| 4.6 | 10271 | 312 | 86 | 1.15 | | |
| 4.9 | 9645 | 293 | 86 | 1.25 | | |
| 5.6 | 8526 | 259 | 86 | 1.40 | | |
| 6.5 | 7341 | 223 | 86 | 1.60 | | |
| 3.4 | 14089 | 428 | 81 | 0.85 | **GFA127R77 GFAF127R77 GF127R77 GFF127R77** | **4P** |
| 3.8 | 12345 | 375 | 85 | 0.95 | | |
| 2.7 | 18534 | 267.43 | 90 | 0.90 | **GFA157 GFAF157 GF157 GFF157** | **8P** |
| 3.3 | 15082 | 217.62 | 100 | 1.10 | | |
| 4.0 | 12350 | 178.20 | 106 | 1.35 | | |
| 4.4 | 11294 | 162.96 | 108 | 1.50 | | |
| 5.1 | 9827 | 141.80 | 111 | 1.70 | | |
| 5.8 | 8673 | 125.14 | 112 | 1.90 | | |
| 6.6 | 7519 | 108.49 | 114 | 2.20 | | |
| 7.5 | 6690 | 96.53 | 114 | 2.50 | | |
| 8.4 | 5946 | 85.80 | 114 | 2.80 | | |
| 9.2 | 5438 | 78.46 | 114 | 3.10 | | |
| 11 | 4732 | 68.28 | 114 | 3.60 | | |
| 4.2 | 11826 | 170.64 | 85 | 0.95 | **GFA127 GFAF127 GF127 GFF127** | **8P** |
| 4.7 | 10638 | 153.50 | 86 | 1.05 | | |
| 5.7 | 8679 | 125.23 | 86 | 1.30 | | |
| 6.3 | 7915 | 114.21 | 86 | 1.40 | | |
| 6.7 | 7463 | 215.37 | 47 | 0.95 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 7.2 | 6906 | 199.31 | 48 | 1.05 | | |
| 8.1 | 6190 | 178.64 | 50 | 1.15 | | |
| 8.9 | 5589 | 161.28 | 51 | 1.30 | | |
| 9.8 | 5076 | 146.49 | 53 | 1.45 | | |
| 11 | 4504 | 129.97 | 54 | 1.60 | | |
| 12 | 4087 | 117.94 | 55 | 1.75 | | |
| 14 | 3513 | 101.38 | 56 | 2.10 | | |
| 16 | 3204 | 92.47 | 57 | 2.30 | | |
| 16 | 3066 | 88.49 | 57 | 2.40 | | |
| 17 | 2910 | 83.99 | 57 | 2.50 | | |
| 11 | 4415 | 127.42 | 26 | 0.90 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 13 | 3915 | 112.99 | 29 | 1.05 | | |
| 14 | 3540 | 102.16 | 30 | 1.15 | | |
| 15 | 3381 | 97.58 | 30 | 1.20 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 16 | 3113 | 89.85 | 31 | 1.30 | | |
| 17 | 3001 | 86.59 | 31 | 1.35 | | |
| 18 | 2783 | 80.31 | 32 | 1.45 | | |
| 19 | 2621 | 75.63 | 32 | 1.55 | | |
| 20 | 2505 | 72.30 | 32 | 1.60 | | |
| 22 | 2269 | 65.47 | 33 | 1.80 | | |
| 25 | 2012 | 58.06 | 33 | 2.00 | | |
| 27 | 1819 | 52.49 | 32 | 2.20 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **5.5kW** | | | | | | |
| 16 | 3050 | 88.01 | 5.5 | 0.95 | **GFA87** | |
| 19 | 2647 | 76.39 | 20 | 1.05 | **GFAF87** | |
| 21 | 2370 | 68.40 | 20 | 1.20 | **GF87** | **4P** |
| 25 | 1966 | 56.75 | 20 | 1.45 | **GFF87** | |
| 29 | 1745 | 50.36 | 20 | 1.60 | | |
| 32 | 1569 | 45.28 | 19 | 1.70 | **GFA87** | |
| 37 | 1362 | 39.30 | 19 | 1.90 | **GFAF87** | |
| 41 | 1219 | 35.19 | 19 | 2.00 | **GF87** | **4P** |
| 49 | 1012 | 29.20 | 18 | 2.30 | **GFF87** | |
| 42 | 1175 | 33.92 | 19 | 2.10 | **GFA87** | |
| 50 | 997 | 28.78 | 18 | 2.30 | **GFAF87** | |
| 54 | 918 | 26.50 | 18 | 3.10 | **GF87** | **4P** |
| 61 | 821 | 23.68 | 17 | 3.50 | **GFF87** | |
| 30 | 1676 | 48.37 | 13 | 0.85 | | |
| 33 | 1510 | 43.58 | 14 | 0.95 | **GFA77** | |
| 38 | 1325 | 38.23 | 15 | 1.05 | **GFAF77** | |
| 43 | 1169 | 33.74 | 16 | 1.20 | **GF77** | **4P** |
| 48 | 1036 | 29.91 | 17 | 1.35 | **GFF77** | |
| 56 | 885 | 25.54 | 18 | 1.55 | | |
| 56 | 884 | 25.50 | 18 | 1.60 | | |
| 67 | 743 | 21.43 | 18 | 1.90 | **GFA77** | |
| 73 | 683 | 19.70 | 18 | 2.10 | **GFAF77** | |
| 82 | 606 | 17.49 | 18 | 2.30 | **GF77** | **4P** |
| 92 | 542 | 15.64 | 19 | 2.60 | **GFF77** | |
| 102 | 487 | 14.06 | 18 | 2.90 | | |
| 118 | 423 | 12.21 | 18 | 3.30 | | |
| 65 | 764 | 22.05 | 10 | 1.00 | | |
| 69 | 724 | 20.90 | 10 | 1.05 | | |
| 79 | 634 | 18.29 | 11 | 1.20 | | |
| 87 | 571 | 16.48 | 11 | 1.35 | | |
| 100 | 501 | 14.46 | 12 | 1.55 | | |
| 113 | 442 | 12.76 | 12 | 1.75 | | |
| 127 | 392 | 11.31 | 12 | 1.95 | **GFA67** | |
| 149 | 335 | 9.66 | 12 | 2.30 | **GFAF67** | |
| 159 | 315 | 9.08 | 12 | 1.60 | **GF67** | **4P** |
| 167 | 298 | 8.60 | 12 | 1.80 | **GFF67** | |
| 191 | 261 | 7.53 | 11 | 2.20 | | |
| 212 | 235 | 6.78 | 11 | 2.50 | | |
| 242 | 206 | 5.95 | 11 | 2.80 | | |
| 274 | 182 | 5.25 | 11 | 3.10 | | |
| 309 | 161 | 4.66 | 10 | 3.30 | | |
| 363 | 138 | 3.97 | 10 | 3.40 | | |
| 86 | 582 | 16.81 | 5.2 | 0.95 | | |
| 91 | 550 | 15.88 | 5.2 | 1.05 | | |
| 107 | 468 | 13.52 | 5.3 | 1.20 | | |
| 117 | 426 | 12.29 | 5.3 | 1.35 | **GFA57** | |
| 135 | 369 | 10.64 | 5.2 | 1.55 | **GFAF57** | |
| 176 | 284 | 8.19 | 4.9 | 1.40 | **GF57** | **4P** |
| 186 | 268 | 7.73 | 4.9 | 1.50 | **GFF57** | |
| 219 | 228 | 6.58 | 4.8 | 1.75 | | |
| 241 | 207 | 5.98 | 4.8 | 1.90 | | |
| 278 | 179 | 5.18 | 4.7 | 2.20 | | |
| **7.5kW** | | | | | | |
| 4.6 | 14006 | 312 | 82 | 0.85 | **GFA127R87** | |
| 4.9 | 13153 | 293 | 83 | 0.90 | **GFAF127R87** | |
| 5.6 | 11627 | 259 | 86 | 1.05 | **GF127R87** | **4P** |
| 6.5 | 10010 | 223 | 86 | 1.20 | **GFF127R87** | |
| 7.3 | 8888 | 198 | 86 | 1.40 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 3.3 | 20566 | 217.62 | 83 | 0.85 | | |
| 4.0 | 16841 | 178.20 | 96 | 1.00 | | |
| 4.4 | 15401 | 162.96 | 100 | 1.10 | | |
| 5.1 | 13401 | 141.80 | 105 | 1.30 | | |
| 5.8 | 11826 | 125.14 | 108 | 1.45 | | |
| 6.6 | 10253 | 108.49 | 110 | 1.65 | **GFA157** | |
| 7.5 | 9123 | 96.53 | 112 | 1.85 | **GFAF157** | |
| 8.4 | 8109 | 85.80 | 113 | 2.10 | **GF157** | **8P** |
| 9.2 | 7415 | 78.46 | 114 | 2.30 | **GFF157** | |
| 11 | 6453 | 68.28 | 114 | 2.70 | | |
| 12 | 5694 | 60.25 | 114 | 3.00 | | |
| 14 | 4937 | 52.24 | 114 | 3.50 | | |
| 15 | 4393 | 46.48 | 114 | 3.90 | | |
| 18 | 3786 | 40.06 | 114 | 4.50 | | |
| 3.6 | 18760 | 267.43 | 89 | 0.90 | | |
| 4.5 | 15266 | 217.62 | 100 | 1.10 | | |
| 5.4 | 12500 | 178.20 | 106 | 1.35 | | |
| 6.0 | 11431 | 162.96 | 108 | 1.50 | | |
| 6.8 | 9947 | 141.80 | 111 | 1.70 | | |
| 7.8 | 8778 | 125.14 | 112 | 1.95 | **GFA157** | |
| 8.9 | 7610 | 108.49 | 114 | 2.20 | **GFAF157** | |
| 10 | 6771 | 96.53 | 114 | 2.50 | **GF157** | **6P** |
| 11 | 6019 | 85.80 | 114 | 2.80 | **GFF157** | |
| 12 | 5504 | 78.46 | 114 | 3.10 | | |
| 14 | 4790 | 68.28 | 114 | 3.50 | | |
| 16 | 4226 | 60.25 | 114 | 4.00 | | |
| 19 | 3665 | 52.24 | 113 | 4.60 | | |
| 5.7 | 11835 | 125.23 | 85 | 0.95 | **GFA127** | |
| 6.3 | 10793 | 114.21 | 86 | 1.05 | **GFAF127** | |
| 7.3 | 9341 | 98.84 | 86 | 1.20 | **GF127** | **8P** |
| 8.3 | 8242 | 87.21 | 86 | 1.40 | **GFF127** | |
| 5.7 | 11970 | 170.64 | 85 | 0.95 | **GFA127** | |
| 6.3 | 10768 | 153.50 | 86 | 1.05 | **GFAF127** | |
| 7.7 | 8785 | 125.23 | 86 | 1.30 | **GF127** | **6P** |
| 8.5 | 8012 | 114.21 | 86 | 1.40 | **GFF127** | |
| 8.4 | 8063 | 170.64 | 86 | 1.40 | **GFA127** | |
| 9.4 | 7253 | 153.50 | 86 | 1.55 | **GFAF127** | |
| 11 | 5917 | 125.23 | 86 | 1.90 | **GF127** | **4P** |
| | | | | | **GFF127** | |
| 8.1 | 8441 | 178.64 | 44 | 0.85 | **GFA107** | |
| 8.9 | 7621 | 161.28 | 46 | 0.95 | **GFAF107** | |
| 9.8 | 6922 | 146.49 | 48 | 1.05 | **GF107** | **4P** |
| 11 | 6141 | 129.97 | 50 | 1.20 | **GFF107** | |
| 12 | 5573 | 117.94 | 51 | 1.30 | | |
| 14 | 4790 | 101.38 | 53 | 1.50 | | |
| 16 | 4369 | 92.47 | 54 | 1.65 | **GFA107** | |
| 16 | 4181 | 88.49 | 55 | 1.75 | **GFAF107** | |
| 17 | 3969 | 83.99 | 55 | 1.85 | **GF107** | **4P** |
| 19 | 3521 | 74.52 | 56 | 2.10 | **GFF107** | |
| 21 | 3195 | 67.62 | 57 | 2.30 | | |
| 15 | 4611 | 97.58 | 18 | 0.90 | | |
| 16 | 4246 | 89.85 | 28 | 0.95 | **GFA97** | |
| 17 | 4092 | 86.59 | 28 | 1.00 | **GFAF97** | |
| 18 | 3795 | 80.31 | 29 | 1.05 | **GF97** | **4P** |
| 19 | 3574 | 75.63 | 30 | 1.15 | **GFF97** | |
| 20 | 3416 | 72.30 | 30 | 1.20 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **7.5kW** | | | | | | |
| 22 | 3094 | 65.47 | 31 | 1.30 | | |
| 25 | 2743 | 58.06 | 30 | 1.50 | **GFA97** | |
| 27 | 2480 | 52.49 | 30 | 1.65 | **GFAF97** | |
| 32 | 2102 | 44.49 | 29 | 1.95 | **GF97** | **4P** |
| 37 | 1836 | 38.86 | 28 | 2.20 | **GFF97** | |
| 44 | 1536 | 32.50 | 27 | 2.60 | | |
| 33 | 2045 | 43.28 | 29 | 1.40 | **GFA97** | |
| 39 | 1731 | 36.64 | 28 | 1.65 | **GFAF97** | |
| 42 | 1602 | 33.91 | 28 | 2.50 | **GF97** | **4P** |
| 47 | 1436 | 30.39 | 27 | 2.80 | **GFF97** | |
| 25 | 2682 | 56.75 | 17 | 1.05 | | |
| 29 | 2380 | 50.36 | 17 | 1.15 | **GFA87** | |
| 32 | 2140 | 45.28 | 17 | 1.25 | **GFAF87** | |
| 37 | 1857 | 39.30 | 17 | 1.40 | **GF87** | **4P** |
| 41 | 1663 | 35.19 | 17 | 1.50 | **GFF87** | |
| 49 | 1380 | 29.20 | 17 | 1.70 | | |
| 50 | 1360 | 28.78 | 17 | 1.70 | | |
| 54 | 1252 | 26.50 | 17 | 2.30 | **GFA87** | |
| 61 | 1119 | 23.68 | 16 | 2.50 | **GFAF87** | |
| 68 | 1007 | 21.32 | 16 | 2.80 | **GF87** | **4P** |
| 75 | 912 | 19.31 | 16 | 3.10 | **GFF87** | |
| 84 | 809 | 17.12 | 15 | 3.50 | | |
| 93 | 731 | 15.48 | 15 | 3.90 | | |
| 43 | 1594 | 33.74 | 14 | 0.90 | **GFA77** | |
| 48 | 1413 | 29.91 | 15 | 1.00 | **GFAF77** | |
| 56 | 1207 | 25.54 | 17 | 1.15 | **GF77** | **4P** |
| | | | | | **GFF77** | |
| 56 | 1205 | 25.50 | 16 | 1.15 | | |
| 67 | 1013 | 21.43 | 17 | 1.40 | | |
| 73 | 931 | 19.70 | 17 | 1.50 | | |
| 82 | 826 | 17.49 | 18 | 1.70 | | |
| 92 | 739 | 15.64 | 18 | 1.90 | | |
| 102 | 664 | 14.06 | 18 | 2.10 | **GFA77** | |
| 118 | 577 | 12.21 | 17 | 2.50 | **GFAF77** | |
| 132 | 516 | 10.93 | 17 | 2.70 | **GF77** | **4P** |
| 155 | 439 | 9.30 | 16 | 2.30 | **GFF77** | |
| 174 | 390 | 8.26 | 15 | 2.60 | | |
| 195 | 349 | 7.39 | 15 | 2.90 | | |
| 217 | 314 | 6.64 | 15 | 3.20 | | |
| 250 | 272 | 5.76 | 14 | 3.70 | | |
| 279 | 244 | 5.16 | 14 | 4.20 | | |
| 336 | 202 | 4.28 | 13 | 4.70 | | |
| **11kW** | | | | | | |
| 4.8 | 19611 | 302 | 88 | 0.90 | **GFA157R97** | |
| 5.3 | 17728 | 273 | 94 | 1.00 | **GFAF157R97** | |
| 6.3 | 15065 | 232 | 102 | 1.15 | **GF157R97** | **4P** |
| 7.2 | 13117 | 202 | 106 | 1.35 | **GFF157R97** | |
| 7.4 | 12793 | 197 | 106 | 1.40 | | |
| 6.5 | 14481 | 223 | 80 | 0.80 | **GFA127R87** | |
| 7.4 | 12857 | 198 | 84 | 0.95 | **GFAF127R87** | **4P** |
| 8.8 | 10779 | 166 | 86 | 1.10 | **GF127R87** | |
| | | | | | **GFF127R87** | |
| 5.1 | 19385 | 141.80 | 87 | 0.85 | **GFA157** | |
| 5.8 | 17108 | 125.14 | 95 | 1.00 | **GFAF157** | |
| 6.7 | 14832 | 108.49 | 101 | 1.15 | **GF157** | **8P** |
| 7.6 | 13197 | 96.53 | 105 | 1.30 | **GFF157** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 5.4 | 18334 | 178.20 | 91 | 0.90 | | |
| 6.0 | 16766 | 162.96 | 96 | 1.00 | | |
| 6.8 | 14589 | 141.80 | 102 | 1.15 | **GFA157** | |
| 7.8 | 12875 | 125.14 | 105 | 1.30 | **GFAF157** | |
| 8.9 | 11162 | 108.49 | 109 | 1.50 | **GF157** | **6P** |
| 10 | 9931 | 96.53 | 111 | 1.70 | **GFF157** | |
| 11 | 8827 | 85.80 | 112 | 1.90 | | |
| 12 | 8072 | 78.46 | 113 | 2.10 | | |
| 5.5 | 18280 | 267.43 | 91 | 0.90 | | |
| 6.7 | 14875 | 217.62 | 101 | 1.15 | | |
| 8.2 | 12181 | 178.20 | 107 | 1.40 | | |
| 9.0 | 11139 | 162.96 | 109 | 1.50 | **GFA157** | |
| 10 | 9693 | 141.80 | 111 | 1.75 | **GFAF157** | |
| 12 | 8554 | 125.14 | 112 | 1.92 | **GF157** | **4P** |
| 13 | 7416 | 108.49 | 114 | 2.30 | **GFF157** | |
| 15 | 6598 | 96.53 | 114 | 2.60 | | |
| 17 | 5865 | 85.80 | 112 | 2.90 | | |
| 19 | 5363 | 78.46 | 110 | 3.10 | | |
| 21 | 4667 | 68.28 | 106 | 3.60 | | |
| 7.7 | 12884 | 125.23 | 83 | 0.85 | **GFA127** | |
| 8.5 | 11750 | 114.21 | 85 | 0.95 | **GFAF127** | |
| 9.8 | 10169 | 98.84 | 86 | 1.10 | **GF127** | **6P** |
| 11 | 8973 | 87.21 | 86 | 1.25 | **GFF127** | |
| 13 | 7749 | 75.32 | 86 | 1.45 | | |
| 8.6 | 11664 | 170.64 | 85 | 0.95 | | |
| 9.5 | 10492 | 153.50 | 86 | 1.05 | **GFA127** | |
| 12 | 8560 | 125.23 | 86 | 1.30 | **GFAF127** | |
| 13 | 7807 | 114.21 | 86 | 1.45 | **GF127** | **4P** |
| 15 | 6756 | 98.84 | 86 | 1.65 | **GFF127** | |
| 17 | 5961 | 87.21 | 86 | 1.90 | | |
| 19 | 5148 | 75.32 | 84 | 2.20 | | |
| 12 | 8062 | 117.94 | 45 | 0.90 | **GFA107** | |
| 14 | 6930 | 101.38 | 48 | 1.05 | **GFAF107** | |
| 16 | 6321 | 92.47 | 50 | 1.15 | **GF107** | **4P** |
| | | | | | **GFF107** | |
| 17 | 5741 | 83.99 | 51 | 1.25 | | |
| 20 | 5094 | 74.52 | 53 | 1.40 | **GFA107** | |
| 22 | 4622 | 67.62 | 54 | 1.55 | **GFAF107** | |
| 25 | 3973 | 58.12 | 54 | 1.80 | **GF107** | **4P** |
| 29 | 3468 | 50.73 | 52 | 2.10 | **GFF107** | |
| 34 | 2941 | 43.03 | 51 | 2.50 | | |
| 43 | 2310 | 33.79 | 48 | 3.00 | **GFA107** | |
| 53 | 1885 | 27.57 | 46 | 3.90 | **GFAF107** | |
| 58 | 1718 | 25.14 | 45 | 4.30 | **GF107** | **4P** |
| | | | | | **GFF107** | |
| 22 | 4475 | 65.47 | 23 | 0.90 | **GFA97** | |
| 25 | 3969 | 58.06 | 26 | 1.00 | **GFAF97** | |
| 28 | 3588 | 52.49 | 26 | 1.10 | **GF97** | **4P** |
| | | | | | **GFF97** | |
| 33 | 3041 | 44.49 | 26 | 1.30 | **GFA97** | |
| 38 | 2656 | 38.86 | 25 | 1.50 | **GFAF97** | |
| 45 | 2222 | 32.50 | 25 | 1.80 | **GF97** | **4P** |
| | | | | | **GFF97** | |
| 43 | 2318 | 33.91 | 25 | 1.75 | **GFA97** | |
| 48 | 2077 | 30.39 | 25 | 1.95 | **GFAF97** | |
| 53 | 1876 | 27.44 | 24 | 2.20 | **GF97** | **4P** |
| 59 | 1703 | 24.92 | 24 | 2.40 | **GFF97** | |
| 66 | 1511 | 22.11 | 23 | 2.70 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **11kW** | | | | | | |
| 37 | 2686 | 39.30 | 14 | 0.95 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 41 | 2405 | 35.19 | 14 | 1.00 | | |
| 50 | 1996 | 29.20 | 14 | 1.20 | | |
| 55 | 1811 | 26.50 | 14 | 1.55 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 62 | 1619 | 23.68 | 14 | 1.75 | | |
| 68 | 1457 | 21.32 | 14 | 1.95 | | |
| 76 | 1320 | 19.31 | 14 | 2.10 | | |
| 85 | 1170 | 17.12 | 14 | 2.40 | | |
| 94 | 1058 | 15.48 | 14 | 2.70 | | |
| 111 | 897 | 13.12 | 14 | 3.10 | | |
| 74 | 1347 | 19.70 | 15 | 1.05 | **GFA77 GFAF77 GF77 GFF77** | **4P** |
| 83 | 1196 | 17.49 | 16 | 1.20 | | |
| 93 | 1069 | 15.64 | 17 | 1.30 | | |
| 104 | 961 | 14.06 | 17 | 1.45 | | |
| 120 | 835 | 12.21 | 16 | 1.70 | | |
| 134 | 747 | 10.93 | 16 | 1.90 | | |
| 157 | 636 | 9.30 | 15 | 1.60 | | |
| 177 | 565 | 8.26 | 14 | 1.80 | | |
| 198 | 505 | 7.39 | 14 | 2.00 | | |
| 220 | 454 | 6.64 | 14 | 2.20 | | |
| 253 | 394 | 5.76 | 13 | 2.60 | | |
| 283 | 353 | 5.16 | 13 | 2.90 | | |
| 341 | 293 | 4.28 | 13 | 3.20 | | |
| **15kW** | | | | | | |
| 6.3 | 20544 | 232 | 86 | 0.85 | **GFA157R97 GFAF157R97 GF157R97 GFF157R97** | **4P** |
| 7.2 | 17887 | 202 | 95 | 1.00 | | |
| 7.4 | 17444 | 197 | 96 | 1.05 | | |
| 6.8 | 19894 | 141.80 | 86 | 0.85 | **GFA157 GFAF157 GF157 GFF157** | **6P** |
| 7.8 | 17557 | 125.14 | 94 | 0.95 | | |
| 8.9 | 15221 | 108.49 | 100 | 1.10 | | |
| 10 | 13543 | 96.53 | 104 | 1.25 | | |
| 11 | 12037 | 85.80 | 107 | 1.40 | | |
| 6.7 | 20284 | 217.62 | 84 | 0.85 | **GFA157 GFAF157 GF157 GFF157** | **4P** |
| 8.2 | 16610 | 178.20 | 97 | 1.05 | | |
| 9.0 | 15190 | 162.96 | 100 | 1.15 | | |
| 10 | 13217 | 141.80 | 105 | 1.30 | | |
| 12 | 11664 | 125.14 | 108 | 1.45 | | |
| 13 | 10112 | 108.49 | 11 | 1.70 | | |
| 15 | 8998 | 96.53 | 110 | 1.90 | | |
| 17 | 7997 | 85.80 | 108 | 2.10 | | |
| 19 | 7313 | 78.46 | 106 | 2.30 | | |
| 21 | 6364 | 68.28 | 10 | 2.70 | | |
| 24 | 5616 | 60.25 | 100 | 3.00 | | |
| 9.8 | 13867 | 98.84 | 81 | 0.80 | **GFA127 GFAF127 GF127 GFF127** | **6P** |
| 11 | 12235 | 87.21 | 84 | 0.95 | | |
| 13 | 10567 | 75.32 | 84 | 1.10 | | |
| 14 | 9819 | 69.99 | 83 | 1.15 | | |
| 15 | 8955 | 63.83 | 82 | 1.25 | | |
| 12 | 11673 | 125.23 | 85 | 1.00 | **GFA127 GFAF127 GF127 GFF127** | **4P** |
| 13 | 10646 | 114.21 | 84 | 1.05 | | |
| 15 | 9213 | 98.84 | 83 | 1.25 | | |
| 17 | 8129 | 87.21 | 81 | 1.40 | | |
| 19 | 7021 | 75.32 | 80 | 1.60 | | |
| 21 | 6524 | 69.99 | 79 | 1.75 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **15kW** | | | | | | |
| 16 | 8619 | 92.47 | 44 | 0.85 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 16 | 8248 | 88.49 | 45 | 0.90 | | |
| 17 | 7829 | 83.99 | 46 | 0.95 | | |
| 20 | 6946 | 74.52 | 48 | 1.05 | | |
| 22 | 6303 | 67.62 | 50 | 1.15 | | |
| 25 | 5417 | 58.12 | 50 | 1.35 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 29 | 4729 | 50.73 | 49 | 1.55 | | |
| 34 | 4011 | 43.03 | 48 | 1.80 | | |
| 39 | 3506 | 37.61 | 47 | 2.10 | | |
| 46 | 2964 | 31.80 | 46 | 2.50 | | |
| 43 | 3150 | 33.79 | 46 | 2.20 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 53 | 2570 | 27.57 | 44 | 2.90 | | |
| 58 | 2343 | 25.14 | 44 | 3.20 | | |
| 67 | 2028 | 21.76 | 42 | 3.70 | | |
| 33 | 4147 | 44.49 | 22 | 1.00 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 38 | 3622 | 38.86 | 22 | 1.15 | | |
| 45 | 3029 | 32.50 | 22 | 1.35 | | |
| 43 | 3161 | 33.91 | 22 | 1.30 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 48 | 2833 | 30.39 | 22 | 1.45 | | |
| 53 | 2558 | 27.44 | 22 | 1.60 | | |
| 59 | 2323 | 24.92 | 22 | 1.75 | | |
| 66 | 2061 | 22.11 | 21 | 2.00 | | |
| 73 | 1871 | 20.07 | 21 | 2.20 | | |
| 85 | 1608 | 17.25 | 21 | 2.50 | | |
| 97 | 1404 | 15.06 | 20 | 2.90 | | |
| 114 | 1190 | 12.77 | 20 | 3.40 | | |
| 131 | 1040 | 11.16 | 19 | 3.70 | | |
| 55 | 2470 | 26.50 | 12 | 1.15 | **GFA87 GFAF87 GF87 GFF87** | **4P** |
| 62 | 2207 | 23.68 | 12 | 1.30 | | |
| 68 | 1987 | 21.32 | 12 | 1.45 | | |
| 76 | 1800 | 19.31 | 12 | 1.60 | | |
| 85 | 1596 | 17.12 | 12 | 1.80 | | |
| 94 | 1443 | 15.48 | 12 | 2.00 | | |
| 111 | 1223 | 13.12 | 12 | 2.30 | | |
| 127 | 1068 | 11.46 | 12 | 2.70 | | |
| 152 | 893 | 9.58 | 12 | 3.10 | | |
| 176 | 773 | 8.29 | 11 | 1.90 | | |
| 199 | 685 | 7.35 | 11 | 2.10 | | |
| 220 | 620 | 6.65 | 11 | 2.30 | | |
| 259 | 525 | 5.63 | 10 | 2.80 | | |
| 297 | 459 | 4.92 | 10 | 3.20 | | |
| 354 | 384 | 4.12 | 10 | 3.60 | | |
| **18.5kW** | | | | | | |
| 7.3 | 21911 | 202 | 73 | 0.80 | **GFA157R97 GFAF157R97 GF157R97 GFF157R97** | **4P** |
| 7.5 | 21368 | 197 | 82 | 0.85 | | |
| 8.2 | 20346 | 178.20 | 84 | 0.85 | **GFA157 GFAF157 GF157 GFF157** | **4P** |
| 9.0 | 18606 | 162.96 | 90 | 0.90 | | |
| 10 | 16190 | 141.80 | 98 | 1.05 | | |
| 12 | 14288 | 125.14 | 103 | 1.20 | | |
| 14 | 12387 | 108.49 | 106 | 1.40 | | |
| 15 | 11022 | 96.53 | 106 | 1.55 | | |
| 17 | 9796 | 85.80 | 104 | 1.75 | | |
| 19 | 8958 | 78.46 | 102 | 1.90 | | |
| 22 | 7796 | 68.28 | 100 | 2.20 | | |
| 24 | 6879 | 60.25 | 97 | 2.50 | | |
| 28 | 5965 | 52.24 | 94 | 3.00 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **18.5kW** | | | | | | |
| 13 | 13040 | 114.21 | 78 | 0.85 | | |
| 15 | 11285 | 98.84 | 78 | 1.00 | | |
| 17 | 9957 | 87.21 | 77 | 1.15 | **GFA127** | |
| 20 | 8600 | 75.32 | 76 | 1.30 | **GFAF127** | |
| 21 | 7991 | 69.99 | 75 | 1.40 | **GF127** | **4P** |
| 23 | 7288 | 63.83 | 74 | 1.55 | **GFF127** | |
| 27 | 6308 | 55.25 | 73 | 1.80 | | |
| 30 | 5566 | 48.75 | 71 | 2.00 | | |
| 20 | 8509 | 74.52 | 44 | 0.85 | **GFA107** | |
| 22 | 7721 | 67.62 | 46 | 0.95 | **GFAF107** | |
| 25 | 6636 | 58.12 | 46 | 1.10 | **GF107** | **4P** |
| 29 | 5792 | 50.73 | 46 | 1.25 | **GFF107** | |
| 34 | 4913 | 43.03 | 45 | 1.50 | **GFA107** | |
| 39 | 4294 | 37.61 | 45 | 1.70 | **GFAF107** | |
| 46 | 3631 | 31.80 | 44 | 2.00 | **GF107** | **4P** |
| | | | | | **GFF107** | |
| 44 | 3858 | 33.79 | 44 | 1.80 | **GFA107** | |
| 53 | 3148 | 27.57 | 43 | 2.40 | **GFAF107** | |
| 58 | 2870 | 25.14 | 42 | 2.60 | **GF107** | **4P** |
| 68 | 2485 | 21.76 | 41 | 3.00 | **GFF107** | |
| 38 | 4437 | 38.86 | 19 | 0.90 | **GFA97** | |
| 45 | 3711 | 32.50 | 20 | 1.10 | **GFAF97** | |
| | | | | | **GF97** | **4P** |
| | | | | | **GFF97** | |
| 54 | 3133 | 27.44 | 20 | 1.30 | | |
| 59 | 2845 | 24.92 | 20 | 1.45 | | |
| 66 | 2524 | 22.11 | 20 | 1.60 | **GFA97** | |
| 73 | 2292 | 20.07 | 20 | 1.80 | **GFAF97** | |
| 85 | 1970 | 17.25 | 19 | 2.10 | **GF97** | **4P** |
| 98 | 1720 | 15.06 | 19 | 2.40 | **GFF97** | |
| 115 | 1458 | 12.77 | 19 | 2.80 | | |
| 132 | 1274 | 11.16 | 18 | 3.00 | | |
| 69 | 2434 | 21.32 | 10 | 1.15 | | |
| 76 | 2205 | 19.31 | 11 | 1.30 | | |
| 86 | 1955 | 17.12 | 11 | 1.45 | | |
| 95 | 1767 | 15.48 | 11 | 1.60 | | |
| 112 | 1498 | 13.12 | 11 | 1.90 | **GFA87** | |
| 128 | 1308 | 11.46 | 11 | 2.20 | **GFAF87** | |
| 153 | 1094 | 9.58 | 11 | 2.50 | **GF87** | **4P** |
| 177 | 947 | 8.29 | 10 | 1.55 | **GFF87** | |
| 200 | 839 | 7.35 | 10 | 1.75 | | |
| 221 | 759 | 6.65 | 10 | 1.90 | | |
| 261 | 643 | 5.63 | 10 | 2.20 | | |
| 299 | 562 | 4.92 | 10 | 2.60 | | |
| 357 | 470 | 4.12 | 9.4 | 2.90 | | |
| **22kW** | | | | | | |
| 10 | 19863 | 96.53 | 86 | 0.85 | **GFA157** | |
| 11 | 17655 | 85.80 | 94 | 0.95 | **GFAF157** | |
| 12 | 16145 | 78.46 | 98 | 1.05 | **GF157** | **6P** |
| 14 | 14050 | 68.28 | 102 | 1.20 | **GFF157** | |
| 10 | 19253 | 141.80 | 88 | 0.90 | | |
| 12 | 16991 | 125.14 | 95 | 1.00 | | |
| 14 | 14731 | 108.49 | 101 | 1.15 | **GFA157** | |
| 15 | 13107 | 96.53 | 102 | 1.30 | **GFAF157** | |
| 17 | 11650 | 85.80 | 100 | 1.45 | **GF157** | **4P** |
| 19 | 10653 | 78.46 | 99 | 1.60 | **GFF157** | |
| 22 | 9271 | 68.28 | 97 | 1.85 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **22kW** | | | | | | |
| 24 | 8181 | 60.25 | 95 | 2.10 | **GFA157** | |
| 28 | 7093 | 52.24 | 92 | 2.40 | **GFAF157** | |
| 32 | 6311 | 46.48 | 90 | 2.70 | **GF157** | **4P** |
| 37 | 5439 | 40.06 | 87 | 3.10 | **GFF157** | |
| 45 | 4420 | 32.55 | 83 | 3.90 | | |
| 15 | 13420 | 98.84 | 73 | 0.85 | | |
| 17 | 11841 | 87.21 | 72 | 0.95 | | |
| 20 | 10227 | 75.32 | 72 | 1.10 | **GFA127** | |
| 21 | 9503 | 69.99 | 72 | 1.20 | **GFAF127** | |
| 23 | 8667 | 63.83 | 71 | 1.30 | **GF127** | **4P** |
| 27 | 7502 | 55.25 | 70 | 1.50 | **GFF127** | |
| 30 | 6619 | 48.75 | 69 | 1.70 | | |
| 35 | 5716 | 42.10 | 67 | 2.00 | | |
| 25 | 7891 | 58.12 | 43 | 0.90 | **GFA107** | |
| 29 | 6888 | 50.73 | 43 | 1.05 | **GFAF107** | |
| 34 | 5843 | 43.03 | 43 | 1.25 | **GF107** | **4P** |
| | | | | | **GFF107** | |
| 39 | 5107 | 37.61 | 43 | 1.40 | **GFA107** | |
| 46 | 4318 | 31.80 | 42 | 1.70 | **GFAF107** | |
| | | | | | **GF107** | **4P** |
| | | | | | **GFF107** | |
| 44 | 4588 | 33.79 | 42 | 1.55 | **GFA107** | |
| 53 | 3743 | 27.57 | 41 | 2.00 | **GFAF107** | |
| 58 | 3413 | 25.14 | 41 | 2.20 | **GF107** | **4P** |
| 68 | 2955 | 21.76 | 40 | 2.50 | **GFF107** | |
| 77 | 2607 | 19.20 | 39 | 2.80 | | |
| 54 | 3726 | 27.44 | 18 | 1.10 | | |
| 59 | 3384 | 24.92 | 18 | 1.20 | | |
| 66 | 3002 | 22.11 | 18 | 1.35 | **GFA97** | |
| 73 | 2725 | 20.07 | 18 | 1.50 | **GFAF97** | |
| 85 | 2342 | 17.25 | 18 | 1.75 | **GF97** | **4P** |
| 98 | 2045 | 15.06 | 18 | 2.00 | **GFF97** | |
| 115 | 1734 | 12.77 | 18 | 2.30 | | |
| 132 | 1515 | 11.16 | 17 | 2.60 | | |
| 69 | 2895 | 21.32 | 8.5 | 1.00 | | |
| 76 | 2622 | 19.31 | 9.0 | 1.10 | | |
| 86 | 2325 | 17.12 | 9.4 | 1.20 | | |
| 95 | 2102 | 15.48 | 10 | 1.35 | | |
| 112 | 1781 | 13.12 | 10 | 1.60 | **GFA87** | |
| 128 | 1556 | 11.46 | 10 | 1.85 | **GFAF87** | |
| 153 | 1301 | 9.58 | 10 | 2.10 | **GF87** | **4P** |
| 177 | 1126 | 8.29 | 10 | 1.30 | **GFF87** | |
| 200 | 998 | 7.35 | 10 | 1.45 | | |
| 221 | 903 | 6.65 | 10 | 1.60 | | |
| 261 | 764 | 5.63 | 9.4 | 1.90 | | |
| 299 | 668 | 4.92 | 9.3 | 2.20 | | |
| 357 | 559 | 4.12 | 9.0 | 2.50 | | |
| **30kW** | | | | | | |
| 14 | 20087 | 108.49 | 85 | 0.85 | | |
| 15 | 17873 | 96.53 | 92 | 0.95 | | |
| 17 | 15886 | 85.80 | 92 | 1.10 | **GFA157** | |
| 19 | 14527 | 78.46 | 91 | 1.20 | **GFAF157** | |
| 22 | 12642 | 68.28 | 90 | 1.35 | **GF157** | **4P** |
| 24 | 11155 | 60.25 | 89 | 1.55 | **GFF157** | |
| 28 | 9672 | 52.24 | 87 | 1.75 | | |
| 32 | 8606 | 46.48 | 85 | 2.00 | | |
| 37 | 7417 | 40.06 | 83 | 2.30 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **30kW** | | | | | | |
| 20 | 13946 | 75.32 | 63 | 0.80 | | |
| 21 | 12959 | 69.99 | 63 | 0.90 | | |
| 23 | 11818 | 63.83 | 64 | 0.95 | **GFA127 GFAF127 GF127 GFF127** | **4P** |
| 27 | 10230 | 55.25 | 63 | 1.10 | | |
| 30 | 9026 | 48.75 | 63 | 1.25 | | |
| 35 | 7795 | 42.10 | 62 | 1.45 | | |
| 39 | 6895 | 37.24 | 61 | 1.65 | | |
| 47 | 5793 | 31.29 | 60 | 1.95 | | |
| 58 | 4681 | 25.28 | 58 | 2.40 | | |
| 55 | 4970 | 26.84 | 59 | 1.60 | **GFA127 GFAF127 GF127 GFF127** | **4P** |
| 60 | 4544 | 24.54 | 58 | 1.80 | | |
| 69 | 3953 | 21.35 | 56 | 2.90 | | |
| 78 | 3488 | 18.84 | 55 | 3.00 | | |
| 34 | 7967 | 43.03 | 37 | 0.90 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 39 | 6964 | 37.61 | 38 | 1.05 | | |
| 46 | 5888 | 31.80 | 38 | 1.25 | | |
| 53 | 5105 | 27.57 | 38 | 1.45 | | |
| 58 | 4655 | 25.14 | 37 | 1.60 | | |
| 68 | 4029 | 21.76 | 37 | 1.85 | **GFA107 GFAF107 GF107 GFF107** | **4P** |
| 77 | 3555 | 19.20 | 36 | 2.10 | | |
| 89 | 3070 | 16.58 | 36 | 2.40 | | |
| 100 | 2716 | 14.67 | 35 | 2.70 | | |
| 119 | 2283 | 12.33 | 34 | 2.90 | | |
| 148 | 1844 | 9.96 | 33 | 3.30 | | |
| 66 | 4094 | 22.11 | 14 | 1.00 | | |
| 73 | 3716 | 20.07 | 15 | 1.10 | | |
| 85 | 3194 | 17.25 | 15 | 1.30 | | |
| 98 | 2788 | 15.06 | 15 | 1.45 | | |
| 115 | 2364 | 12.77 | 16 | 1.75 | **GFA97 GFAF97 GF97 GFF97** | **4P** |
| 132 | 2066 | 11.16 | 16 | 1.90 | | |
| 162 | 1677 | 9.06 | 15 | 1.35 | | |
| 179 | 1522 | 8.22 | 15 | 1.45 | | |
| 208 | 1307 | 7.06 | 14 | 1.70 | | |
| 238 | 1142 | 6.17 | 14 | 1.85 | | |
| 281 | 968 | 5.23 | 14 | 2.10 | | |
| 322 | 846 | 4.57 | 14 | 2.30 | | |
| **37kW** | | | | | | |
| 17 | 19461 | 85.80 | 84 | 0.85 | | |
| 19 | 17796 | 78.46 | 84 | 0.95 | | |
| 22 | 15487 | 68.28 | 84 | 1.10 | **GFA157 GFAF157 GF157 GFF157** | **4P** |
| 25 | 13665 | 60.25 | 83 | 1.25 | | |
| 28 | 11849 | 52.24 | 82 | 1.45 | | |
| 32 | 10542 | 46.48 | 81 | 1.60 | | |
| 37 | 9086 | 40.06 | 80 | 1.85 | | |
| 45 | 7383 | 32.55 | 77 | 2.30 | | |
| 54 | 6260 | 27.60 | 75 | 2.70 | | |
| 27 | 12531 | 55.25 | 58 | 0.90 | | |
| 30 | 11057 | 48.75 | 58 | 1.00 | **GFA127** | |
| 35 | 9549 | 42.10 | 57 | 1.20 | **GFAF127** | **4P** |
| 40 | 8446 | 37.24 | 56 | 1.35 | **GF127** | |
| 47 | 7097 | 31.29 | 56 | 1.60 | **GFF127** | |
| 59 | 5734 | 25.28 | 55 | 1.95 | | |
| 55 | 6088 | 26.84 | 54 | 1.30 | **GFA127** | |
| 60 | 5566 | 24.54 | 53 | 1.45 | **GFAF127** | **4P** |
| 69 | 4842 | 21.35 | 52 | 2.30 | **GF127** | |
| 79 | 4273 | 18.84 | 51 | 2.40 | **GFF127** | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **37kW** | | | | | | |
| 91 | 3706 | 16.34 | 49 | 2.80 | | |
| 102 | 3298 | 14.54 | 47 | 3.10 | **GFA127** | |
| 118 | 2842 | 12.53 | 45 | 3.30 | **GFAF127** | **4P** |
| 145 | 2309 | 10.18 | 44 | 3.90 | **GF127** | |
| 167 | 2012 | 8.87 | 34 | 3.30 | **GFF127** | |
| 188 | 1790 | 7.89 | 34 | 3.20 | | |
| 54 | 6253 | 27.57 | 34 | 1.20 | | |
| 59 | 5702 | 25.14 | 34 | 1.30 | | |
| 68 | 4935 | 21.76 | 34 | 1.50 | | |
| 77 | 4355 | 19.20 | 33 | 1.70 | | |
| 89 | 3761 | 16.58 | 33 | 1.95 | **GFA107** | |
| 101 | 3327 | 14.67 | 32 | 2.20 | **GFAF107** | **4P** |
| 120 | 2797 | 12.33 | 31 | 2.40 | **GF107** | |
| 149 | 2259 | 9.96 | 30 | 2.70 | **GFF107** | |
| 153 | 2198 | 9.69 | 29 | 2.10 | | |
| 177 | 1898 | 8.37 | 29 | 2.40 | | |
| 200 | 1678 | 7.40 | 77 | 2.60 | | |
| 238 | 1411 | 6.22 | 78 | 3.10 | | |
| **45kW** | | | | | | |
| 22 | 18835 | 68.28 | 77 | 0.90 | | |
| 25 | 16620 | 60.25 | 78 | 1.00 | **GFA157** | |
| 28 | 14411 | 52.24 | 77 | 1.20 | **GFAF157** | |
| 32 | 12822 | 46.48 | 77 | 1.30 | **GF157** | **4P** |
| 37 | 11051 | 40.06 | 76 | 1.55 | **GFF157** | |
| 45 | 8979 | 32.55 | 74 | 1.90 | | |
| 54 | 7614 | 27.60 | 72 | 2.20 | | |
| 30 | 13448 | 48.75 | 52 | 0.85 | **GFA127** | |
| 35 | 11613 | 42.10 | 53 | 0.95 | **GFAF127** | |
| 40 | 10273 | 37.24 | 53 | 1.10 | **GF127** | **4P** |
| 47 | 8631 | 31.29 | 53 | 1.30 | **GFF127** | |
| 59 | 6974 | 25.28 | 53 | 1.60 | | |
| 55 | 7404 | 26.84 | 53 | 1.10 | | |
| 60 | 6769 | 24.54 | 53 | 1.20 | | |
| 69 | 5889 | 21.35 | 52 | 1.90 | | |
| 79 | 5197 | 18.84 | 51 | 2.00 | | |
| 91 | 4507 | 16.34 | 50 | 2.30 | **GFA127** | |
| 102 | 4011 | 14.54 | 49 | 2.60 | **GFAF127** | |
| 118 | 3456 | 12.53 | 48 | 2.70 | **GF127** | **4P** |
| 145 | 2808 | 10.18 | 46 | 3.20 | **GFF127** | |
| 167 | 2447 | 8.87 | 44 | 2.70 | | |
| 188 | 2176 | 7.89 | 43 | 2.60 | | |
| 218 | 1876 | 6.80 | 42 | 3.50 | | |
| 268 | 1525 | 5.53 | 40 | 3.70 | | |
| 54 | 7605 | 27.57 | 31 | 0.95 | | |
| 59 | 6935 | 25.14 | 31 | 1.05 | | |
| 68 | 6003 | 21.76 | 32 | 1.25 | | |
| 77 | 5296 | 19.20 | 32 | 1.40 | | |
| 89 | 4574 | 16.58 | 32 | 1.60 | **GFA107** | |
| 101 | 4047 | 14.67 | 31 | 1.80 | **GFAF107** | **4P** |
| 120 | 3401 | 12.33 | 31 | 1.95 | **GF107** | |
| 149 | 2747 | 9.96 | 30 | 2.20 | **GFF107** | |
| 153 | 2673 | 9.69 | 29 | 1.75 | | |
| 177 | 2309 | 8.37 | 29 | 1.95 | | |
| 200 | 2041 | 7.40 | 28 | 2.10 | | |
| 238 | 1716 | 6.22 | 28 | 2.50 | | |

## 选型参数表 (恒功率)

## Selection Table (Constant Power)

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **55kW** | | | | | | |
| 25 | 20314 | 60.25 | 70 | 0.85 | | |
| 28 | 17613 | 52.24 | 71 | 0.95 | **GFA157** | |
| 32 | 15671 | 46.48 | 71 | 1.10 | **GFAF157** | **4P** |
| 37 | 13506 | 40.06 | 71 | 1.25 | **GF157** | |
| 45 | 10974 | 32.55 | 70 | 1.55 | **GFF157** | |
| 54 | 9305 | 27.60 | 69 | 1.85 | | |
| 52 | 9643 | 28.60 | 69 | 1.65 | | |
| 58 | 8574 | 25.43 | 68 | 1.65 | **GFA157** | |
| 67 | 7471 | 22.16 | 67 | 2.30 | **GFAF157** | **4P** |
| 75 | 6666 | 19.77 | 66 | 2.40 | **GF157** | |
| 88 | 5681 | 16.85 | 64 | 3.00 | **GFF157** | |
| 40 | 12556 | 37.24 | 49 | 0.90 | **GFA127** | |
| 47 | 10550 | 31.29 | 49 | 1.10 | **GFAF127** | **4P** |
| 59 | 8523 | 25.28 | 49 | 1.35 | **GF127** | |
| | | | | | **GFF127** | |
| 69 | 7198 | 21.35 | 49 | 1.60 | | |
| 79 | 6352 | 18.84 | 48 | 1.65 | | |
| 91 | 5509 | 16.34 | 48 | 1.90 | | |
| 102 | 4902 | 14.54 | 47 | 2.10 | **GFA127** | |
| 118 | 4225 | 12.53 | 46 | 2.20 | **GFAF127** | |
| 145 | 3432 | 10.18 | 44 | 2.60 | **GF127** | **4P** |
| 167 | 2991 | 8.87 | 43 | 2.20 | **GFF127** | |
| 188 | 2660 | 7.89 | 42 | 2.10 | | |
| 218 | 2293 | 6.80 | 41 | 2.90 | | |
| 268 | 1864 | 5.53 | 39 | 3.00 | | |
| 316 | 1581 | 4.69 | 38 | 3.60 | | |
| **75kW** | | | | | | |
| 32 | 21369 | 46.48 | 60 | 0.80 | **GFA157** | |
| 37 | 18418 | 40.06 | 61 | 0.95 | **GFAF157** | |
| 45 | 14965 | 32.55 | 62 | 1.15 | **GF157** | **4P** |
| 54 | 12689 | 27.60 | 62 | 1.35 | **GFF157** | |
| 52 | 13149 | 28.60 | 62 | 1.25 | | |
| 58 | 11692 | 25.43 | 62 | 1.20 | **GFA157** | |
| 67 | 10188 | 22.16 | 62 | 1.70 | **GFAF157** | |
| 75 | 9089 | 19.77 | 61 | 1.80 | **GF157** | **4P** |
| 88 | 7747 | 16.85 | 60 | 2.20 | **GFF157** | |
| 106 | 6418 | 13.96 | 59 | 2.50 | | |
| 124 | 5480 | 11.92 | 57 | 2.80 | | |
| 59 | 11623 | 25.28 | 42 | 1.00 | **GFA127** **GFAF127** **GF127** **GFF127** | **4P** |
| 69 | 9816 | 21.35 | 84 | 1.15 | | |
| 79 | 8662 | 18.84 | 84 | 1.20 | | |
| 91 | 7512 | 16.34 | 84 | 1.40 | | |
| 102 | 6685 | 14.54 | 83 | 1.55 | **GFA127** | |
| 118 | 5761 | 12.53 | 82 | 1.65 | **GFAF127** | |
| 145 | 4680 | 10.18 | 81 | 1.95 | **GF127** | **4P** |
| 167 | 4078 | 8.87 | 80 | 1.65 | **GFF127** | |
| 188 | 3627 | 7.89 | 77 | 1.55 | | |
| 218 | 3126 | 6.80 | 75 | 2.10 | | |
| 268 | 2542 | 5.53 | 58 | 2.20 | | |
| 316 | 2156 | 4.69 | 58 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [N.m] | i | $F_{Ra}$ [kN] | $f_B$ | 机型号 Type size | 极数 Pole |
|---|---|---|---|---|---|---|
| **90kW** | | | | | | |
| 46 | 17838 | 32.55 | 58 | 0.95 | **GFA157** **GFAF157** **GF157** **GFF157** | **4P** |
| 54 | 15125 | 27.60 | 58 | 1.10 | | |
| 52 | 15673 | 28.60 | 57 | 1.00 | | |
| 59 | 13936 | 25.43 | 56 | 1.00 | **GFA157** | |
| 67 | 12144 | 22.16 | 56 | 1.40 | **GFAF157** | |
| 75 | 10834 | 19.77 | 55 | 1.50 | **GF157** | **4P** |
| 88 | 9234 | 16.85 | 54 | 1.85 | **GFF157** | |
| 107 | 7650 | 13.96 | 53 | 2.10 | | |
| 125 | 6532 | 11.92 | 52 | 2.30 | | |
| 59 | 13854 | 25.28 | 51 | 0.80 | **GFA127** **GFAF127** **GF127** **GFF127** | **4P** |
| 70 | 11700 | 21.35 | 49 | 0.95 | | |
| 79 | 10324 | 18.84 | 47 | 1.00 | | |
| 91 | 8954 | 16.34 | 45 | 1.15 | | |
| 102 | 7968 | 14.54 | 44 | 1.30 | **GFA127** | |
| 119 | 6866 | 12.53 | 34 | 1.35 | **GFAF127** | |
| 146 | 5579 | 10.18 | 34 | 1.60 | **GF127** | **4P** |
| 168 | 4861 | 8.87 | 34 | 1.35 | **GFF127** | |
| 189 | 4324 | 7.89 | 34 | 1.30 | | |
| 219 | 3726 | 6.80 | 34 | 1.75 | | |
| 269 | 3030 | 5.53 | 33 | 1.85 | | |
| 318 | 2570 | 4.69 | 33 | 2.20 | | |
| **110kW** | | | | | | |
| 54 | 18486 | 27.60 | 32 | 0.90 | **GFA157** **GFAF157** **GF157** **GFF157** | **4P** |
| 67 | 14842 | 22.16 | 31 | 1.15 | | |
| 75 | 13242 | 19.77 | 30 | 1.20 | **GFA157** | |
| 88 | 11286 | 16.85 | 29 | 1.50 | **GFAF157** | |
| 107 | 9350 | 13.96 | 29 | 1.70 | **GF157** | **4P** |
| 125 | 7984 | 11.92 | 77 | 1.90 | **GFF157** | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 200 | 0.16 | 8193 | 4.1 | | |
| | 0.19 | 7064 | 4.1 | | |
| | 0.20 | 6585 | 4.1 | | |
| | 0.23 | 5756 | 4.1 | | |
| | 0.26 | 4962 | 4.1 | GFA37R17 | |
| | 0.30 | 4434 | 4.1 | GFAF37R17 | |
| | 0.34 | 3875 | 4.1 | GF37R17 | 0.12 |
| | 0.39 | 3392 | 4.1 | GFF37R17 | |
| | 0.44 | 2965 | 4.1 | | |
| | 0.51 | 2587 | 4.1 | | |
| | 0.57 | 2284 | 4.1 | | |
| | 0.66 | 1997 | 4.1 | | |
| | 0.68 | 1929 | 4.1 | | |
| | 0.78 | 1679 | 4.1 | | |
| | 0.85 | 1550 | 4.1 | | |
| | 1.0 | 1356 | 4.1 | | |
| | 1.1 | 1180 | 4.1 | | |
| | 1.3 | 1044 | 4.1 | GFA37R17 | |
| | 1.4 | 914 | 4.1 | GFAF37R17 | |
| | 1.6 | 808 | 4.1 | GF37R17 | 0.12 |
| | 1.9 | 698 | 4.1 | GFF37R17 | |
| | 2.1 | 616 | 4.1 | | |
| | 2.4 | 544 | 4.1 | | |
| | 2.8 | 466 | 4.1 | | |
| | 3.2 | 411 | 4.1 | | |
| | 3.6 | 364 | 4.1 | | |
| | 4.0 | 326 | 4.1 | GFA37R17 GFAF37R17 GF37R17 GFF37R17 | 0.12 |
| | 4.6 | 285 | 4.1 | GFA37R17 | |
| | 5.2 | 250 | 4.1 | GFAF37R17 | |
| | 6.0 | 219 | 4.1 | GF37R17 | 0.18 |
| | 7.0 | 186 | 4.1 | GFF37R17 | |
| | 8.0 | 167 | 4.1 | GFA37R17 | |
| | 9.2 | 145 | 4.1 | GFAF37R17 | |
| | 10.3 | 129 | 4.1 | GF37R17 | 0.25 |
| | | | | GFF37R17 | |
| 400 | 0.11 | 12251 | 5.6 | | |
| | 0.12 | 10619 | 5.6 | | |
| | 0.13 | 9845 | 5.6 | | |
| | 0.15 | 8534 | 5.6 | | |
| | 0.18 | 7460 | 5.6 | GFA47R17 | |
| | 0.20 | 6536 | 5.6 | GFAF47R17 | |
| | 0.23 | 5746 | 5.6 | GF47R17 | 0.12 |
| | 0.26 | 5022 | 5.6 | GFF47R17 | |
| | 0.30 | 4401 | 5.6 | | |
| | 0.34 | 3883 | 5.6 | | |
| | 0.38 | 3443 | 5.6 | | |
| | 0.44 | 2976 | 5.6 | | |
| | 0.50 | 2629 | 5.6 | | |
| | 0.52 | 2519 | 5.6 | | |
| | 0.55 | 2394 | 5.6 | | |
| | 0.60 | 2172 | 5.6 | | |
| | 0.65 | 2025 | 5.6 | | |
| | 0.74 | 1770 | 5.6 | GFA47R17 | |
| | 0.83 | 1576 | 5.6 | GFAF47R17 | |
| | 0.96 | 1363 | 5.6 | GF47R17 | 0.12 |
| | 1.1 | 1192 | 5.6 | GFF47R17 | |
| | 1.2 | 1061 | 5.6 | | |
| | 1.4 | 931 | 5.6 | | |
| | 1.6 | 822 | 5.6 | | |
| | 1.9 | 706 | 5.6 | | |
| 400 | 2.1 | 619 | 5.6 | GFA47R17 GFAF47R17 GF47R17 GFF47R17 | 0.18 |
| | 2.5 | 524 | 5.6 | GFA47R17 | |
| | 2.7 | 489 | 5.6 | GFAF47R17 | |
| | 3.1 | 427 | 5.6 | GF47R17 | 0.18 |
| | 3.4 | 381 | 5.6 | GFF47R17 | |
| | 4 | 334 | 5.6 | GFA47R17 | |
| | 4.5 | 294 | 5.6 | GFAF47R17 | |
| | 5.3 | 253 | 5.6 | GF47R17 | 0.25 |
| | | | | GFF47R17 | |
| | 6.1 | 217 | 5.6 | GFA47R17 | |
| | 7 | 190 | 5.6 | GFAF47R17 | |
| | 7.5 | 178 | 5.6 | GF47R17 | 0.37 |
| | | | | GFF47R17 | |
| | 9.3 | 149 | 5.6 | GFA47R17 | |
| | 11 | 131 | 5.6 | GFAF47R17 GF47R17 GFF47R17 | 0.55 |
| 600 | 0.09 | 14832 | 8.7 | | |
| | 0.1 | 13604 | 8.7 | | |
| | 0.1 | 12602 | 8.7 | | |
| | 0.12 | 11252 | 8.7 | | |
| | 0.13 | 9986 | 8.7 | | |
| | 0.15 | 8787 | 8.7 | GFA57R37 | |
| | 0.17 | 7908 | 8.7 | GFAF57R37 | |
| | 0.19 | 6913 | 8.7 | GF57R37 | 0.12 |
| | 0.22 | 6030 | 8.7 | GFF57R37 | |
| | 0.25 | 5289 | 8.7 | | |
| | 0.28 | 4654 | 8.7 | | |
| | 0.32 | 4060 | 8.7 | | |
| | 0.37 | 3564 | 8.7 | | |
| | 0.41 | 3161 | 8.7 | | |
| | 0.46 | 2854 | 8.7 | | |
| | 0.51 | 2576 | 8.7 | | |
| | 0.58 | 2266 | 8.7 | | |
| | 0.65 | 2012 | 8.7 | GFA57R37 | |
| | 0.73 | 1791 | 8.7 | GFAF57R37 | |
| | 0.81 | 1617 | 8.7 | GF57R37 | 0.12 |
| | 0.92 | 1422 | 8.7 | GFF57R37 | |
| | 1.1 | 1243 | 8.7 | | |
| | 1.2 | 1066 | 8.7 | | |
| | 1.4 | 949 | 8.7 | | |
| | 1.5 | 856 | 8.7 | GFA57R37 | |
| | 1.7 | 749 | 8.7 | GFAF57R37 | |
| | 2 | 658 | 8.7 | GF57R37 | 0.18 |
| | | | | GF57R37 | |
| | 2.4 | 549 | 8.7 | GFA57R37 GFAF57R37 | |
| | 2.8 | 483 | 8.7 | GF57R37 | 0.25 |
| | | | | GFF57R37 | |
| | 3.1 | 426 | 8.7 | GFA57R37 | |
| | 3.5 | 382 | 8.7 | GFAF57R37 GF57R37 | 0.25 |
| | | | | GFF57R37 | |
| | 4 | 330 | 8.7 | GFA57R37 | |
| | 4.5 | 298 | 8.7 | GFAF57R37 | |
| | 5.1 | 262 | 8.7 | GF57R37 | 0.37 |
| | | | | GFF57R37 | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 600 | 6.2 | 226 | 8.7 | GFA57R37 GFAF57R37 GF57R37 GFF57R37 | 0.55 |
| | 7.0 | 200 | 8.7 | | |
| | 8.2 | 170 | 8.7 | GFA57R37 GFAF57R37 GF57R37 GFF57R37 | 0.75 |
| | 9.1 | 152 | 8.7 | | |
| | 10 | 134 | 8.7 | | |
| 820 | 0.07 | 19198 | 8.7 | | |
| | 0.07 | 17609 | 8.7 | | |
| | 0.09 | 14992 | 8.7 | | |
| | 0.10 | 12926 | 8.7 | | |
| | 0.11 | 11480 | 8.7 | | |
| | 0.13 | 10220 | 8.7 | | |
| | 0.15 | 8934 | 8.7 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.12 |
| | 0.16 | 7940 | 8.7 | | |
| | 0.18 | 7096 | 8.7 | | |
| | 0.22 | 6080 | 8.7 | | |
| | 0.25 | 5342 | 8.7 | | |
| | 0.28 | 4690 | 8.7 | | |
| | 0.32 | 4091 | 8.7 | | |
| | 0.37 | 3574 | 8.7 | | |
| | 0.42 | 3133 | 8.7 | | |
| | 0.48 | 2756 | 8.7 | | |
| | 0.54 | 2440 | 8.7 | | |
| | 0.39 | 3377 | 8.7 | | |
| | 0.45 | 2912 | 8.7 | | |
| | 0.48 | 2714 | 8.7 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.12 |
| | 0.55 | 2373 | 8.7 | | |
| | 0.62 | 2126 | 8.7 | | |
| | 0.80 | 1631 | 8.7 | | |
| | 0.91 | 1438 | 8.7 | | |
| | 1.0 | 1257 | 8.7 | | |
| | 1.2 | 1126 | 8.7 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.18 |
| | 1.3 | 984 | 8.7 | | |
| | 1.5 | 864 | 8.7 | | |
| | 1.8 | 722 | 8.7 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.25 |
| | 2.1 | 633 | 8.7 | | |
| | 2.5 | 539 | 8.7 | | |
| | 0.70 | 1884 | 10 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.12 |
| | 2.7 | 500 | 10 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.37 |
| | 2.9 | 454 | 10 | | |
| | 3.4 | 392 | 10 | | |
| | 4.2 | 333 | 10 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.55 |
| | 4.7 | 297 | 10 | | |
| | 5.3 | 261 | 10 | | |
| | 5.8 | 238 | 10 | | |
| | 7.0 | 200 | 10 | GFA67R37 GFAF67R37 GF67R37 GFF67R37 | 0.75 |
| 1550 | 0.07 | 19181 | 15 | | |
| | 0.07 | 17593 | 15 | | |
| | 0.08 | 16128 | 15 | | |
| | 0.09 | 14978 | 15 | | |
| | 0.1 | 13731 | 15 | | |
| | 0.11 | 12049 | 15 | | |
| | 0.12 | 11035 | 15 | | |
| | 0.14 | 9684 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.12 |
| | 0.15 | 8465 | 15 | | |
| | 0.17 | 7520 | 15 | | |
| | 0.2 | 6581 | 15 | | |
| | 0.23 | 5808 | 15 | | |
| | 0.26 | 5026 | 15 | | |
| | 0.3 | 4436 | 15 | | |
| | 0.34 | 3832 | 15 | | |
| | 0.44 | 2978 | 15 | | |
| | 0.5 | 2613 | 15 | | |
| | 0.57 | 2284 | 15 | | |
| | 0.65 | 2030 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.18 |
| | 0.76 | 1728 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.18 |
| | 0.85 | 1544 | 15 | | |
| | 0.97 | 1354 | 15 | | |
| | 1.1 | 1200 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.25 |
| | 1.3 | 1053 | 15 | | |
| | 1.5 | 910 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.37 |
| | 1.6 | 810 | 15 | | |
| | 1.9 | 710 | 15 | | |
| | 2.3 | 615 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.55 |
| | 2.6 | 538 | 15 | | |
| | 2.9 | 480 | 15 | | |
| | 3.4 | 413 | 15 | GFA77R37 GFAF77R37 GF77R37 GFF77R37 | 0.75 |
| | 3.8 | 367 | 15 | | |
| | 4.3 | 323 | 15 | | |
| 3000 | 0.06 | 23042 | 19 | | |
| | 0.06 | 20463 | 19 | | |
| | 0.07 | 18237 | 19 | | |
| | 0.08 | 15876 | 19 | | |
| | 0.09 | 14099 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.12 |
| | 0.11 | 12204 | 19 | | |
| | 0.13 | 10433 | 19 | | |
| | 0.14 | 9380 | 19 | | |
| | 0.16 | 8142 | 19 | | |
| | 0.18 | 7100 | 19 | | |
| | 0.21 | 6273 | 19 | | |
| | 0.24 | 5510 | 19 | | |
| | 0.26 | 4954 | 19 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 3000 | 0.31 | 4245 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.18 |
| | 0.35 | 3721 | 19 | | |
| | 0.40 | 3244 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.18 |
| | 0.45 | 2881 | 19 | | |
| | 0.52 | 2575 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.25 |
| | 0.60 | 2199 | 19 | | |
| | 0.69 | 1930 | 19 | | |
| | 0.78 | 1709 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.37 |
| | 0.89 | 1493 | 19 | | |
| | 1.1 | 1300 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.55 |
| | 1.2 | 1148 | 19 | | |
| | 1.4 | 1010 | 19 | | |
| | 1.6 | 887 | 19 | | |
| | 1.8 | 780 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 0.75 |
| | 2.1 | 674 | 19 | | |
| | 2.3 | 609 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 1.1 |
| | 2.7 | 515 | 19 | | |
| | 3.1 | 452 | 19 | | |
| | 4.1 | 345 | 19 | GFA87R57 GFAF87R57 GF87R57 GFF87R57 | 1.5 |
| 4300 | 0.06 | 20814 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 0.12 |
| | 0.07 | 18119 | 28 | | |
| | 0.08 | 15472 | 28 | | |
| | 0.09 | 14022 | 28 | | |
| | 0.11 | 12324 | 28 | | |
| | 0.12 | 10839 | 28 | | |
| | 0.14 | 9576 | 28 | | |
| | 0.16 | 8318 | 28 | | |
| | 0.18 | 7327 | 28 | | |
| | 0.20 | 6469 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 0.18 |
| | 0.23 | 5615 | 28 | | |
| | 0.26 | 4961 | 28 | | |
| | 0.30 | 4333 | 28 | | |
| | 0.34 | 3906 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 0.25 |
| | 0.40 | 3352 | 28 | | |
| | 0.46 | 2907 | 28 | | |
| | 0.52 | 2553 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 0.37 |
| | 0.59 | 2245 | 28 | | |
| | 0.68 | 1970 | 28 | | |
| | 0.81 | 1723 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 0.55 |
| | 0.91 | 1528 | 28 | | |
| | 1.0 | 1327 | 28 | | |
| 4300 | 1.2 | 1171 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 0.75 |
| | 1.4 | 1022 | 28 | | |
| | 1.6 | 898 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 1.1 |
| | 1.8 | 785 | 28 | | |
| | 2.0 | 690 | 28 | | |
| | 2.3 | 605 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 1.5 |
| | 2.6 | 529 | 28 | | |
| | 3.0 | 467 | 28 | | |
| | 3.5 | 406 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 2.2 |
| | 3.9 | 363 | 28 | | |
| | 5.0 | 285 | 28 | GFA97R57 GFAF97R57 GF97R57 GFF97R57 | 3 |
| | 5.8 | 245 | 28 | | |
| 8000 | 0.05 | 25375 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 0.12 |
| | 0.06 | 21652 | 47 | | |
| | 0.07 | 18933 | 47 | | |
| | 0.08 | 16889 | 47 | | |
| | 0.09 | 14768 | 47 | | |
| | 0.12 | 11347 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 0.18 |
| | 0.13 | 10039 | 47 | | |
| | 0.15 | 8548 | 47 | | |
| | 0.17 | 7675 | 47 | | |
| | 0.20 | 6768 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 0.25 |
| | 0.22 | 5954 | 47 | | |
| | 0.25 | 5223 | 47 | | |
| | 0.29 | 4567 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 0.37 |
| | 0.38 | 3521 | 47 | | |
| | 0.46 | 3037 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 0.55 |
| | 0.50 | 2756 | 47 | | |
| | 0.59 | 2369 | 47 | | |
| | 0.67 | 2068 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 0.75 |
| | 0.76 | 1826 | 47 | | |
| | 0.88 | 1597 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 1.1 |
| | 1.00 | 1401 | 47 | | |
| | 1.1 | 1243 | 47 | | |
| | 1.3 | 1087 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 1.5 |
| | 1.5 | 950 | 47 | | |
| | 1.7 | 834 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 2.2 |
| | 1.9 | 736 | 47 | | |
| | 2.2 | 640 | 47 | | |

## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 8000 | 2.6 | 560 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 3 |
| | 2.9 | 489 | 47 | | |
| | 3.3 | 436 | 47 | | |
| | 3.9 | 370 | 47 | GFA107R77 GFAF107R77 GF107R77 GFF107R77 | 4 |
| | 4.3 | 333 | 47 | | |
| 13000 | 0.05 | 24450 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.12 |
| | 0.06 | 22298 | 86 | | |
| | 0.07 | 19026 | 86 | | |
| | 0.08 | 16637 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.18 |
| | 0.09 | 14705 | 86 | | |
| | 0.10 | 12912 | 86 | | |
| | 0.11 | 11643 | 86 | | |
| | 0.13 | 10180 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.25 |
| | 0.15 | 8822 | 86 | | |
| | 0.17 | 7634 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.37 |
| | 0.20 | 6708 | 86 | | |
| | 0.22 | 5919 | 86 | | |
| | 0.27 | 5147 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.55 |
| | 0.31 | 4528 | 86 | | |
| | 0.35 | 3922 | 86 | | |
| | 0.40 | 3450 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.75 |
| | 0.46 | 3028 | 86 | | |
| | 0.52 | 2669 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 0.75 |
| | 0.59 | 2354 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 1.1 |
| | 0.69 | 2035 | 86 | | |
| | 0.79 | 1782 | 86 | | |
| | 0.87 | 1605 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 1.5 |
| | 1.0 | 1389 | 86 | | |
| | 1.2 | 1219 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 2.2 |
| | 1.3 | 1075 | 86 | | |
| | 1.5 | 929 | 86 | | |
| | 1.7 | 819 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 3 |
| | 2.0 | 726 | 86 | | |
| | 2.2 | 647 | 86 | | |
| | 2.6 | 548 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 4 |
| | 2.9 | 494 | 86 | | |
| 13000 | 3.4 | 428 | 86 | GFA127R77 GFAF127R77 GF127R77 GFF127R77 | 5.5 |
| | 3.8 | 375 | 86 | | |
| | 3.0 | 485 | 86 | GFA127R87 GFAF127R87 GF127R87 GFF127R87 | 5.5 |
| | 3.4 | 418 | 86 | | |
| | 3.8 | 375 | 86 | | |
| | 4.6 | 312 | 86 | GFA127R87 GFAF127R87 GF127R87 GFF127R87 | 7.5 |
| | 4.9 | 293 | 86 | | |
| | 5.6 | 259 | 86 | GFA127R87 GFAF127R87 GF127R87 GFF127R87 | 7.5 |
| | 6.5 | 223 | 86 | | |
| | 7.4 | 198 | 86 | GFA127R87 GFAF127R87 GF127R87 GFF127R87 | 11 |
| 18000 | 0.04 | 31434 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 0.55 |
| | 0.05 | 26173 | 95 | | |
| | 0.06 | 23464 | 95 | | |
| | 0.07 | 20212 | 95 | | |
| | 0.08 | 17984 | 95 | | |
| | 0.08 | 16358 | 95 | | |
| | 0.10 | 13751 | 95 | | |
| | 0.11 | 12235 | 95 | | |
| | 0.14 | 10033 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 1.1 |
| | 0.16 | 9021 | 95 | | |
| | 0.17 | 8026 | 95 | | |
| | 0.20 | 7075 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 0.55 |
| | 0.22 | 6295 | 95 | | |
| | 0.26 | 5404 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 0.75 |
| | 0.29 | 4831 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 1.1 |
| | 0.34 | 4130 | 95 | | |
| | 0.40 | 3607 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 2.2 |
| | 0.45 | 3210 | 95 | | |
| | 0.50 | 2780 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 1.1 |
| | 0.99 | 1441 | 95 | GFA157R97 GFAF157R97 GF157R97 GFF157R97 | 2.2 |

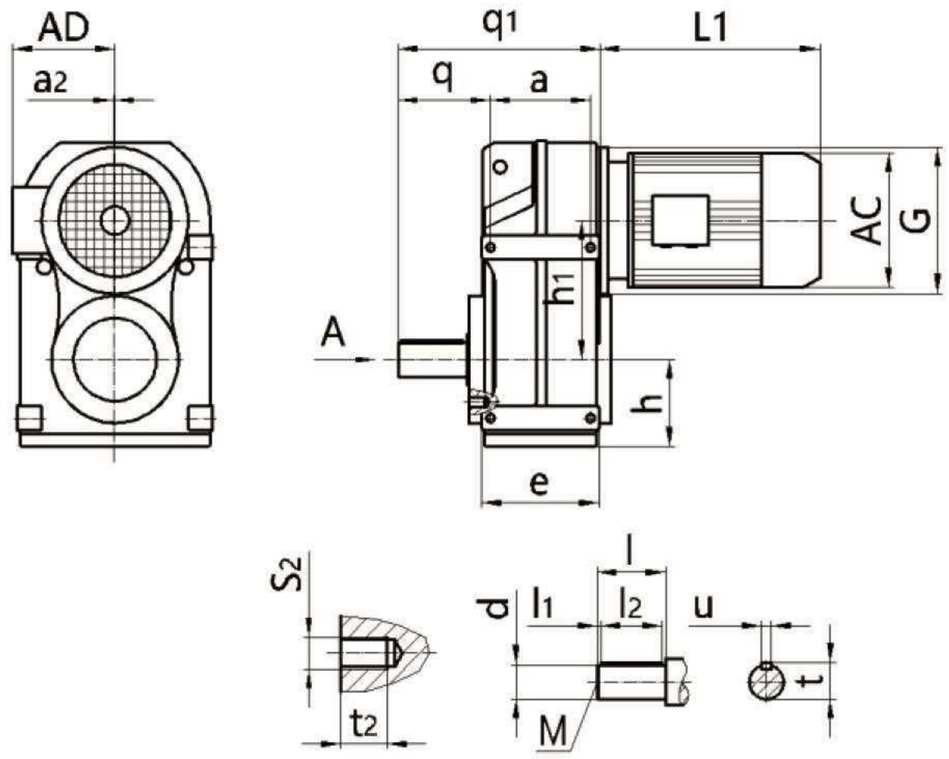
## 选型参数表 (恒转矩)

## Selection Table (Constant Torque)

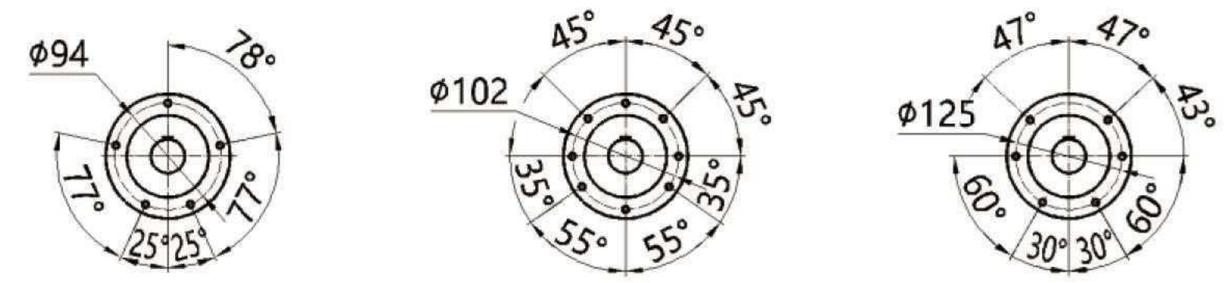
| $M_{amax}$ [N.m] | $n_a$ [r/min] | i | $F_{Ra}$ [kN] | 机型号 Type size | P [kW]/4P |
|---|---|---|---|---|---|
| 18000 | 0.58<br>0.64 | 2427<br>2185 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 1.5 |
| | 0.74<br>0.85 | 1944<br>1674 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 2.2 |
| | 1.09<br>1.22 | 1308<br>1169 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 3 |
| | 1.5<br>1.7<br>1.9 | 953<br>845<br>764 | 95<br>95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 4 |
| | 2.1<br>2.5 | 680<br>576 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 5.5 |
| 18000 | 2.9<br>3.3 | 503<br>446 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 7.5 |
| | 4.1 | 353 | 95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 7.5 |
| | 4.8<br>5.3 | 302<br>273 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 11 |
| | 6.3<br>7.2 | 232<br>202 | 95<br>95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 15 |
| | 7.5 | 197 | 95 | GFA157R97<br>GFAF157R97<br>GF157R97<br>GFF157R97 | 18.5 |

## GF37-157
## 安装结构尺寸

## GF37-157
## Mounting Dimensional Description




A向法兰安装结构尺寸（Fig.A Mounting Dimension）



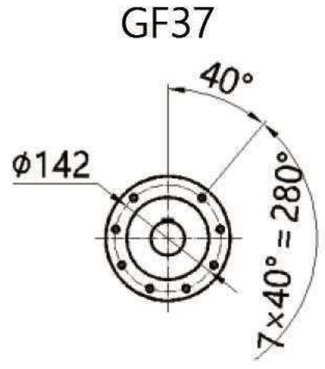

GF37




GF47




GF57-67




GF77

GF87

GF97

| 机 型 号<br>Type Size | $q_1$<br>$S_1$ | q<br>$t_1$ | a<br>u | $h_1$<br>t | h<br>$l_1$ | e<br>$l_2$ | $p_3$<br>l | $p_2$<br>d | $p_1$<br>M | $k_3$<br>$S_2$ | $k_4$<br>$t_2$ | K0<br>$a_2$ | G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GF37** | 160<br>M8 | 72.5<br>15 | 77<br>8 | 112<br>28 | 77<br>5 | 95<br>40 | 256<br>50 | 135<br>Φ25k6 | 115<br>M10 | 31<br>M8 | 20<br>15 | 165<br>/ | Φ120 | 见附录 A-2 和 A-3<br>Please see appendix A-2 and A-3 | | |
| **GF47** | 193<br>M10 | 91<br>15 | 93<br>8 | 128.1<br>33 | 80<br>3.5 | 109<br>50 | 276<br>60 | 170<br>Φ30k6 | 145<br>M10 | 43<br>M8 | 25<br>14 | 180<br>/ | Φ120 | | | |
| **GF57** | 220<br>M12 | 104.5<br>17 | 102<br>10 | 136<br>38 | 93<br>7 | 127<br>56 | 321<br>70 | 195<br>Φ35k6 | 170<br>M12 | 55<br>M12 | 25<br>20 | 200<br>/ | Φ160 | | | |
| **GF67** | 242<br>M12 | 118.5<br>17 | 112<br>12 | 159.5<br>43 | 97<br>5 | 131<br>70 | 348<br>80 | 215<br>Φ40k6 | 190<br>M16 | 60<br>M12 | 25<br>22 | 212<br>/ | Φ160 | | | |
| **GF77** | 294<br>M16 | 137.5<br>26 | 140<br>14 | 200<br>53.5 | 122<br>10 | 170<br>80 | 430<br>100 | 275<br>Φ50k6 | 240<br>M16 | 70<br>M12 | 35<br>17 | 270<br>/ | Φ200 | | | |
| **GF87** | 344<br>M16 | 163<br>26 | 165<br>18 | 246.7<br>64 | 150<br>5 | 195<br>110 | 534<br>120 | 350<br>Φ60m6 | 310<br>M20 | 100<br>M16 | 40<br>29 | 330<br>/ | Φ250 | | | |
| **GF97** | 415<br>M20 | 189.5<br>33 | 205<br>20 | 285<br>74.5 | 180<br>7.5 | 240<br>125 | 630<br>140 | 400<br>Φ70m6 | 350<br>M20 | 120<br>M16 | 50<br>28 | 400<br>/ | Φ300 | | | |
| **GF107** | 484<br>M24 | 241.5<br>38 | 220<br>25 | 332.4<br>95 | 201<br>5 | 260<br>160 | 723<br>170 | 460<br>Φ90m6 | 400<br>M24 | 125<br>/ | 60<br>/ | 450<br>/ | Φ350 | | | |
| **GF127** | 586<br>M30 | 292<br>45 | 270<br>28 | 382.6<br>116 | 236<br>15 | 316<br>180 | 861<br>210 | 520<br>Φ110m6 | 450<br>M24 | 142<br>/ | 70<br>/ | 530<br>10 | Φ450 | | | |
| **GF157** | 662<br>M36 | 325<br>55 | 310<br>32 | 447<br>127 | 286<br>5 | 364<br>200 | 1021<br>210 | 620<br>Φ120m6 | 540<br>M24 | 170<br>/ | 80<br>/ | 660<br>15 | Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

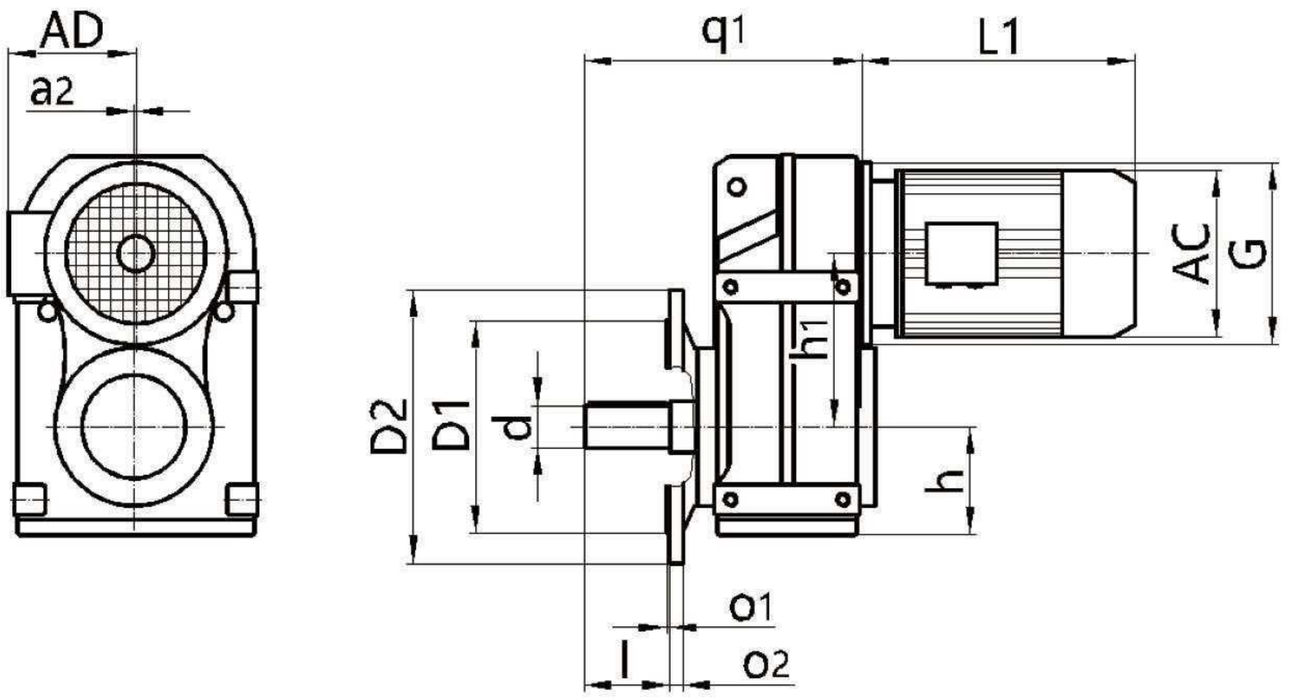
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

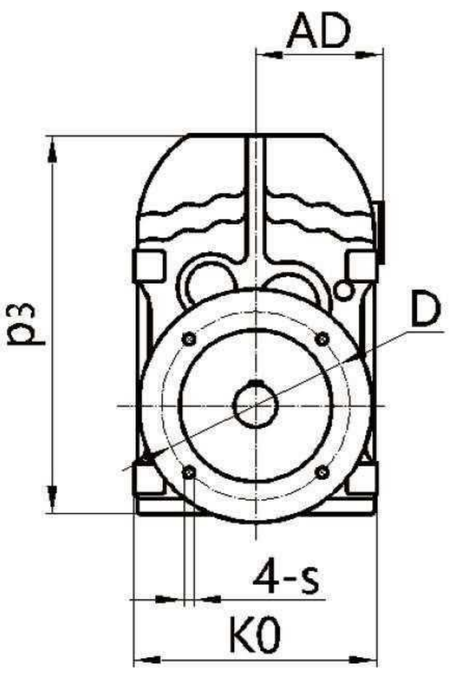
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

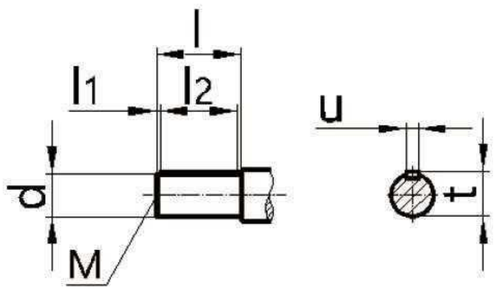
## GFF37-157
## 安装结构尺寸

## GFF37-157
## Mounting Dimensional Description

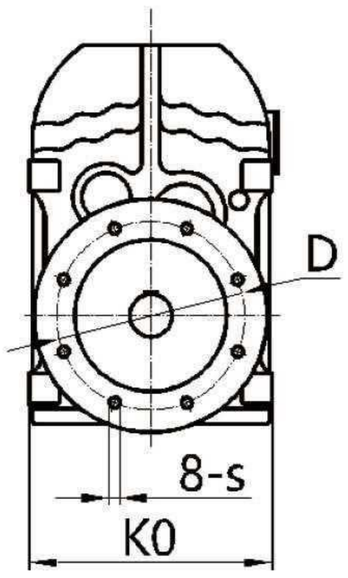



GFF37-87




GFF97-157




| 机 型 号<br>Type Size | $q_1$<br>s | $o_2$<br>D | $o_1$<br>K0 | d<br>u | D1<br>t | D2<br>$l_1$ | $h_1$<br>$l_2$ | h<br>l | $p_3$<br>M | G<br>$a_2$ | 电机尺寸<br>Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | AC | AD | L1 |
| **GFF37** | 184<br>Φ9 | 10<br>Φ130 | 3.5<br>165 | Φ25k6<br>8 | Φ110j6<br>28 | Φ160<br>5 | 112<br>40 | 77<br>50 | 256<br>M10 | Φ120<br>/ | **见附录<br>A-2 和 A-3<br><br>Please see<br>appendix<br>A-2 and A-3** | | |
| **GFF47** | 218<br>Φ11 | 12<br>Φ165 | 3.5<br>180 | Φ30k6<br>8 | Φ130j6<br>33 | Φ200<br>3.5 | 128.1<br>50 | 80<br>60 | 276<br>M10 | Φ120<br>/ | | | |
| **GFF57** | 243.5<br>Φ13.5 | 15<br>Φ215 | 4<br>200 | Φ35k6<br>10 | Φ180j6<br>38 | Φ250<br>7 | 136<br>56 | 93<br>70 | 321<br>M12 | Φ160<br>/ | | | |
| **GFF67** | 264<br>Φ13.5 | 15<br>Φ215 | 4<br>212 | Φ40k6<br>12 | Φ180j6<br>43 | Φ250<br>5 | 159.5<br>70 | 97<br>80 | 348<br>M16 | Φ160<br>/ | | | |
| **GFF77** | 330<br>Φ13.5 | 16<br>Φ265 | 4<br>270 | Φ50k6<br>14 | Φ230j6<br>53.5 | Φ300<br>10 | 200<br>80 | 122<br>100 | 430<br>M16 | Φ200<br>/ | | | |
| **GFF87** | 374<br>Φ17.5 | 18<br>Φ300 | 5<br>330 | Φ60m6<br>18 | Φ250h6<br>64 | Φ350<br>5 | 246.7<br>110 | 150<br>120 | 534<br>M20 | Φ250<br>/ | | | |
| **GFF97** | 456<br>Φ17.5 | 22<br>Φ400 | 5<br>400 | Φ70m6<br>20 | Φ350h6<br>74.5 | Φ450<br>7.5 | 285<br>125 | 180<br>140 | 630<br>M20 | Φ300<br>/ | | | |
| **GFF107** | 523<br>Φ17.5 | 22<br>Φ400 | 5<br>450 | Φ90m6<br>25 | Φ350h6<br>95 | Φ450<br>5 | 332.4<br>160 | 201<br>170 | 723<br>M24 | Φ350<br>/ | | | |
| **GFF127** | 634<br>Φ17.5 | 25<br>Φ500 | 5<br>530 | Φ110m6<br>28 | Φ450h6<br>116 | Φ550<br>15 | 382.6<br>180 | 236<br>210 | 861<br>M24 | Φ450<br>10 | | | |
| **GFF157** | 725<br>Φ22 | 28<br>Φ600 | 6<br>660 | Φ120m6<br>32 | Φ550h6<br>127 | Φ660<br>5 | 447<br>200 | 286<br>210 | 1021<br>M24 | Φ550<br>15 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

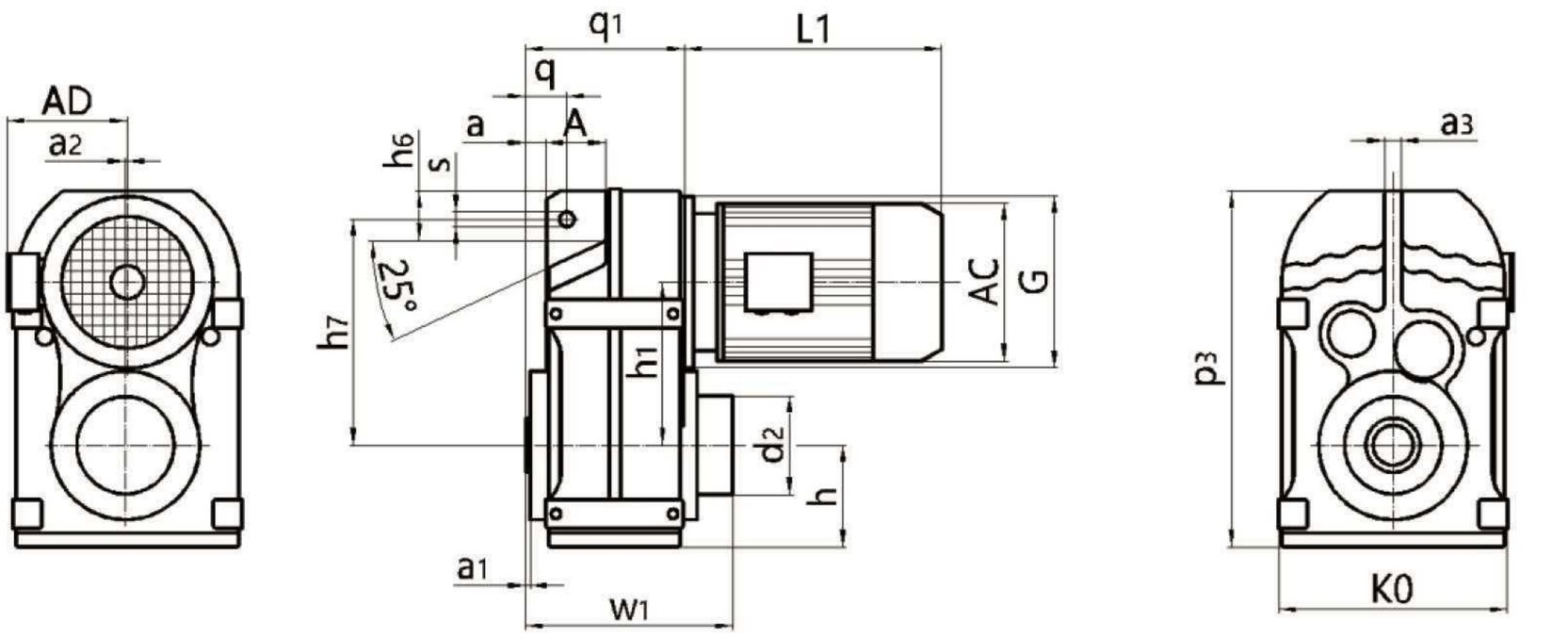
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

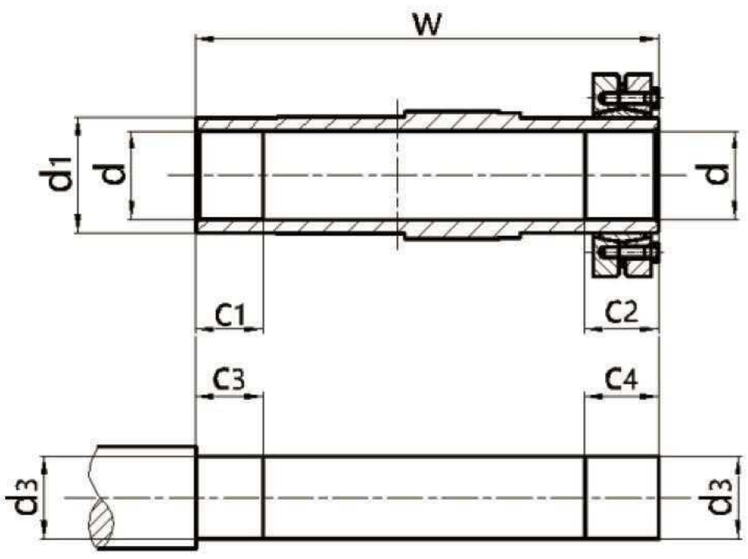
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

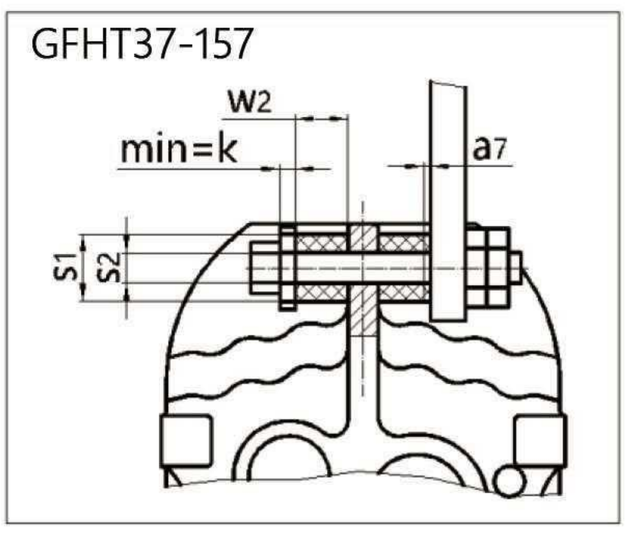
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GFA37-157
## 安装结构尺寸

## GFA37-157
## Mounting Dimensional Description




螺栓、螺母、垫片均不在标准供货范围内

| 机 型 号<br>Type Size | $q_1$<br>$a_2$ | q<br>d | A<br>$d_1$ | a<br>w | $h_7$<br>$c_1$ | $h_6$<br>s | $h_1$<br>u | h<br>t | $a_1$<br>$s_1$ | e<br>$s_2$ | $w_1$<br>k | $p_3$<br>$w_2$ | $a_3$<br>$a_7$ | K0<br>G | $c_2$<br>M | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | AC | AD | L1 |
| **GFA37** | 110<br>/ | 31.5<br>Φ30H7 | 46<br>Φ45 | 15<br>60 | 158<br>17 | 30<br>Φ14 | 112<br>8 | 77<br>33.3 | 2.5<br>Φ40 | 95<br>$\Phi12.5^{+0.5}$ | 123<br>5 | 256<br>20 | 12<br>1 | 165<br>Φ120 | 105<br>M10×25 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| **GFA47** | 133<br>/ | 32<br>Φ35H7 | 64<br>Φ50 | 12<br>75 | 170<br>22 | 22<br>Φ14 | 128.1<br>10 | 80<br>38.3 | 3<br>Φ40 | 109<br>$\Phi12.5^{+0.5}$ | 153<br>5 | 276<br>20 | 12<br>1.8 | 180<br>Φ120 | 132<br>M12×30 | | | |
| **GFA57** | 150<br>/ | 40.5<br>Φ40H7 | 60<br>Φ55 | 19.5<br>83 | 198<br>29 | 31<br>Φ14 | 136<br>12 | 93<br>43.3 | 3<br>Φ40 | 127<br>$\Phi12.5^{+0.5}$ | 170<br>5 | 321<br>20 | 14<br>2.4 | 200<br>Φ160 | 142<br>M16×40 | | | |
| **GFA67** | 161<br>/ | 41<br>Φ40H7 | 65<br>Φ55 | 21<br>90 | 218<br>29 | 40<br>Φ14 | 159.5<br>12 | 97<br>43.3 | 3.5<br>Φ40 | 131<br>$\Phi12.5^{+0.5}$ | 184<br>5 | 348<br>20 | 16<br>3 | 212<br>Φ160 | 156<br>M16×40 | | | |
| **GFA77** | 193<br>/ | 50<br>Φ50H7 | 69<br>Φ70 | 26.5<br>105 | 278<br>32 | 50<br>Φ22 | 200<br>14 | 122<br>53.8 | 4<br>Φ60 | 170<br>$\Phi21^{+0.5}$ | 213<br>10 | 430<br>30 | 20<br>3.2 | 270<br>Φ200 | 183<br>M16×45 | | | |
| **GFA87** | 224<br>/ | 62<br>Φ60H7 | 79<br>Φ85 | 32<br>120 | 346<br>36 | 57<br>Φ22 | 246.7<br>18 | 150<br>64.4 | 4<br>Φ60 | 195<br>$\Phi21^{+0.5}$ | 243<br>10 | 534<br>30 | 26<br>4.5 | 330<br>Φ250 | 210<br>M20×50 | | | |
| **GFA97** | 274<br>/ | 70<br>Φ70H7 | 104<br>Φ95 | 32<br>150 | 395<br>34 | 88<br>Φ26 | 285<br>20 | 180<br>74.9 | 4<br>Φ80 | 240<br>$\Phi25^{+0.5}$ | 303<br>12 | 630<br>40 | 30<br>5 | 400<br>Φ300 | 270<br>M20×50 | | | |
| **GFA107** | 312<br>/ | 88<br>Φ90H7 | 100<br>Φ118 | 57<br>175 | 485<br>40 | 108<br>Φ26 | 332.4<br>25 | 201<br>95.4 | 2.5<br>Φ80 | 260<br>$\Phi25^{+0.5}$ | 353<br>12 | 723<br>40 | 36<br>6 | 450<br>Φ350 | 313<br>M24×60 | | | |
| **GFA127** | 373<br>10 | 110<br>Φ100H7 | 125<br>Φ135 | 66<br>205 | 550<br>38 | 138<br>Φ33 | 382.6<br>28 | 236<br>106.4 | 2.5<br>Φ100 | 316<br>$\Phi32^{+0.5}$ | 413<br>15 | 861<br>60 | 40<br>9 | 530<br>Φ450 | 373<br>M24×60 | | | |
| **GFA157** | 455<br>15 | 150<br>Φ120H7 | 140<br>Φ155 | 98<br>250 | 660<br>36 | 170<br>Φ33 | 447<br>32 | 286<br>127.4 | 3<br>Φ120 | 364<br>$\Phi32^{+0.5}$ | 503<br>15 | 1021<br>60 | 45<br>9 | 660<br>Φ550 | 460<br>M24×60 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

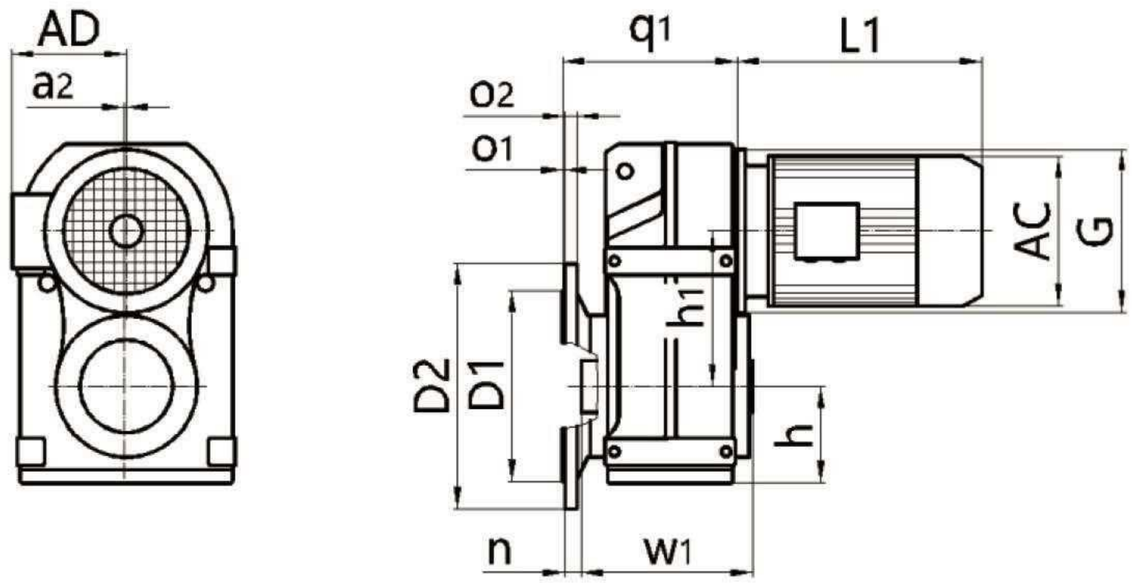
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

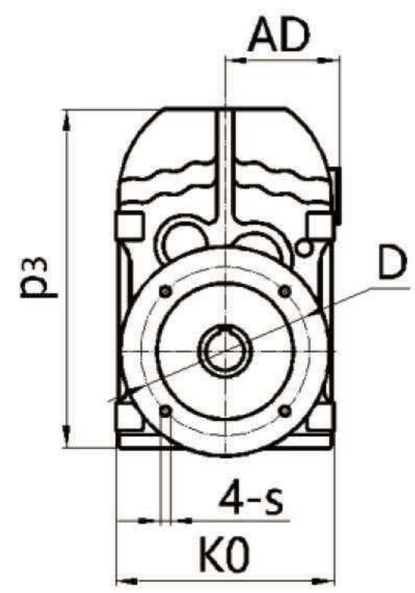
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

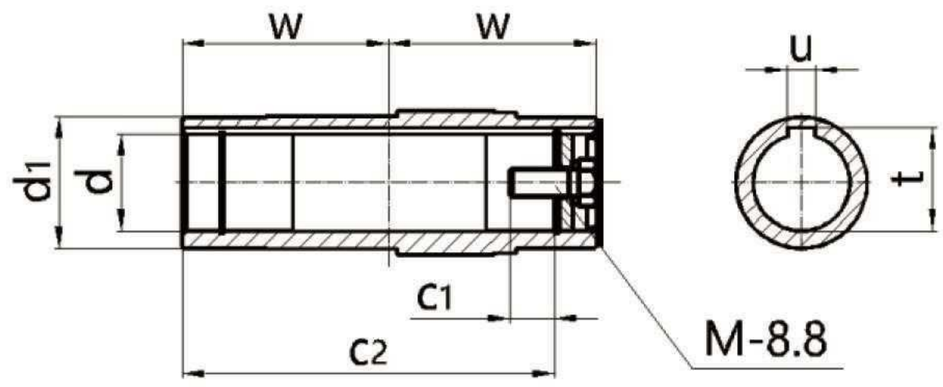
## GFAF37-157
## 安装结构尺寸

## GFAF37-157
## Mounting Dimensional Description

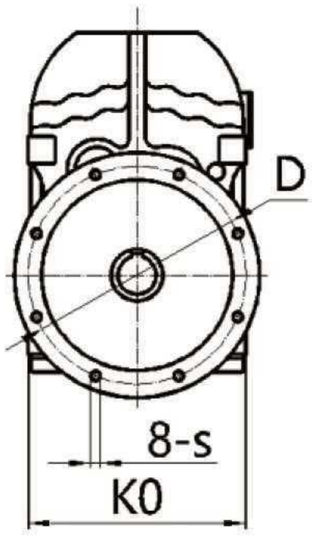



GFAF37-87




GFAF97-157




| 机 型 号<br>Type Size | $q_1$<br>K0 | $o_1$<br>$a_2$ | $o_2$<br>d | D1<br>$d_1$ | D2<br>w | $h_1$<br>$c_1$ | h<br>n | $w_1$<br>u | $p_3$<br>t | s<br>D | G<br>$c_2$ | M | 电机尺寸 Motor Size<br>AC | <br>AD | <br>L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GFAF37 | 137.5<br>165 | 3.5<br>/ | 10<br>Φ30H7 | Φ110j6<br>Φ45 | Φ160<br>60 | 112<br>17 | 77<br>24 | 123<br>8 | 256<br>33.3 | Φ9<br>Φ130 | Φ120<br>105 | M10×25 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GFAF47 | 161.5<br>180 | 3.5<br>/ | 12<br>Φ35H7 | Φ130j6<br>Φ50 | Φ200<br>75 | 128.1<br>22 | 80<br>25 | 153<br>10 | 276<br>38.3 | Φ11<br>Φ165 | Φ120<br>132 | M12×30 | | | |
| GFAF57 | 177.5<br>200 | 4<br>/ | 15<br>Φ40H7 | Φ180j6<br>Φ55 | Φ250<br>83 | 136<br>29 | 93<br>23.5 | 170<br>12 | 321<br>43.3 | Φ13.5<br>Φ215 | Φ160<br>142 | M16×40 | | | |
| GFAF67 | 188<br>212 | 4<br>/ | 15<br>Φ40H7 | Φ180j6<br>Φ55 | Φ250<br>90 | 159.5<br>29 | 97<br>23 | 184<br>12 | 348<br>43.3 | Φ13.5<br>Φ215 | Φ160<br>156 | M16×40 | | | |
| GFAF77 | 234<br>270 | 4<br>/ | 16<br>Φ50H7 | Φ230j6<br>Φ70 | Φ300<br>105 | 200<br>32 | 122<br>37 | 213<br>14 | 430<br>53.8 | Φ13.5<br>Φ265 | Φ200<br>183 | M16×45 | | | |
| GFAF87 | 259<br>330 | 5<br>/ | 18<br>Φ60H7 | Φ250h6<br>Φ85 | Φ350<br>120 | 246.7<br>36 | 150<br>30 | 243<br>18 | 534<br>64.4 | Φ17.5<br>Φ300 | Φ250<br>210 | M20×50 | | | |
| GFAF97 | 320.5<br>400 | 5<br>/ | 22<br>Φ70H7 | Φ350h6<br>Φ95 | Φ450<br>150 | 285<br>34 | 180<br>41.5 | 303<br>20 | 630<br>74.9 | Φ17.5<br>Φ400 | Φ300<br>270 | M20×50 | | | |
| GFAF107 | 358<br>450 | 5<br>/ | 22<br>Φ90H7 | Φ350h6<br>Φ118 | Φ450<br>175 | 332.4<br>40 | 201<br>41 | 353<br>25 | 723<br>95.4 | Φ17.5<br>Φ400 | Φ350<br>313 | M24×60 | | | |
| GFAF127 | 429<br>530 | 5<br>10 | 25<br>Φ100H7 | Φ450h6<br>Φ135 | Φ550<br>205 | 382.6<br>38 | 236<br>51 | 413<br>28 | 861<br>106.4 | Φ17.5<br>Φ500 | Φ450<br>373 | M24×60 | | | |
| GFAF157 | 521<br>660 | 6<br>15 | 28<br>Φ120H7 | Φ550h6<br>Φ155 | Φ660<br>250 | 447<br>36 | 286<br>60 | 503<br>32 | 1021<br>127.4 | Φ22<br>Φ600 | Φ550<br>460 | M24×60 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

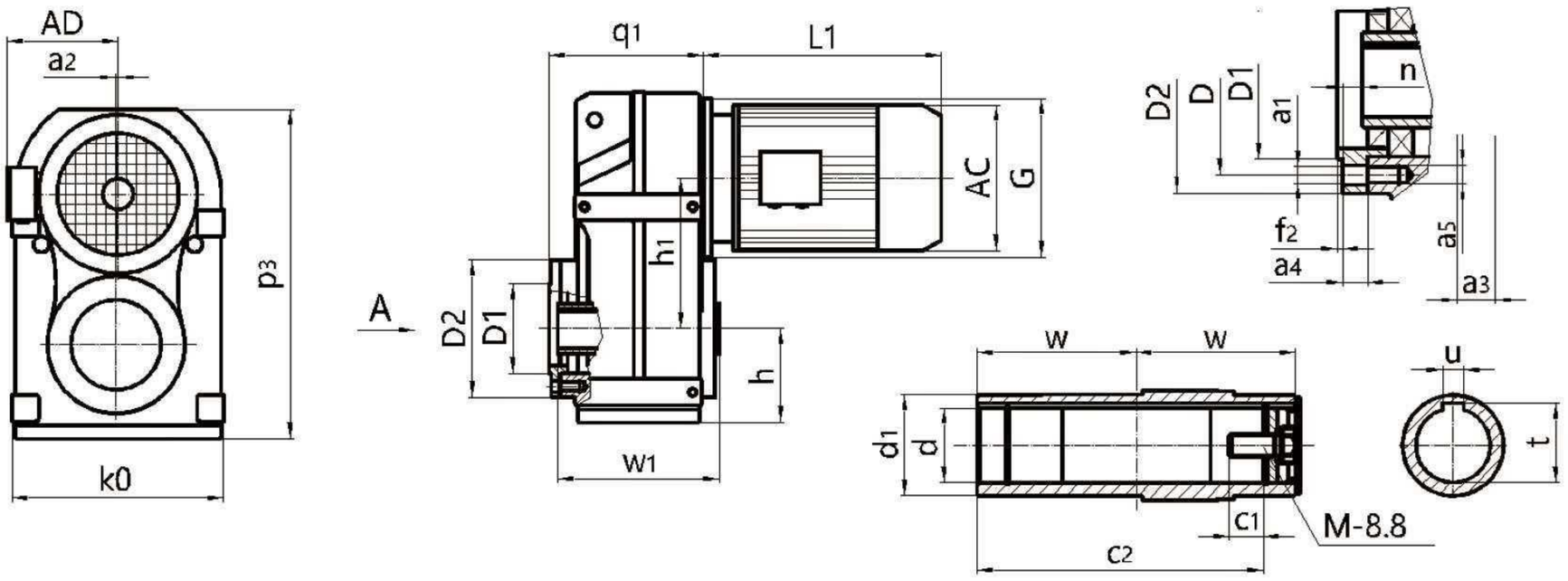
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

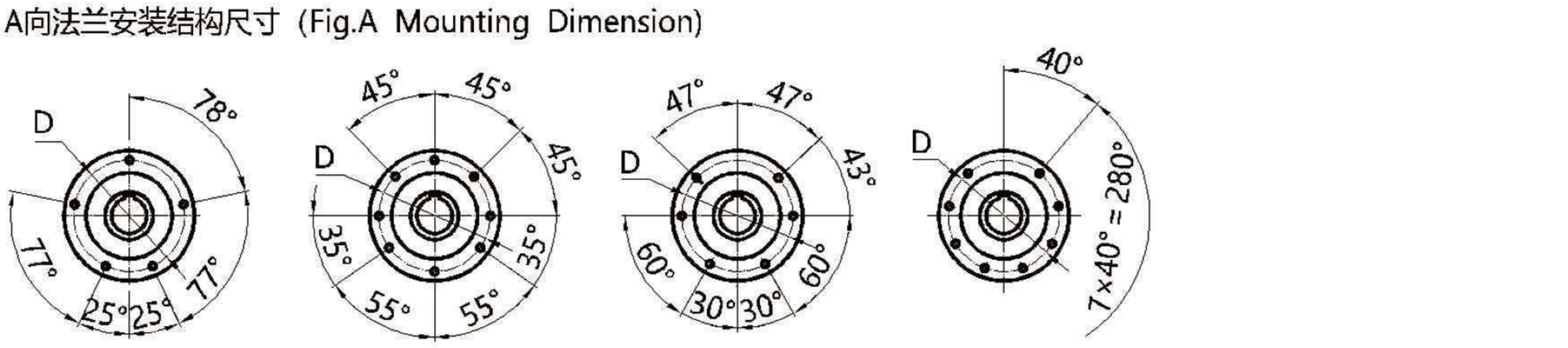
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GFAZ37-157
## 安装结构尺寸

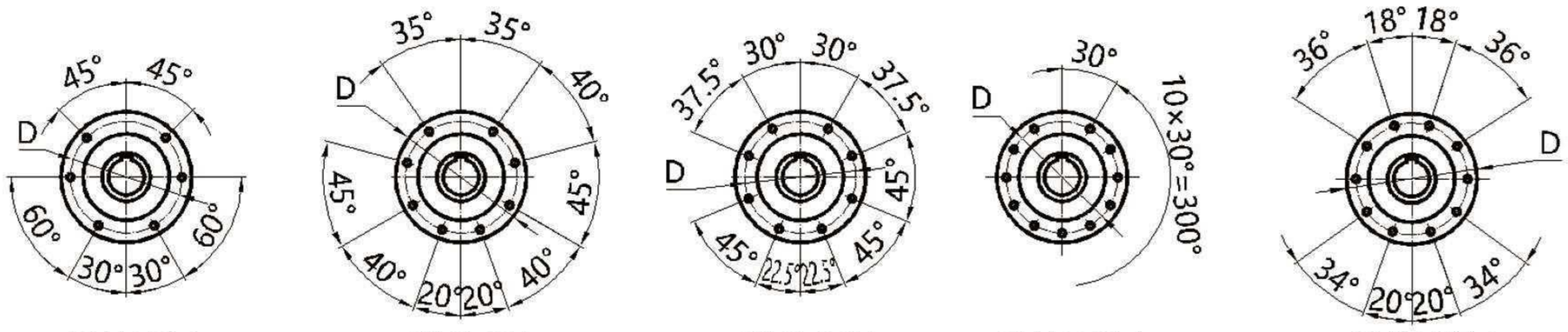
## GFAZ37-157
## Mounting Dimensional Description




A向法兰安装结构尺寸 (Fig.A Mounting Dimension)




GFAZ37 GFAZ47 GFAZ57-67 GFAZ77




GFAZ87 GFAZ97 GFAZ107 GFAZ127 GFAZ157

| 机 型 号<br>Type Size | $q_1$<br>k0 | h<br>$h_1$ | t<br>D | D2<br>D1 | $p_3$<br>n | $a_4$<br>$a_3$ | $a_5$<br>$w_1$ | w<br>$c_1$ | $c_2$<br>u | $d_1$<br>d | $a_2$<br>$f_2$ | $a_1$<br>M | G | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | AC | AD | L1 |
| **GFAZ37** | 122<br>165 | 77<br>112 | 33.3<br>Φ94 | Φ110<br>Φ80j6 | 256<br>9 | 11.5<br>15 | M8<br>123 | 60<br>17 | 105<br>8 | Φ45<br>Φ30H7 | /<br>3 | Φ9<br>M10×25 | Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| **GFAZ47** | 144<br>180 | 80<br>128.1 | 38.3<br>Φ102 | Φ120<br>Φ80j6 | 276<br>8 | 11<br>14 | M8<br>153 | 75<br>22 | 132<br>10 | Φ50<br>Φ35H7 | /<br>3 | Φ9<br>M12×30 | Φ120 | | | |
| **GFAZ57** | 162.5<br>200 | 93<br>136 | 43.3<br>Φ125 | Φ155<br>Φ105j6 | 321<br>9 | 12<br>20 | M12<br>170 | 83<br>29 | 142<br>12 | Φ55<br>Φ40H7 | /<br>3.5 | Φ13.5<br>M16×40 | Φ160 | | | |
| **GFAZ67** | 173<br>212 | 97<br>159.5 | 43.3<br>Φ125 | Φ155<br>Φ105j6 | 348<br>8.5 | 12<br>22 | M12<br>184 | 90<br>29 | 156<br>12 | Φ55<br>Φ40H7 | /<br>3.5 | Φ13.5<br>M16×40 | Φ160 | | | |
| **GFAZ77** | 206.5<br>270 | 122<br>200 | 53.8<br>Φ142 | Φ170<br>Φ125j6 | 430<br>10 | 14<br>20 | M12<br>213 | 105<br>32 | 183<br>14 | Φ70<br>Φ50H7 | /<br>3.5 | Φ13.5<br>M16×45 | Φ200 | | | |
| **GFAZ87** | 239<br>330 | 150<br>246.7 | 64.4<br>Φ178 | Φ215<br>Φ155j6 | 534<br>11 | 15<br>29 | M16<br>243 | 120<br>36 | 210<br>18 | Φ85<br>Φ60H7 | /<br>4 | Φ17.5<br>M20×50 | Φ250 | | | |
| **GFAZ97** | 292<br>400 | 180<br>285 | 74.9<br>Φ220 | Φ260<br>Φ180j6 | 630<br>14 | 18<br>28 | M16<br>303 | 150<br>34 | 270<br>20 | Φ95<br>Φ70H7 | /<br>4 | Φ17.5<br>M20×50 | Φ300 | | | |
| **GFAZ107** | 308<br>450 | 201<br>332.4 | 95.4<br>Φ260 | Φ304<br>Φ210j6 | 723<br>-8 | 22<br>32 | M20<br>353 | 175<br>40 | 313<br>25 | Φ118<br>Φ90H7 | /<br>4 | Φ22<br>M24×60 | Φ350 | | | |
| **GFAZ127** | 378<br>530 | 236<br>382.6 | 106.4<br>Φ300 | Φ350<br>Φ250h6 | 861<br>0 | 30<br>36 | M20<br>413 | 205<br>38 | 373<br>28 | Φ135<br>Φ100H7 | 10<br>5 | Φ22<br>M24×60 | Φ450 | | | |
| **GFAZ157** | 455<br>660 | 286<br>447 | 127.4<br>Φ340 | Φ400<br>Φ290h6 | 1021<br>-14 | 28<br>48 | M24<br>503 | 250<br>36 | 460<br>32 | Φ155<br>Φ120H7 | 15<br>5 | Φ26<br>M24×60 | Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

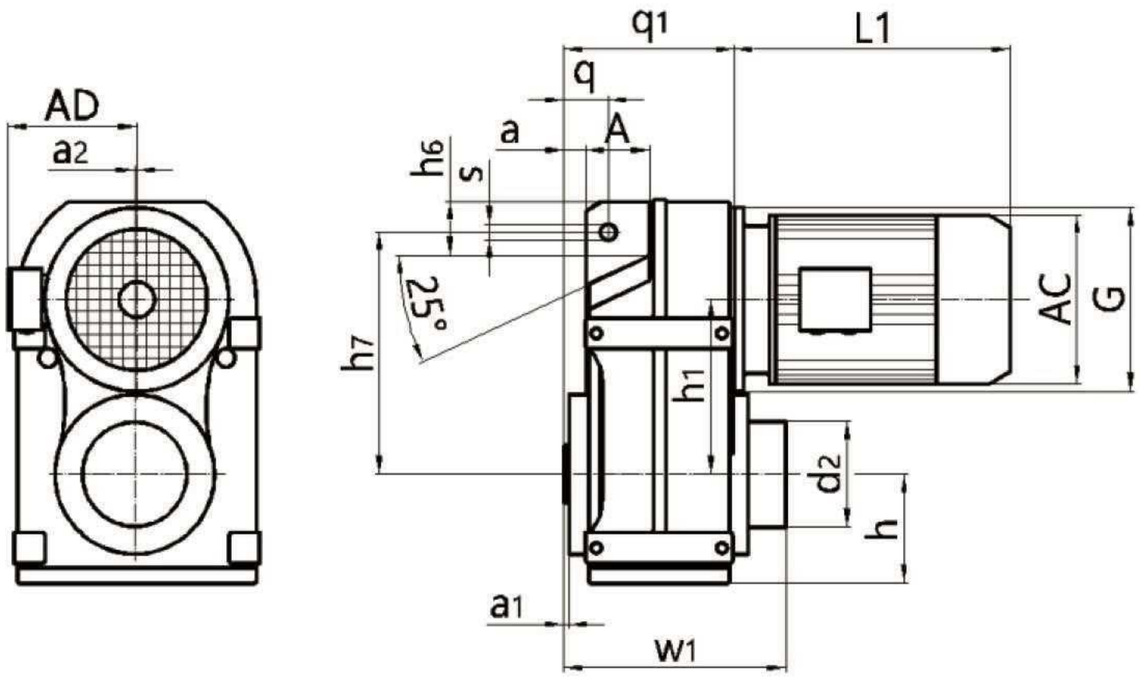
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

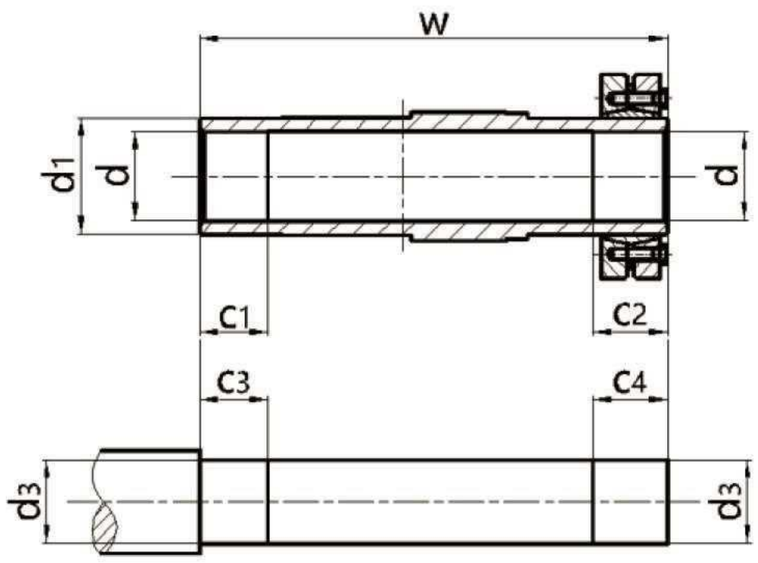
2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

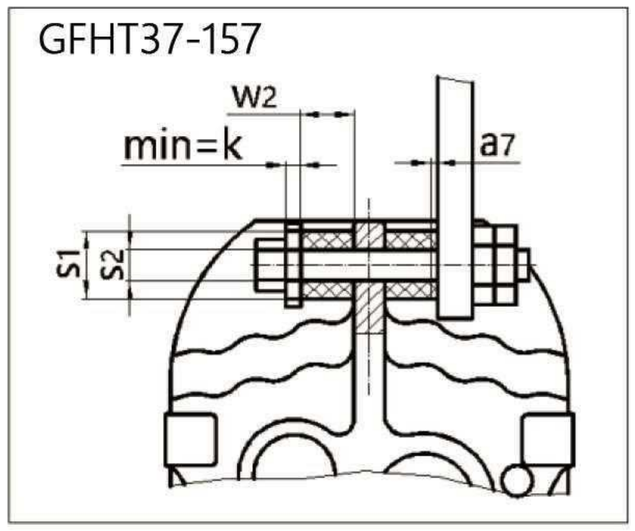
F

## GFH37-157
## 安装结构尺寸

## GFH37-157
## Mounting Dimensional Description




螺栓、螺母、垫片均不在标准供货范围内

| 机 型 号<br>Type Size | $q_1$<br>$p_3$ | h<br>$h_1$ | $h_7$<br>$h_6$ | w<br>$w_1$ | $c_2$<br>$c_1$ | $c_3$<br>$c_4$ | q<br>A | $d_2$<br>$d_1$ | d<br>$d_3$ | a<br>$a_1$ | s<br>$a_2$ | $a_3$<br>K0 | $s_1$<br>$s_2$ | k<br>$w_2$ | $a_7$<br>G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **GFH37** | 110<br>256 | 77<br>112 | 158<br>30 | 146<br>152.5 | 31<br>20 | 25<br>36 | 31.5<br>46 | Φ80<br>Φ45 | Φ30H7<br>Φ30h6 | 15<br>2.5 | Φ14<br>/ | 12<br>165 | Φ40<br>Φ12.5$^{+0.5}$ | 5<br>20 | 1<br>Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| **GFH47** | 133<br>276 | 80<br>128.1 | 170<br>22 | 177<br>183 | 32<br>20 | 25<br>37 | 32<br>64 | Φ88<br>Φ50 | Φ35H7<br>Φ35h6 | 12<br>3 | Φ14<br>/ | 12<br>180 | Φ40<br>Φ12.5$^{+0.5}$ | 5<br>20 | 1.8<br>Φ120 | | | |
| **GFH57** | 150<br>321 | 93<br>136 | 198<br>31 | 195<br>202 | 26<br>20 | 25<br>31 | 40.5<br>60 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 19.5<br>3 | Φ14<br>/ | 14<br>200 | Φ40<br>Φ12.5$^{+0.5}$ | 5<br>20 | 2.4<br>Φ160 | | | |
| **GFH67** | 161<br>348 | 97<br>159.5 | 218<br>40 | 208<br>215.5 | 38<br>20 | 25<br>43 | 41<br>65 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 21<br>3.5 | Φ14<br>/ | 16<br>212 | Φ40<br>Φ12.5$^{+0.5}$ | 5<br>20 | 3<br>Φ160 | | | |
| **GFH77** | 193<br>430 | 122<br>200 | 278<br>50 | 241<br>249 | 36<br>30 | 35<br>41 | 50<br>69 | Φ127<br>Φ70 | Φ50H7<br>Φ50h6 | 26.5<br>4 | Φ22<br>/ | 20<br>270 | Φ60<br>Φ21$^{+0.5}$ | 10<br>30 | 3.2<br>Φ200 | | | |
| **GFH87** | 224<br>534 | 150<br>246.7 | 346<br>57 | 281<br>287 | 41<br>40 | 45<br>46 | 62<br>79 | Φ157<br>Φ85 | Φ65H7<br>Φ65h6 | 32<br>4 | Φ22<br>/ | 26<br>330 | Φ60<br>Φ21$^{+0.5}$ | 10<br>30 | 4.5<br>Φ250 | | | |
| **GFH97** | 274<br>630 | 180<br>285 | 395<br>88 | 345<br>352 | 55<br>50 | 55<br>60 | 70<br>104 | Φ171<br>Φ95 | Φ75H7<br>Φ75h6 | 34<br>4 | Φ26<br>/ | 30<br>400 | Φ80<br>Φ25$^{+0.5}$ | 12<br>40 | 5<br>Φ300 | | | |
| **GFH107** | 312<br>723 | 201<br>332.4 | 485<br>108 | 405<br>417 | 65<br>60 | 70<br>75 | 88<br>100 | Φ234<br>Φ118 | Φ95H7<br>Φ95h6 | 57<br>2.5 | Φ26<br>/ | 36<br>450 | Φ80<br>Φ25$^{+0.5}$ | 12<br>40 | 6<br>Φ350 | | | |
| **GFH127** | 373<br>861 | 236<br>382.6 | 550<br>138 | 485<br>493 | 85<br>70 | 80<br>95 | 110<br>125 | Φ233<br>Φ135 | Φ105H7<br>Φ105h6 | 66<br>2.5 | Φ33<br>10 | 40<br>530 | Φ100<br>Φ32$^{+0.5}$ | 15<br>60 | 9<br>Φ450 | | | |
| **GFH157** | 455<br>1021 | 286<br>447 | 660<br>170 | 580<br>592 | 90<br>80 | 90<br>100 | 150<br>140 | Φ287<br>Φ155 | Φ125H7<br>Φ125h6 | 98<br>3 | Φ33<br>15 | 45<br>660 | Φ120<br>Φ32$^{+0.5}$ | 15<br>60 | 9<br>Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

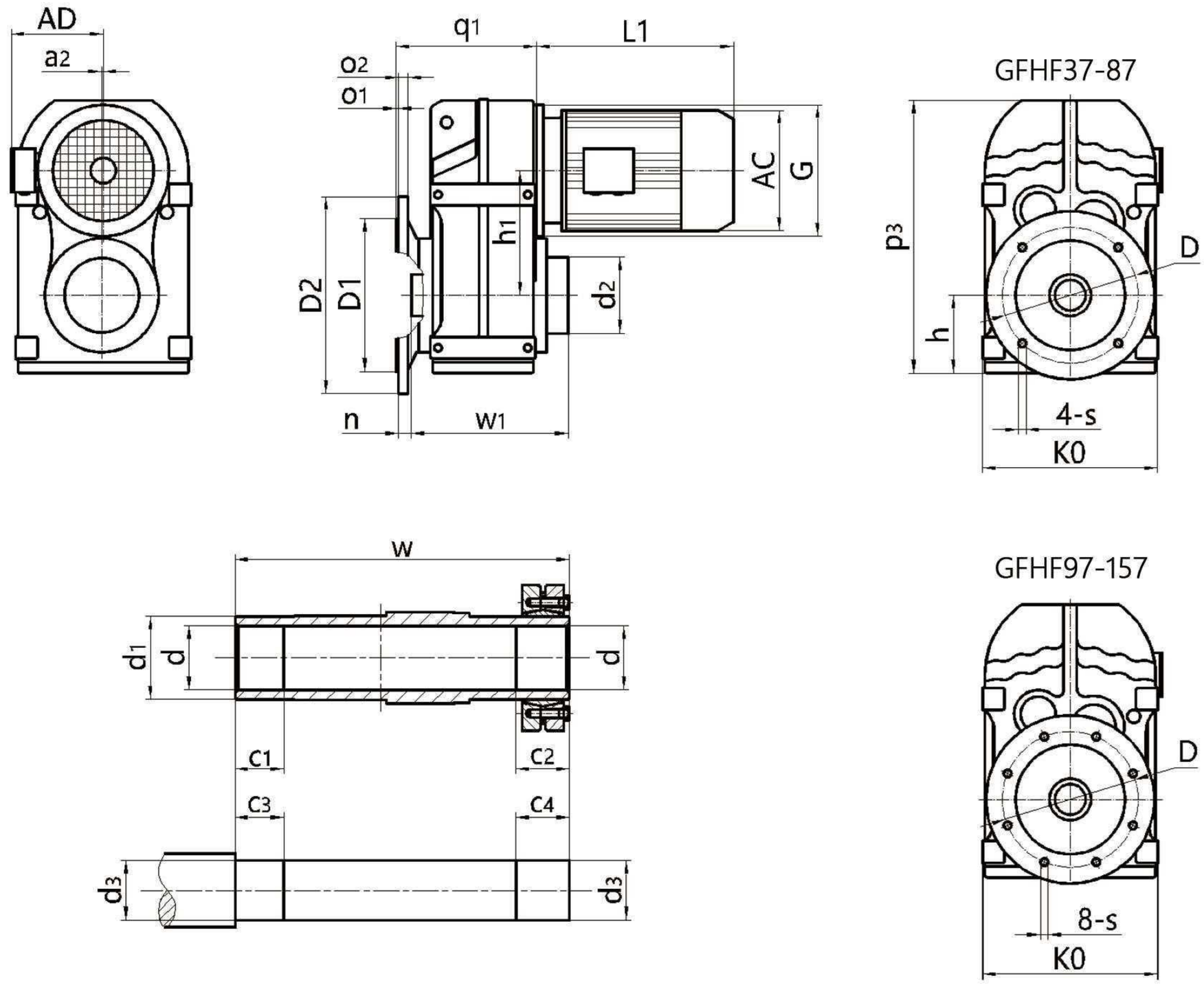
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GFHF37-157
## 安装结构尺寸

## GFHF37-157
## Mounting Dimensional Description




| 机 型 号<br>Type Size | $q_1$<br>$p_3$ | $o_1$<br>$o_2$ | h<br>$h_1$ | n<br>s | K0<br>D | D1<br>D2 | $d_2$<br>$d_1$ | d<br>$d_3$ | w<br>$w_1$ | $c_1$<br>$c_2$ | $c_3$<br>$c_4$ | $a_2$<br>G | 电机尺寸 Motor Size<br>AC | AD | L1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GFHF37 | 137.5<br>256 | 3.5<br>10 | 77<br>112 | 24<br>Φ9 | 165<br>Φ130 | Φ110j6<br>Φ160 | Φ80<br>Φ45 | Φ30H7<br>Φ30h6 | 146<br>152.5 | 20<br>31 | 25<br>36 | /<br>Φ120 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GFHF47 | 161.5<br>276 | 3.5<br>12 | 80<br>128.1 | 25<br>Φ11 | 180<br>Φ165 | Φ130j6<br>Φ200 | Φ88<br>Φ50 | Φ35H7<br>Φ35h6 | 177<br>183 | 20<br>32 | 25<br>37 | /<br>Φ120 | | | |
| GFHF57 | 177.5<br>321 | 4<br>15 | 93<br>136 | 23.5<br>Φ13.5 | 200<br>Φ215 | Φ180j6<br>Φ250 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 195<br>202 | 20<br>26 | 25<br>31 | /<br>Φ160 | | | |
| GFHF67 | 188<br>348 | 4<br>15 | 97<br>159.5 | 23<br>Φ13.5 | 212<br>Φ215 | Φ180j6<br>Φ250 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | 208<br>215.5 | 20<br>38 | 25<br>43 | /<br>Φ160 | | | |
| GFHF77 | 234<br>430 | 4<br>16 | 122<br>200 | 37<br>Φ13.5 | 270<br>Φ265 | Φ230j6<br>Φ300 | Φ127<br>Φ70 | Φ50H7<br>Φ50h6 | 241<br>249 | 30<br>36 | 35<br>41 | /<br>Φ200 | | | |
| GFHF87 | 259<br>534 | 5<br>18 | 150<br>246.7 | 30<br>Φ17.5 | 330<br>Φ300 | Φ250h6<br>Φ350 | Φ157<br>Φ85 | Φ65H7<br>Φ65h6 | 281<br>287 | 40<br>41 | 45<br>46 | /<br>Φ250 | | | |
| GFHF97 | 320.5<br>630 | 5<br>22 | 180<br>285 | 41.5<br>Φ17.5 | 400<br>Φ400 | Φ350h6<br>Φ450 | Φ171<br>Φ95 | Φ75H7<br>Φ75h6 | 345<br>352 | 50<br>55 | 55<br>60 | /<br>Φ300 | | | |
| GFHF107 | 358<br>723 | 5<br>22 | 201<br>332.4 | 41<br>Φ17.5 | 450<br>Φ400 | Φ350h6<br>Φ450 | Φ234<br>Φ118 | Φ95H7<br>Φ95h6 | 405<br>417 | 60<br>65 | 70<br>75 | /<br>Φ350 | | | |
| GFHF127 | 429<br>861 | 5<br>25 | 236<br>382.6 | 51<br>Φ17.5 | 530<br>Φ500 | Φ450h6<br>Φ550 | Φ233<br>Φ135 | Φ105H7<br>Φ105h6 | 485<br>493 | 70<br>85 | 80<br>95 | 10<br>Φ450 | | | |
| GFHF157 | 521<br>1021 | 6<br>28 | 286<br>447 | 60<br>Φ22 | 660<br>Φ600 | Φ550h6<br>Φ660 | Φ287<br>Φ155 | Φ125H7<br>Φ125h6 | 580<br>592 | 80<br>90 | 90<br>100 | 15<br>Φ550 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

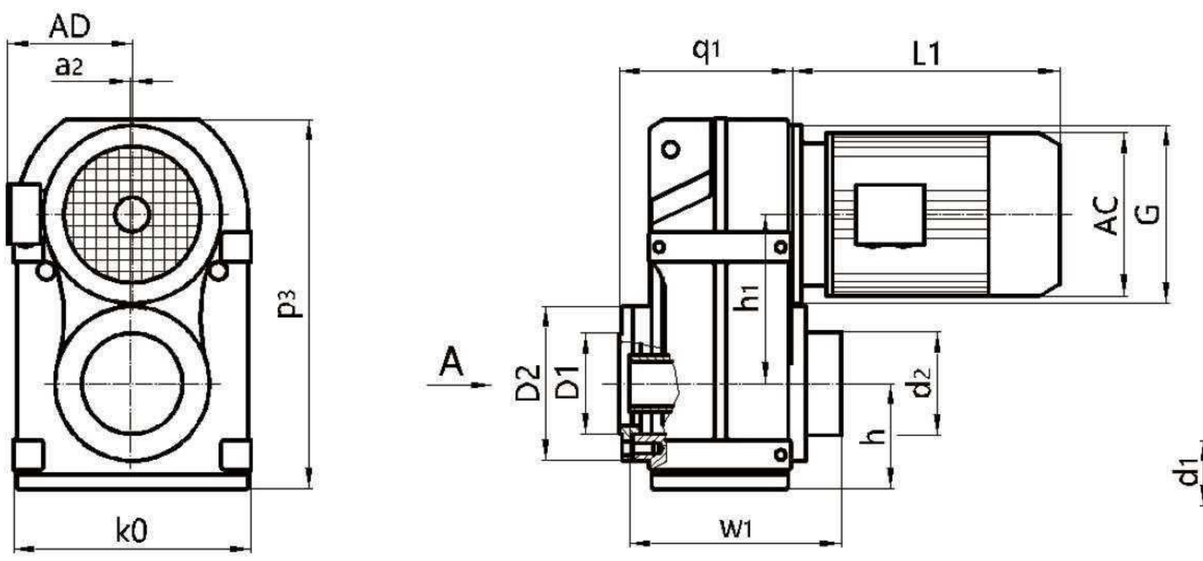
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

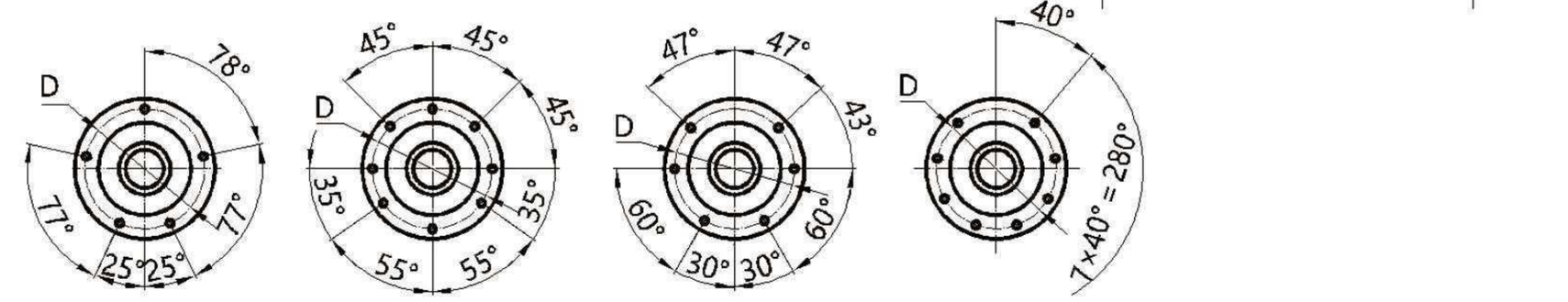
F

## GFHZ37-17
## 安装结构尺寸

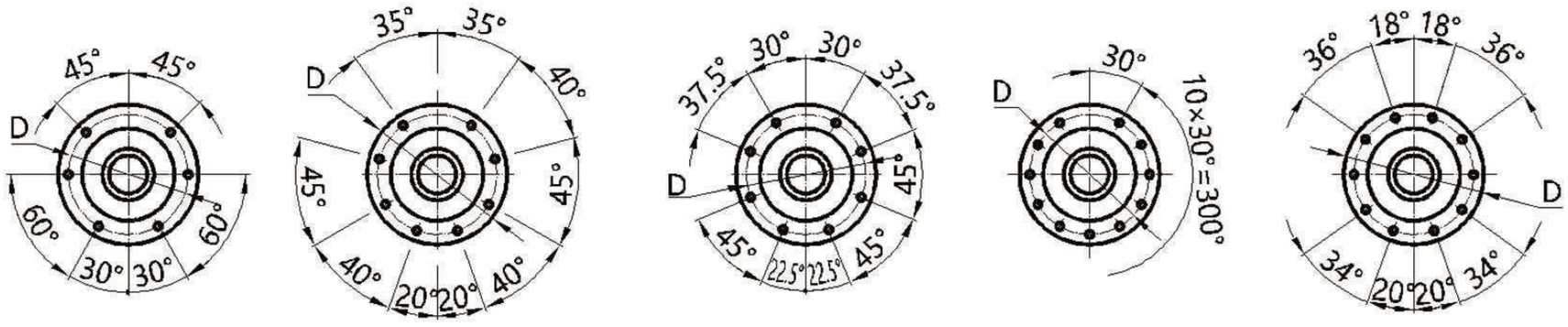
## GFHZ37-17
## Mounting Dimensional Description




A向法兰安装结构尺寸 (Fig.A Mounting Dimension)




GFHZ37 GFHZ47 GFHZ57-67 GFHZ77




GFHZ87 GFHZ77 GFHZ107 GFHZ127 GFHZ157

| 机 型 号<br>Type Size | $q_1$<br>K0 | h<br>$h_1$ | D2<br>D1 | $p_3$<br>n | $a_4$<br>$a_3$ | $a_5$<br>G | w<br>$w_1$ | $c_2$<br>$c_1$ | $c_3$<br>$c_4$ | $d_2$<br>$d_1$ | d<br>$d_3$ | $a_2$<br>$f_2$ | $a_1$<br>D | 电机尺寸 Motor Size | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | AC | AD | L1 |
| GFHZ37 | 122<br>165 | 77<br>112 | Φ110<br>Φ80j6 | 256<br>9 | 11.5<br>15 | M8<br>Φ120 | 146<br>152.5 | 31<br>20 | 25<br>36 | Φ80<br>Φ45 | Φ30H7<br>Φ30h6 | /<br>3 | Φ9<br>Φ94 | 见附录<br>A-2 和 A-3<br><br>Please see appendix A-2 and A-3 | | |
| GFHZ47 | 144<br>180 | 80<br>128.1 | Φ120<br>Φ80j6 | 276<br>8 | 11<br>14 | M8<br>Φ120 | 177<br>183 | 32<br>20 | 25<br>37 | Φ88<br>Φ50 | Φ35H7<br>Φ35h6 | /<br>3 | Φ9<br>Φ102 | | | |
| GFHZ57 | 162.5<br>200 | 93<br>136 | Φ155<br>Φ105j6 | 321<br>9 | 12<br>20 | M12<br>Φ160 | 195<br>202 | 26<br>20 | 25<br>31 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | /<br>3.5 | Φ13.5<br>Φ125 | | | |
| GFHZ67 | 173<br>212 | 97<br>159.5 | Φ155<br>Φ105j6 | 348<br>8.5 | 12<br>22 | M12<br>Φ160 | 208<br>215.5 | 38<br>20 | 25<br>43 | Φ102<br>Φ55 | Φ40H7<br>Φ40h6 | /<br>3.5 | Φ13.5<br>Φ125 | | | |
| GFHZ77 | 206.5<br>270 | 122<br>200 | Φ170<br>Φ125j6 | 430<br>10 | 14<br>20 | M12<br>Φ200 | 241<br>249 | 36<br>30 | 35<br>41 | Φ127<br>Φ70 | Φ50H7<br>Φ50h6 | /<br>3.5 | Φ13.5<br>Φ142 | | | |
| GFHZ87 | 239<br>330 | 150<br>246.7 | Φ215<br>Φ155j6 | 534<br>11 | 15<br>29 | M16<br>Φ250 | 281<br>287 | 41<br>40 | 45<br>46 | Φ157<br>Φ85 | Φ65H7<br>Φ65h6 | /<br>4 | Φ17.5<br>Φ178 | | | |
| GFHZ97 | 292<br>400 | 180<br>285 | Φ260<br>Φ180j6 | 630<br>14 | 18<br>28 | M16<br>Φ300 | 345<br>352 | 55<br>50 | 55<br>60 | Φ171<br>Φ95 | Φ75H7<br>Φ75h6 | /<br>4 | Φ17.5<br>Φ220 | | | |
| GFHZ107 | 308<br>450 | 201<br>332.4 | Φ304<br>Φ210j6 | 723<br>-8 | 22<br>32 | M20<br>Φ350 | 405<br>417 | 65<br>60 | 70<br>75 | Φ234<br>Φ118 | Φ95H7<br>Φ95h6 | /<br>4 | Φ22<br>Φ260 | | | |
| GFHZ127 | 378<br>530 | 236<br>382.6 | Φ350<br>Φ250h6 | 861<br>0 | 30<br>36 | M20<br>Φ450 | 485<br>493 | 85<br>70 | 80<br>95 | Φ233<br>Φ135 | Φ105H7<br>Φ105h6 | 10<br>5 | Φ22<br>Φ300 | | | |
| GFHZ157 | 455<br>660 | 286<br>447 | Φ400<br>Φ290h6 | 1021<br>-14 | 28<br>48 | M24<br>Φ550 | 580<br>592 | 90<br>80 | 90<br>100 | Φ287<br>Φ155 | Φ125H7<br>Φ125h6 | 15<br>5 | Φ26<br>Φ340 | | | |

注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

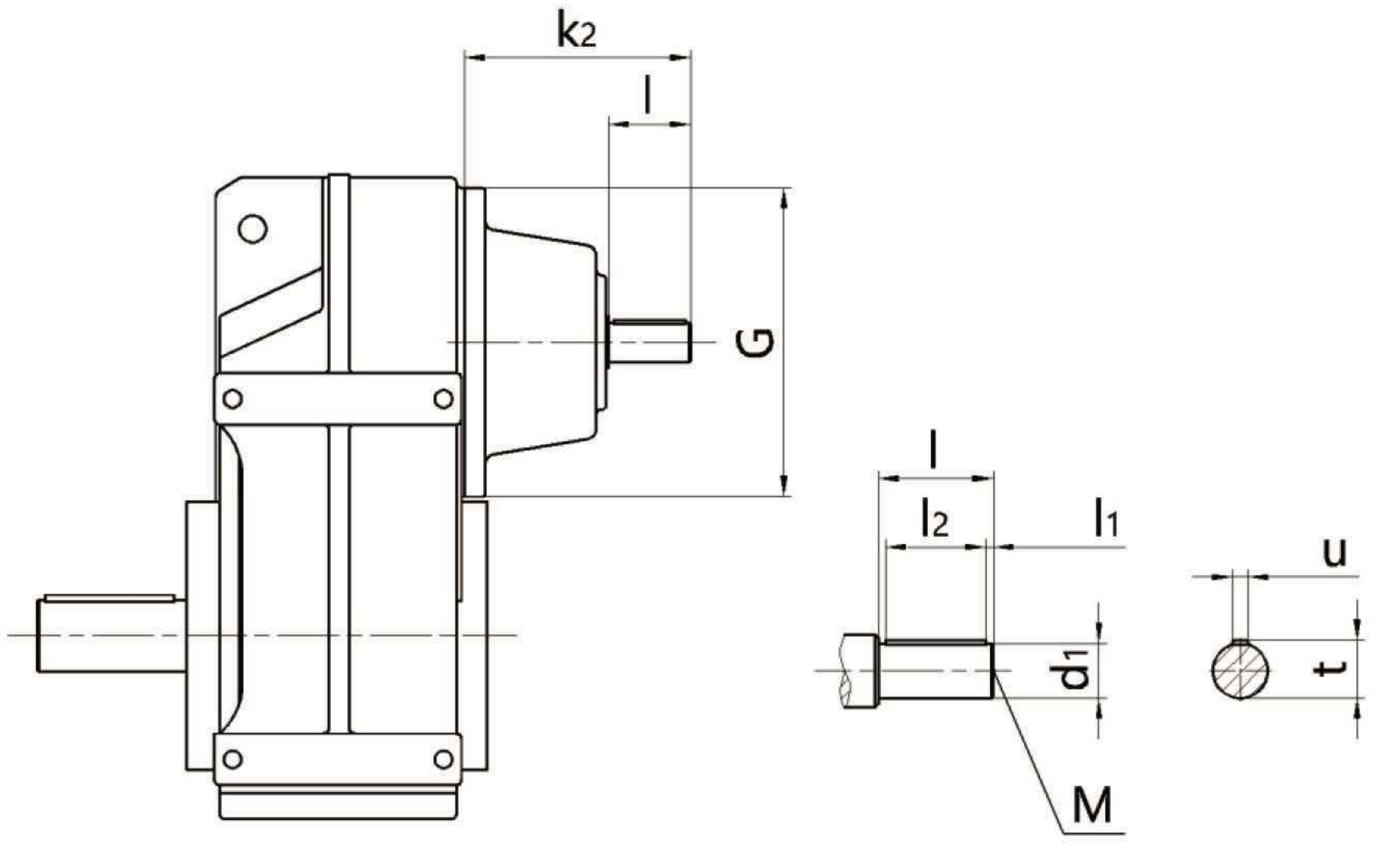
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## GF..37-157AD1-8
## 安装结构尺寸

## GF..37-157AD1-8
## Mounting Dimensional Description




| 机 型 号 Type Size | 规 格 Specification | 适用功率范围(kW)/4P Range Power | $d_1$ | G | $k_2$ | l | M | $l_1$ | $l_2$ | t | u |
|---|---|---|---|---|---|---|---|---|---|---|---|
| GF..37/47 | AD1 | 0.12-0.18 | 16k6 | Φ120 | 130 | 40 | M5 | 4 | 32 | 18 | 5 |
| | AD2 | 0.25-3 | 19k6 | Φ120 | 130 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| GF..57/67 | AD2 | 0.12-1.5 | 19k6 | Φ160 | 149 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-5.5 | 24k6 | Φ160 | 159 | 50 | M8 | 5 | 40 | 27 | 8 |
| GF..77 | AD2 | 0.37-1.5 | 19k6 | Φ200 | 184 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 24k6 | Φ200 | 194 | 50 | M8 | 5 | 40 | 27 | 8 |
| | AD4 | 5.5-11 | 38k6 | Φ200 | 224 | 80 | M12 | 5 | 70 | 41 | 10 |
| GF..87 | AD2 | 0.75-1.5 | 19k6 | Φ250 | 136 | 40 | M6 | 4 | 32 | 21.5 | 6 |
| | AD3 | 2.2-4 | 28k6 | Φ250 | 156 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ250 | 262 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ250 | 292 | 110 | M16 | 10 | 70 | 45 | 12 |
| GF..97 | AD3 | 1.1-4 | 28k6 | Φ300 | 194 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ300 | 214 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ300 | 327 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30 | 48k6 | Φ300 | 327 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| GF..107 | AD3 | 2.2-4 | 28k6 | Φ350 | 188 | 60 | M10 | 5 | 50 | 31 | 8 |
| | AD4 | 5.5-7.5 | 38k6 | Φ350 | 208 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ350 | 321 | 110 | M16 | 10 | 70 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ350 | 321 | 110 | M16 | 10 | 80 | 51.5 | 14 |
| GF..127 | AD4 | 7.5 | 38k6 | Φ450 | 270 | 80 | M12 | 5 | 70 | 41 | 10 |
| | AD5 | 11-22 | 42k6 | Φ450 | 300 | 110 | M16 | 10 | 90 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ450 | 300 | 110 | M16 | 10 | 90 | 51.5 | 14 |
| | AD7 | 55 | 55m6 | Φ450 | 300 | 110 | M20 | 10 | 90 | 59 | 16 |
| | AD8 | 75-90 | 70m6 | Φ450 | 383 | 140 | M20 | 15 | 110 | 74.5 | 20 |
| GF..157 | AD5 | 11-22 | 42k6 | Φ550 | 344 | 110 | M16 | 10 | 90 | 45 | 12 |
| | AD6 | 30-45 | 48k6 | Φ550 | 344 | 110 | M16 | 10 | 90 | 51.5 | 14 |
| | AD7 | 55-90 | 55m6 | Φ550 | 344 | 110 | M20 | 10 | 90 | 59 | 16 |
| | AD8 | 110-200 | 70m6 | Φ550 | 374 | 140 | M20 | 15 | 110 | 74.5 | 20 |

其它尺寸请参照 GF 型。

注： 1.GFA/GFAF/GFF/GFAZ/GH/GFHF/GFHF/GFHZ 均可采用双轴型，并分别记为 GFA..AD..、GFAF..AD..、GFF..AD..、GFAZ..AD..、GFH..AD..、GFHF..AD..和 GFHZ..AD..。

2.通过联轴器联接，可直接参考上表功率范围；若电机和减速机之间是通过其他极数电机、齿轮、链轮、皮带轮等传动方式联接，需客户自行转换。

For other dimensions，see the type GF.

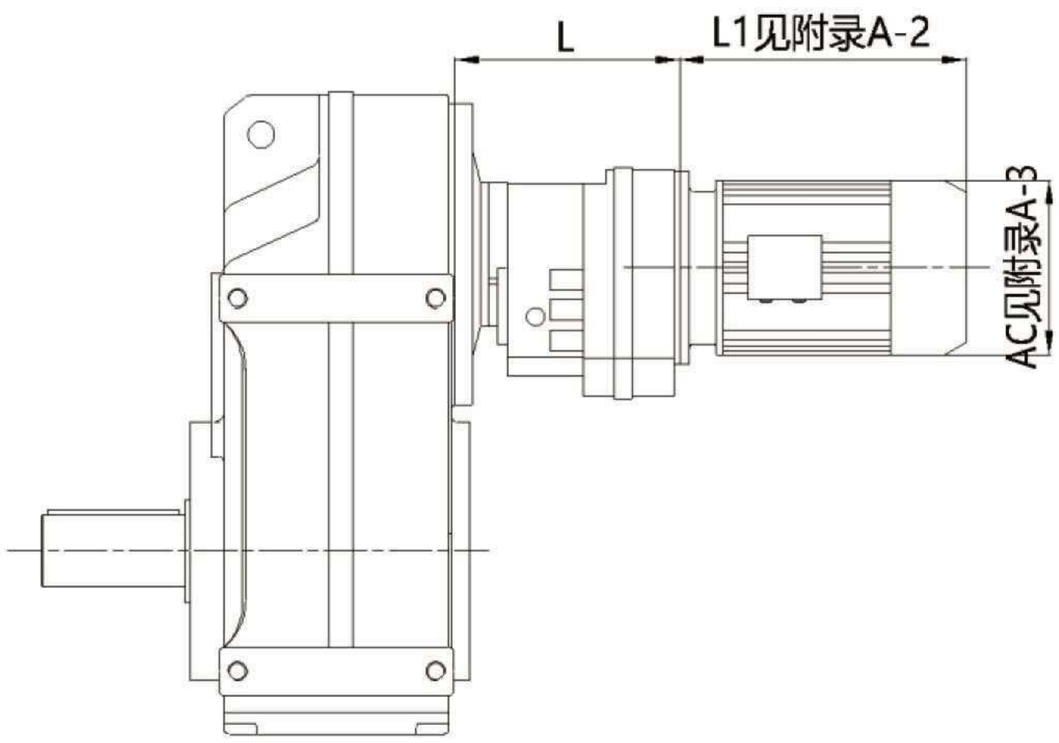
Note: 1.Double shafts type is also available for type GFA/GFAF/GFF/GFAZ/GFH/GFHF/GFHZ, and these double shafts types are respectively named type GFA..AD..、GFAF..AD..、GFF..AD..、GFAZ..AD..、GFH..AD..、 GFHF..AD.. and GFHZ..AD..

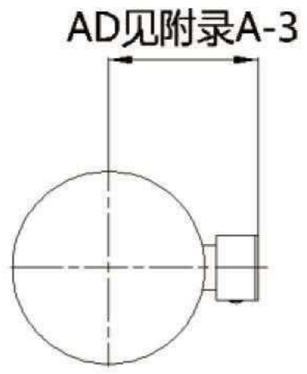
2.Applicable power refers to the input torque of 4 pole motor. If the connect way is coupling, can see the power range on the table directly, if the connect way is other pole motor, sprocket, belt pulley, need customers to convert by themselves.

F

## GF..R..
## 安装结构尺寸

## GF..R..
## Mounting Dimensional Description




| 机 型 号 Type Size | 机 座 号 Frame Size | L |
|---|---|---|
| GF..37R17<br>GF..47R17 | 63 | 135 |
| | 71 | |
| | 80 | |
| GF..57R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| GF..67R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| | 90 | |
| GF..77R37 | 63 | 163 |
| | 71 | |
| | 80 | |
| | 90 | |
| GF..87R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| GF..77R57 | 63 | 216 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| GF..107R77 | 63 | 251 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |

| 机 型 号 Type Size | 机 座 号 Frame Size | L |
|---|---|---|
| GF..127R77 | 63 | 241 |
| | 71 | |
| | 80 | |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| GF..127R87 | 90 | 280 |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| GF..157R97 | 80 | 332 |
| | 90 | |
| | 100 | |
| | 112 | |
| | 132 | |
| | 160 | |
| | 180 | |
| | 200 | |

注： 1.GFA/GFAF/GFF/GFAZ/GFH/GFHF/GFHZ 均可采用串联组合机型。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

Note: 1.Combined type is also available for type GFA/GFAF/GFF/GFAZ/GFH/GFHF/GFHZ.

2.When equipping the user´s motor or the special one, the flange is required to connected.（Please see appendix D）

## 附录 A-1

## Appendix A-1

### 标准普通电机技术参数（IE2）

### Technical Date of Standard Ordinary Motors (IE2)

| 机座号 Frame size | 额定功率 Rated power/kW | 满载时 Full load | | | | 堵转电流 Blocked current / 额定电流 Rated current | 堵转转矩 Blocked torque / 额定转矩 Rated torque | 最大转矩 Max torque / 额定转矩 Rated torque | 转动惯量 Moment of inertia /(kg.m²) | 净重 Weight /kg* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 转速 Speed /(r/min)* | 电流 Current /A* | 效率 Eff /(%) | 功率因数 Power Factor* | | | | | |
| 同步转速 3000r/min 2 极 Synchrous Speed 3000r/min 2P | | | | | | | | | | |
| **631-2** | 0.18 | 2720 | 0.53 | 65.0 | 0.80 | 5.5 | 2.2 | — | | 9 |
| **632-2** | 0.25 | | 0.69 | 68.0 | 0.81 | | | | | 10 |
| **711-2** | 0.37 | 2740 | 0.99 | 70.0 | 0.81 | 6.1 | 2.3 | | | 14 |
| **712-2** | 0.55 | | 1.4 | 73.0 | 0.82 | | | | | 15 |
| **801-2** | 0.75 | 2830 | 1.83 | 75.0 | 0.83 | 6.1 | 2.3 | | 0.00075 | 16 |
| **802-2** | 1.1 | | 2.55 | 77.0 | 0.84 | 7.0 | | | 0.00090 | 17 |
| **90S-2** | 1.5 | 2840 | 3.4 | 79.0 | | | | | 0.0012 | 22 |
| **90L-2** | 2.2 | | 4.8 | 81.0 | 0.85 | | | | 0.0014 | 25 |
| **100L-2** | 3.0 | 2870 | 6.31 | 83.0 | 0.87 | 7.5 | 2.2 | | 0.0029 | 33 |
| **112M-2** | 4.0 | 2890 | 8.23 | 85.0 | 0.88 | | | | 0.0055 | 45 |
| **132S1-2** | 5.5 | 2900 | 11.18 | 86.0 | | | | | 0.0109 | 64 |
| **132S2-2** | 7.5 | | 15.06 | 87.0 | | | | | 0.0126 | 70 |
| **160M1-2** | 11 | 2930 | 21.35 | 88.0 | 0.89 | | | | 0.0377 | 117 |
| **160M2-2** | 15 | | 28.78 | 89.0 | | | | | 0.0449 | 125 |
| **160L-2** | 18.5 | | 34.72 | 90.0 | 0.90 | | | | 0.055 | 147 |
| **180M-2** | 22 | 2940 | 41.28 | 90.5 | | | 2.0 | | 0.075 | 180 |
| **200L1-2** | 30 | 2950 | 55.37 | 91.2 | | | | | 0.124 | 240 |
| **200L2-2** | 37 | | 67.92 | 92.0 | | | | | 0.139 | 255 |
| **225M-2** | 45 | 2970 | 82.16 | 92.3 | | | | | 0.233 | 309 |
| **250M-2** | 55 | | 100.1 | 92.5 | | | | | 0.312 | 403 |
| **280S-2** | 75 | | 134.0 | 93.2 | 0.91 | | | | 0.597 | 544 |
| **280M-2** | 90 | | 160.27 | 93.8 | | | | | 0.675 | 620 |
| **315S-2** | 110 | 2980 | 195.46 | 94.0 | | 7.1 | 1.8 | 2.2 | 1.18 | 980 |
| **315M-2** | 132 | | 233.3 | 94.5 | | | | | 1.82 | 1080 |
| **315L1-2** | 160 | | 279.44 | 94.6 | 0.92 | | | | 2.08 | 1160 |
| **315L2-2** | 200 | | 347.83 | 94.8 | | | | | 2.41 | 1190 |
| **355M-2** | 250 | | 432.5 | 95.3 | | | 1.6 | | 3.56 | 1760 |
| **355L-2** | 315 | | 543.25 | 95.6 | | | | | 4.16 | 1850 |

附录 A-1 Appendix A-1

| 机座号 Frame size | 额定功率 Rated power/kW | 满载时 Full load | | | | 堵转电流 Blocked current / 额定电流 Rated current | 堵转转矩 Blocked torque / 额定转矩 Rated torque | 最大转矩 Max torque / 额定转矩 Rated torque | 转动惯量 Moment of inertia /(kg.m²) | 净重 Weight /kg* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 转速 Speed /(r/min)* | 电流 Current /A* | 效率 Eff /(%) | 功率因数 Power factor* | | | | | |
| 同步转速 1500r/min 4 极 Synchrous Speed 1500r/min 4P | | | | | | | | | | |
| **631-4** | 0.12 | 1310 | 0.44 | 57.0 | 0.72 | 4.4 | 2.1 | 2.2 | — | 9 |
| **632-4** | 0.18 | | 0.62 | 60.0 | 0.73 | | | | | 10 |
| **711-4** | 0.25 | 1330 | 0.79 | 65.0 | 0.74 | 5.2 | | | | 13 |
| **712-4** | 0.37 | | 1.12 | 67.0 | 0.75 | | | | | 14 |
| **801-4** | 0.55 | 1390 | 1.57 | 71.0 | | | 2.4 | 2.3 | 0.0018 | 17 |
| **802-4** | 0.75 | | 2.03 | 73.0 | 0.77 | 6.0 | 2.3 | | 0.0021 | 18 |
| **90S-4** | 1.1 | 1400 | 2.82 | 75.0 | | 7.0 | | | 0.0021 | 22 |
| **90L-4** | 1.5 | | 3.7 | 78.0 | 0.79 | | | | 0.0027 | 27 |
| **100L1-4** | 2.2 | 1430 | 5.16 | 80.0 | 0.81 | | | | 0.0054 | 34 |
| **100L2-4** | 3.0 | | 6.78 | 82.0 | 0.82 | | | | 0.0067 | 38 |
| **112M-4** | 4.0 | 1440 | 8.83 | 84.0 | | | | | 0.0095 | 43 |
| **132S-4** | 5.5 | | 11.7 | 85.0 | 0.83 | | | | 0.0214 | 68 |
| **132M-4** | 7.5 | | 15.6 | 87.0 | 0.84 | | 2.2 | | 0.0296 | 81 |
| **160M-4** | 11 | 1460 | 22.35 | 88.0 | 0.85 | 7.5 | | | 0.0747 | 123 |
| **160L-4** | 15 | | 30.14 | 89.0 | | | | | 0.0918 | 144 |
| **180M-4** | 18.5 | 1470 | 36.47 | 90.5 | | 7.2 | | | 0.139 | 182 |
| **180L-4** | 22 | | 43.14 | 91.0 | | | | | 0.158 | 190 |
| **200L-4** | 30 | | 57.63 | 92.0 | 0.86 | | | | 0.262 | 270 |
| **225S-4** | 37 | 1480 | 69.89 | 92.5 | 0.87 | | | | 0.406 | 284 |
| **225M-4** | 45 | | 95.54 | 92.8 | | | | | 0.469 | 320 |
| **250M-4** | 55 | | 103.1 | 93.0 | | | | | 0.66 | 427 |
| **280S-4** | 75 | | 139.7 | 93.8 | | | | | 1.12 | 562 |
| **280M-4** | 90 | 1490 | 166.93 | 94.2 | | 6.9 | 2.1 | 2.2 | 1.46 | 667 |
| **315S-4** | 110 | | 201.06 | 94.5 | 0.88 | | | | 3.11 | 1000 |
| **315M-4** | 132 | | 240.57 | 94.8 | | | | | 3.62 | 1100 |
| **315L1-4** | 160 | | 287.95 | 94.9 | 0.89 | | | | 4.13 | 1160 |
| **315L2-4** | 200 | | 358.8 | 95.0 | | | | | 4.94 | 1270 |
| **355M-4** | 250 | | 442.12 | 95.3 | 0.90 | | | | 5.67 | 1700 |
| **355L-4** | 315 | | 555.32 | 95.6 | | | | | 6.66 | 1850 |

附录2

## 附录 A-1

## Appendix A-1

| 机座号 Frame size | 额定功率 Rated power/kW | 满载时 Full load | | | | 堵转电流 Blocked current / 额定电流 Rated current | 堵转转矩 Blocked torque / 额定转矩 Rated torque | 最大转矩 Max torque / 额定转矩 Rated torque | 转动惯量 Moment of inertia /(kg.m²) | 净重 Weight /kg* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 转速 Speed /(r/min)* | 电流 Current /A* | 效率 Eff /(%) | 功率因数 Power factor* | | | | | |
| 同步转速 1000r/min 6 极 Synchrous Speed 1000r/min 6P | | | | | | | | | | |
| **711-6** | 0.18 | 850 | 0.74 | 56.0 | 0.66 | 4.0 | 1.9 | 2.0 | — | — |
| **712-6** | 0.25 | | 0.95 | 59.0 | 0.68 | | | | | |
| **801-6** | 0.37 | 890 | 1.3 | 62.0 | 0.70 | 4.7 | | | 0.00158 | 17 |
| **802-6** | 0.55 | | 1.79 | 65.0 | 0.72 | | | 2.1 | 0.0021 | 19 |
| **90S-6** | 0.75 | 910 | 2.26 | 69.0 | | 5.5 | 2.0 | | 0.0029 | 23 |
| **90L-6** | 1.1 | | 3.14 | 72.0 | 0.73 | | | | 0.0035 | 25 |
| **100L-6** | 1.5 | 940 | 3.95 | 76.0 | 0.75 | | | | 0.0069 | 33 |
| **112M-6** | 2.2 | | 5.57 | 79.0 | 0.76 | 6.5 | | | 0.0138 | 45 |
| **132S-6** | 3.0 | 960 | 7.41 | 81.0 | | | 2.1 | | 0.0286 | 63 |
| **132M1-6** | 4.0 | | 9.64 | 82.0 | | | | | 0.0357 | 73 |
| **132M2-6** | 5.5 | | 12.93 | 84.0 | 0.77 | | | | 0.0449 | 84 |
| **160M-6** | 7.5 | 970 | 17.0 | 86.0 | | | | | 0.0881 | 119 |
| **160L-6** | 11 | | 24.23 | 87.5 | 0.78 | | 2.0 | | 0.116 | 147 |
| **180L-6** | 15 | | 31.63 | 89.0 | 0.81 | 7.0 | | | 0.207 | 195 |
| **200L1-6** | 18.5 | | 38.1 | 90.0 | | | 2.1 | | 0.315 | 220 |
| **200L2-6** | 22 | | 44.52 | 90.0 | 0.83 | | | | 0.360 | 250 |
| **225M-6** | 30 | 980 | 58.63 | 91.5 | 0.84 | | 2.0 | | 0.547 | 292 |
| **250M-6** | 37 | | 71.08 | 92.0 | | | | | 0.834 | 408 |
| **280S-6** | 45 | | 85.98 | 92.5 | | | 2.1 | | 1.39 | 536 |
| **280M-6** | 55 | | 104.75 | 92.8 | 0.86 | | | | 1.65 | 595 |
| **315S-6** | 75 | 990 | 141.77 | 93.5 | | | | 2.0 | 4.11 | 990 |
| **315M-6** | 90 | | 169.58 | 93.8 | | | 2.0 | | 4.28 | 1080 |
| **315L1-6** | 110 | | 206.83 | 94.0 | | 6.7 | | | 5.45 | 1150 |
| **315L2-6** | 132 | | 244.82 | 94.2 | 0.87 | | | | 6.12 | 1210 |
| **355M1-6** | 160 | | 291.52 | 94.5 | | | 1.9 | | 8.85 | 1600 |
| **355M2-6** | 200 | | 363.64 | 94.7 | 0.88 | | | | 9.55 | 1700 |
| **355L-6** | 250 | | 453.60 | 94.9 | | | | | 10.63 | 1800 |

## 附录 A-1

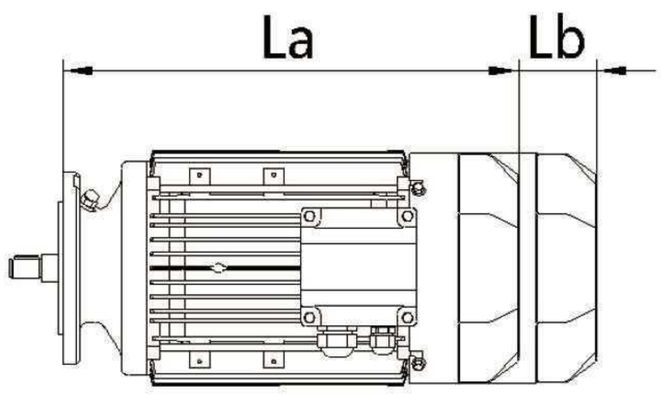
## Appendix A-1

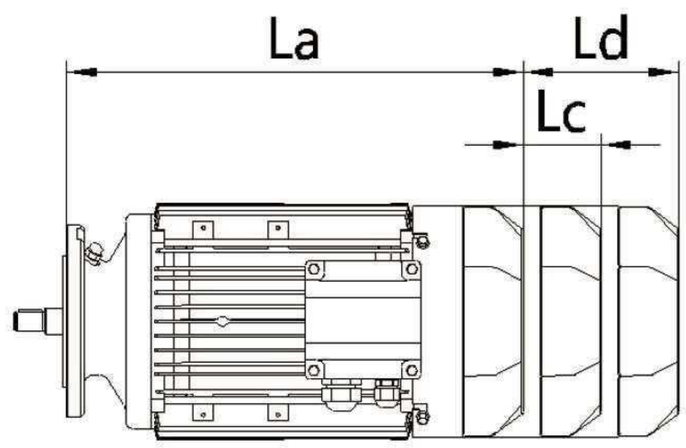
| 机座号 Frame size | 额定功率 Rated power/kW | 满载时 Full load | | | | 堵转电流 Blocked current / 额定电流 Rated current | 堵转转矩 Blocked torque / 额定转矩 Rated torque | 最大转矩 Max torque / 额定转矩 Rated torque | 转动惯量 Moment of inertia /(kg.m²) | 净重 Weight /kg* |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 转速 Speed /(r/min)* | 电流 Current /A* | 效率 Eff /(%) | 功率因数 Power factor* | | | | | |
| 同步转速 750r/min 8 极 Synchrous Speed 750r/min 8P | | | | | | | | | | |
| **801-8** | 0.18 | 630 | 0.88 | 51.0 | 0.61 | 3.3 | 1.8 | 1.9 | 0.00158 | 17 |
| **802-8** | 0.25 | 640 | 1.15 | 54.0 | | | | | 0.0021 | 19 |
| **90S-8** | 0.37 | 660 | 1.49 | 62.0 | | 4.0 | | | 0.0029 | 23 |
| **90L-8** | 0.55 | | 2.18 | 63.0 | | | | 2.0 | 0.0035 | 25 |
| **100L1-8** | 0.75 | 690 | 2.43 | 71.0 | 0.67 | | | | 0.0069 | 33 |
| **100L2-8** | 1.1 | | 3.42 | 73.0 | 0.69 | 5.0 | | | 0.0107 | 38 |
| **112M-8** | 1.5 | 680 | 4.47 | 75.0 | | | | | 0.0149 | 50 |
| **132S-8** | 2.2 | 710 | 6.04 | 78.0 | 0.71 | 6.0 | | | 0.0314 | 63 |
| **132M-8** | 3.0 | | 7.9 | 79.0 | 0.73 | | | | 0.0395 | 79 |
| **160M1-8** | 4.0 | 720 | 10.28 | 81.0 | | | 1.9 | | 0.0753 | 118 |
| **160M2-8** | 5.5 | | 13.61 | 83.0 | 0.74 | | 2.0 | | 0.0931 | 119 |
| **160L-8** | 7.5 | | 17.88 | 85.5 | 0.75 | | | | 0.126 | 145 |
| **180L-8** | 11 | 730 | 25.29 | 87.5 | 0.76 | 6.6 | | | 0.203 | 184 |
| **200L-8** | 15 | | 34.09 | 88.0 | | | | | 0.339 | 250 |
| **225S-8** | 18.5 | | 40.58 | 90.0 | | | 1.9 | 2.0 | 0.491 | 266 |
| **225M-8** | 22 | 740 | 47.37 | 90.5 | 0.78 | | | | 0.547 | 292 |
| **250M-8** | 30 | | 63.43 | 91.0 | 0.79 | | | | 0.834 | 405 |
| **280S-8** | 37 | | 76.83 | 91.5 | | | | | 1.39 | 520 |
| **280M-8** | 45 | | 92.93 | 92.0 | | | | | 1.65 | 592 |
| **315S-8** | 55 | | 112.97 | 92.8 | 0.81 | | 1.8 | | 4.79 | 1000 |
| **315M-8** | 75 | | 151.33 | 93.0 | | | | | 5.58 | 1100 |
| **315L1-8** | 90 | | 177.86 | 93.8 | 0.82 | | | | 6.37 | 1160 |
| **315L2-8** | 110 | | 216.92 | 94.0 | | 6.4 | | | 7.23 | 1230 |
| **355M1-8** | 132 | | 260.3 | 93.7 | | | | | 10.55 | 1600 |
| **355M2-8** | 160 | | 310.07 | 94.2 | | | | | 11.73 | 1700 |
| **355L-8** | 200 | | 386.36 | 94.5 | 0.83 | | | | 12.86 | 1800 |
| 同步转速 600r/min 10 极 Synchrous Speed 600r/min 10P | | | | | | | | | | |
| **315S-10** | 45 | 590 | 99.67 | 91.5 | 0.75 | 6.2 | 1.5 | 2.0 | 4.79 | 810 |
| **315M-10** | 55 | | 121.16 | 92.0 | 0.75 | | | | 6.37 | 930 |
| **315L1-10** | 75 | | 162.16 | 92.5 | 0.76 | | | | 7.0 | 1045 |
| **315L2-10** | 90 | | 191.03 | 93.0 | 0.77 | | | | 7.15 | 1115 |
| **355M1-10** | 110 | | 230 | 93.2 | 0.78 | 6.0 | 1.3 | | 12.55 | 1500 |
| **355M2-10** | 132 | | 275.11 | 93.5 | | | | | 13.75 | 1600 |
| **355L-10** | 160 | | 333.47 | 93.5 | | | | | 14.86 | 1700 |

注：表格中带*的参数仅作为参考，具体数值以用户收到的电机铭牌参数数值为准。

Note: The parameters with * in the table are for reference only. The specific values are subject to the nameplate parameters of the actual supplied motor.

附录 A-2 Appendix A-2




## G 系列用直联型 IE2 普通电机尺寸 L1=La

## G series gearbox connects IE2 ordinary motor directly without flange, the size is L1, L1 is equal to La



GR 系列 GR Series

| 机型号 Type size / Frame size 机座号 | 63M | 71M | 80M | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200L | 225S | 225M | 250M | 280S | 280M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GR...17/27/37 | 257 | 270 | 310 | 333 | 368 | 399 | | | | | | | | | | | | | |
| GR...47/57/67/GRX...57/67 | 257 | 264 | 304 | 327 | 362 | 391 | 441 | 447 | 482 | | | | | | | | | | |
| GR...77/GRX...77 | 258 | 258 | 298 | 319 | 354 | 383 | 432 | 435 | 470 | 551 | 595 | | | | | | | | |
| GR...87/GRX...87 | | | 293 | 315 | 350 | 379 | 427 | 430 | 465 | 546 | 590 | 631 | 669 | | | | | | |
| GR...97/GRX...97 | | | 284 | 307 | 342 | 373 | 422 | 425 | 460 | 541 | 585 | 626 | 664 | 713 | | | | | |
| GR...107/GRX...107 | | | | | | 367 | 416 | 419 | 454 | 535 | 579 | 620 | 658 | 707 | 721 | 746 | | | |
| GR...137/GRX...137 | | | | | | | | 412 | 447 | 528 | 572 | 613 | 651 | 700 | 714 | 734 | 816 | | |
| GR...147 | | | | | | | | | | 520 | 564 | 605 | 643 | 692 | 706 | 731 | 808 | 879 | 930 |
| GR...167/177 | | | | | | | | | | 520 | 564 | 603 | 641 | 684 | 698 | 718 | 800 | 868 | 919 |

GS 系列 GS Series

| 机型号 Type size / Frame size 机座号 | 63M | 71M | 80M | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200L | 225S | 225M | 250M | 280S | 280M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GS...37/47/57 | 257 | 270 | 310 | 333 | 368 | 399 | | | | | | | | | | | | | |
| GS...67 | 257 | 264 | 304 | 327 | 362 | 391 | 441 | 447 | 482 | | | | | | | | | | |
| GS...77 | 258 | 258 | 298 | 319 | 354 | 383 | 432 | 435 | 470 | 551 | 595 | | | | | | | | |
| GS...87 | | | 293 | 315 | 350 | 379 | 427 | 430 | 465 | 546 | 590 | 631 | 669 | | | | | | |
| GS...97 | | | 284 | 307 | 342 | 373 | 422 | 425 | 460 | 541 | 585 | 626 | 664 | 713 | | | | | |
| GS...107 | | | | | | 367 | 416 | 419 | 454 | 535 | 579 | 620 | 658 | 707 | | | | | |

GK 系列 GK Series

| 机型号 Type size / Frame size 机座号 | 63M | 71M | 80M | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200L | 225S | 225M | 250M | 280S | 280M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GK...37 | 257 | 270 | 310 | 333 | 368 | 399 | | | | | | | | | | | | | |
| GK...47/57/67 | 257 | 264 | 304 | 327 | 362 | 391 | 441 | 447 | 482 | | | | | | | | | | |
| GK...77 | 258 | 258 | 298 | 319 | 354 | 383 | 432 | 435 | 470 | 551 | 595 | | | | | | | | |
| GK...87 | | | 293 | 315 | 350 | 379 | 427 | 430 | 465 | 546 | 590 | 631 | 669 | | | | | | |
| GK...97 | | | 284 | 307 | 342 | 373 | 422 | 425 | 460 | 541 | 585 | 626 | 664 | 713 | | | | | |
| GK...107 | | | | | | 367 | 416 | 419 | 454 | 535 | 579 | 620 | 658 | 707 | 721 | 746 | | | |
| GK...127 | | | | | | | | 404 | 439 | 520 | 564 | 605 | 643 | 692 | 706 | 731 | 808 | 879 | 930 |
| GK...157/167/187 | | | | | | | | | | 520 | 564 | 603 | 641 | 684 | 698 | 718 | 800 | 868 | 919 |

GF 系列 GF Series

| 机型号 Type size / Frame size 机座号 | 63M | 71M | 80M | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200L | 225S | 225M | 250M | 280S | 280M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GF...37/47 | 257 | 270 | 310 | 333 | 368 | 399 | | | | | | | | | | | | | |
| GF...57/67 | 257 | 264 | 304 | 327 | 362 | 391 | 441 | 447 | 482 | | | | | | | | | | |
| GF...77 | 258 | 258 | 298 | 319 | 354 | 383 | 432 | 435 | 470 | 551 | 595 | | | | | | | | |
| GF...87 | | | 293 | 315 | 350 | 379 | 427 | 430 | 465 | 546 | 590 | 631 | 669 | | | | | | |
| GF...97 | | | 284 | 307 | 342 | 373 | 422 | 425 | 460 | 541 | 585 | 626 | 664 | 713 | | | | | |
| GF...107 | | | | | | 367 | 416 | 419 | 454 | 535 | 579 | 620 | 658 | 707 | 721 | 746 | | | |
| GF...127 | | | | | | | | 404 | 439 | 520 | 564 | 605 | 643 | 692 | 706 | 731 | 808 | 879 | 930 |
| GF...157 | | | | | | | | | | 520 | 564 | 603 | 641 | 684 | 698 | 718 | 800 | 868 | 919 |

附录 A-2 Appendix A-2

## G 系列用直联型非普通电机尺寸 L1

## G series use directly type not ordinary motor size L1

| 电机类型 Motor type / 机座号 Frame size | 变频直联电机 variable frequency directly motor | 制动直联电机 brake directly motor | 变频制动直联电机 variable frequency brake directly motor |
|---|---|---|---|
| | L1=La+Lb | L1=La+Lc | L1=La+Ld |
| 63M | La+67 | La+57 | La+112 |
| 71M | La+67 | La+57 | La+112 |
| 80M | La+59 | La+60 | La+106 |
| 90S | La+74 | La+70 | La+122 |
| 90L | La+74 | La+70 | La+119 |
| 100L | La+77 | La+68 | La+108 |
| 112M | La+83 | La+74 | La+102 |
| 132S | La+73 | La+82 | La+129 |
| 132M | La+73 | La+82 | La+109 |
| 160M | La+65 | La+91 | La+155 |
| 160L | La+68 | La+94 | La+158 |
| 180M | La+112 | La+125 | La+212 |
| 180L | La+112 | La+125 | La+212 |
| 200L | La+73 | La+148 | La+213 |
| 225S | La+92 | La+167 | La+236 |
| 225M | La+92 | La+167 | La+236 |
| 250M | La+100 | La+183 | La+260 |
| 280S | La+127 | La+201 | La+293 |
| 280M | La+127 | La+201 | La+293 |

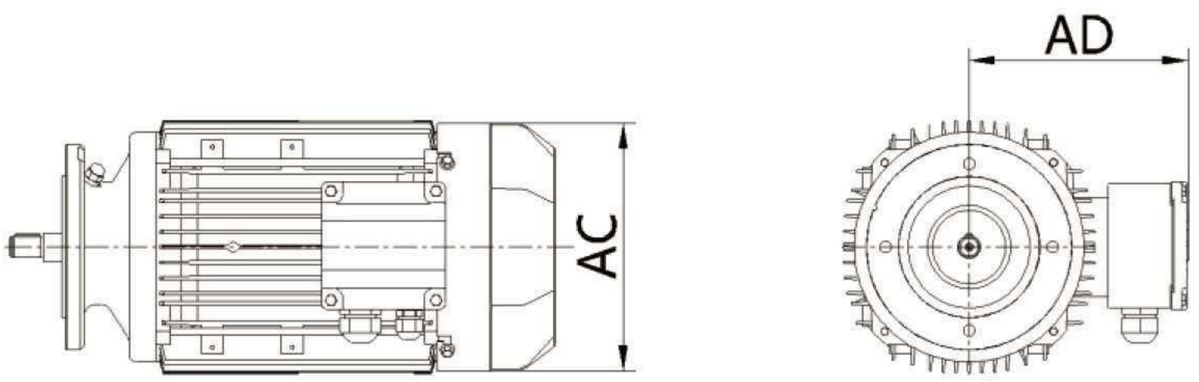
注：La 尺寸见上表。

Note: La size are shown in the above table.

注：G 系列直联电机安装尺寸及形位公差要求按图纸。

Note: The installation dimension and form and position tolerance of G series direct motor shall be in accordance with the drawing.

附录 A-3 Appendix A-3




## G 系列用直联型 IE2 电机外壳尺寸 AC 和接线盒高度尺寸 AD

## G series use directly type IE2 motor shell size AC and terminal box height size AD

| 电机尺寸 Motor size / Frame size 机座号 | 63M | 71M | 80M | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200L | 225S | 225M | 250M | 280S | 280M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AC | 163 | 163 | 179 | 198 | 198 | 228 | 249 | 295 | 295 | 337 | 337 | 376 | 376 | 405 | 451 | 451 | 490 | 552 | 552 |
| AD | 138 | 138 | 149 | 166 | 166 | 181 | 187 | 210 | 210 | 260 | 260 | 285 | 285 | 310 | 340 | 340 | 375 | 415 | 415 |

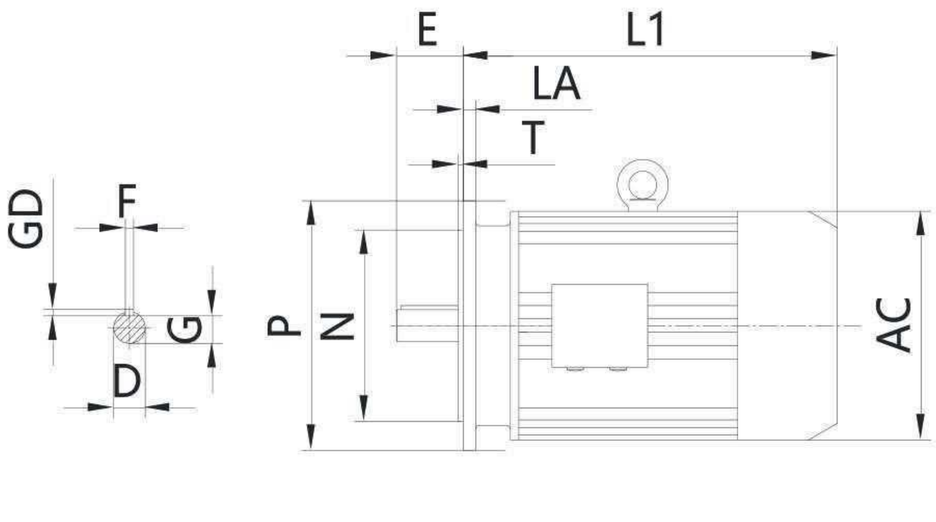
注：以上尺寸仅适用于普通直联电机，变频直联电机，制动直联电机，变频制动直联电机。

Note: The above size just apply to common directly motor, variable frequency directly motor, brake directly motor, variable frequency brake directly motor.

注：**所有直联型电机的重量参考 IEC 标准电机重量。**

Note: The weight of all direct connection motors refer to the weight of IEC standard ordinary motors.

**附录 A-4** **Appendix A-4**




机座号63-200 机座号225-315

## 标准普通电机外形及安装尺寸（IE2） Dimensions of Standary Ordinary Motors(IE2)

| 机座号 Frame size | 安装尺寸及外形尺寸 Mounting Dimensions | | | | | | | | | | | | | | | | | | 联接处螺栓的规格 Specification of bolts in connection |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | | E | | F×GD | | G | | M | N | P | S | T | AC | AD | LA | HF | L1 | |
| | 2P | 4-10P | 2P | 4-10P | 2P | 4-10P | 2P | 4-10P | | | | | | | | | | 2P | 4-10P | |
| 63M | 11 | | 23 | | 4×4 | | 8.5 | | 115 | 95 | 140 | 10 | 3 | 130 | 70 | 10 | 130 | 207 | | M8×25 |
| 71M | 14 | | 30 | | 5×5 | | 11 | | 130 | 110 | 160 | | | 145 | 80 | 10 | 145 | 225 | | M8×25 |
| 80M | 19 | | 40 | | 6×6 | | 15.5 | | 165 | 130 | 200 | 12 | 3.5 | 175 | 145 | 12 | 185 | 255 | | M10×30 |
| 90S | 24 | | 50 | | 8×7 | | 20 | | | | | | | 195 | 155 | 12 | 195 | 270 | | M10×30 |
| 90L | | | | | | | | | | | | | | | | 12 | | 295 | | M10×30 |
| 100L | 28 | | 60 | | | | 24 | | 215 | 180 | 250 | 15 | 4 | 215 | 180 | 14 | 245 | 325 | | M12×35 |
| 112M | | | | | | | | | | | | | | 240 | 190 | 14 | 265 | 340 | | M12×35 |
| 132S | 38 | | 80 | | 10×8 | | 33 | | 265 | 230 | 300 | | | 275 | 210 | 14 | 315 | 390 | | M12×35 |
| 132M | | | | | | | | | | | | | | | | 14 | | 430 | | M12×35 |
| 160M | 42 | | 110 | | 12×8 | | 37 | | 300 | 250 | 350 | 19 | 5 | 330 | 255 | 16 | 385 | 505 | | M16×40 |
| 160L | | | | | | | | | | | | | | | | 16 | | 560 | | M16×40 |
| 180M | 48 | | | | 14×9 | | 42.5 | | | | | | | 380 | 280 | 18 | 430 | 590 | | M16×45 |
| 180L | | | | | | | | | | | | | | | | 18 | | 630 | | M16×45 |
| 200L | 55 | | | | 16×10 | | 49 | | 350 | 300 | 400 | | | 420 | 305 | 18 | 480 | 660 | | M16×45 |
| 225S | | 60 | | 140 | 16×10 | 18×11 | | 53 | 400 | 350 | 450 | | | 470 | 335 | 20 | 535 | 675 | | M16×50 |
| 225M | 55 | 60 | 110 | 140 | | | 49 | 53 | | | | | | | | 20 | | 710 | 705 | M16×50 |
| 250M | 60 | 65 | 140 | | 18×11 | | 53 | 58 | 500 | 450 | 550 | | | 510 | 370 | 22 | 595 | 770 | | M16×55 |
| 280S | 65 | 75 | | | 18×11 | 20×12 | 58 | 67.5 | | | | | | 580 | 410 | 22 | 650 | 845 | | M16×55 |
| 280M | | | | | | | | | | | | | | | | 22 | | 895 | | M16×55 |
| 315S | 65 | 80 | 140 | 170 | 18×11 | 22×14 | 58 | 71 | 600 | 550 | 660 | 24 | 6 | 645 | 530 | 25 | 845 | 1020 | 1100 | M20×60 |
| 315M | | | | | | | | | | | | | | | | 25 | | 1050 | 1130 | M20×60 |
| 315L1 | 65 | 80 | 140 | 170 | 18×11 | 22×14 | 58 | 71 | 600 | 550 | 660 | 24 | 6 | 645 | 530 | 25 | 845 | 1020 | 1100 | M20×60 |
| 315L2 | | | | | | | | | | | | | | | | 25 | | 1050 | 1130 | M20×60 |

## 附录 B

## Appendix B

### YEJ 系列电机外形及安装尺寸

### Dimensions of YEJ Series Motors

| 机座号 Frame size | 80 | 90S | 90L | 100L | 112M | 132S | 132M | 160M | 160L | 180M | 180L | 200L | 225S | 225M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L1 | 350 | 370 | 395 | 420 | 450 | 505 | 545 | 610 | 655 | 715 | 765 | 790 | 860 | 890 |

注：图形参照附录 A，其余尺寸同标准普通电机。

Note: See appendix A for dimensional drawings. Other dimensions are same as standary ordinary motors.



## 附录 C

## Appendix C

### G 系列减速电机最大输出转矩表

### Max. Output Torque Table, G Series Geared Motors

**GRX 系列 GRX Series**

| 机型号 Type size | GRX..57 | GRX..67 | GRX..77 | GRX..87 | GRX..97 | GRX..107 | GRX..137 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque(N.m) | 70 | 135 | 215 | 400 | 600 | 830 | 1500 | | | | | | |

**GR 系列 GR Series**

| 机型号 Type size | GR..17 | GR..27 | GR..37 | GR..47 | GR..57 | GR..67 | GR..79 | GR..87 | GR..97 | GR..107 | GR..137 | GR..147 | GR..167 | GR..177 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque(N.m) | 85 | 130 | 200 | 300 | 450 | 600 | 820 | 1550 | 3000 | 4300 | 8000 | 13000 | 18000 | 36600 |

**GS 系列 GS Series**

| 机型号 Type size | GS..37 | GS..47 | GS..57 | GS..67 | GS..77 | GS..87 | GS..97 | GS..107 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque(N.m) | 87 | 170 | 300 | 520 | 1220 | 2300 | 4000 | 6500 | | | | | | |

**GK 系列 GK Series**

| 机型号 Type size | GK..37 | GK..47 | GK..57 | GK..67 | GK..77 | GK..87 | GK..97 | GK..107 | GK..127 | GK..157 | GK..167 | GK..187 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque(N.m) | 200 | 400 | 600 | 820 | 1550 | 2700 | 4300 | 8000 | 13000 | 18000 | 32000 | 50000 | | |

**GF 系列 GF Series**

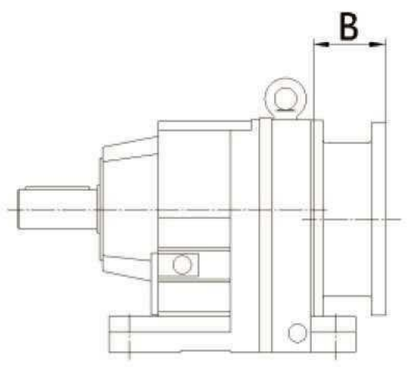
| 机型号 Type size | GF..37 | GF..47 | GF..57 | GF..67 | GF..77 | GF..87 | GF..97 | GF..107 | GF..127 | GF..157 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 最大输出转矩 Max.output torque(N.m) | 200 | 400 | 600 | 820 | 1550 | 2700 | 4300 | 8000 | 13000 | 18000 | | | | |

注： 表中所列为减速电机最大负载转矩。实际上，同一规格的减速电机在不同传动比时，其最大承载转矩有可能不同。必要时，此值可按“选型参数表”中的输出转矩 $M_a$ 乘以使用系数 $f_B$ 求得。瞬间过载能力可达最大转矩的 1.8 倍。

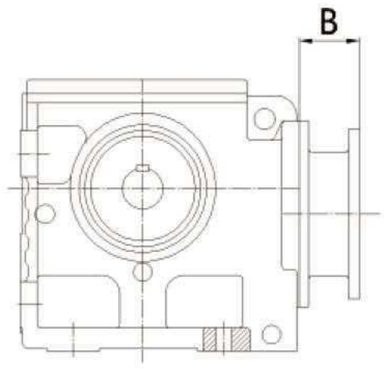
Note: List date is gearmotor's max. output torque. In fact the torque see selection table, the value equal the rate torque and service factor product. On request, please contact us.

## 附录 D

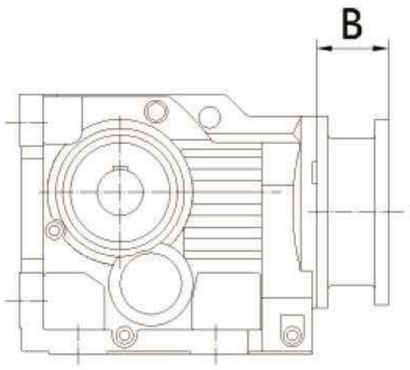
## Appendix D



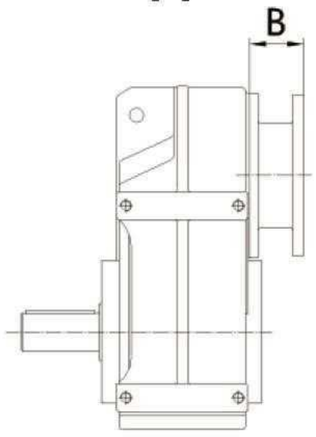

GR 系列 GR Series




GS 系列 GS Series




GK 系列 GK Series




GF 系列 GF Series



### 联接法兰尺寸 B（联接 IEC 标准电机）
### The dimension B of the flange for IEC series motors

**GR 系列 GR Series**

| 机型号 Type size / Frame size 机座号 | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | 280 | 315 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GR...17/27/37 | 50 | 70.5 | 99.5 | 99.5 | 119 | | | | | | | | | |
| GR...47/57/67/GRX...57/67 | 44.5 | 65 | 94 | 94 | 111 | 111 | 150 | | | | | | | |
| GR...77/GRX...77 | 36.5 | 59 | 88 | 88 | 103 | 103 | 138 | 179 | | | | | | |
| GR...87/GRX...87 | | | 83 | 83 | 99 | 99 | 133 | 174 | 174 | | | | | |
| GR...97/GRX...97 | | | 73.5 | 73.5 | 93 | 93 | 128 | 169 | 169 | 165.5 | | | | |
| GR...107/GRX...107 | | | | | 87 | 87 | 122 | 163 | 163 | 159.5 | 193 | | | |
| GR...137/GRX...137 | | | | | | | 115 | 156 | 156 | 152.5 | 186 | 185 | | |
| GR...147 | | | | | | | | 148 | 148 | 144.5 | 178 | 177 | 189 | |
| GR...167/177 | | | | | | | | 140/132 | 140/132 | 136.5/128.5 | 170/162 | 166/158 | 178/170 | 253/245 |

**GS 系列 GS Series**

| 机型号 Type size / Frame size 机座号 | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GS...37/47/57 | 50 | 70.5 | 99.5 | 99.5 | 119 | | | | | | | | | |
| GS...67 | 44.5 | 65 | 94 | 94 | 111 | 111 | 150 | | | | | | | |
| GS...77 | 36.5 | 59 | 88 | 88 | 103 | 103 | 138 | 179 | | | | | | |
| GS...87 | | | 83 | 83 | 99 | 99 | 133 | 174 | 174 | | | | | |
| GS...97 | | | 73.5 | 73.5 | 93 | 93 | 128 | 169 | 169 | | | | | |
| GS...107 | | | | | 87 | 87 | 122 | 163 | 163 | 159.5 | | | | |

**GK 系列 GK Series**

| 机型号 Type size / Frame size 机座号 | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | 280 | 315 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GK...37 | 50 | 70.5 | 99.5 | 99.5 | 119 | | | | | | | | | |
| GK...47/57/67 | 44.5 | 65 | 94 | 94 | 111 | 111 | 150 | | | | | | | |
| GK...77 | 36.5 | 59 | 88 | 88 | 103 | 103 | 138 | 179 | | | | | | |
| GK...87 | | | 83 | 83 | 99 | 99 | 133 | 174 | 174 | | | | | |
| GK...97 | | | | 73.5 | 93 | 93 | 128 | 169 | 169 | 165.5 | | | | |
| GK...107 | | | | | 87 | 87 | 122 | 163 | 163 | 159.5 | 193 | | | |
| GK...127 | | | | | | | 107 | 148 | 148 | 144.5 | 178 | 177 | 189 | |
| GK...157/167 | | | | | | | | 140 | 140 | 136.5 | 170 | 166 | 178 | 253 |
| GK...187 | | | | | | | | 132 | 132 | 128.5 | 162 | 158 | 170 | 245 |

**GF 系列 GF Series**

| 机型号 Type size / Frame size 机座号 | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | 280 | 315 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| GF...37/47 | 50 | 70.5 | 99.5 | 99.5 | 119 | | | | | | | | | |
| GF...57/67 | 44.5 | 65 | 94 | 94 | 111 | 111 | 150 | | | | | | | |
| GF...77 | 36.5 | 59 | 88 | 88 | 103 | 103 | 138 | 179 | | | | | | |
| GF...87 | | | 83 | 83 | 99 | 99 | 133 | 174 | 174 | | | | | |
| GF...97 | | | | 73.5 | 93 | 93 | 128 | 169 | 169 | 165.5 | | | | |
| GF...107 | | | | | 87 | 87 | 122 | 163 | 163 | 159.5 | 193 | | | |
| GF...127 | | | | | | | 107 | 148 | 148 | 144.5 | 178 | 177 | 189 | |
| GF...157 | | | | | | | | 140 | 140 | 136.5 | 170 | 166 | 178 | 253 |

**所配联接法兰的最大重量(kg) Maximum weight of coupling flange(kg)**

| 机座号 Frame size | 63 | 71 | 80 | 90 | 100 | 112 | 132 | 160 | 180 | 200 | 225 | 250 | 280 | 315 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 重量(kg) weight(kg) | 4.1 | 5.1 | 12 | 12 | 20.2 | 20.2 | 36.7 | 68.3 | 68.3 | 64.5 | 79.5 | 105.3 | 118.8 | 196.4 |

附录

## 附录 E

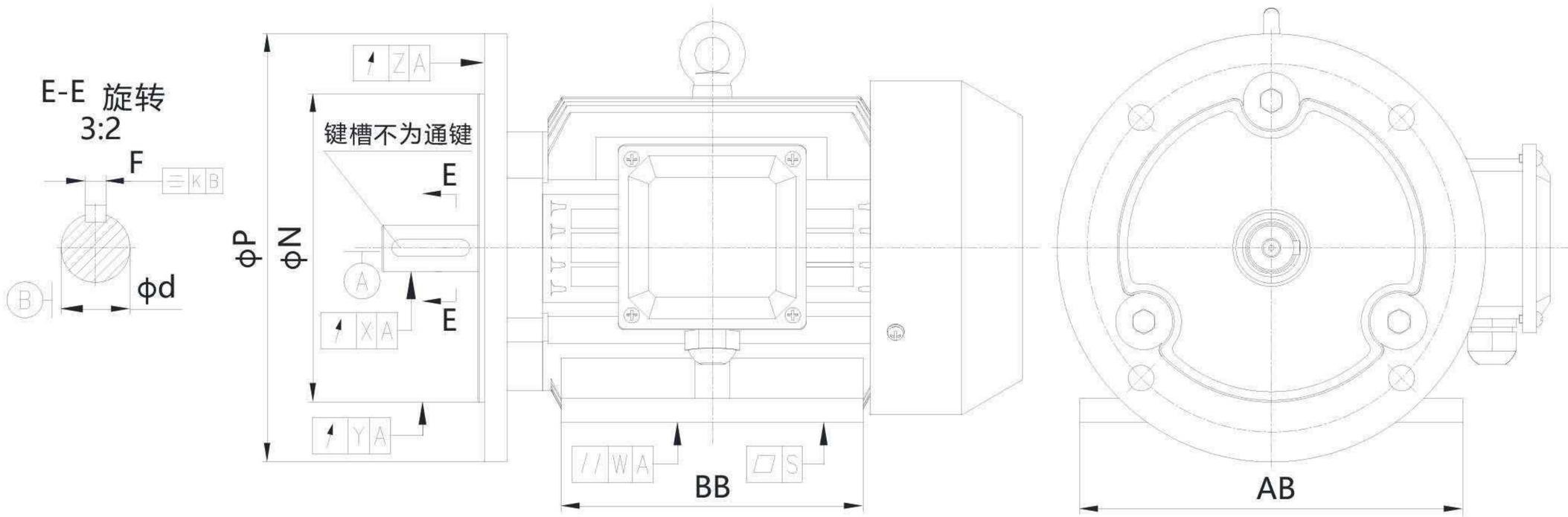
## IEC 电动机形位公差要求

## Appendix E

## IEC motor shape and position tolerance requirements

用户自配或自备电机，须达到以下形位公差要求

The user-equipped or self-supplied motor must meet the following geometric tolerance requirements.




### 电动机安装面各项跳动（B5、B35）

### Motor mounting surface runout (B5, B35)

| 机座号 Frame size | 轴伸跳动（X） Shaft extension runout (X) | | 止口跳动（Y） Lip runout(Y) | | 端面跳动（Z） Face runout (Z) | |
|---|---|---|---|---|---|---|
| | 轴伸直径（d） Shaft extension diameter (d) | 9 级（轴伸一半处） Grade 9 (half shaft extension) | 凸缘止口直（N） Flange lip diameter (N) | 9 级 Grade 9 | 外圆直径（P） Outer diameter (P) | 9 级 Grade 9 |
| 63 ~ 315 | 10 ~ 18 | 0.04 | 60 ~ 95 | 0.08 | 60 ~ 95 | 0.08 |
| | 18 ~ 30 | 0.04 | > 95 ~ 230 | 0.1 | > 95 ~ 230 | 0.1 |
| | > 30 ~ 50 | 0.05 | > 230 ~ 450 | 0.125 | > 230 ~ 450 | 0.125 |
| | > 50 ~ 80 | 0.06 | > 450 ~ 680 | 0.16 | > 450 ~ 680 | 0.16 |

### 电动机轴伸上键槽对称度公差（B5、B35）

### Symmetry tolerance of keyway on motor shaft extension (B5, B35)

| 键槽宽度（F） Keyway width (F) | 对称度公差（K） Symmetry tolerance (K) |
|---|---|
| 4 | 0.018 |
| 5 | |
| 6 | |
| 8 | 0.022 |
| 10 | |
| 12 | 0.030 |
| 14 | |
| 16 | |
| 18 | |
| 20 | 0.037 |
| 22 | |

## 电动机轴线对底脚支承面的平行度公差（B35）

## Parallelism tolerance of motor axis to foot supporting surface (B35)

| 机座号<br>Frame size | 平行度公差（W）<br>Parallelism tolerance (W) |
|---|---|
| 63～250 | 0.40 |
| > 250～315 | 0.75 |

## 电动机底脚支承面的平面度公差（B35）

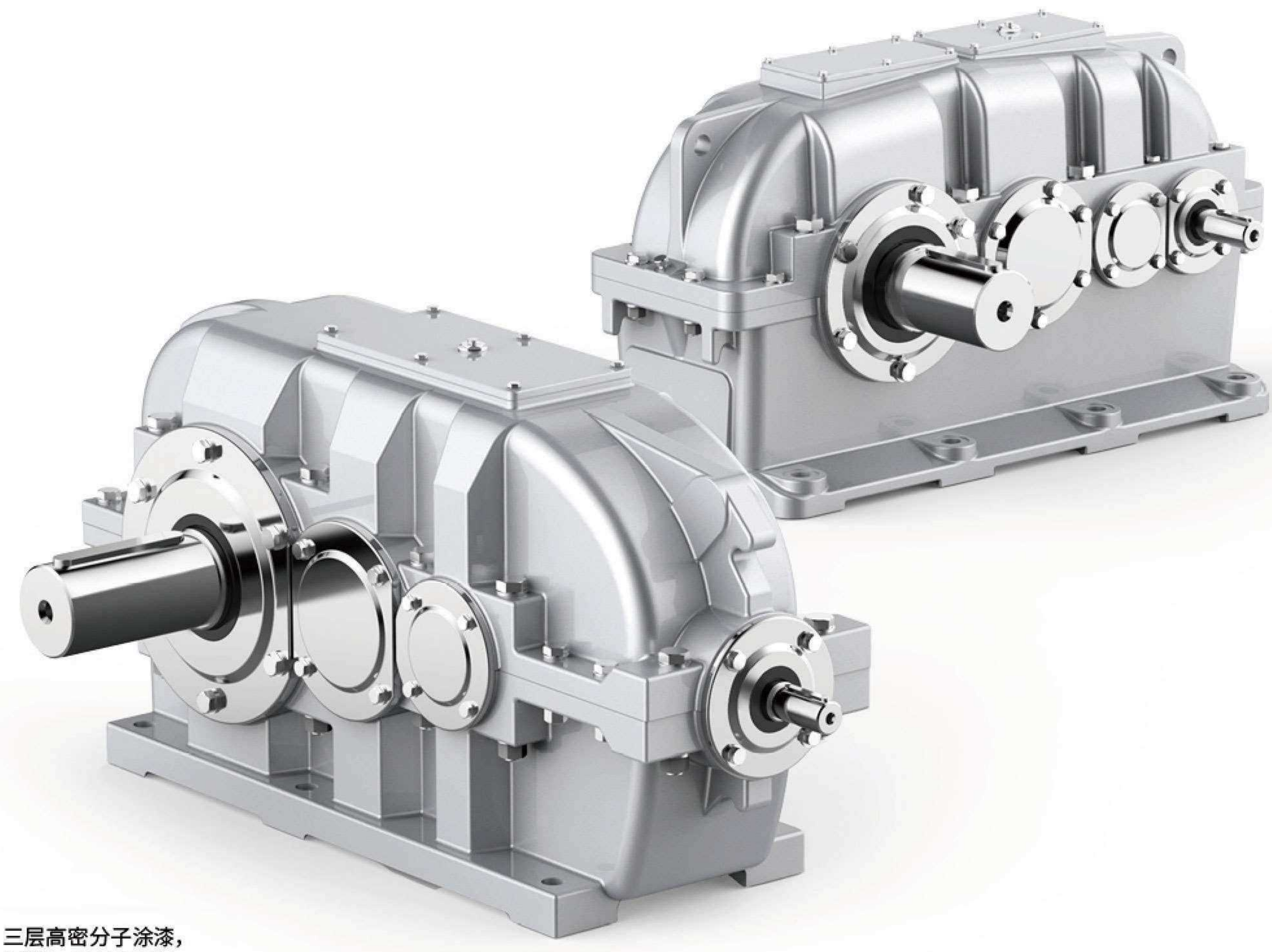
## Flatness tolerance of motor foot bearing surface (B35)



| AB 或 BB 中最大尺寸<br>Maximum dimension in AB or BB | 平面度公差（S）<br>Flatness tolerance (S) |
|---|---|
| > 100～160 | 0.12 |
| > 160～250 | 0.15 |
| > 250～400 | 0.20 |
| > 400～630 | 0.25 |
| > 630～1000 | 0.30 |

附录

# ZY DY SERIES

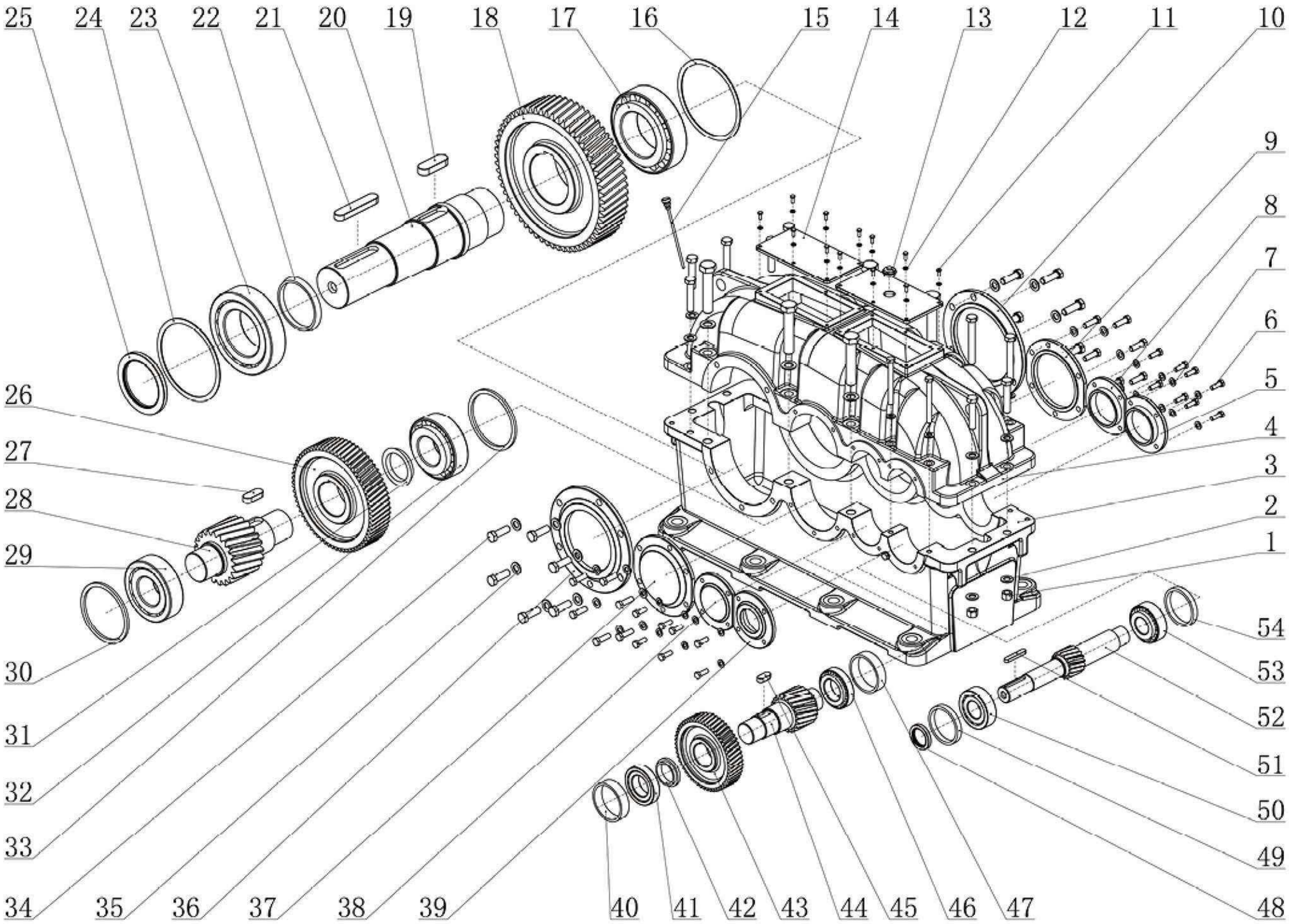


★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。

ZY




# ZY系列爆炸图

| | | | |
|---|---|---|---|
| 1.螺母 | 15.油尺 | 29.轴承 | 43.齿轮 |
| 2.平垫圈 | 16.垫圈 | 30.垫圈 | 44.齿轴 |
| 3.下箱体 | 17.轴承 | 31.轴套 | 45.平键 |
| 4.上箱体 | 18.齿轮 | 32.轴承 | 46.轴承 |
| 5.端盖 | 19.平键 | 33.垫圈 | 47.垫圈 |
| 6.螺栓 | 20.输出轴 | 34.螺栓 | 48.骨架油封 |
| 7.平垫圈 | 21.平键 | 35.平垫圈 | 49.垫圈 |
| 8.端盖 | 22.轴套 | 36.端盖 | 50.轴承 |
| 9.端盖 | 23.轴承 | 37.端盖 | 51.平键 |
| 10.端盖 | 24.垫圈 | 38.端盖 | 52.输入轴 |
| 11.螺栓 | 25.骨架油封 | 39.端盖 | 53.轴承 |
| 12.平垫圈 | 26.齿轮 | 40.垫圈 | 54.垫圈 |
| 13.通气帽 | 27.平键 | 41.轴承 | |
| 14.箱盖 | 28.齿轴 | 42.轴套 | |

# 圆柱齿轮减速机

## 1 概述

圆柱齿轮减速机为平行轴结构的外啮合齿轮传动装置。主要具备以下特点：

a) 齿轮采用高强度低碳合金钢经渗碳淬火而成，齿面硬度达 HRC58~62，齿轮均采用磨齿工艺，精度高，接触性好；

b) 传动效率高：单级达 96.5%，双级达 93%，三级大于 90%；

c) 运转平稳，噪声低；

d) 体积小，重量轻，使用寿命长，承载能力高；

e) 易于拆检，易于安装。



## 2 适用范围

本产品广泛应用于冶金、矿山、起重、运输、水泥、建筑、化工、纺织、印染、制药等领域。

本系列减速机适用条件如下，不满足下列条件时敬请技术咨询：

a) 高速轴转速不大于 1500 转/分；

b) 齿轮传动圆周速度不大于 20 米/秒；

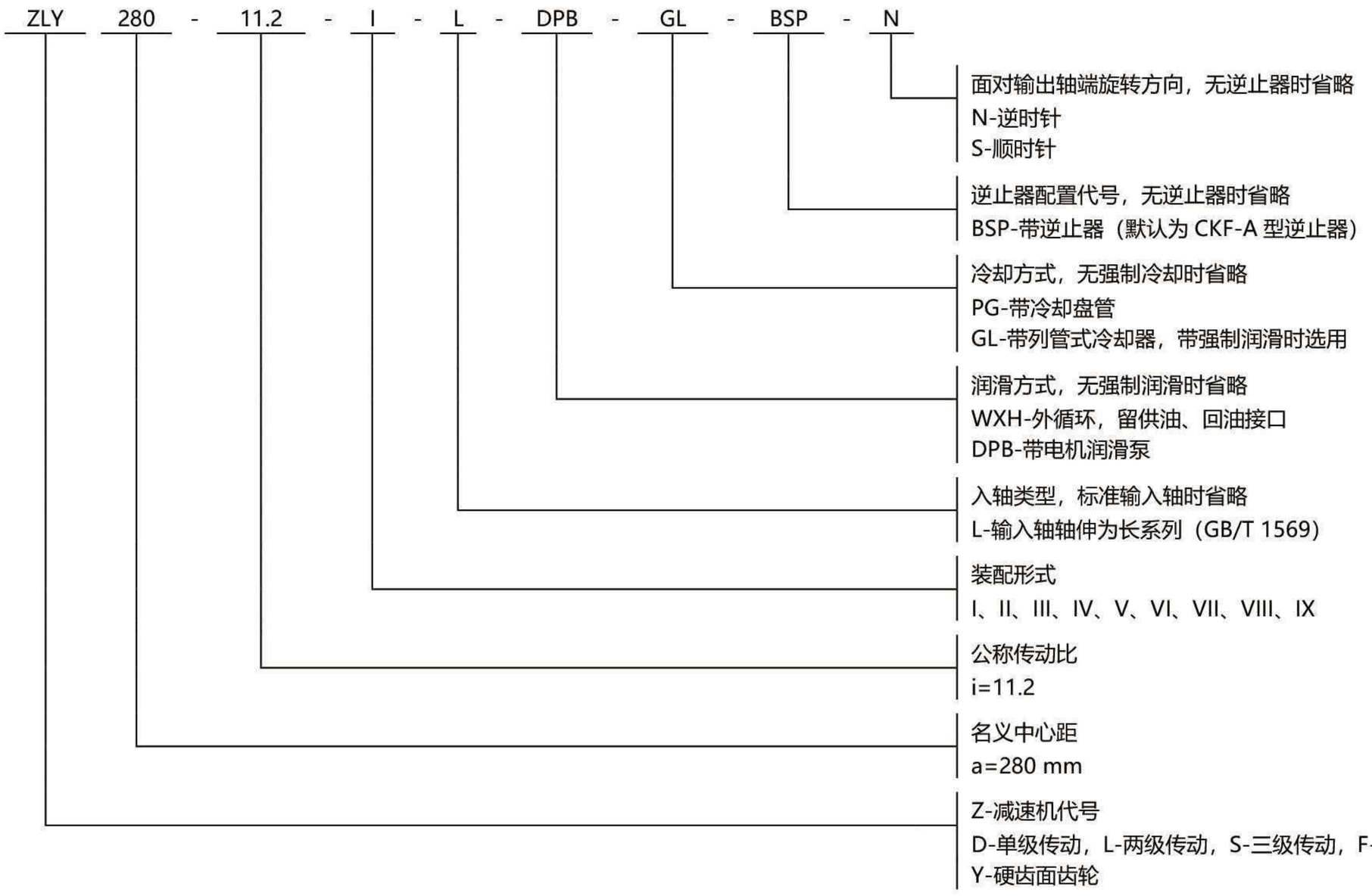
c) 工作环境温度为-40～+45℃，当环境温度低于 0℃时，启动前润滑油应加热（另配电加热器）；

d) 可正反双向运转(配置逆止器时只允许单向运转)。

## 3 型式标记

ZDY 型减速机为单级圆柱齿轮减速机，ZLY 型减速机为两级圆柱齿轮减速机，ZSY 型减速机为三级圆柱齿轮减速机，ZFY 型减速机为四级圆柱齿轮减速机。

标记示例：



# 4 外形及安装尺寸

## 4.1 ZDY 型圆柱齿轮减速机

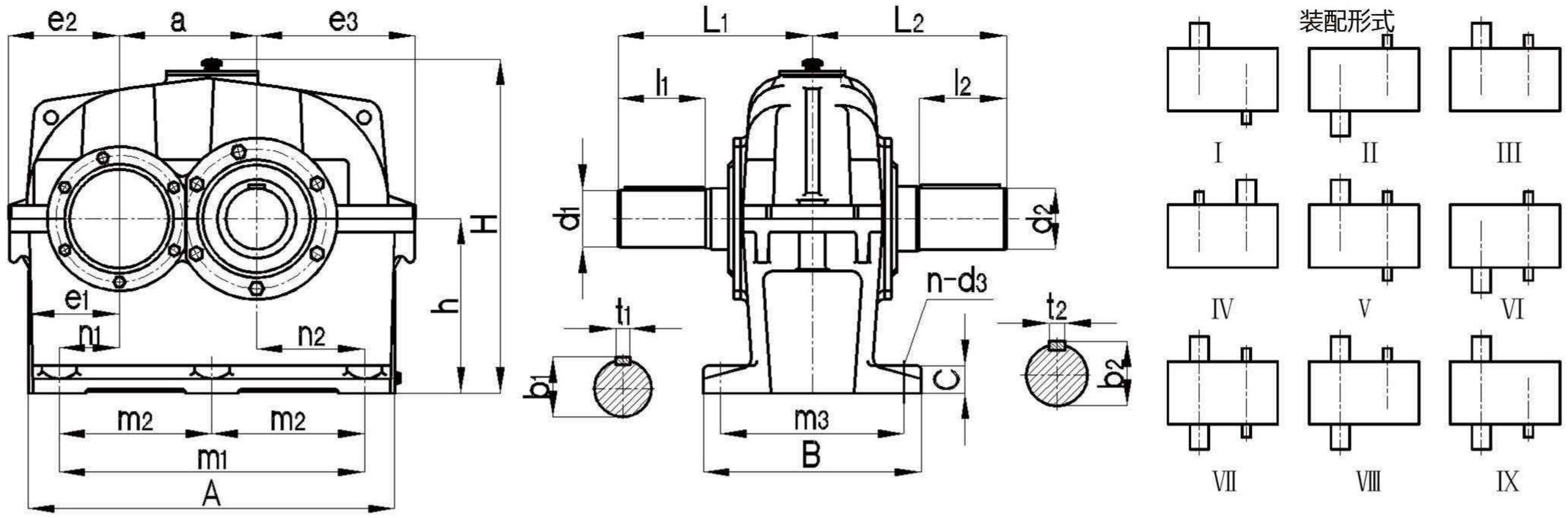


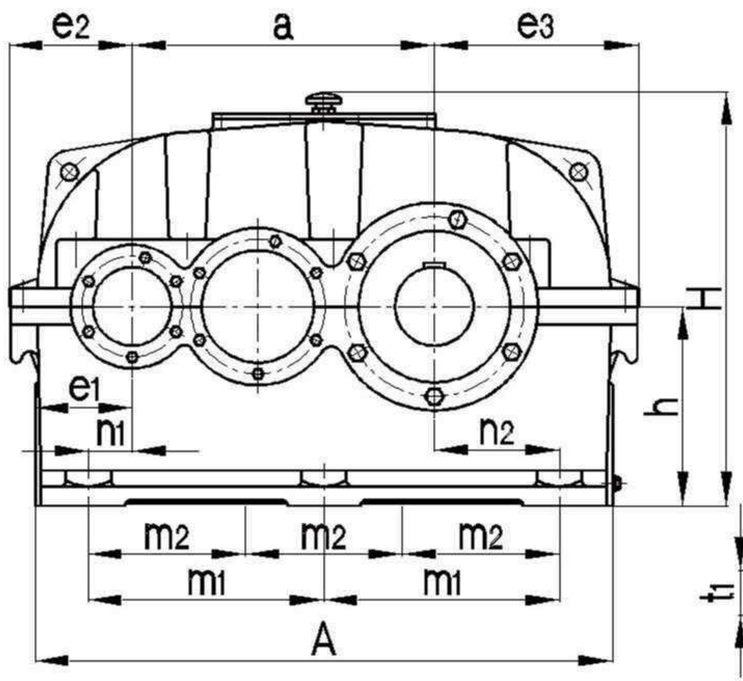

表 1 ZDY 减速机外形尺寸表 单位为毫米

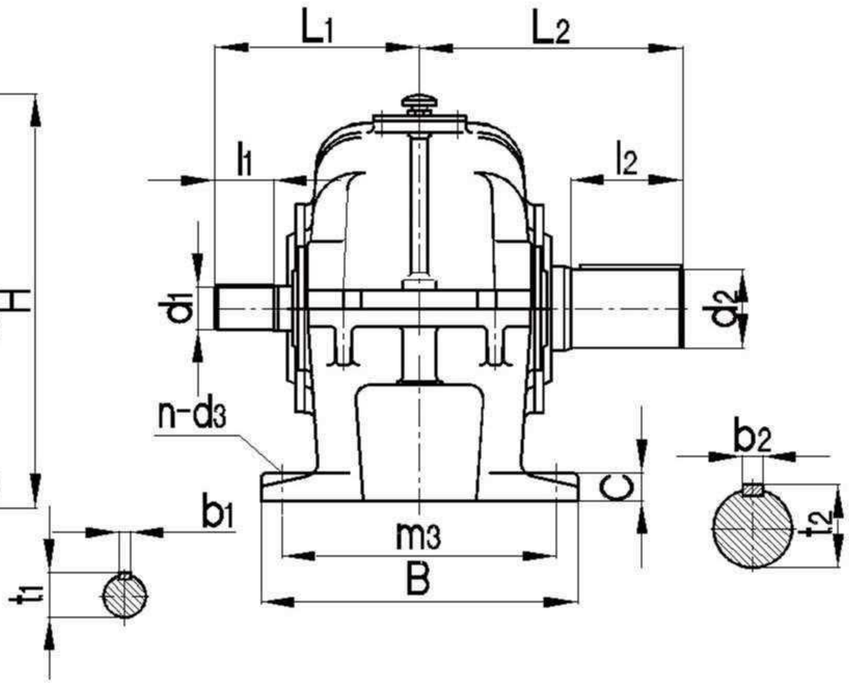
| 规格 | A | B | H≈ | a | i=1.25-2.8 | | | | | i=3.15-4.5 | | | | | i=5-5.6 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ |
| 80 | 235 | 145 | 210 | 80 | 28 | 42 | 112 | 8 | 31 | 24 | 36 | 106 | 8 | 27 | 19 | 28 | 98 | 6 | 21.5 |
| 100 | 290 | 170 | 260 | 100 | 42 | 82 | 167 | 12 | 45 | 28 | 42 | 127 | 8 | 31 | 22 | 36 | 121 | 6 | 24.5 |
| 125 | 355 | 190 | 330 | 125 | 48 | 82 | 182 | 14 | 51.5 | 38 | 58 | 158 | 10 | 41 | 28 | 42 | 142 | 8 | 31 |
| 160 | 445 | 240 | 403 | 160 | 65 | 105 | 225 | 18 | 69 | 48 | 82 | 202 | 14 | 51.5 | 38 | 58 | 178 | 10 | 41 |
| 200 | 545 | 305 | 507 | 200 | 80 | 130 | 275 | 22 | 85 | 60 | 105 | 250 | 18 | 64 | 48 | 82 | 227 | 14 | 51.5 |
| 250 | 680 | 365 | 662 | 250 | 100 | 165 | 340 | 28 | 106 | 80 | 130 | 305 | 22 | 85 | 60 | 105 | 280 | 18 | 64 |
| 280 | 755 | 445 | 722 | 280 | 110 | 165 | 385 | 28 | 116 | 85 | 130 | 350 | 22 | 90 | 65 | 105 | 325 | 18 | 69 |
| 315 | 840 | 495 | 770 | 315 | 130 | 200 | 445 | 32 | 137 | 95 | 130 | 375 | 25 | 100 | 75 | 105 | 350 | 20 | 79.5 |
| 355 | 930 | 545 | 930 | 355 | 140 | 200 | 470 | 36 | 148 | 100 | 165 | 435 | 28 | 106 | 90 | 130 | 400 | 25 | 95 |
| 400 | 1040 | 595 | 982 | 400 | 150 | 200 | 485 | 36 | 158 | 110 | 165 | 450 | 28 | 116 | 95 | 130 | 415 | 25 | 100 |
| 450 | 1150 | 635 | 1090 | 450 | 160 | 240 | 545 | 40 | 169 | 120 | 165 | 470 | 32 | 127 | 100 | 165 | 470 | 28 | 106 |
| 500 | 1290 | 710 | 1270 | 500 | 180 | 240 | 580 | 45 | 190 | 130 | 200 | 540 | 32 | 137 | 120 | 165 | 505 | 32 | 127 |
| 560 | 1440 | 780 | 1360 | 560 | 200 | 280 | 660 | 45 | 210 | 150 | 200 | 580 | 36 | 158 | 130 | 200 | 580 | 32 | 137 |

| 规格 | $d_2$ (m6) | $l_2$ | $L_2$ | $b_2$ | $t_2$ | C | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | $e_1$ | $e_2$ | $e_3$ | h | 地脚孔 | | 平均重量 (kg) | 润滑油量*) (L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | | | | $d_3$ | n | | |
| 80 | 32 | 58 | 128 | 10 | 35 | 16 | 180 | - | 120 | 40 | 60 | 67.5 | 81 | 101 | 100 | 12 | 4 | 14 | 0.9 |
| 100 | 48 | 82 | 167 | 14 | 51.5 | 20 | 225 | - | 140 | 52.5 | 72.5 | 85 | 102 | 122 | 125 | 15 | 4 | 35 | 1.6 |
| 125 | 55 | 82 | 182 | 16 | 59 | 20 | 290 | - | 160 | 65 | 100 | 97.5 | 119 | 155 | 160 | 15 | 4 | 76 | 3.2 |
| 160 | 70 | 105 | 225 | 20 | 74.5 | 25 | 355 | - | 200 | 73 | 122 | 118 | 141 | 190 | 200 | 18.5 | 4 | 115 | 6.5 |
| 200 | 90 | 130 | 275 | 25 | 95 | 32 | 425 | - | 255 | 80 | 145 | 140 | 169 | 235 | 250 | 24 | 4 | 228 | 12.5 |
| 250 | 110 | 165 | 340 | 28 | 116 | 40 | 550 | 275 | 305 | 110 | 190 | 175 | 214 | 295 | 315 | 28 | 6 | 400 | 23 |
| 280 | 130 | 200 | 420 | 32 | 137 | 40 | 620 | 310 | 380 | 120 | 220 | 187.5 | 228 | 328 | 355 | 28 | 6 | 540 | 36 |
| 315 | 140 | 200 | 445 | 36 | 148 | 50 | 700 | 350 | 420 | 137.5 | 247.5 | 207.5 | 254 | 364 | 400 | 35 | 6 | 800 | 45 |
| 355 | 150 | 200 | 470 | 36 | 158 | 50 | 770 | 385 | 470 | 142.5 | 272.5 | 222.5 | 269 | 397 | 450 | 35 | 6 | 1050 | 70 |
| 400 | 160 | 240 | 525 | 40 | 169 | 60 | 850 | 425 | 510 | 150 | 300 | 245 | 304 | 454 | 500 | 42 | 6 | 1640 | 90 |
| 450 | 170 | 240 | 545 | 40 | 179 | 60 | 950 | 475 | 550 | 165 | 335 | 265 | 331 | 501 | 560 | 42 | 6 | 2100 | 125 |
| 500 | 190 | 280 | 620 | 45 | 200 | 100 | 1080 | 540 | 610 | 190 | 390 | 295 | 418 | 618 | 630 | 42 | 6 | 3100 | 180 |
| 560 | 240 | 330 | 790 | 56 | 252 | 100 | 1200 | 600 | 680 | 205 | 435 | 325 | 432 | 662 | 710 | 48 | 6 | 3730 | 250 |

*）润滑油量只是参考值，加油时加至油标中心线

## 4.2 ZLY 型圆柱齿轮减速机



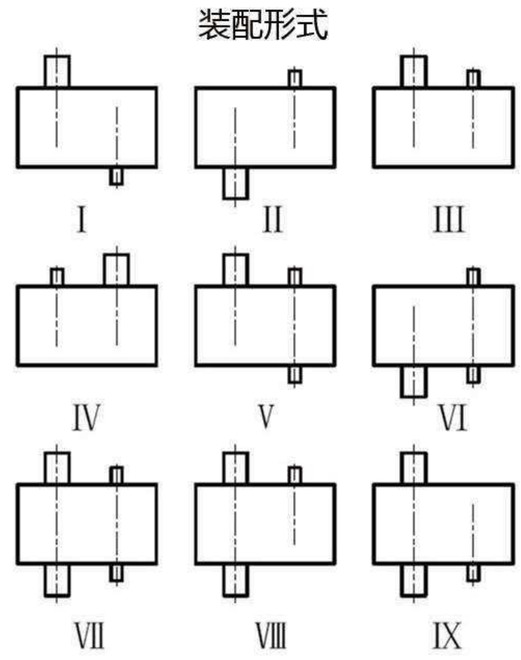



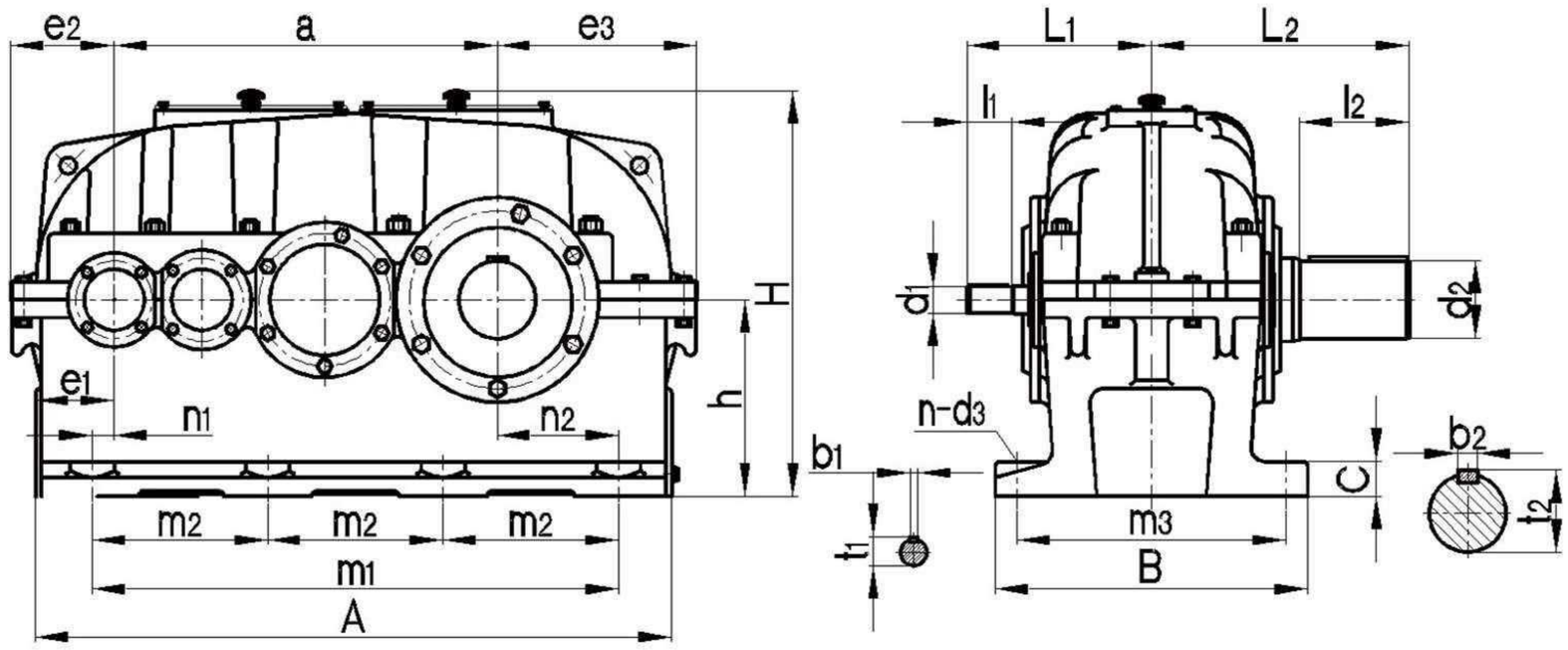

表 2　　ZLY 减速机外形尺寸表　　单位为毫米

| 规格 | A | B | H≈ | a | i=6.3-11.2 | | | | | i=12.5-20 | | | | | $d_2$ (m6) | $l_2$ | $L_2$ | $b_2$ | $t_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ | | | | | |
| 112 | 385 | 215 | 265 | 192 | 24 | 36 | 141 | 8 | 27 | 22 | 36 | 141 | 6 | 24.5 | 48 | 82 | 192 | 14 | 51.5 |
| 125 | 425 | 235 | 309 | 215 | 28 | 42 | 157 | 8 | 31 | 24 | 36 | 151 | 8 | 27 | 55 | 82 | 197 | 16 | 59 |
| 140 | 475 | 240 | 335 | 240 | 32 | 58 | 185 | 10 | 35 | 28 | 42 | 167 | 8 | 31 | 65 | 105 | 230 | 18 | 69 |
| 160 | 540 | 285 | 375 | 272 | 38 | 58 | 198 | 10 | 41 | 32 | 58 | 198 | 10 | 35 | 75 | 105 | 245 | 20 | 79.5 |
| 180 | 600 | 315 | 435 | 305 | 42 | 82 | 232 | 12 | 45 | 32 | 58 | 208 | 10 | 35 | 85 | 130 | 285 | 22 | 90 |
| 200 | 665 | 350 | 489 | 340 | 48 | 82 | 247 | 14 | 51.5 | 38 | 58 | 223 | 10 | 41 | 95 | 130 | 300 | 25 | 100 |
| 224 | 755 | 385 | 515 | 384 | 48 | 82 | 267 | 14 | 51.5 | 42 | 82 | 267 | 12 | 45 | 100 | 165 | 355 | 28 | 106 |
| 250 | 830 | 445 | 594 | 430 | 60 | 105 | 315 | 18 | 64 | 48 | 82 | 292 | 14 | 51.5 | 110 | 165 | 380 | 28 | 116 |
| 280 | 920 | 495 | 670 | 480 | 65 | 105 | 340 | 18 | 69 | 55 | 82 | 317 | 16 | 59 | 130 | 200 | 440 | 32 | 137 |
| 315 | 1030 | 565 | 780 | 539 | 75 | 105 | 365 | 20 | 79.5 | 60 | 105 | 365 | 18 | 64 | 140 | 200 | 470 | 36 | 148 |
| 355 | 1150 | 595 | 870 | 605 | 85 | 130 | 410 | 22 | 90 | 70 | 105 | 385 | 20 | 74.5 | 170 | 240 | 530 | 40 | 179 |
| 400 | 1280 | 680 | 968 | 680 | 90 | 130 | 440 | 25 | 95 | 80 | 130 | 440 | 22 | 85 | 180 | 240 | 560 | 45 | 190 |
| 450 | 1450 | 740 | 1065 | 765 | 100 | 165 | 515 | 28 | 106 | 85 | 130 | 480 | 22 | 90 | 220 | 280 | 640 | 50 | 231 |
| | | | | | i=6.3-12.5 | | | | | i=14-20 | | | | | | | | | |
| 500 | 1600 | 830 | 1190 | 855 | 110 | 165 | 555 | 28 | 116 | 95 | 130 | 520 | 25 | 100 | 240 | 330 | 730 | 56 | 252 |
| 560 | 1760 | 910 | 1320 | 960 | 120 | 165 | 575 | 32 | 127 | 110 | 165 | 575 | 28 | 116 | 280 | 380 | 820 | 63 | 292 |
| 630 | 1980 | 1010 | 1480 | 1080 | 140 | 200 | 660 | 36 | 148 | 120 | 165 | 625 | 32 | 127 | 300 | 380 | 870 | 70 | 314 |
| 710 | 2220 | 1110 | 1653 | 1210 | 160 | 240 | 740 | 40 | 169 | 140 | 200 | 700 | 36 | 148 | 340 | 450 | 990 | 80 | 355 |

| 规格 | C | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | $e_1$ | $e_2$ | $e_3$ | h | 地脚孔 | | 平均重量 | 润滑油量 *) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | $d_3$ | n | (kg) | (L) |
| 112 | 22 | 160 | - | 180 | 43 | 85 | 75.5 | 92 | 134 | 125 | 15 | 6 | 60 | 3 |
| 125 | 25 | 180 | - | 200 | 45 | 100 | 77.5 | 98 | 153 | 140 | 15 | 6 | 69 | 4.3 |
| 140 | 20 | 200 | - | 210 | 47.5 | 112.5 | 85 | 106 | 171 | 160 | 15 | 6 | 105 | 6 |
| 160 | 25 | 225 | - | 245 | 58 | 120 | 103 | 126 | 188 | 180 | 18.5 | 6 | 155 | 8.5 |
| 180 | 25 | 250 | - | 275 | 60 | 135 | 110 | 134 | 209 | 200 | 18.5 | 6 | 185 | 11.5 |
| 200 | 32 | 280 | - | 300 | 65 | 155 | 117.5 | 148 | 238 | 225 | 24 | 6 | 260 | 16.5 |
| 224 | 32 | 310 | - | 335 | 70 | 166 | 137.5 | 168 | 263 | 250 | 24 | 6 | 370 | 23 |
| 250 | 40 | 350 | - | 380 | 80 | 190 | 145 | 184 | 293 | 280 | 28 | 6 | 527 | 32 |
| 280 | 40 | 380 | - | 430 | 75 | 205 | 155 | 195 | 325 | 315 | 28 | 6 | 700 | 46 |
| 315 | 50 | 420 | - | 490 | 78 | 223 | 173 | 219 | 364 | 355 | 35 | 6 | 940 | 65 |
| 355 | 50 | 475 | - | 520 | 92.5 | 252.5 | 192.5 | 238 | 398 | 400 | 35 | 6 | 1250 | 90 |
| 400 | 60 | 520 | - | 590 | 95 | 265 | 215 | 275 | 445 | 450 | 42 | 6 | 1750 | 125 |
| 450 | 60 | - | 400 | 650 | 117.5 | 317.5 | 242.5 | 305 | 505 | 500 | 42 | 8 | 2650 | 180 |
| 500 | 100 | - | 440 | 710 | 120 | 345 | 262.5 | 337 | 557 | 560 | 48 | 8 | 3400 | 250 |
| 560 | 100 | - | 490 | 790 | 120 | 390 | 265 | 354 | 624 | 630 | 48 | 8 | 4500 | 350 |
| 630 | 125 | - | 540 | 870 | 115 | 425 | 295 | 384 | 694 | 710 | 56 | 8 | 6800 | 350 |
| 710 | 125 | - | 610 | 950 | 140 | 480 | 335 | 440 | 780 | 800 | 56 | 8 | 8509 | 520 |

*）润滑油量只是参考值，加油时加至油标中心线

## 4.3 ZSY 型圆柱齿轮减速机




装配形式

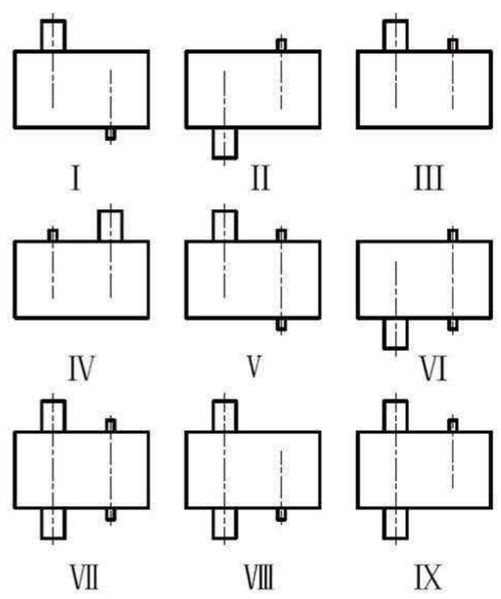


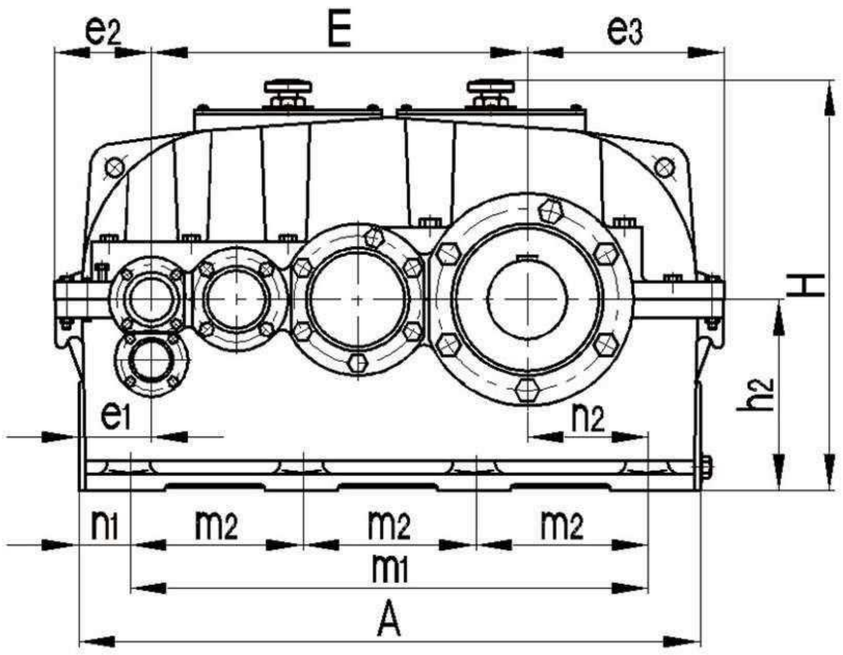

表 3　　ZSY 减速机外形尺寸表　　单位为毫米

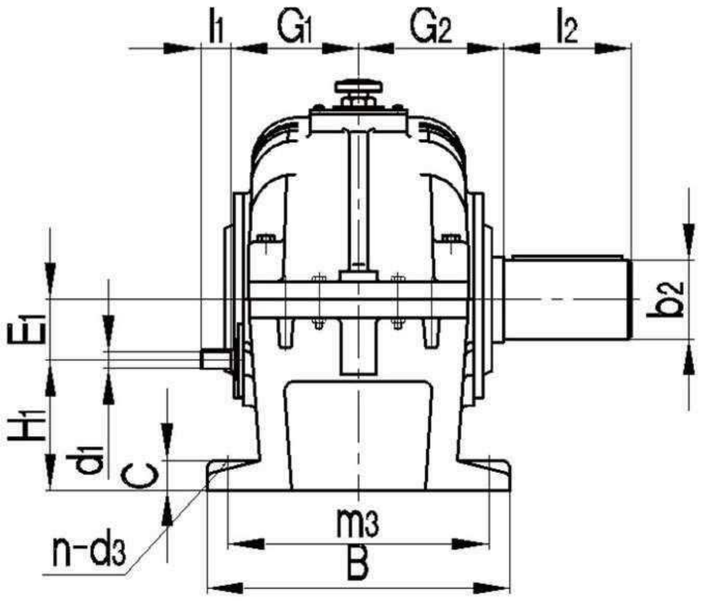
| 规格 | A | B | H≈ | a | i=22.4-71 | | | | | i=80-100 | | | | | $d_2$ (m6) | $l_2$ | $L_2$ | $b_2$ | $t_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ | $d_1$ (m6) | $l_1$ | $L_1$ | $b_1$ | $t_1$ | | | | | |
| 160 | 600 | 290 | 375 | 352 | 24 | 36 | 166 | 8 | 27 | 19 | 28 | 158 | 6 | 21.5 | 75 | 105 | 245 | 20 | 79.5 |
| 180 | 665 | 320 | 435 | 395 | 28 | 42 | 187 | 8 | 31 | 22 | 36 | 181 | 6 | 24.5 | 85 | 130 | 285 | 22 | 90 |
| 200 | 745 | 350 | 492 | 440 | 32 | 58 | 218 | 10 | 35 | 22 | 36 | 196 | 6 | 24.5 | 95 | 130 | 300 | 25 | 100 |
| 224 | 840 | 385 | 535 | 496 | 38 | 58 | 233 | 10 | 41 | 24 | 36 | 211 | 8 | 27 | 100 | 165 | 355 | 28 | 106 |
| 250 | 930 | 445 | 589 | 555 | 42 | 82 | 282 | 12 | 45 | 32 | 58 | 258 | 10 | 35 | 110 | 165 | 380 | 28 | 116 |
| 280 | 1025 | 495 | 662 | 620 | 48 | 82 | 307 | 14 | 51.5 | 38 | 58 | 283 | 10 | 41 | 130 | 200 | 440 | 32 | 137 |
| 315 | 1160 | 565 | 749 | 699 | 48 | 82 | 337 | 14 | 51.5 | 42 | 82 | 337 | 12 | 45 | 140 | 200 | 470 | 36 | 148 |
| | | | | | i=22.4-35.5 | | | | | i=40-90 | | | | | | | | | |
| 355 | 1280 | 595 | 870 | 785 | 60 | 105 | 380 | 18 | 64 | 48 | 82 | 357 | 14 | 51.5 | 170 | 240 | 530 | 40 | 179 |
| 400 | 1420 | 680 | 968 | 880 | 65 | 105 | 410 | 18 | 69 | 55 | 82 | 387 | 16 | 59 | 180 | 240 | 560 | 45 | 190 |
| 450 | 1610 | 740 | 1067 | 989 | 70 | 105 | 450 | 20 | 74.5 | 60 | 105 | 450 | 18 | 64 | 220 | 280 | 640 | 50 | 231 |
| | | | | | i=22.4-45 | | | | | i=50-90 | | | | | | | | | |
| 500 | 1790 | 830 | 1170 | 1105 | 80 | 130 | 515 | 22 | 85 | 65 | 105 | 490 | 18 | 69 | 240 | 330 | 730 | 56 | 252 |
| 560 | 2010 | 910 | 1320 | 1240 | 95 | 130 | 530 | 25 | 100 | 75 | 105 | 505 | 20 | 79.5 | 280 | 380 | 820 | 63 | 292 |
| 630 | 2260 | 1030 | 1480 | 1395 | 110 | 165 | 625 | 28 | 116 | 85 | 130 | 590 | 22 | 90 | 300 | 380 | 880 | 70 | 314 |
| 710 | 2540 | 1160 | 1655 | 1565 | 120 | 165 | 685 | 32 | 127 | 90 | 130 | 650 | 25 | 95 | 340 | 450 | 1010 | 80 | 355 |

| 规格 | C | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | $e_1$ | $e_2$ | $e_3$ | h | 地脚孔 | | 平均重量 (kg) | 润滑油量 *) (L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | $d_3$ | n | | |
| 160 | 32 | 510 | 170 | 245 | 38 | 120 | 83 | 107 | 188 | 180 | 18.5 | 8 | 170 | 10 |
| 180 | 32 | 570 | 190 | 275 | 37.5 | 137.5 | 85 | 109 | 209 | 200 | 18.5 | 8 | 205 | 14 |
| 200 | 32 | 630 | 210 | 300 | 40 | 150 | 97.5 | 128 | 238 | 225 | 24 | 8 | 285 | 19 |
| 224 | 32 | 705 | 235 | 335 | 43.5 | 165.5 | 110.5 | 141 | 263 | 250 | 24 | 8 | 395 | 26 |
| 250 | 40 | 810 | 270 | 380 | 60 | 195 | 120 | 158 | 293 | 280 | 28 | 8 | 540 | 36 |
| 280 | 40 | 855 | 285 | 430 | 35 | 200 | 120 | 160 | 325 | 315 | 28 | 8 | 750 | 53 |
| 315 | 50 | 960 | 320 | 490 | 40 | 221 | 143 | 189 | 364 | 355 | 35 | 8 | 1030 | 78 |
| 355 | 50 | 1080 | 360 | 520 | 42.5 | 252.5 | 143 | 188 | 398 | 400 | 35 | 8 | 1400 | 115 |
| 400 | 60 | 1200 | 400 | 590 | 45 | 275 | 155 | 215 | 445 | 450 | 42 | 8 | 1950 | 160 |
| 450 | 60 | 1350 | 450 | 650 | 48 | 313 | 178 | 240 | 505 | 500 | 42 | 8 | 2636 | 220 |
| 500 | 100 | 1500 | 500 | 710 | 59 | 336 | 200 | 277 | 557 | 560 | 48 | 8 | 3800 | 300 |
| 560 | 100 | 1680 | 560 | 790 | 70 | 370 | 235 | 324 | 624 | 630 | 48 | 8 | 5100 | 450 |
| 630 | 125 | 1890 | 630 | 890 | 72.5 | 422.5 | 255 | 344 | 694 | 710 | 56 | 8 | 7060 | 520 |
| 710 | 125 | 2130 | 710 | 1000 | 92.5 | 472.5 | 297.5 | 400 | 780 | 800 | 56 | 8 | 9205 | 820 |

*）润滑油量只是参考值，加油时加至油标中心线

## 4.4 ZFY 型圆柱齿轮减速机




装配形式

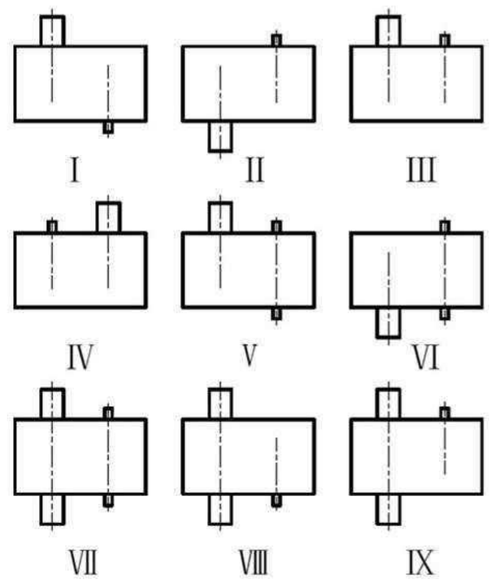



表 4　　ZFY 减速机外形尺寸表　　单位为毫米

| 规格 | A | B | C | i=112-280 | | i=315-500 | | | | $d_2$ | $l_2$ | E | $E_1$ | $e_1$ | $e_2$ | $e_3$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | $d_1$ | $l_1$ | $d_1$ | $l_1$ | $d_1$ | $l_1$ | | | | | | | |
| 180 | 665 | 320 | 32 | 16k6 | 30 | 14k6 | 30 | - | - | 85m6 | 140 | 395 | 63 | 85 | 109 | 209 |
| 200 | 745 | 355 | 40 | 19k6 | 35 | 16k6 | 30 | - | - | 90m6 | 160 | 440 | 70 | 97.5 | 128 | 238 |
| 225 | 840 | 390 | 40 | 22k6 | 35 | 19k6 | 35 | - | - | 100m6 | 180 | 497 | 80 | 110.5 | 141 | 263 |
| 250 | 930 | 450 | 50 | 24k6 | 40 | 22k6 | 35 | - | - | 110m6 | 180 | 555 | 90 | 120 | 158 | 293 |
| 280 | 1025 | 500 | 50 | 28m6 | 50 | 24k6 | 40 | - | - | 130n6 | 210 | 620 | 100 | 120 | 160 | 325 |
| 320 | 1160 | 570 | 63 | 32m6 | 60 | 28m6 | 50 | - | - | 140n6 | 240 | 705 | 112 | 140 | 189 | 364 |
| | | | | i=100-140 | | i=160-250 | | i=280-500 | | | | | | | | |
| 360 | 1280 | 600 | 63 | 38m6 | 60 | 32m6 | 60 | 28m6 | 50 | 170n6 | 270 | 790 | 125 | 140 | 188 | 398 |
| 400 | 1420 | 690 | 80 | 42m6 | 70 | 38m6 | 60 | 32m6 | 60 | 180n6 | 310 | 880 | 140 | 155 | 215 | 445 |
| 450 | 1610 | 750 | 80 | 48m6 | 80 | 42m6 | 70 | 38m6 | 60 | 210n6 | 350 | 995 | 160 | 175 | 240 | 505 |
| | | | | i=100-160 | | i=180-250 | | i=280-500 | | | | | | | | |
| 500 | 1790 | 830 | 100 | 48m6 | 80 | 42m6 | 70 | 38m6 | 60 | 240n6 | 400 | 1110 | 180 | 200 | 277 | 557 |
| 560 | 2010 | 910 | 100 | 60m6 | 105 | 55m6 | 90 | 48m6 | 80 | 270n6 | 450 | 1240 | 200 | 235 | 324 | 624 |
| 630 | 2260 | 1030 | 125 | 65m6 | 105 | 60m6 | 105 | 48m6 | 80 | 300n6 | 500 | 1400 | 225 | 255 | 344 | 694 |
| 710 | 2540 | 1160 | 125 | 75m6 | 120 | 65m6 | 105 | 55m6 | 90 | 340n6 | 550 | 1570 | 250 | 295 | 400 | 780 |
| 800 | 2850 | 1320 | 160 | 80m6 | 140 | 70m6 | 120 | 65m6 | 105 | 390n6 | 650 | 1760 | 280 | 335 | 448 | 868 |

| 规格 | $G_1$ | $G_2$ | $h_1$ | $h_2$ | H | $m_1$ | $m_2$ | $m_3$ | $n_1$ | $n_2$ | n-$d_3$ | 平均重量 (kg) | 润滑油量 *) (L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 180 | 145 | 155 | 137 | 200 | 415 | 570 | 190 | 275 | 47.5 | 137.5 | 8-Φ18.5 | 205 | 16 |
| 200 | 160 | 170 | 155 | 225 | 462 | 630 | 210 | 300 | 57.5 | 150 | 8-Φ24 | 290 | 21 |
| 225 | 170 | 190 | 170 | 250 | 511 | 705 | 235 | 335 | 67.5 | 165 | 8-Φ24 | 400 | 29 |
| 250 | 190 | 215 | 190 | 280 | 570 | 810 | 270 | 380 | 60 | 195 | 8-Φ28 | 550 | 40 |
| 280 | 210 | 240 | 215 | 315 | 644 | 855 | 285 | 430 | 85 | 200 | 8-Φ28 | 760 | 58 |
| 320 | 230 | 270 | 243 | 355 | 719 | 960 | 320 | 490 | 100 | 215 | 8-Φ35 | 1100 | 82 |
| 360 | 255 | 290 | 275 | 400 | 806 | 1080 | 360 | 520 | 100 | 247.5 | 8-Φ35 | 1450 | 140 |
| 400 | 290 | 320 | 310 | 450 | 906 | 1200 | 400 | 590 | 110 | 275 | 8-Φ42 | 2000 | 185 |
| 450 | 320 | 360 | 340 | 500 | 1006 | 1350 | 450 | 650 | 130 | 310 | 8-Φ42 | 2700 | 260 |
| 500 | 355 | 400 | 380 | 560 | 1121 | 1500 | 500 | 710 | 145 | 335 | 8-Φ48 | 3900 | 360 |
| 560 | 400 | 440 | 430 | 630 | 1261 | 1680 | 560 | 790 | 165 | 370 | 8-Φ48 | 5200 | 530 |
| 630 | 450 | 500 | 485 | 710 | 1406 | 1890 | 630 | 890 | 185 | 420 | 8-Φ56 | 7300 | 570 |
| 710 | 500 | 560 | 550 | 800 | 1581 | 2130 | 710 | 1000 | 205 | 470 | 8-Φ56 | 11000 | 900 |
| 800 | 575 | 645 | 620 | 900 | 1783 | 2400 | 800 | 1140 | 225 | 530 | 8-Φ62 | 14000 | 1200 |

*）润滑油量只是参考值，加油时加至油标中心线

# 5 减速机承载能力

## 5.1 减速机公称输入功率

表 5 ZDY 减速机公称输入功率 $P_1$

| 公称传动比 i | 公称转速 (r/min) | | 规格 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输入 $n_1$ **) | 输出 $n_2$ | 80 | 100 | 125 | 160 | 200 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 |
| | | | 公称输入功率 $P_1$ *) (kW) | | | | | | | | | | | | |
| 1.25 | 1500 | 1200 | 57 | 103 | 205 | 360 | 633 | 1121 | - | - | - | - | - | - | - |
| | 1000 | 800 | 40 | 69 | 140 | 260 | 446 | 807 | - | - | - | - | - | - | - |
| | 750 | 600 | 31 | 52 | 105 | 190 | 348 | 636 | - | - | - | - | - | - | - |
| 1.4 | 1500 | 1070 | 53 | 96 | 194 | 326 | 616 | 1109 | - | - | - | - | - | - | - |
| | 1000 | 715 | 37 | 65 | 132 | 240 | 433 | 794 | - | - | - | - | - | - | - |
| | 750 | 535 | 29 | 48 | 102 | 180 | 337 | 624 | - | - | - | - | - | - | - |
| 1.6 | 1500 | 940 | 49 | 92 | 180 | 310 | 587 | 1068 | 1473 | 1996 | 2766 | - | - | - | - |
| | 1000 | 625 | 34 | 63 | 125 | 217 | 410 | 760 | 1051 | 1430 | 1992 | - | - | - | - |
| | 750 | 470 | 27 | 50 | 98 | 168 | 319 | 595 | 824 | 1124 | 1569 | - | - | - | - |
| 1.8 | 1500 | 835 | 45 | 87 | 173 | 290 | 557 | 1024 | 1411 | 1925 | 2663 | - | - | - | - |
| | 1000 | 555 | 31 | 62 | 120 | 206 | 389 | 726 | 1002 | 1372 | 1906 | - | - | - | - |
| | 750 | 415 | 24 | 48 | 95 | 160 | 302 | 567 | 784 | 1074 | 1497 | - | - | - | - |
| 2 | 1500 | 750 | 39 | 80 | 158 | 278 | 526 | 970 | 1339 | 1827 | 2536 | - | - | - | - |
| | 1000 | 500 | 27 | 55 | 110 | 194 | 367 | 684 | 946 | 1296 | 1806 | 2547 | 3578 | 4793 | - |
| | 750 | 375 | 21 | 43 | 85 | 150 | 284 | 534 | 738 | 1013 | 1414 | 1999 | 2821 | 3775 | 5169 |
| 2.24 | 1500 | 670 | 36 | 70 | 141 | 264 | 484 | 914 | 1236 | 1711 | 2377 | - | - | - | - |
| | 1000 | 445 | 25 | 49 | 98 | 183 | 337 | 645 | 874 | 1207 | 1683 | 2402 | 3397 | 4512 | - |
| | 750 | 335 | 19 | 38 | 76 | 142 | 262 | 503 | 682 | 941 | 1314 | 1878 | 2667 | 3538 | 4833 |
| 2.5 | 1500 | 600 | 32 | 64 | 127 | 245 | 447 | 855 | 1154 | 1617 | 2264 | - | - | - | - |
| | 1000 | 400 | 22 | 45 | 88 | 170 | 311 | 601 | 812 | 1136 | 1596 | 2235 | 3182 | 4353 | - |
| | 750 | 300 | 17 | 35 | 68 | 132 | 241 | 468 | 633 | 884 | 1243 | 1742 | 2492 | 3406 | 4645 |
| 2.8 | 1500 | 535 | 27 | 53 | 115 | 224 | 409 | 789 | 1063 | 1489 | 2068 | - | - | - | - |
| | 1000 | 360 | 19 | 37 | 80 | 155 | 284 | 552 | 746 | 1048 | 1456 | 2049 | 2945 | 4000 | - |
| | 750 | 270 | 15 | 29 | 62 | 120 | 220 | 429 | 580 | 816 | 1134 | 1593 | 2296 | 3118 | 4232 |
| 3.15 | 1500 | 475 | 23 | 47 | 96 | 203 | 375 | 709 | 990 | 1359 | 1924 | 2658 | 3790 | 5036 | 6666 |
| | 1000 | 315 | 16 | 33 | 67 | 140 | 260 | 496 | 695 | 952 | 1352 | 1817 | 2681 | 3607 | 4807 |
| | 750 | 235 | 13 | 25 | 52 | 109 | 202 | 385 | 540 | 740 | 1052 | 1458 | 2084 | 2802 | 3747 |
| 3.55 | 1500 | 425 | 20 | 41 | 85 | 179 | 337 | 639 | 898 | 1210 | 1730 | 2410 | 3407 | 4460 | 6119 |
| | 1000 | 280 | 14 | 28 | 59 | 124 | 234 | 446 | 628 | 845 | 1210 | 1694 | 2396 | 3196 | 4395 |
| | 750 | 210 | 11 | 22 | 46 | 96 | 181 | 346 | 488 | 655 | 940 | 1312 | 1856 | 2483 | 3419 |
| 4 | 1500 | 375 | 17 | 34 | 69 | 155 | 300 | 570 | 774 | 1095 | 1555 | 2146 | 2981 | 3985 | 5651 |
| | 1000 | 250 | 12 | 24 | 48 | 107 | 208 | 396 | 539 | 764 | 1088 | 1501 | 2090 | 2838 | 4033 |
| | 750 | 187 | 9 | 18 | 37 | 83 | 161 | 307 | 418 | 590 | 844 | 1160 | 1618 | 2199 | 3128 |
| 4.5 | 1500 | 335 | 14 | 29 | 55 | 137 | 260 | 495 | 703 | 997 | 1367 | 1878 | 2619 | 3635 | 4912 |
| | 1000 | 220 | 9.5 | 20 | 38 | 95 | 180 | 344 | 488 | 694 | 953 | 1311 | 1832 | 2582 | 3485 |
| | 750 | 166 | 7 | 15 | 30 | 73 | 139 | 266 | 378 | 536 | 738 | 1015 | 1416 | 1997 | 2694 |
| 5 | 1500 | 300 | 11 | 25 | 48 | 121 | 229 | 451 | 608 | 864 | 1179 | 1680 | 2340 | 3149 | 4400 |
| | 1000 | 200 | 8 | 17 | 33 | 84 | 159 | 313 | 422 | 599 | 820 | 1168 | 1629 | 2231 | 3125 |
| | 750 | 150 | 6 | 13 | 26 | 65 | 123 | 242 | 326 | 462 | 633 | 900 | 1257 | 1724 | 2418 |
| 5.6 | 1500 | 270 | 10 | 20 | 40 | 109 | 211 | 389 | 531 | 779 | 1031 | 1564 | 2038 | 2791 | 3778 |
| | 1000 | 180 | 7 | 14 | 27 | 75 | 146 | 270 | 368 | 540 | 716 | 1088 | 1417 | 1969 | 2670 |
| | 750 | 134 | 5 | 11 | 21 | 59 | 113 | 208 | 285 | 416 | 554 | 838 | 1092 | 1519 | 2061 |

*) $P_1$ 为计算功率或台架试验功率。配套电机时必须考虑工况系数 $K_A$ 和安全系数 $S_A$，见后页

**) $n_1$ 为减速机输入轴转速

表 6 ZLY 减速机公称输入功率 $P_1$

| 公称传动比 i | 公称转速 (r/min) | | 规格 | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输入 $n_1$ **) | 输出 $n_2$ | 112 | 125 | 140 | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 | 710 |
| | | | 公称输入功率 $P_1$ *) (kW) | | | | | | | | | | | | | | | | |
| 6.3 | 1500 | 240 | 37.4 | 54 | 73 | 114 | 157 | 221 | 305 | 424 | 578 | 791 | 1156 | 1650 | 2192 | 3132 | 4310 | | |
| | 1000 | 160 | 26.4 | 37.4 | 50 | 78 | 109 | 153 | 211 | 294 | 400 | 548 | 802 | 1146 | 1558 | 2181 | 3000 | 4347 | 6229 |
| | 750 | 120 | 19.5 | 28.6 | 38.5 | 60 | 84 | 119 | 163 | 227 | 308 | 422 | 618 | 884 | 1213 | 1685 | 2320 | 3357 | 4884 |
| 7.1 | 1500 | 210 | 34 | 49 | 66 | 104 | 143 | 201 | 277 | 385 | 525 | 719 | 1051 | 1500 | 1993 | 2847 | 3817 | | |
| | 1000 | 140 | 24 | 34 | 45.4 | 71 | 99 | 139 | 192 | 267 | 364 | 498 | 729 | 1042 | 1416 | 1983 | 2731 | 3952 | 5663 |
| | 750 | 106 | 17.7 | 26 | 35 | 54.5 | 76 | 108 | 148 | 206 | 280 | 384 | 562 | 804 | 1103 | 1532 | 2109 | 3052 | 4440 |
| 8 | 1500 | 185 | 32 | 43 | 61 | 94.5 | 130 | 181.5 | 250 | 347 | 469 | 678 | 932 | 1309 | 1869 | 2489 | 3520 | | |
| | 1000 | 125 | 21.5 | 29.5 | 42.4 | 64 | 93 | 126 | 173 | 241 | 325 | 470 | 646 | 908 | 1298 | 1730 | 2447 | 3398 | 5019 |
| | 750 | 94 | 17 | 23 | 33 | 49 | 69 | 97 | 133 | 186 | 251 | 362 | 498 | 700 | 1000 | 1333 | 1887 | 2619 | 3881 |
| 9 | 1500 | 167 | 29 | 38.5 | 56 | 81 | 119 | 165.5 | 227 | 315 | 423 | 612 | 841 | 1182 | 1689 | 2248 | 3183 | | |
| | 1000 | 111 | 20 | 27 | 38.5 | 55 | 82.5 | 115 | 157 | 218 | 293 | 424 | 583 | 819 | 1172 | 1561 | 2210 | 3068 | 4537 |
| | 750 | 83 | 15 | 20.5 | 30 | 42 | 64 | 88 | 121 | 168 | 226 | 327 | 449 | 631 | 903 | 1202 | 1703 | 2363 | 3502 |
| 10 | 1500 | 150 | 26 | 35 | 50 | 73 | 109 | 149 | 204 | 284 | 383 | 555 | 762 | 1070 | 1530 | 2038 | 2883 | | |
| | 1000 | 100 | 18 | 24 | 35 | 50 | 75 | 103 | 142 | 197 | 266 | 384 | 528 | 742 | 1061 | 1414 | 2001 | 2777 | 4112 |
| | 750 | 75 | 14 | 18.5 | 26.6 | 38 | 58 | 80 | 109 | 152 | 204 | 296 | 407 | 571 | 817 | 1088 | 1541 | 2139 | 3172 |
| 11.2 | 1500 | 134 | 23 | 31.5 | 45 | 66 | 96 | 133 | 184 | 255 | 346 | 500 | 688 | 966 | 1381 | 1839 | 2604 | | |
| | 1000 | 89 | 16 | 22 | 31 | 45 | 67 | 92 | 127 | 177 | 240 | 347 | 477 | 669 | 957 | 1275 | 1806 | 2506 | 3711 |
| | 750 | 67 | 12 | 17 | 24 | 35 | 51 | 71 | 98 | 136 | 185 | 267 | 367 | 516 | 737 | 982 | 1391 | 1930 | 2862 |
| 12.5 | 1500 | 120 | 21 | 28 | 40 | 59 | 83 | 116.5 | 165 | 229 | 311 | 450 | 618 | 869 | 1242 | 1654 | 2341 | | |
| | 1000 | 80 | 14 | 19.5 | 28 | 40 | 57 | 81 | 114 | 159 | 216 | 312 | 428 | 601 | 860 | 1146 | 1621 | 2251 | 3338 |
| | 750 | 60 | 11 | 15 | 21 | 31 | 44 | 63 | 88 | 122 | 166 | 240 | 330 | 463 | 663 | 882 | 1249 | 1734 | 2573 |
| 14 | 1500 | 107 | 18.5 | 25 | 36 | 52.5 | 74 | 105 | 148 | 206 | 279 | 404 | 555 | 779 | 1115 | 1485 | 2162 | 2918 | 4318 |
| | 1000 | 71 | 12.5 | 17.5 | 25 | 36 | 51 | 73 | 102 | 142 | 193 | 280 | 384 | 540 | 772 | 1028 | 1455 | 2020 | 2996 |
| | 750 | 54 | 9.8 | 13 | 19 | 27.6 | 39 | 56 | 79 | 110 | 149 | 216 | 296 | 416 | 594 | 792 | 1120 | 1555 | 2310 |
| 16 | 1500 | 94 | 16 | 22 | 31 | 47.5 | 70.5 | 98 | 133 | 185 | 251 | 362 | 498 | 700 | 1000 | 1333 | 1887 | 2619 | 3879 |
| | 1000 | 62 | 11 | 15 | 21.5 | 32 | 49 | 68 | 92 | 128 | 174 | 251 | 345 | 484 | 693 | 923 | 1306 | 1812 | 2690 |
| | 750 | 47 | 8 | 11.5 | 17 | 25 | 38 | 53 | 71 | 99 | 134 | 193 | 266 | 373 | 533 | 711 | 1005 | 1395 | 2073 |
| 18 | 1500 | 83 | 14 | 19.5 | 28 | 42.5 | 60.5 | 86 | 115 | 161 | 225 | 326 | 448 | 629 | 899 | 1197 | 1697 | 2353 | 3487 |
| | 1000 | 56 | 10 | 13.5 | 19.6 | 29 | 42 | 59.5 | 80 | 111 | 156 | 226 | 310 | 435 | 622 | 829 | 1175 | 1628 | 2417 |
| | 750 | 42 | 7.5 | 10.5 | 15 | 22 | 32 | 46 | 61 | 86 | 120 | 174 | 239 | 335 | 479 | 638 | 905 | 1252 | 1861 |
| 20 | 1500 | 75 | 13 | 18 | 25.5 | 38 | 59 | 77 | 103 | 142 | 205 | 296 | 418 | 587 | 839 | 1120 | 1580 | 2200 | 3260 |
| | 1000 | 50 | 9 | 12 | 18 | 26.5 | 41 | 53.5 | 72 | 95 | 142 | 205 | 279 | 392 | 560 | 746 | 1050 | 1460 | 2170 |
| | 750 | 38 | 6.8 | 9.5 | 14 | 20 | 32 | 41 | 55 | 76 | 109 | 158 | 210 | 295 | 420 | 562 | 735 | 1120 | 1635 |

*) $P_1$ 为计算功率或台架试验功率。配套电机时必须考虑工况系数 $K_A$ 和安全系数 $S_A$，见后页

**) $n_1$ 为减速机输入轴转速

表 7 ZSY 减速机公称输入功率 $P_1$

| 公称传动比 i | 公称转速 (r/min) | | 规格 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输入 n1 **) | 输出 n2 | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 | 710 |
| | | | 公称输入功率 $P_1$ *) (kW) | | | | | | | | | | | | | |
| 22.4 | 1500 | 67 | 34 | 51 | 68 | 98 | 131 | 182 | 270 | 400 | 530 | 780 | 1065 | 1450 | 1865 | |
| | 1000 | 44 | 24 | 35 | 48 | 68 | 91 | 128 | 185 | 262 | 355 | 540 | 750 | 1025 | 1325 | 1905 |
| | 750 | 33 | 18 | 27 | 37 | 52 | 70 | 97 | 135 | 215 | 275 | 415 | 580 | 800 | 1030 | 1485 |
| 25 | 1500 | 60 | 32 | 46 | 63 | 96 | 115 | 157 | 240 | 365 | 470 | 705 | 1020 | 1405 | 1865 | |
| | 1000 | 40 | 22 | 31 | 43 | 66 | 80 | 108 | 163 | 250 | 315 | 465 | 705 | 975 | 1325 | 1905 |
| | 750 | 30 | 16 | 24 | 33 | 51 | 60 | 84 | 122 | 195 | 240 | 350 | 540 | 750 | 1030 | 1485 |
| 28 | 1500 | 54 | 29 | 42 | 59 | 86 | 113 | 142 | 220 | 325 | 425 | 625 | 945 | 1260 | 1800 | |
| | 1000 | 36 | 20 | 29 | 41 | 60 | 75 | 98 | 148 | 215 | 280 | 420 | 650 | 870 | 1245 | 1760 |
| | 750 | 27 | 15 | 22 | 31 | 46 | 56 | 76 | 114 | 160 | 210 | 310 | 500 | 670 | 960 | 1355 |
| 31.5 | 1500 | 48 | 26 | 37 | 51 | 79 | 95 | 127 | 197 | 290 | 395 | 560 | 840 | 1140 | 1600 | |
| | 1000 | 32 | 17 | 26 | 35 | 55 | 63 | 86 | 132 | 195 | 270 | 370 | 585 | 790 | 1110 | 1565 |
| | 750 | 24 | 14 | 20 | 27 | 42 | 49 | 65 | 100 | 145 | 200 | 280 | 450 | 605 | 855 | 1200 |
| 35.5 | 1500 | 42 | 23 | 34 | 47 | 70 | 88 | 117 | 178 | 275 | 350 | 510 | 755 | 1025 | 1450 | |
| | 1000 | 28 | 15 | 23 | 32 | 48 | 59 | 80 | 118 | 180 | 235 | 340 | 520 | 710 | 1000 | 1410 |
| | 750 | 21 | 12 | 18 | 25 | 37 | 44 | 61 | 90 | 140 | 175 | 255 | 405 | 545 | 750 | 1090 |
| 40 | 1500 | 38 | 21 | 30 | 42 | 64 | 79 | 107 | 158 | 235 | 325 | 465 | 675 | 930 | 1300 | |
| | 1000 | 25 | 17 | 21 | 29 | 40 | 53 | 71 | 108 | 160 | 210 | 315 | 465 | 640 | 900 | 1315 |
| | 750 | 19 | 11 | 16 | 22 | 31 | 41 | 55 | 80 | 125 | 155 | 235 | 360 | 465 | 680 | 1015 |
| 45 | 1500 | 33 | 17 | 24 | 34 | 46 | 70 | 96 | 142 | 215 | 280 | 410 | 615 | 850 | 1130 | |
| | 1000 | 22 | 12 | 16 | 24 | 32 | 47 | 64 | 95 | 145 | 185 | 280 | 425 | 590 | 770 | 1150 |
| | 750 | 17 | 9 | 12 | 18 | 25 | 36 | 50 | 74 | 110 | 140 | 210 | 320 | 450 | 600 | 885 |
| 50 | 1500 | 30 | 15 | 22 | 32 | 46 | 63 | 85 | 128 | 195 | 245 | 360 | 540 | 750 | 1030 | 1490 |
| | 1000 | 20 | 11 | 15 | 22 | 31 | 43 | 59 | 85 | 130 | 165 | 240 | 370 | 520 | 710 | 1030 |
| | 750 | 15 | 8 | 12 | 17 | 24 | 32 | 43 | 65 | 95 | 125 | 180 | 290 | 400 | 550 | 795 |
| 56 | 1500 | 27 | 15 | 21 | 31 | 43 | 56 | 76 | 112 | 170 | 220 | 310 | 480 | 675 | 955 | 1340 |
| | 1000 | 18 | 10 | 15 | 22 | 30 | 38 | 52 | 77 | 115 | 145 | 210 | 330 | 470 | 660 | 930 |
| | 750 | 13.4 | 8 | 11 | 17 | 23 | 28 | 40 | 58 | 90 | 110 | 160 | 255 | 360 | 510 | 715 |
| 63 | 1500 | 24 | 12 | 17 | 23 | 37 | 45 | 61 | 102 | 145 | 195 | 280 | 425 | 605 | 860 | 1170 |
| | 1000 | 16 | 8 | 12 | 16 | 25 | 30 | 42 | 70 | 100 | 130 | 190 | 290 | 420 | 600 | 810 |
| | 750 | 12 | 6 | 9 | 12 | 20 | 23 | 32 | 52 | 75 | 100 | 140 | 225 | 325 | 460 | 620 |
| 71 | 1500 | 21 | 11 | 17 | 23 | 33 | 40 | 56 | 90 | 130 | 185 | 245 | 390 | 540 | 770 | 1045 |
| | 1000 | 14 | 8 | 11 | 15 | 23 | 27 | 38 | 60 | 90 | 115 | 170 | 270 | 370 | 540 | 725 |
| | 750 | 10.6 | 6 | 9 | 12 | 18 | 21 | 29 | 45 | 65 | 90 | 125 | 210 | 285 | 410 | 555 |
| 80 | 1500 | 18.8 | 9 | 13 | 18 | 26 | 36 | 51 | 80 | 115 | 155 | 225 | 340 | 470 | 675 | 960 |
| | 1000 | 12.5 | 6 | 9 | 12 | 18 | 24 | 34 | 54 | 80 | 100 | 150 | 240 | 330 | 470 | 665 |
| | 750 | 9.4 | 4 | 7 | 10 | 14 | 19 | 27 | 42 | 60 | 80 | 110 | 185 | 250 | 360 | 510 |
| 90 | 1500 | 16.7 | 8 | 12 | 18 | 25 | 33 | 46 | 74 | 105 | 140 | 200 | 305 | 395 | 590 | 765 |
| | 1000 | 11.1 | 6 | 8 | 12 | 17 | 22 | 30 | 49 | 70 | 95 | 130 | 200 | 278 | 405 | 530 |
| | 750 | 8.3 | 4 | 6 | 9 | 13 | 17 | 23 | 37 | 55 | 70 | 100 | 160 | 210 | 300 | 405 |
| 100 | 1500 | 15 | 8 | 11 | 16 | 24 | 30 | 43 | 60 | | | | | | | |
| | 1000 | 10 | 5 | 7 | 11 | 16 | 21 | 29 | 40 | | | | | | | |
| | 750 | 7.5 | 4 | 6 | 8 | 13 | 16 | 22 | 30 | | | | | | | |

*) $P_1$ 为计算功率或台架试验功率。配套电机时必须考虑工况系数 $K_A$ 和安全系数 $S_A$，见后页

**) $n_1$ 为减速机输入轴转速

表 8 ZFY 减速机公称输入功率 $P_1$

| 公称传动比 i | 公称转速 (r/min) | | 规格 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输入 n1 | 输出 n2 | 180 | 200 | 225 | 250 | 280 | 320 | 360 | 400 | 450 | 500 | 560 | 630 | 710 | 800 |
| | | | 公称输入功率 $P_1$ *) (kW) | | | | | | | | | | | | | |
| 100 | 1500 | 15 | - | - | - | - | - | - | 99 | 130 | 190 | 290 | 400 | 540 | 780 | 1100 |
| | 1000 | 10 | - | - | - | - | - | - | 66 | 87 | 125 | 195 | 265 | 360 | 520 | 750 |
| | 750 | 7.5 | - | - | - | - | - | - | 50 | 65 | 95 | 145 | 205 | 270 | 400 | 560 |
| 112 | 1500 | 13.4 | 9.2 | 15 | 21 | 29 | 40 | 59 | 88 | 115 | 170 | 255 | 360 | 480 | 690 | 990 |
| | 1000 | 8.9 | 6.1 | 10 | 14 | 20 | 27 | 40 | 59 | 78 | 115 | 170 | 240 | 320 | 470 | 670 |
| | 750 | 6.7 | 4.6 | 7.5 | 11 | 15 | 20 | 29 | 44 | 59 | 85 | 130 | 185 | 245 | 355 | 510 |
| 125 | 1500 | 12 | 9.2 | 12 | 18.5 | 26 | 36 | 52 | 81 | 105 | 150 | 230 | 320 | 430 | 610 | 890 |
| | 1000 | 8 | 6.1 | 8 | 12.5 | 17.5 | 24 | 35 | 54 | 70 | 100 | 155 | 215 | 285 | 410 | 590 |
| | 750 | 6 | 4.6 | 6 | 9.3 | 13 | 18 | 26.5 | 41 | 53 | 75 | 115 | 165 | 215 | 310 | 440 |
| 140 | 1500 | 10.7 | 8.4 | 11 | 16.5 | 23 | 32 | 46 | 72 | 92 | 135 | 205 | 290 | 380 | 550 | 800 |
| | 1000 | 7.1 | 5.6 | 7.3 | 11 | 16 | 21.5 | 31 | 48 | 61 | 90 | 135 | 195 | 255 | 370 | 530 |
| | 750 | 5.4 | 4.2 | 5.5 | 8.3 | 12 | 16 | 23 | 36 | 46 | 68 | 105 | 145 | 190 | 288 | 400 |
| 160 | 1500 | 9.4 | 7.5 | 9.6 | 14.5 | 20 | 28 | 41 | 64 | 81 | 120 | 180 | 255 | 340 | 490 | 710 |
| | 1000 | 6.3 | 5 | 6.4 | 9.7 | 14 | 18.5 | 27.5 | 43 | 54 | 80 | 120 | 170 | 225 | 330 | 470 |
| | 750 | 4.7 | 3.8 | 4.8 | 7.6 | 10 | 14 | 21 | 32 | 41 | 60 | 92 | 130 | 170 | 250 | 360 |
| 180 | 1500 | 8.3 | 6.6 | 8.4 | 13 | 19 | 25 | 37 | 57 | 70 | 105 | 160 | 225 | 300 | 440 | 630 |
| | 1000 | 5.6 | 4.4 | 5.6 | 8.7 | 12.5 | 17 | 25 | 38 | 47 | 70 | 105 | 150 | 200 | 295 | 420 |
| | 750 | 4.2 | 3.3 | 4.2 | 6.5 | 9.5 | 13 | 18.5 | 29 | 35 | 53 | 82 | 115 | 155 | 220 | 320 |
| 200 | 1500 | 7.5 | 5.6 | 7.5 | 12 | 15.5 | 22 | 33 | 51 | 64 | 95 | 145 | 205 | 270 | 390 | 560 |
| | 1000 | 5 | 3.7 | 5 | 8 | 10.5 | 14.5 | 22 | 34 | 43 | 63 | 97 | 135 | 180 | 260 | 370 |
| | 750 | 3.8 | 2.8 | 3.8 | 6 | 8 | 11.5 | 17 | 26 | 32 | 48 | 73 | 105 | 135 | 200 | 280 |
| 224 | 1500 | 6.7 | 4.8 | 6.7 | 10.5 | 14 | 20 | 29 | 45 | 57 | 83 | 130 | 185 | 240 | 360 | 510 |
| | 1000 | 4.5 | 3.2 | 4.5 | 7 | 9.3 | 13.5 | 20 | 30 | 38 | 55 | 87 | 125 | 160 | 240 | 340 |
| | 750 | 3.3 | 2.4 | 3.4 | 5.3 | 7 | 10.5 | 15 | 23 | 28.5 | 42 | 66 | 94 | 120 | 180 | 255 |
| 250 | 1500 | 6 | 4.5 | 6.1 | 9.5 | 12.5 | 17.5 | 26 | 41 | 51 | 73 | 115 | 165 | 215 | 320 | 450 |
| | 1000 | 4 | 3 | 4.1 | 6.3 | 8.5 | 12 | 17.5 | 27.5 | 34 | 49 | 77 | 110 | 145 | 215 | 300 |
| | 750 | 3 | 2.3 | 3.1 | 4.8 | 6.5 | 9 | 13 | 20.5 | 25.5 | 37 | 58 | 83 | 110 | 160 | 225 |
| 280 | 1500 | 5.4 | 3.9 | 5.3 | 8.2 | 11 | 15.5 | 23 | 37 | 46 | 66 | 100 | 145 | 195 | 280 | 400 |
| | 1000 | 3.6 | 2.6 | 3.5 | 5.6 | 7.5 | 10.5 | 15.5 | 24.5 | 31 | 44 | 67 | 97 | 130 | 185 | 265 |
| | 750 | 2.7 | 2 | 2.7 | 4.2 | 5.6 | 8 | 12 | 19 | 23 | 34 | 51 | 73 | 96 | 140 | 200 |
| 315 | 1500 | 4.8 | 3.5 | 4.7 | 7.5 | 9.5 | 13.5 | 21 | 32 | 42 | 59 | 92 | 130 | 175 | 250 | 360 |
| | 1000 | 3.2 | 2.3 | 3.1 | 5.1 | 6.5 | 9 | 14 | 21.5 | 28 | 39 | 61 | 87 | 115 | 165 | 240 |
| | 750 | 2.4 | 1.8 | 2.4 | 3.8 | 5 | 7 | 10.5 | 16.5 | 21 | 30 | 47 | 66 | 88 | 125 | 180 |
| 355 | 1500 | 4.2 | 2.9 | 4 | 6.5 | 8.5 | 12 | 18 | 29 | 37 | 52 | 83 | 115 | 155 | 225 | 320 |
| | 1000 | 2.8 | 1.9 | 2.7 | 4.5 | 6 | 8.5 | 12 | 19.5 | 24.5 | 35 | 55 | 77 | 105 | 150 | 215 |
| | 750 | 2.1 | 1.5 | 2 | 3.3 | 4.5 | 6.5 | 9.5 | 14.5 | 18.5 | 26.5 | 42 | 59 | 78 | 115 | 160 |
| 400 | 1500 | 3.8 | 2.6 | 3.6 | 6 | 8 | 11 | 16.5 | 26 | 33 | 46 | 72 | 100 | 135 | 195 | 270 |
| | 1000 | 2.5 | 1.7 | 2.4 | 4 | 5.3 | 7.5 | 11 | 17.5 | 22 | 31 | 48 | 68 | 90 | 130 | 180 |
| | 750 | 1.9 | 1.3 | 1.8 | 3 | 4 | 6.5 | 8.3 | 13.5 | 16.5 | 23.5 | 37 | 52 | 68 | 99 | 135 |
| 450 | 1500 | 3.3 | 2.3 | 3.2 | 5 | 7 | 10 | 13.5 | 21.5 | 29 | 40 | 65 | 93 | 125 | 175 | 250 |
| | 1000 | 2.2 | 1.5 | 2.1 | 3.5 | 4.7 | 6.6 | 9 | 14.5 | 19.5 | 26.5 | 44 | 62 | 83 | 115 | 170 |
| | 750 | 1.7 | 1.2 | 1.6 | 2.6 | 3.5 | 5.1 | 6.8 | 11 | 14.5 | 20 | 33 | 47 | 63 | 89 | 125 |
| 500 | 1500 | 3 | 2.1 | 2.9 | 4.2 | 6 | 9.1 | 12 | 19.5 | 26 | 36 | 59 | 82 | 110 | 155 | 225 |
| | 1000 | 2 | 1.4 | 1.9 | 2.8 | 4 | 6.1 | 8 | 13 | 17.5 | 24 | 39 | 55 | 73 | 105 | 150 |
| | 750 | 1.5 | 1.1 | 1.5 | 2.1 | 3 | 4.6 | 6 | 9.6 | 13 | 18 | 30 | 42 | 55 | 79 | 115 |

*) $P_1$ 为计算功率或台架试验功率。配套电机时必须考虑工况系数 $K_A$ 和安全系数 $S_A$，见后页

**) $n_1$ 为减速机输入轴转速

## 5.2 减速机热功率

表 9 ZDY 减速机热功率 $P_{G1}$、$P_{G2}$

| 散热冷却条件 | | | 规格 | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 没有冷却措施 | 环境条件 | 环境气流速度 w (m/s) | 80 | 100 | 125 | 160 | 200 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 |
| | | | $P_{G1}$ (kW) | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | 13 | 20 | 31 | 48 | 77 | 115 | 145 | 182 | 228 | 286 | 365 | 440 | 542 |
| | 较大的房间，车间 | ≥1.4 | 18 | 29 | 43 | 68 | 110 | 160 | 210 | 270 | 320 | 415 | 515 | 620 | 770 |
| | 在户外露天 | ≥3.7 | 24 | 38 | 58 | 92 | 145 | 220 | 275 | 360 | 425 | 550 | 690 | 840 | 1020 |
| 盘管冷却 | 环境条件 | 水管直径 d (mm) | 8 | 8 | 8 | 15 | 15 | 15 | 15 | 15 | 20 | 20 | 20 | 20 | 20 |
| | | 环境气流速度 w (m/s) | $P_{G2}$ (kW) | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | - | - | - | 73 | 108 | 156 | 192 | 235 | 307 | 376 | 463 | 540 | 660 |
| | 较大的房间，车间 | ≥1.4 | - | - | - | 93 | 141 | 201 | 257 | 323 | 400 | 505 | 613 | 730 | 890 |
| | 在户外露天 | ≥3.7 | - | - | - | 117 | 176 | 261 | 322 | 413 | 504 | 590 | 788 | 950 | 1140 |

注：当采用循环油润滑时，请与我们联系

表 10 ZLY 减速机热功率 $P_{G1}$、$P_{G2}$

| 散热冷却条件 | | | 规格 | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 没有冷却措施 | 环境条件 | 环境气流速度 w (m/s) | 112 | 125 | 140 | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 | 710 |
| | | | $P_{G1}$ (kW) | | | | | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | 16 | 20 | 24 | 30 | 38 | 48 | 60 | 74 | 92 | 115 | 145 | 181 | 226 | 276 | 345 | 430 | 540 |
| | 较大的房间，车间 | ≥1.4 | 20 | 28 | 35 | 43 | 54 | 67 | 87 | 105 | 130 | 165 | 210 | 255 | 320 | 405 | 485 | 620 | 760 |
| | 在户外露天 | ≥3.7 | 30 | 38 | 47 | 57 | 73 | 88 | 115 | 140 | 175 | 220 | 275 | 345 | 420 | 530 | 650 | 810 | 1000 |
| 盘管冷却 | 环境条件 | 水管直径 d (mm) | 8 | 8 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | | 环境气流速度 w (m/s) | $P_{G2}$ (kW) | | | | | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | - | - | - | 45 | 56 | 68 | 83 | 99 | 120 | 148 | 196 | 237 | 291 | 347 | 423 | 520 | 640 |
| | 较大的房间，车间 | ≥1.4 | - | - | - | 58 | 72 | 87 | 110 | 130 | 158 | 198 | 251 | 311 | 385 | 476 | 563 | 710 | 860 |
| | 在户外露天 | ≥3.7 | - | - | - | 72 | 91 | 108 | 148 | 165 | 203 | 253 | 326 | 400 | 485 | 600 | 730 | 900 | 1100 |

注：当采用循环油润滑时，请与我们联系

表 11 ZSY 减速机热功率 $P_{G1}$、$P_{G2}$

| 散热冷却条件 | | | 规格 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 没有冷却措施 | 环境条件 | 环境气流速度 w (m/s) | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 | 710 |
| | | | $P_{G1}$ (kW) | | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | 24 | 30 | 37 | 45 | 56 | 69 | 86 | 110 | 135 | 165 | 208 | 258 | 322 | 400 |
| | 较大的房间，车间 | ≥1.4 | 34 | 42 | 52 | 64 | 80 | 98 | 116 | 155 | 190 | 235 | 300 | 365 | 450 | 570 |
| | 在户外露天 | ≥3.7 | 46 | 57 | 69 | 87 | 108 | 132 | 162 | 205 | 250 | 310 | 400 | 475 | 600 | 760 |
| 盘管冷却 | 环境条件 | 水管直径 d (mm) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | | 环境气流速度 w (m/s) | $P_{G2}$ (kW) | | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | 34 | 42 | 50 | 60 | 73 | 88 | 98 | 144 | 172 | 208 | 255 | 310 | 380 | 470 |
| | 较大的房间，车间 | ≥1.4 | 44 | 54 | 65 | 79 | 97 | 117 | 138 | 189 | 227 | 278 | 347 | 417 | 510 | 640 |
| | 在户外露天 | ≥3.7 | 56 | 69 | 82 | 102 | 125 | 151 | 184 | 239 | 287 | 353 | 447 | 529 | 660 | 830 |

注：当采用循环油润滑时，请与我们联系

表 12 ZFY 减速机热功率 $P_{G1}$、$P_{G2}$

| 散热冷却条件 | | | 规格 | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 没有冷却措施 | 环境条件 | 环境气流速度 w (m/s) | 160 | 180 | 200 | 224 | 250 | 280 | 320 | 360 | 400 | 450 | 500 | 560 | 630 | 710 |
| | | | $P_{G1}$ (kW) | | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | 22 | 27 | 33 | 42 | 52 | 64 | 80 | 100 | 124 | 157 | 190 | 235 | 298 | 370 |
| | 较大的房间，车间 | ≥1.4 | 30 | 38 | 48 | 60 | 74 | 90 | 113 | 140 | 170 | 218 | 270 | 340 | 425 | 535 |
| | 在户外露天 | ≥3.7 | 42 | 50 | 64 | 80 | 100 | 117 | 157 | 188 | 230 | 295 | 358 | 450 | 566 | 705 |
| 盘管冷却 | 环境条件 | 水管直径 d (mm) | 15 | 15 | 15 | 15 | 15 | 15 | 15 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |
| | | 环境气流速度 w (m/s) | $P_{G2}$ (kW) | | | | | | | | | | | | | |
| | 空间小，厂房小 | ≥0.5 | 34 | 42 | 50 | 60 | 73 | 88 | 98 | 144 | 172 | 208 | 255 | 310 | 380 | 470 |
| | 较大的房间，车间 | ≥1.4 | 44 | 54 | 65 | 79 | 97 | 117 | 138 | 189 | 227 | 278 | 347 | 417 | 510 | 640 |
| | 在户外露天 | ≥3.7 | 56 | 69 | 82 | 102 | 125 | 151 | 184 | 239 | 287 | 353 | 447 | 529 | 660 | 830 |

注：当采用循环油润滑时，请与我们联系

注：表 9 至表 12 中热功率数值按最高温$\theta_{ymax}$=95℃、环境温度$\theta_0$=20℃计算得到，若希望得到小于$\theta_{ymax}$的温度。请参阅附录 F。

## 6 减速机的润滑

a) **减速机齿轮的润滑**

减速机齿轮的润滑，冷却一般采用油池润滑，自然冷却。

当减速机承载功率高于热功率$P_{G1}$时，可采用循环油润滑，或采用油池润滑加盘状管冷却。对采用循环油润滑的减速机在停歇时间超过 24h 且满载起动时，应在起动前给润滑油。

润滑油的牌号（粘度），按高速级齿轮圆周速度 v 或润滑方法选择：

当 v＜2.5m/s，或当环境温度在 35~50℃之间时，选用重负荷极压齿轮油 L-CKD320（或 VG320，Mobi1632）；

当 v＞2.5m/s，或采用循环润滑时，选用重负荷极压齿轮油 L-CKD220（或 VG220，Mobi1630）。



b) **轴承的润滑**

采用飞溅油润滑，轴承的润滑油品与齿轮润滑油品相同。

c) **大规格减速机（末级中心距 a≥400）**

减速机推荐采用强制润滑，详见附录 D

轴承采用飞溅油润滑，轴承的润滑油品与齿轮润滑油品相同。

## 7 安装、使用与维护

a) **安装**

减速机的输入轴轴线和输出轴轴线，与联接部分的轴线保持同轴，其误差不得大于所用联轴器的允许值。对采用三角带输入动力时，三角带轮应通过金切加工减少不平衡质量。采用高强度窄形带传动为佳，这样可以降低振动噪声和提高轴承寿命。

b) **使用**

安装好后，箱体油池内必须注入润滑油，油面应至油标中心线。

在减速机正式使用前，用手转动高速轴，必须灵活，无卡阻现象，然后进行空载运转，时间不得少于 2 小时，运转应平稳，无冲击、振动、杂声及漏油等现象，发现故障应即时排除。

c) **维护**

首次注入的润滑油，须在运转 300~600 小时后更换。使用过程中应定期检查油质量，对于混入杂质或老化变质的油，必须随时更换，同时经常检查油面高度，油面高度低于最低油面高度时（油标中心线），需要及时补足。首次换油后，对长期连续工作的减速机，必须 3000 小时换油一次，对于每天工作时间不超过 8 小时的减速机，最长换油时间不应超过 18 个月。

在工作中发现油温显著升高，温升超过 70℃或油温超过 100℃时，油的质量下降，以及产生不正常的噪音等现象，应停止使用，检查原因，如因齿面胶合等原因所致，必须修复排除故障，更换润滑油后再使用。

## 8 减速机的选用

本标准减速机的承载能力受机械强度和热平衡许用功率两方面的限制。因此，减速机的选用必须通过机械功率与热功率校核，并校核输入、输出轴伸的附加径向载荷。

选用减速机的实际输入转速与承载能力表中的公称输入转速相对误差不超过 4%时，可直接选取该档转速下的公称输入功率用于校核计算；当实际输入转速相对误差超过 4%时，则应按实际输入转速/公称输入转速对公称输入功率折算后再用于校核计算。

## 8.1 机械功率校核计算

**1） 确定减速机的传动比按式（1）：**

$$i = \frac{n_1}{n_2} \quad \text{.....(1)}$$

式中： $n_1$——输入转速，r/min；

$n_2$——输出转速，r/min 。

**2） 确定减速机的参数**

选型计算：确定减速机的规格按式（2）：

$$P_1 \geq P_2 \cdot K_A \cdot S_A \quad \text{.....(2)}$$

式中： $P_1$——减速机公称输入功率，按表 5 至表 8，kW；

$P_2$——减速机所联接的工作机械所需用功率，kW；

$K_A$——工作机械工况系数，表 13；

$S_A$——减速机安全系数，表 14 。

验算起动转矩按式（3）：

$$\frac{T_K \cdot n_1}{P_1 \cdot 9550} \leq 2.5 \quad \text{.....(3)}$$

式中： $T_K$——启动转矩或最大输入转矩，Nm

表 13 工况系数$K_A$

| 原动机 | 每日工作时间 (h) | $K_A$ | | |
|---|---|---|---|---|
| | | 轻微冲击(均匀)载荷 (U) | 中等冲击载荷 (M) | 强冲击载荷 (H) |
| 电动机<br>汽轮机<br>水力机 | -3 | 0.8 | 1 | 1.5 |
| | >3-10 | 1 | 1.25 | 1.75 |
| | >10 | 1.25 | 1.5 | 2 |
| 4-6 缸的活塞发动机 | -3 | 1 | 1.25 | 1.75 |
| | >3-10 | 1.25 | 1.5 | 2.25 |
| | >10 | 1.5 | 1.75 | 2.5 |
| 1-3 缸的活塞发动机 | -3 | 1.25 | 1.5 | 2 |
| | >3-10 | 1.5 | 1.75 | 2.25 |
| | >10 | 1.75 | 2 | 2.5 |

注：表中载荷分类是工作机的载荷性质，详见附录 A。

表 14 安全系数$S_A$

| 因减速机失效所造成的后果 | 一般损失 | 严重损失 | 重大损失 |
|---|---|---|---|
| | 单台主机停产，主要设备不能运行等 | 整条生产线停产，设备损坏等 | 人身伤亡，电厂停电，钢包停浇，起吊装置失灵 |
| 安全系数 $S_A$ | 1.1-1.3 | 1.3-1.5 | 1.5-1.7 |

## 8.2 热功率校核计算

当减速机不附加外冷却装置时按式（4）进行校核：

$$P_2 \cdot f_1 \cdot f_2 \cdot f_3 \leq P_{G1} \quad (4)$$

如果，$P_2 \cdot f_1 \cdot f_2 \cdot f_3 > P_{G1}$ 时，则必须重新选用增大一级中心距的减速机或提供冷却盘管进行冷却。

当减速机附加冷却盘管冷却时按式（5）进行校核：

$$P_2 \cdot f_1 \cdot f_2 \cdot f_3 \leq P_{G2} \quad (5)$$

式中：　$P_{G1}$；$P_{G2}$——减速机热功率，表 9 至表 12，kW；

$f_1$——环境温度系数，表 15；

$f_2$——负荷系数，表 16；

$f_3$——公称功率利用系数，表 17 。



表 15　　环境温度系数$f_1$

| $f_1$ | 环境温度 t (℃) | | | | |
|---|---|---|---|---|---|
| 冷却条件 | 10 | 20 | 30 | 40 | 50 |
| 无冷却 | 0.9 | 1 | 1.15 | 1.35 | 1.65 |
| 冷却管冷却 | 0.9 | 1 | 1.1 | 1.2 | 1.3 |

表 16　　负荷率系数$f_2$

| 小时负荷率 | 100% | 80% | 60% | 40% | 20% |
|---|---|---|---|---|---|
| 负荷率系数 $f_2$ | 1 | 0.94 | 0.86 | 0.74 | 0.56 |

表 17　　公称功率利用系数$f_3$

| $P_2/P_1$*100% | 40% | 50% | 60% | 70% | 80%-100% |
|---|---|---|---|---|---|
| $f_3$ | 1.25 | 1.15 | 1.1 | 1.05 | 1 |

注：$P_1$-公称功率

$P_2$-负载功率

## 8.3 选用示例

按以下要求选用第一种装配形式的减速机：

工作机械 带式传送机，输送大物件物品，电动机驱动；

负载功率 $P_2$=380kW；

输入转速 $n_1$=1200r/min；

传动比　 i=4.5；

轴伸承受纯转矩；每天工作 24h；每小时运转率 100%；

最高环境温度 t=38℃，厂房较大，自然通风冷却，油池润滑。

**1) 确定减速机型式**

根据传动比 i=4.5，选择 ZDY 单级减速机

**2) 确定减速机规格**

按附录 A 查得，带式传送机负荷为中等冲击，减速机失效会引起生产线停产。查表 13、表 14 得：

$K_A$=1.5，$S_A$=1.5，按式（2）计算：

$$P_1 \geq P_2 \times K_A \times S_A = 380 \times 1.5 \times 1.5 = 855kW$$

按 i=4.5 及$n_1$=1200 接近公称输入转速 1000r/min，查表 5 选用：

ZDY355，i=4.5，$n_1$=1000r/min，$P_1$=953KW。

当$n_1$=1200 r/min，折算公称功率：$P_1 = 953 \times 1200/1000 = 1143.6kW$

$P_1 = 1143.6kW \geq 855kW$，可以选用 ZDY355 减速机

**3) 验算起动转矩**

略

**4) 校核热功率**

按式（4）（5）校核热功率：

查表 15 得 $f_1 = 1.31$

查表 16 得 $f_2 = 1$（每日 24h 连续工作）

查表 17 得 $f_3 = 1.25$（$P_2/P_1$ =380/1143.6=33%≤40%）

计算得：$P_2 \cdot f_1 \cdot f_2 \cdot f_3 = 380 \times 1.31 \times 1 \times 1.25 = 622.3kW$

查表 9：ZDY355，$P_{G1} = 320KW$，$P_{G2} = 400KW$，热功率校核不通过，因此可以选定：

ZDY355-4.5-Ⅰ减速机，须采用强制润滑和冷却器冷却。

如果不采用强制润滑和冷却器冷却，则需另选较大规格的减速机，按以上程序重新计算。

**5) 减速机许用瞬时尖峰载荷**

减速机许用瞬时尖峰载荷$P_{2max} \leq 1.8P_1$，此例未给出运转中的瞬时尖峰载荷，故不校核。

## 8.4 轴伸许用的附加径向载荷

减速机在采用带轮、链轮、齿轮的方式输入、输出扭矩时，必须校核径向载荷的位置和大小，轴伸中间部位的许用径向载荷按下表计算。

表 18 轴伸中间部位允许的最大附加径向载荷

| 减速机级数 | 输入轴 | 输出轴 |
|---|---|---|
| 单级 | ≤ $125\sqrt{T_1}$ | ≤$125\sqrt{T_2}$ |
| 二、三级 | ≤ $125\sqrt{T_1}$ | ≤$250\sqrt{T_2}$ |

注：（1）$T_1$：许用输入扭矩 N·m，数值见附录 C

$T_2$：许用输出扭矩 N·m，数值见附录 C

（2）如超出表列数值时，请在订货时与我厂技术部门联系。

## 8.5 冷却盘管连接尺寸

减速机可附加盘管冷却或附加独立循环冷却装置的强制润滑系统，强制润滑系统按用户实际工况，另行设计。

盘管冷却的连接尺寸见下图表。

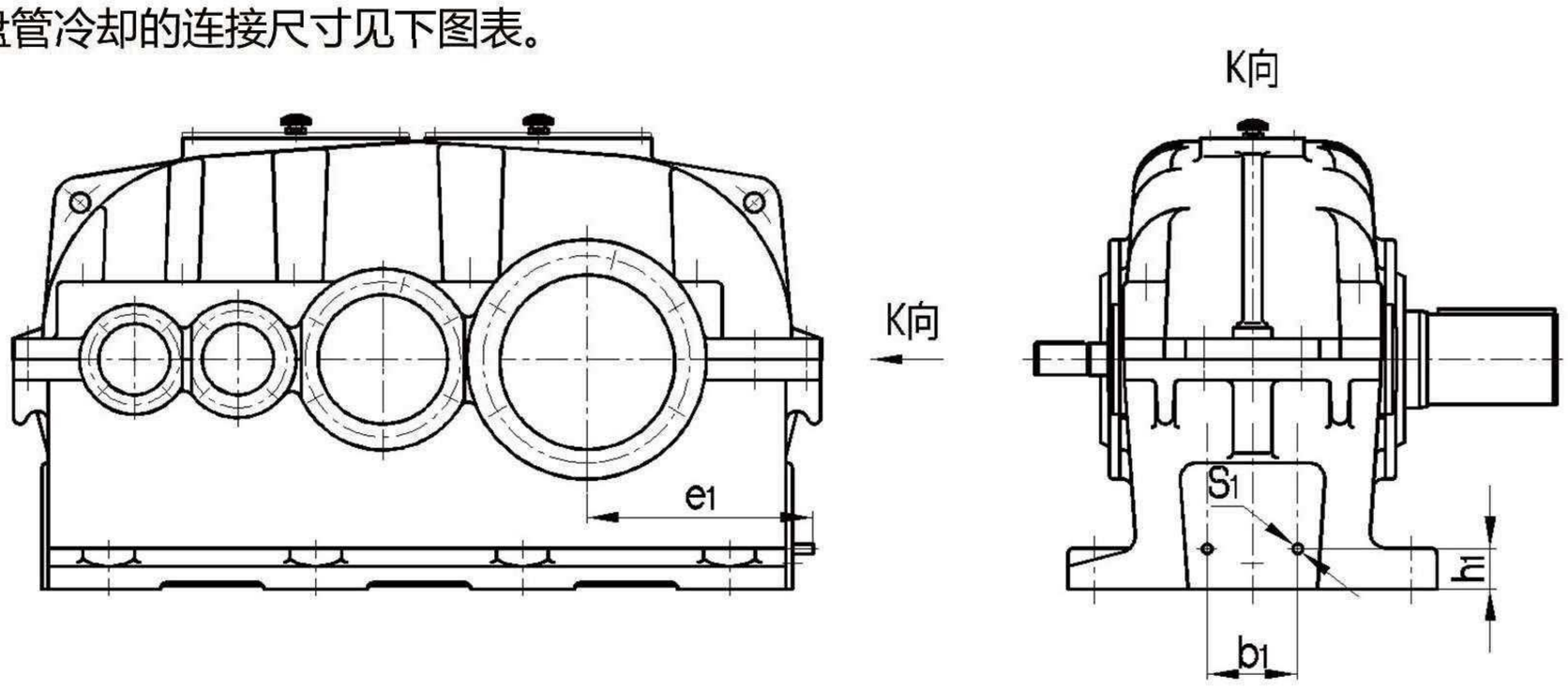



表 19 盘管冷却的连接尺寸

| 冷却环管尺寸(mm) | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| ZDY | S1 | e1 | h1 | b1 | ZLY、ZSY | s1 | e1 | h1 | b1 |
| 160 | ZG1/2" | 199 | 40 | 60 | 160 | ZG1/2" | 197 | 46 | 85 |
| 200 | | 237 | 45 | 70 | 180 | | 217 | 48 | 85 |
| 250 | | 287 | 60 | 90 | 200 | | 240 | 45 | 85 |
| 280 | | 320 | 60 | 110 | 224 | | 265 | 54 | 110 |
| 315 | | 350 | 62 | 110 | 250 | | 287 | 60 | 110 |
| 355 | ZG3/4" | 392 | 72 | 130 | 280 | | 317 | 60 | 140 |
| 400 | | 435 | 80 | 150 | 315 | | 350 | 62 | 140 |
| 450 | | 475 | 82 | 170 | 355 | ZG3/4" | 392 | 72 | 150 |
| 500 | | 538 | 84 | 180 | 400 | | 425 | 80 | 200 |
| 560 | | 595 | 84 | 210 | 450 | | 283 | 82 | 260 |
| | | | | | 500 | | 525 | 84 | 260 |
| | | | | | 560 | | 575 | 84 | 260 |
| | | | | | 630 | | 598 | 84 | 260 |
| | | | | | 710 | | 615 | 84 | 260 |

注：（1）进出水管口可任意选择

（2）冷却水流速 0.5-0.8m/s。

# 附录 A 工作机械载荷分类

附表 A1 载荷分类

| 设备名称 | 载荷分类 | 设备名称 | 载荷分类 |
|---|---|---|---|
| 风机类 | | 起重机类 | |
| 风机(轴向和径向) | U | 转臂式起重传动齿轮装置 | M |
| 冷却塔风扇 | M | 卷扬机齿轮传动装置 | U |
| 引风机 | M | 吊杆起落齿轮传动装置 | U |
| 螺旋活塞式风机 | M | 转向齿轮传动装置 | M |
| 涡轮式风机 | U | 行走齿轮传动装置 | H |
| 建筑机械类 | | 挖泥机类 | |
| 混凝土搅拌机 | M | 筒式传送机 | H |
| 卷扬机 | M | 筒式转向轮 | H |
| 路面建筑机械 | M | 挖泥头 | H |
| 化工类 | | 机动铰车 | M |
| 搅拌机(液体) | U | 泵 | M |
| 搅拌机(半液体) | M | 转向齿轮传动装置 | M |
| 离心体(重型) | M | 行走齿轮传动装置(履带) | H |
| 离心体(轻型) | U | 行走齿轮传动装置(铁轨) | M |
| 冷却滚筒* | M | 食品工业机械类 | |
| 干燥滚筒* | M | 灌注及装箱机器 | U |
| 搅拌机 | M | 甘蔗压榨机* | M |
| 压缩机类 | | 甘蔗切断机* | M |
| 活塞式压缩机 | H | 甘蔗粉碎机 | H |
| 涡轮式压缩机 | M | 搅拌机 | M |
| 传输运输机类 | | 酱状物吊桶 | M |
| 平板传送机 | M | 包装机 | U |
| 平衡块升降机 | M | 糖甜菜切断机 | M |
| 槽式传送机 | M | 糖菜清洗机 | M |
| 带式传送机(大件) | M | 发动机及转换器 | |
| 带式传送机(碎料) | H | 频率转换器 | H |
| 筒式面粉传送机 | U | 发动机 | H |
| 链式传送机 | M | 焊接发动机 | H |
| 环式传送机 | M | 洗衣机类 | |
| 货物升降机 | M | 滚筒 | M |
| 卷扬机* | H | 洗衣机 | M |
| 倾斜卷扬机* | H | 金属滚轧机类(1) | |
| 连杆式传送机 | M | 钢坯剪断机* | H |
| 载人升降机 | M | 链式输送机* | M |
| 螺旋式传送机 | M | 冷轧机* | H |
| 钢带式传送机 | M | 连铸成套设备* | H |
| 链式槽型传送机 | M | 冷床* | M |
| 铰车运输 | M | 剪料机床* | H |

续附表 A1　　载荷分类

| 设备名称 | 载荷分类 | 设备名称 | 载荷分类 |
|---|---|---|---|
| 交叉转弯输送机* | M | 吸水滚压机* | H |
| 除锈机* | H | 潮纸纸滚压机* | H |
| 重型和中型板轧机* | H | 威罗机 | H |
| 棒坯初轧机* | H | 泵类 | |
| 棒坯转运机械 | H | 离心泵(稀液体) | U |
| 棒坯堆料机* | H | 离心泵(半液体) | M |
| 推床* | H | 活塞泵 | H |
| 金属滚轧类(2) | | 柱塞泵* | H |
| 剪板机* | H | 压力泵* | H |
| 板材摆动升降台* | M | 塑料工业类 | |
| 轧辊调整装置* | M | 压光机* | M |
| 辊式校直机* | M | 挤压机* | M |
| 轧钢机辊道(重型) | H | 螺旋压出机* | M |
| 轧钢机辊道(轻型) | M | 混合机* | M |
| 薄板轧机* | H | 橡胶机械类 | |
| 修整剪切机* | M | 压光机* | M |
| 焊管机 | H | 挤压机* | H |
| 焊管机(带材和线材) | M | 混合搅拌机* | M |
| 线材拉拔机 | M | 捏和机* | H |
| 金属加工机床类 | | 滚压机* | H |
| 动力轴 | U | 石料、瓷土料加工机床类 | |
| 锻造机* | H | 球塞机* | H |
| 锻锤 | H | 挤压粉碎机* | H |
| 机床及辅助装置 | U | 破碎机* | H |
| 机床及主要传动装置 | M | 压砖机* | H |
| 金属刨床 | H | 锤粉碎机* | H |
| 板材矫直机床 | H | 转炉* | H |
| 冲床 | H | 筒形磨机* | H |
| 冲床机床 | H | 纺织机床类 | |
| 剪床 | M | 送料机 | M |
| 薄板弯曲机床 | M | 织布机 | M |
| 石油工业机械类 | | 印染机床 | M |
| 输油管油泵* | M | 精制桶 | M |
| 转子钻井设备 | H | 威罗机 | M |
| 制纸机类 | | 水处理类 | |
| 压光机* | H | 鼓风机* | M |
| 多层纸板机* | H | 螺杆泵 | M |
| 干燥滚筒* | H | 木材加工机床 | |
| 上光滚筒* | H | 剥皮机 | H |
| 搅浆机* | H | 刨床 | M |
| 纸浆擦碎机* | H | 锯床* | H |
| 吸水滚* | H | 木料加工机床 | U |

注：(1) U 为均匀载荷，M 为中等载荷，H 为强冲击载荷。

(2) 标“*”者表示仅用于 24h 工作制。

# 附录 B 减速机的实际传动比

附表 B1 ZDY 减速机的公称传动比 i 与实际传动比 $i_{ex}$

| 规格 | 公称传动比 i | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 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 |
| | 实际传动比 $i_{ex}$ | | | | | | | | | | | | | |
| 80 | 1.235 | 1.375 | 1.621 | 1.815 | 2.04 | 2.304 | 2.455 | 2.8 | 3.222 | 3.471 | 3.905 | 4.425 | 5.059 | 5.5 |
| 100 | 1.235 | 1.375 | 1.621 | 1.815 | 2.04 | 2.304 | 2.455 | 2.84 | 3.174 | 3.511 | 4.053 | 4.647 | 5.063 | 5.5 |
| 125 | 1.257 | 1.394 | 1.633 | 1.821 | 2.038 | 2.292 | 2.478 | 2.762 | 3.158 | 3.571 | 4.053 | 4.647 | 5.1 | 5.667 |
| 160 | 1.235 | 1.375 | 1.621 | 1.815 | 2.04 | 2.222 | 2.48 | 2.783 | 3.143 | 3.579 | 4.059 | 4.421 | 5.059 | 5.438 |
| 200 | 1.235 | 1.375 | 1.621 | 1.815 | 2.04 | 2.296 | 2.542 | 2.864 | 3.174 | 3.571 | 4.053 | 4.588 | 5.111 | 5.471 |
| 250 | 1.257 | 1.394 | 1.633 | 1.821 | 2.038 | 2.2 | 2.478 | 2.81 | 3.174 | 3.571 | 4.053 | 4.389 | 4.944 | 5.625 |
| 280 | - | - | 1.621 | 1.815 | 2.04 | 2.269 | 2.56 | 2.87 | 3.091 | 3.5 | 3.909 | 4.45 | 5.056 | 5.75 |
| 315 | - | - | 1.586 | 1.778 | 2.04 | 2.304 | 2.455 | 2.783 | 3.143 | 3.517 | 4.05 | 4.368 | 4.941 | 5.722 |
| 355 | - | - | 1.586 | 1.815 | 2.04 | 2.261 | 2.455 | 2.864 | 3.095 | 3.526 | 3.95 | 4.444 | 5.053 | 5.765 |
| 400 | - | - | - | - | 1.966 | 2.269 | 2.542 | 2.864 | 3.095 | 3.571 | 4.053 | 4.5 | 5.111 | 5.471 |
| 450 | - | - | - | - | 1.966 | 2.185 | 2.44 | 2.739 | 3.095 | 3.526 | 4.053 | 4.45 | 5.056 | 5.75 |
| 500 | - | - | - | - | 2.038 | 2.292 | 2.478 | 2.762 | 3.158 | 3.571 | 4.053 | 4.45 | 4.944 | 5.688 |
| 560 | - | - | - | - | 2.04 | 2.304 | 2.455 | 2.8 | 3.238 | 3.5 | 3.94 | 4.45 | 5.06 | 5.75 |

附表 B2 ZLY 减速机的公称传动比 i 与实际传动比 $i_{ex}$

| 规格 | 公称传动比 i | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6.3 | 7.1 | 8 | 9 | 10 | 11.2 | 12.5 | 14 | 16 | 18 | 20 |
| | 实际传动比 $i_{ex}$ | | | | | | | | | | |
| 112 | 6.312 | 7.133 | 8.126 | 8.656 | 9.874 | 11.363 | 12.238 | 13.769 | 15.849 | 17.944 | 19.453 |
| 125 | 6.313 | 7.218 | 8.163 | 8.714 | 9.783 | 11.054 | 12.594 | 14.496 | 16.449 | 18.333 | 20.69 |
| 140 | 6.612 | 7.462 | 8.065 | 8.591 | 9.94 | 11.109 | 12.5 | 14.184 | 16.026 | 18.377 | 20.02 |
| 160 | 6.155 | 7.009 | 7.971 | 9.171 | 10.5 | 11.279 | 12.745 | 14.52 | 16.713 | 18.118 | 20.817 |
| 180 | 6.455 | 7.227 | 8.125 | 8.787 | 9.792 | 11.196 | 12.662 | 14.368 | 16.008 | 18.237 | 20.912 |
| 200 | 6.475 | 7.286 | 8.201 | 9.143 | 10.248 | 11.565 | 12.5 | 14.123 | 16.026 | 18.144 | 20.418 |
| 224 | 6.31 | 7.194 | 7.836 | 8.745 | 9.812 | 11.083 | 12.62 | 14.52 | 15.59 | 17.839 | 20.502 |
| 250 | 6.475 | 7.286 | 7.804 | 8.714 | 9.783 | 11.31 | 12.662 | 14.107 | 16.071 | 18.233 | 20.69 |
| 280 | 6.305 | 7.14 | 7.975 | 8.871 | 9.936 | 11.194 | 12.407 | 13.961 | 15.842 | 17.936 | 19.98 |
| 315 | 6.177 | 7.034 | 7.96 | 8.85 | 9.88 | 11.093 | 12.535 | 14.282 | 16.413 | 18.023 | 20.475 |
| 355 | 6.31 | 7.188 | 8.052 | 8.69 | 9.789 | 11.098 | 12.537 | 14.107 | 16.008 | 17.336 | 19.531 |
| 400 | 6.314 | 7.286 | 8.267 | 9.306 | 10.375 | 11.629 | 12.526 | 14.184 | 15.842 | 18.034 | 20.488 |
| 450 | 6.314 | 7.133 | 8.126 | 8.656 | 9.947 | 11.277 | 12.737 | 14.504 | 16.413 | 17.704 | 20.025 |
| 500 | 6.442 | 7.286 | 8.267 | 9.162 | 9.947 | 11.605 | 12.544 | 14.291 | 16.008 | 18.012 | 20.476 |
| 560 | 6.365 | 6.879 | 7.753 | 8.951 | 10.025 | 11.295 | 12.209 | 14.087 | 15.985 | 17.75 | 20.16 |
| 630 | 6.084 | 6.931 | 7.978 | 8.869 | 9.904 | 11.118 | 12.563 | 14.313 | 16.449 | 18.062 | 20.52 |
| 710 | 6.31 | 7.081 | 7.95 | 8.938 | 9.665 | 10.771 | 12.316 | 13.929 | 15.805 | 17.355 | 19.283 |

附表 B3 ZSY 减速机的公称传动比 i 和实际传动比 $i_{ex}$

| 规格 | 公称传动比 i | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 22.4 | 25 | 28 | 31.5 | 35.5 | 40 | 45 | 50 | 56 | 63 | 71 | 80 | 90 | 100 |
| | 实际传动比 $i_{ex}$ | | | | | | | | | | | | | |
| 160 | 22.416 | 25.538 | 27.203 | 31.032 | 35.711 | 38.464 | 43.275 | 49.81 | 56.722 | 64.222 | 73.888 | 84.547 | 91.654 | 105.309 |
| 180 | 22.857 | 25.85 | 27.595 | 30.978 | 35.006 | 39.881 | 45.903 | 52.088 | 58.319 | 65 | 72.417 | 81.725 | 93.712 | 102.846 |
| 200 | 22.683 | 25.598 | 27.267 | 31.549 | 35.258 | 39.674 | 45.019 | 50.866 | 57.237 | 64.408 | 73.086 | 83.806 | 90.199 | 98.263 |
| 224 | 21.667 | 24.673 | 28.248 | 30.343 | 34.288 | 39.063 | 44.962 | 51.73 | 58.935 | 63.889 | 73.424 | 84.364 | 90.58 | 103.647 |
| 250 | 23.033 | 25.788 | 27.888 | 31.08 | 35.536 | 40.189 | 45.604 | 50.808 | 57.171 | 65.557 | 74.39 | 81.64 | 93.008 | 100.242 |
| 280 | 22.527 | 25.349 | 28.26 | 31.677 | 35.745 | 38.636 | 43.654 | 49.536 | 56.092 | 63.12 | 70.497 | 75.875 | 85.903 | 95.693 |
| 315 | 21.618 | 24.628 | 27.485 | 30.839 | 34.831 | 39.664 | 45.635 | 52.446 | 59.723 | 64.124 | 72.563 | 83.031 | 91.173 | 103.579 |
| 355 | 22.832 | 25.692 | 27.52 | 30.729 | 34.497 | 39.881 | 44.651 | 50.668 | 56.449 | 61.133 | 69.645 | 78.461 | 89.014 | 99.709 |
| 400 | 22.519 | 25.5 | 28.365 | 31.77 | 35.795 | 39.674 | 44.643 | 49.861 | 56.579 | 64.408 | 72.92 | 82.843 | 92.284 | 104.718 |
| 450 | 21.783 | 24.806 | 27.578 | 30.794 | 34.569 | 39.036 | 44.504 | 50.361 | 57.878 | 62.428 | 68.55 | 77.537 | 88.089 | 101.236 |
| 500 | 22.534 | 25.672 | 27.707 | 31.211 | 35.383 | 39.972 | 44.979 | 50.383 | 57.171 | 64.327 | 69.665 | 79.198 | 89.223 | 101.245 |
| 560 | 22.1 | 25.5 | 28.704 | 32 | 35.87 | 38.636 | 43.75 | 49.645 | 55.447 | 61.568 | 70.088 | 79.606 | 90.438 | 96.799 |
| 630 | 22.266 | 25.367 | 28.654 | 30.522 | 34.601 | 39.081 | 44.504 | 51.146 | 57.878 | 63.553 | 68.55 | 77.878 | 88.089 | 101.391 |
| 710 | 22.378 | 25.308 | 28.048 | 30.451 | 35.526 | 38.4 | 43.748 | 49.642 | 55.606 | 61.059 | 68.702 | 76.335 | 86.781 | 99.011 |

# 附录 C 减速机公称扭矩

附表 C1 ZDY 减速机公称输入、输出扭矩

| 公称传动比 i | 公称转速 r/min | | 公称输入扭矩 $T_1$、公称输出扭矩 $T_2$(N·m)*) | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ZDY80 | | ZDY100 | | ZDY125 | | ZDY160 | | ZDY200 | | ZDY250 | | ZDY280 | | ZDY315 | | ZDY355 | | ZDY400 | | ZDY450 | | ZDY500 | | ZDY560 | |
| | 输入 $n_1$ | 输出 $n_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ |
| 1.25 | 1500 | 1200 | 363 | 454 | 656 | 820 | 1305 | 1631 | 2292 | 2865 | 4030 | 5038 | 7137 | 8921 | | | | | | | | | | | | | | |
| | 1000 | 800 | 382 | 478 | 659 | 824 | 1337 | 1671 | 2483 | 3104 | 4259 | 5324 | 7707 | 9634 | | | | | | | | | | | | | | |
| | 750 | 600 | 395 | 493 | 662 | 828 | 1337 | 1671 | 2419 | 3024 | 4431 | 5539 | 8098 | 10123 | | | | | | | | | | | | | | |
| 1.4 | 1500 | 1070 | 337 | 472 | 611 | 856 | 1235 | 1729 | 2076 | 2906 | 3922 | 5491 | 7061 | 9885 | | | | | | | | | | | | | | |
| | 1000 | 715 | 353 | 495 | 621 | 869 | 1261 | 1765 | 2292 | 3209 | 4135 | 5789 | 7583 | 10616 | | | | | | | | | | | | | | |
| | 750 | 535 | 369 | 517 | 611 | 856 | 1299 | 1818 | 2292 | 3209 | 4291 | 6008 | 7946 | 11124 | | | | | | | | | | | | | | |
| 1.6 | 1500 | 940 | 312 | 499 | 586 | 937 | 1146 | 1834 | 1974 | 3158 | 3737 | 5980 | 6800 | 10879 | 9378 | 15005 | 12708 | 20333 | 17610 | 28176 | | | | | | | | |
| | 1000 | 625 | 325 | 520 | 602 | 963 | 1194 | 1910 | 2072 | 3316 | 3916 | 6265 | 7258 | 11613 | 10037 | 16059 | 13657 | 21850 | 19024 | 30438 | | | | | | | | |
| | 750 | 470 | 344 | 550 | 637 | 1019 | 1248 | 1997 | 2139 | 3423 | 4062 | 6499 | 7576 | 12122 | 10492 | 16788 | 14312 | 22900 | 19979 | 31966 | | | | | | | | |
| 1.8 | 1500 | 835 | 287 | 516 | 554 | 997 | 1101 | 1983 | 1846 | 3323 | 3546 | 6383 | 6519 | 11735 | 8983 | 16170 | 12256 | 22061 | 16954 | 30518 | | | | | | | | |
| | 1000 | 555 | 296 | 553 | 592 | 1066 | 1146 | 2063 | 1967 | 3541 | 3715 | 6687 | 6933 | 12480 | 9569 | 17224 | 13103 | 23585 | 18202 | 32764 | | | | | | | | |
| | 750 | 415 | 306 | 550 | 611 | 1100 | 1210 | 2177 | 2037 | 3667 | 3845 | 6922 | 7220 | 12996 | 9983 | 17969 | 13676 | 24616 | 19062 | 34311 | | | | | | | | |
| 2 | 1500 | 750 | 248 | 497 | 509 | 1019 | 1006 | 2012 | 1770 | 3540 | 3349 | 6698 | 6176 | 12351 | 8525 | 17050 | 11632 | 23264 | 16082 | 32164 | | | | | | | | |
| | 1000 | 500 | 258 | 516 | 525 | 1051 | 1051 | 2101 | 1853 | 3705 | 3505 | 7010 | 6532 | 13064 | 9034 | 18069 | 12377 | 24754 | 17247 | 34495 | 24324 | 48648 | 34170 | 68340 | 45773 | 91546 | | |
| | 750 | 375 | 267 | 535 | 548 | 1095 | 1082 | 2165 | 1910 | 3820 | 3616 | 7233 | 6800 | 13599 | 9397 | 18794 | 12899 | 25798 | 18005 | 36010 | 25454 | 50908 | 35921 | 71841 | 48068 | 96137 | 65819 | 131637 |
| 2.24 | 1500 | 670 | 229 | 513 | 446 | 998 | 898 | 2011 | 1681 | 3765 | 3081 | 6902 | 5819 | 13035 | 7869 | 17627 | 10893 | 24401 | 15134 | 33899 | | | | | | | | |
| | 1000 | 445 | 239 | 535 | 468 | 1048 | 936 | 2096 | 1748 | 3915 | 3218 | 7209 | 6160 | 13798 | 8347 | 18697 | 11527 | 25820 | 16073 | 36003 | 22939 | 51384 | 32441 | 72669 | 43090 | 96521 | | |
| | 750 | 335 | 242 | 542 | 484 | 1084 | 968 | 2168 | 1808 | 4050 | 3336 | 7473 | 6405 | 14347 | 8684 | 19452 | 11982 | 26840 | 16732 | 37479 | 23913 | 53566 | 33960 | 76070 | 45051 | 100913 | 61540 | 137850 |
| 2.5 | 1500 | 600 | 204 | 509 | 407 | 1019 | 809 | 2021 | 1560 | 3900 | 2846 | 7115 | 5444 | 13609 | 7347 | 18368 | 10295 | 25737 | 14414 | 36035 | | | | | | | | |
| | 1000 | 400 | 210 | 525 | 430 | 1074 | 840 | 2101 | 1624 | 4059 | 2970 | 7425 | 5740 | 14349 | 7755 | 19387 | 10849 | 27122 | 15242 | 38105 | 21344 | 53361 | 30388 | 75970 | 41571 | 103928 | | |
| | 750 | 300 | 216 | 541 | 446 | 1114 | 866 | 2165 | 1681 | 4202 | 3069 | 7672 | 5959 | 14898 | 8060 | 20151 | 11256 | 28141 | 15828 | 39569 | 22181 | 55454 | 31731 | 79329 | 43370 | 108424 | 59146 | 147866 |
| 2.8 | 1500 | 535 | 172 | 481 | 337 | 945 | 732 | 2050 | 1426 | 3993 | 2604 | 7291 | 5023 | 14065 | 6768 | 18950 | 9480 | 26544 | 13166 | 36866 | | | | | | | | |
| | 1000 | 360 | 181 | 508 | 353 | 989 | 764 | 2139 | 1480 | 4145 | 2712 | 7594 | 5272 | 14760 | 7124 | 19948 | 10008 | 28024 | 13905 | 38933 | 19568 | 54790 | 28125 | 78749 | 38200 | 106960 | | |
| | 750 | 270 | 191 | 535 | 369 | 1034 | 789 | 2211 | 1528 | 4278 | 2801 | 7844 | 5463 | 15295 | 7385 | 20679 | 10390 | 29093 | 14440 | 40431 | 20284 | 56796 | 29236 | 81860 | 39703 | 111167 | 53887 | 150885 |
| 3.15 | 1500 | 475 | 146 | 461 | 299 | 943 | 611 | 1925 | 1292 | 4071 | 2388 | 7521 | 4514 | 14219 | 6303 | 19854 | 8652 | 27255 | 12249 | 38586 | 16923 | 53306 | 24130 | 76008 | 32063 | 100997 | 42440 | 133687 |
| | 1000 | 315 | 153 | 481 | 315 | 993 | 640 | 2016 | 1337 | 4212 | 2483 | 7821 | 4737 | 14921 | 6637 | 20907 | 9092 | 28639 | 12912 | 40672 | 17352 | 54660 | 25604 | 80651 | 34447 | 108508 | 45907 | 144607 |
| | 750 | 235 | 166 | 521 | 318 | 1003 | 662 | 2086 | 1388 | 4372 | 2572 | 8102 | 4902 | 15422 | 6876 | 21659 | 9423 | 29681 | 13395 | 42196 | 18565 | 58480 | 26536 | 83589 | 35679 | 112388 | 47712 | 150292 |
| 3.55 | 1500 | 425 | 127 | 452 | 261 | 927 | 541 | 1921 | 1140 | 4046 | 2146 | 7617 | 4068 | 14442 | 5717 | 20296 | 7704 | 27348 | 11014 | 39101 | 15344 | 54470 | 21691 | 77004 | 28395 | 100803 | 38958 | 138300 |
| | 1000 | 280 | 134 | 475 | 267 | 949 | 563 | 2000 | 1184 | 4204 | 2235 | 7933 | 4259 | 15121 | 5997 | 21291 | 8070 | 28648 | 11556 | 41022 | 16178 | 57431 | 22882 | 81230 | 30522 | 108352 | 41972 | 149001 |
| | 750 | 210 | 140 | 497 | 280 | 994 | 586 | 2079 | 1222 | 4340 | 2305 | 8182 | 4406 | 15640 | 6214 | 22059 | 8340 | 29608 | 11969 | 42491 | 16706 | 59307 | 23633 | 83897 | 31617 | 112240 | 43535 | 154550 |
| 4 | 1500 | 375 | 108 | 433 | 216 | 866 | 439 | 1757 | 987 | 3947 | 1910 | 7640 | 3629 | 14516 | 4928 | 19711 | 6972 | 27886 | 9900 | 39601 | 13663 | 54651 | 18979 | 75916 | 25371 | 101485 | 35978 | 143912 |
| | 1000 | 250 | 115 | 458 | 229 | 917 | 458 | 1834 | 1022 | 4087 | 1986 | 7946 | 3782 | 15127 | 5147 | 20590 | 7296 | 29185 | 10390 | 41562 | 14335 | 57338 | 19960 | 79838 | 27103 | 108412 | 38515 | 154061 |
| | 750 | 187 | 115 | 458 | 229 | 917 | 471 | 1885 | 1057 | 4227 | 2050 | 8200 | 3909 | 15637 | 5323 | 21290 | 7513 | 30051 | 10747 | 42988 | 14771 | 59083 | 20603 | 82410 | 28001 | 112002 | 39830 | 159319 |
| 4.5 | 1500 | 335 | 89 | 401 | 185 | 831 | 350 | 1576 | 872 | 3925 | 1655 | 7449 | 3152 | 14182 | 4476 | 20141 | 6348 | 28564 | 8703 | 39165 | 11957 | 53805 | 16674 | 75034 | 23143 | 104143 | 31273 | 140729 |
| | 1000 | 220 | 91 | 408 | 191 | 860 | 363 | 1633 | 907 | 4083 | 1719 | 7736 | 3285 | 14783 | 4660 | 20972 | 6628 | 29825 | 9101 | 40955 | 12520 | 56340 | 17496 | 78730 | 24658 | 110961 | 33282 | 149768 |
| | 750 | 166 | 89 | 401 | 191 | 860 | 382 | 1719 | 930 | 4183 | 1770 | 7965 | 3387 | 15242 | 4813 | 21659 | 6825 | 30713 | 9397 | 42287 | 12924 | 58160 | 18030 | 81137 | 25428 | 114428 | 34304 | 154366 |
| 5 | 1500 | 300 | 70 | 350 | 159 | 796 | 306 | 1528 | 770 | 3852 | 1458 | 7290 | 2871 | 14357 | 3871 | 19355 | 5501 | 27504 | 7506 | 37532 | 10696 | 53480 | 14898 | 74490 | 20049 | 100243 | 28013 | 140067 |
| | 1000 | 200 | 76 | 382 | 162 | 812 | 315 | 1576 | 802 | 4011 | 1518 | 7592 | 2989 | 14946 | 4030 | 20151 | 5720 | 28602 | 7831 | 39155 | 11154 | 55772 | 15557 | 77785 | 21306 | 106530 | 29844 | 149219 |
| | 750 | 150 | 76 | 382 | 166 | 828 | 331 | 1655 | 828 | 4138 | 1566 | 7831 | 3081 | 15407 | 4151 | 20755 | 5883 | 29414 | 8060 | 40301 | 11460 | 57300 | 16006 | 80029 | 21952 | 109761 | 30789 | 153946 |
| 5.6 | 1500 | 270 | 64 | 357 | 127 | 713 | 255 | 1426 | 694 | 3886 | 1343 | 7523 | 2477 | 13869 | 3381 | 18932 | 4960 | 27774 | 6564 | 36759 | 9957 | 55762 | 12975 | 72661 | 17769 | 99508 | 24053 | 134698 |
| | 1000 | 180 | 67 | 374 | 134 | 749 | 258 | 1444 | 716 | 4011 | 1394 | 7808 | 2579 | 14440 | 3514 | 19681 | 5157 | 28879 | 6838 | 38292 | 10390 | 58186 | 13532 | 75781 | 18804 | 105302 | 25499 | 142792 |
| | 750 | 134 | 64 | 357 | 140 | 784 | 267 | 1497 | 751 | 4207 | 1439 | 8058 | 2649 | 14832 | 3629 | 20322 | 5297 | 29664 | 7054 | 39504 | 10671 | 59755 | 13905 | 77867 | 19342 | 108315 | 26243 | 146963 |

*) 上表公称输入扭矩 $T_1$、公称输出扭矩 $T_2$ 为计算值或台架试验扭矩，选用减速机时必须考虑工况系数 $K_A$ 和安全系数 $S_A$。

附表 C2

ZLY 减速机公称输入、输出扭矩

| 公称传动比 i | 公称转速 r/min | | 公称输入扭矩 $T_1$、公称输出扭矩 $T_2$(N·m)*) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | ZLY112 | | ZLY125 | | ZLY140 | | ZLY160 | | ZLY180 | | ZLY200 | | ZLY224 | | ZLY250 | | ZLY280 | | ZLY315 | | ZLY355 | | ZLY400 | | ZLY450 | | ZLY500 | | ZLY560 | | ZLY630 | | ZLY710 | |
| | 输入 $n_1$ | 输出 $n_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ |
| 6.3 | 1500 | 240 | 238 | 1500 | 344 | 2928 | 465 | 2928 | 726 | 4573 | 1000 | 6297 | 1407 | 8864 | 1942 | 12234 | 2699 | 17007 | 3680 | 23184 | 5036 | 31727 | 7360 | 46367 | 10505 | 66182 | 13956 | 87921 | 19940 | 125625 | 27440 | 172874 | | | | |
| | 1000 | 160 | 252 | 1588 | 357 | 3008 | 478 | 3008 | 745 | 4693 | 1041 | 6558 | 1461 | 9205 | 2015 | 12695 | 2808 | 17689 | 3820 | 24066 | 5233 | 32970 | 7659 | 48252 | 10944 | 68949 | 14879 | 93737 | 20829 | 131220 | 28650 | 180495 | 41514 | 261537 | 59487 | 374768 |
| | 750 | 120 | 248 | 1564 | 364 | 3088 | 490 | 3088 | 764 | 4813 | 1070 | 6738 | 1515 | 9546 | 2076 | 13076 | 2890 | 18210 | 3922 | 24708 | 5373 | 33853 | 7869 | 49576 | 11256 | 70914 | 15446 | 97307 | 21456 | 135171 | 29541 | 186110 | 42746 | 269299 | 62190 | 391794 |
| 7.1 | 1500 | 210 | 216 | 1537 | 312 | 2983 | 420 | 2983 | 662 | 4701 | 910 | 6464 | 1280 | 9086 | 1764 | 12521 | 2451 | 17403 | 3343 | 23732 | 4578 | 32501 | 6691 | 47509 | 9550 | 67805 | 12689 | 90090 | 18126 | 128694 | 24302 | 172541 | | | | |
| | 1000 | 140 | 229 | 1627 | 325 | 3085 | 435 | 3085 | 678 | 4814 | 945 | 6713 | 1327 | 9425 | 1834 | 13019 | 2550 | 18104 | 3476 | 24681 | 4756 | 33767 | 6962 | 49430 | 9951 | 70653 | 13523 | 96012 | 18938 | 134457 | 26081 | 185175 | 37742 | 267965 | 54082 | 383980 |
| | 750 | 106 | 225 | 1600 | 331 | 3164 | 446 | 3164 | 694 | 4927 | 968 | 6871 | 1375 | 9764 | 1885 | 13380 | 2623 | 18624 | 3565 | 25314 | 4890 | 34716 | 7156 | 50809 | 10238 | 72687 | 14045 | 99719 | 19507 | 138503 | 26855 | 190668 | 38862 | 275921 | 56536 | 401406 |
| 8 | 1500 | 185 | 204 | 1630 | 274 | 3107 | 388 | 3107 | 602 | 4813 | 828 | 6621 | 1156 | 9244 | 1592 | 12733 | 2209 | 17674 | 2986 | 23888 | 4317 | 34533 | 5934 | 47470 | 8334 | 66672 | 11899 | 95194 | 15847 | 126773 | 22411 | 179285 | | | | |
| | 1000 | 125 | 205 | 1643 | 282 | 3239 | 405 | 3239 | 611 | 4890 | 888 | 7105 | 1203 | 9626 | 1652 | 13217 | 2302 | 18412 | 3104 | 24830 | 4489 | 35908 | 6169 | 49354 | 8671 | 69371 | 12396 | 99167 | 16522 | 132172 | 23369 | 186951 | 32451 | 259607 | 47931 | 383452 |
| | 750 | 94 | 216 | 1732 | 293 | 3362 | 420 | 3362 | 624 | 4991 | 879 | 7029 | 1235 | 9881 | 1694 | 13548 | 2368 | 18947 | 3196 | 25569 | 4609 | 36876 | 6341 | 50730 | 8913 | 71307 | 12733 | 101867 | 16974 | 135788 | 24028 | 192222 | 33349 | 266789 | 49418 | 395345 |
| 9 | 1500 | 167 | 185 | 1162 | 245 | 3209 | 357 | 3209 | 516 | 4641 | 758 | 6819 | 1054 | 9483 | 1445 | 13007 | 2006 | 18050 | 2693 | 24238 | 3896 | 35068 | 5354 | 48189 | 7525 | 67729 | 10753 | 96780 | 14312 | 128810 | 20265 | 182386 | | | | |
| | 1000 | 111 | 191 | 1719 | 258 | 3309 | 368 | 3309 | 525 | 4727 | 788 | 7091 | 1098 | 9884 | 1499 | 13494 | 2082 | 18737 | 2798 | 25183 | 4049 | 36443 | 5568 | 50109 | 7821 | 70393 | 11193 | 100733 | 14908 | 134168 | 21106 | 189950 | 29299 | 263695 | 43328 | 389955 |
| | 750 | 83 | 191 | 1719 | 261 | 3438 | 382 | 3438 | 535 | 4813 | 815 | 7334 | 1121 | 10085 | 1541 | 13867 | 2139 | 19253 | 2878 | 25900 | 4164 | 37474 | 5717 | 51455 | 8035 | 72313 | 11498 | 103484 | 15305 | 137749 | 21685 | 195164 | 30089 | 270800 | 44592 | 401329 |
| 10 | 1500 | 150 | 166 | 1655 | 223 | 3183 | 318 | 3183 | 465 | 4648 | 694 | 6940 | 949 | 9486 | 1299 | 12988 | 1808 | 18081 | 2438 | 24384 | 3534 | 35335 | 4851 | 48514 | 6812 | 68123 | 9741 | 97410 | 12975 | 129753 | 18355 | 183551 | | | | |
| | 1000 | 100 | 172 | 1719 | 229 | 3343 | 334 | 3343 | 478 | 4775 | 716 | 7163 | 984 | 9837 | 1356 | 13561 | 1881 | 18814 | 2540 | 25403 | 3667 | 36672 | 5042 | 50424 | 7086 | 70861 | 10133 | 101326 | 13504 | 135037 | 19110 | 191096 | 26520 | 265204 | 39270 | 392696 |
| | 750 | 75 | 178 | 1783 | 236 | 3387 | 339 | 3387 | 484 | 4839 | 739 | 7385 | 1019 | 10187 | 1388 | 13879 | 1935 | 19355 | 2598 | 25976 | 3769 | 37691 | 5182 | 51825 | 7271 | 72707 | 10403 | 104031 | 13854 | 138539 | 19622 | 196221 | 27237 | 272366 | 40390 | 403901 |
| 11.2 | 1500 | 134 | 146 | 1640 | 201 | 3209 | 287 | 3209 | 420 | 4706 | 611 | 6845 | 847 | 9484 | 1171 | 13120 | 1624 | 18183 | 2203 | 24672 | 3183 | 35653 | 4380 | 49059 | 6150 | 68882 | 8792 | 98475 | 11708 | 131133 | 16579 | 185683 | | | | |
| | 1000 | 89 | 153 | 1711 | 210 | 3316 | 296 | 3316 | 430 | 4813 | 640 | 7166 | 879 | 9840 | 1213 | 13584 | 1690 | 18932 | 2292 | 25670 | 3314 | 37115 | 4555 | 51020 | 6389 | 71556 | 9139 | 102361 | 12176 | 136374 | 17247 | 193170 | 23932 | 268042 | 35440 | 396929 |
| | 750 | 67 | 153 | 1711 | 216 | 3423 | 306 | 3423 | 446 | 4991 | 649 | 7273 | 904 | 10126 | 1248 | 13976 | 1732 | 19395 | 2356 | 26383 | 3400 | 38078 | 4673 | 52339 | 6570 | 73588 | 9384 | 105106 | 12504 | 140046 | 17712 | 198375 | 24575 | 275244 | 36443 | 408159 |
| 12.5 | 1500 | 120 | 134 | 1671 | 178 | 3183 | 255 | 3183 | 376 | 4695 | 528 | 6605 | 742 | 9271 | 1051 | 13131 | 1458 | 18225 | 1980 | 24750 | 2865 | 35813 | 3935 | 49183 | 5533 | 69158 | 7907 | 98843 | 10530 | 131631 | 14904 | 186305 | | | | |
| | 1000 | 80 | 134 | 1671 | 186 | 3343 | 267 | 3343 | 382 | 4775 | 544 | 6804 | 774 | 9669 | 1089 | 13609 | 1518 | 18981 | 2063 | 25785 | 2980 | 37245 | 4087 | 51093 | 5740 | 71744 | 8213 | 102663 | 10944 | 136804 | 15481 | 193507 | 21497 | 268713 | 31878 | 398474 |
| | 750 | 60 | 140 | 1751 | 191 | 3343 | 267 | 3343 | 395 | 4934 | 560 | 7003 | 802 | 10028 | 1121 | 14007 | 1553 | 19418 | 2114 | 26422 | 3056 | 38200 | 4202 | 52525 | 5896 | 73694 | 8442 | 105528 | 11231 | 140385 | 15904 | 198799 | 22080 | 275995 | 32763 | 409536 |
| 14 | 1500 | 107 | 118 | 1649 | 159 | 3209 | 229 | 3209 | 334 | 4680 | 471 | 6596 | 669 | 9359 | 942 | 13192 | 1312 | 18361 | 1776 | 24868 | 2572 | 36010 | 3534 | 49469 | 4960 | 69435 | 7099 | 99384 | 9455 | 132363 | 13765 | 192706 | 18578 | 260091 | 27491 | 384878 |
| | 1000 | 71 | 119 | 1671 | 167 | 3343 | 239 | 3343 | 344 | 4813 | 487 | 6819 | 697 | 9760 | 974 | 13637 | 1356 | 18985 | 1843 | 25804 | 2674 | 37436 | 3667 | 51341 | 5157 | 72198 | 7373 | 103216 | 9817 | 137444 | 13895 | 194534 | 19291 | 270074 | 28612 | 400565 |
| | 750 | 54 | 125 | 1747 | 166 | 3387 | 242 | 3387 | 351 | 4920 | 497 | 6952 | 713 | 9983 | 1006 | 14083 | 1401 | 19609 | 1897 | 26562 | 2750 | 38506 | 3769 | 52767 | 5297 | 74159 | 7564 | 105890 | 10085 | 141187 | 14261 | 199659 | 19800 | 277205 | 29414 | 411796 |
| 16 | 1500 | 94 | 102 | 1630 | 140 | 3158 | 197 | 3158 | 302 | 4839 | 449 | 7182 | 624 | 9983 | 847 | 13548 | 1178 | 18845 | 1598 | 25569 | 2305 | 36876 | 3171 | 50730 | 4457 | 71307 | 6367 | 101867 | 8487 | 135788 | 12014 | 192222 | 16674 | 266789 | 24696 | 395141 |
| | 1000 | 62 | 105 | 1681 | 143 | 3285 | 205 | 3285 | 306 | 4890 | 468 | 7487 | 649 | 10390 | 879 | 14058 | 1222 | 19558 | 1662 | 26587 | 2397 | 38353 | 3295 | 52716 | 4622 | 73955 | 6618 | 105890 | 8815 | 141034 | 12472 | 199557 | 17305 | 276874 | 25690 | 411032 |
| | 750 | 47 | 102 | 1630 | 146 | 3463 | 216 | 3463 | 318 | 5930 | 484 | 7742 | 675 | 10798 | 904 | 14465 | 1261 | 20170 | 1706 | 27300 | 2458 | 39321 | 3387 | 54193 | 4750 | 75993 | 6787 | 108590 | 9053 | 144854 | 12797 | 204752 | 17763 | 284208 | 26396 | 422339 |
| 18 | 1500 | 83 | 89 | 1604 | 124 | 3209 | 178 | 3209 | 271 | 4871 | 385 | 6933 | 548 | 9856 | 732 | 13179 | 1025 | 18451 | 1433 | 25785 | 2076 | 37360 | 2852 | 51341 | 4005 | 72083 | 5724 | 103025 | 7621 | 137176 | 10804 | 194476 | 14981 | 269654 | 22201 | 399610 |
| | 1000 | 56 | 96 | 1719 | 129 | 3369 | 187 | 3369 | 277 | 4985 | 401 | 7220 | 568 | 10228 | 764 | 13752 | 1060 | 19081 | 1490 | 26816 | 2158 | 38849 | 2961 | 53289 | 4154 | 74777 | 5940 | 106922 | 7917 | 142505 | 11221 | 201983 | 15547 | 279853 | 23082 | 415482 |
| | 750 | 42 | 96 | 1719 | 134 | 3438 | 191 | 3438 | 280 | 5042 | 407 | 7334 | 586 | 10543 | 777 | 13981 | 1095 | 19711 | 1528 | 27504 | 2216 | 39881 | 3043 | 54779 | 4266 | 76782 | 6099 | 109787 | 8124 | 146230 | 11524 | 207426 | 15942 | 286958 | 23697 | 426541 |
| 20 | 1500 | 75 | 83 | 1655 | 115 | 3247 | 162 | 3247 | 242 | 4839 | 376 | 7513 | 490 | 9805 | 656 | 13115 | 904 | 18081 | 1305 | 26103 | 1885 | 37691 | 2661 | 53225 | 3737 | 74745 | 5342 | 106833 | 7131 | 142613 | 10059 | 201187 | 14007 | 280133 | 20755 | 415107 |
| | 1000 | 50 | 86 | 1719 | 115 | 3438 | 172 | 3438 | 253 | 5062 | 392 | 7831 | 511 | 10219 | 688 | 13752 | 907 | 18145 | 1356 | 27122 | 1958 | 39155 | 2664 | 53289 | 3744 | 74872 | 5348 | 106960 | 7124 | 142486 | 10028 | 200550 | 13943 | 278860 | 20724 | 414470 |
| | 750 | 38 | 87 | 1732 | 121 | 3565 | 178 | 3565 | 255 | 5093 | 407 | 8149 | 522 | 10441 | 700 | 14007 | 968 | 19355 | 1388 | 27759 | 2012 | 40237 | 2674 | 53480 | 3756 | 75127 | 5348 | 106960 | 7156 | 143123 | 9359 | 187180 | 14261 | 285227 | 20819 | 416380 |

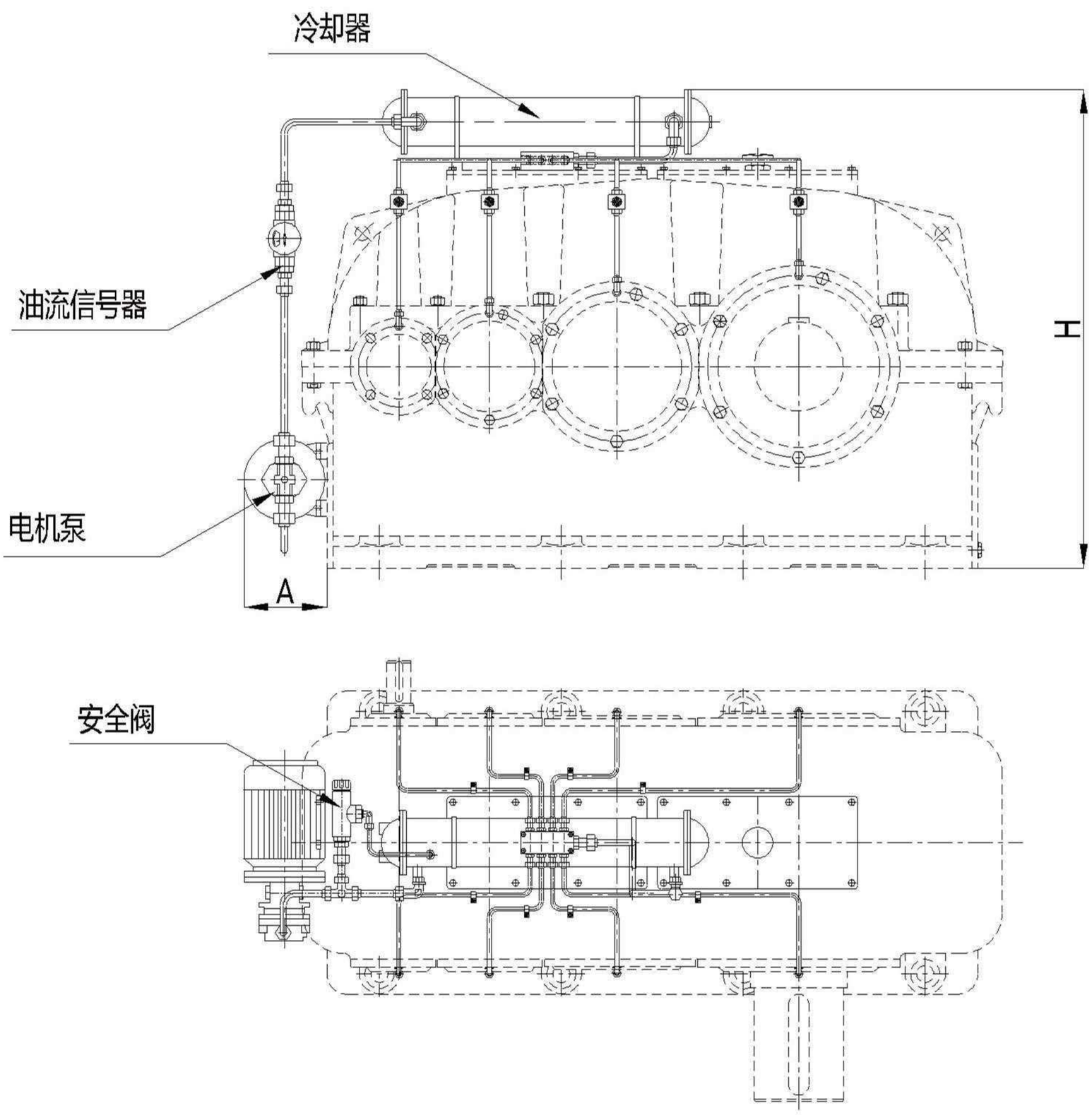
*) 上表公称输入扭矩 $T_1$、公称输出扭矩 $T_2$为计算值或台架试验扭矩，选用减速机时必须考虑工况系数 $K_A$和安全系数 $S_A$。

| 公称传动比 i | 公称转速 r/min 输入 $n_1$ | 公称转速 r/min 输出 $n_2$ | 公称输入扭矩 $T_1$、公称输出扭矩 $T_2$(N·m)*) ZSY160 $T_1$ | ZSY160 $T_2$ | ZSY180 $T_1$ | ZSY180 $T_2$ | ZSY200 $T_1$ | ZSY200 $T_2$ | ZSY224 $T_1$ | ZSY224 $T_2$ | ZSY250 $T_1$ | ZSY250 $T_2$ | ZSY280 $T_1$ | ZSY280 $T_2$ | ZSY315 $T_1$ | ZSY315 $T_2$ | ZSY355 $T_1$ | ZSY355 $T_2$ | ZSY400 $T_1$ | ZSY400 $T_2$ | ZSY450 $T_1$ | ZSY450 $T_2$ | ZSY500 $T_1$ | ZSY500 $T_2$ | ZSY560 $T_1$ | ZSY560 $T_2$ | ZSY630 $T_1$ | ZSY630 $T_2$ | ZSY710 $T_1$ | ZSY710 $T_2$ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.4 | 1500 | 67 | 216 | 4849 | 325 | 7273 | 433 | 9698 | 624 | 13976 | 834 | 18682 | 1159 | 25956 | 1719 | 38506 | 2547 | 57045 | 3374 | 75585 | 4966 | 111238 | 6781 | 151883 | 9232 | 206789 | 11874 | 265974 | | |
| | 1000 | 44 | 229 | 5134 | 334 | 7487 | 458 | 10268 | 649 | 14547 | 869 | 19467 | 1222 | 27382 | 1767 | 39575 | 2502 | 56047 | 3390 | 75942 | 5157 | 115517 | 7163 | 160440 | 9789 | 219268 | 12654 | 283444 | 18193 | 407518 |
| | 750 | 33 | 229 | 5134 | 344 | 7701 | 471 | 10553 | 662 | 14832 | 891 | 19966 | 1235 | 27667 | 1719 | 38506 | 2738 | 61324 | 3502 | 78437 | 5284 | 118369 | 7385 | 165431 | 10187 | 228181 | 13115 | 293783 | 18909 | 423562 |
| 25 | 1500 | 60 | 204 | 5093 | 293 | 7322 | 401 | 10028 | 611 | 15280 | 732 | 18304 | 1000 | 24989 | 1528 | 38200 | 2324 | 58096 | 2992 | 74808 | 4489 | 112213 | 6494 | 162350 | 8945 | 223629 | 11874 | 296846 | | |
| | 1000 | 40 | 210 | 5253 | 296 | 7401 | 411 | 10266 | 630 | 15758 | 764 | 19100 | 1031 | 25785 | 1557 | 38916 | 2388 | 59688 | 3008 | 75206 | 4441 | 111019 | 6733 | 168319 | 9311 | 232781 | 12654 | 316344 | 18193 | 454819 |
| | 750 | 30 | 204 | 5093 | 306 | 7640 | 420 | 10505 | 649 | 16235 | 764 | 19100 | 1070 | 26740 | 1553 | 38837 | 2483 | 62075 | 3056 | 76400 | 4457 | 111417 | 6876 | 171900 | 9550 | 238750 | 13115 | 327883 | 18909 | 472725 |
| 28 | 1500 | 54 | 185 | 5170 | 267 | 7487 | 376 | 10518 | 548 | 15331 | 719 | 20144 | 904 | 25314 | 1401 | 39219 | 2069 | 57937 | 2706 | 75763 | 3979 | 111417 | 6017 | 168462 | 8022 | 224616 | 11460 | 320880 | | |
| | 1000 | 36 | 191 | 5348 | 277 | 7755 | 392 | 10963 | 573 | 16044 | 716 | 20055 | 936 | 26205 | 1413 | 39575 | 2053 | 57491 | 2674 | 74872 | 4011 | 112308 | 6208 | 173810 | 8309 | 232638 | 11890 | 332913 | 16808 | 470624 |
| | 750 | 27 | 191 | 5348 | 280 | 7844 | 395 | 11053 | 586 | 16401 | 713 | 19966 | 968 | 27097 | 1452 | 40645 | 2037 | 57045 | 2674 | 74872 | 3947 | 110525 | 6367 | 178267 | 8531 | 238877 | 12224 | 342272 | 17254 | 483103 |
| 31.5 | 1500 | 48 | 166 | 5214 | 236 | 7420 | 325 | 10228 | 503 | 15843 | 605 | 19052 | 809 | 25470 | 1254 | 39508 | 1846 | 58160 | 2515 | 79217 | 3565 | 112308 | 5348 | 168462 | 7258 | 228627 | 10187 | 320880 | | |
| | 1000 | 32 | 162 | 5114 | 248 | 7821 | 334 | 10529 | 525 | 16545 | 602 | 18952 | 821 | 25871 | 1261 | 39709 | 1862 | 58661 | 2579 | 81223 | 3534 | 111305 | 5587 | 175983 | 7545 | 237652 | 10601 | 333916 | 14946 | 470791 |
| | 750 | 24 | 178 | 5615 | 255 | 8022 | 344 | 10830 | 535 | 16846 | 624 | 19654 | 828 | 26072 | 1273 | 40110 | 1846 | 58160 | 2547 | 80220 | 3565 | 112308 | 5730 | 180495 | 7704 | 242666 | 10887 | 342941 | 15280 | 481320 |
| 35.5 | 1500 | 42 | 146 | 5198 | 216 | 7685 | 299 | 10623 | 446 | 15821 | 560 | 19889 | 745 | 26444 | 1133 | 40231 | 1751 | 62155 | 2228 | 79106 | 3247 | 115269 | 4807 | 170643 | 6526 | 231667 | 9232 | 327724 | | |
| | 1000 | 28 | 143 | 5085 | 220 | 7798 | 306 | 10849 | 458 | 16273 | 563 | 20002 | 764 | 27122 | 1127 | 40005 | 1719 | 61025 | 2244 | 79671 | 3247 | 115269 | 4966 | 176293 | 6781 | 240708 | 9550 | 339025 | 13466 | 478025 |
| | 750 | 21 | 153 | 5424 | 229 | 8137 | 318 | 11301 | 471 | 16725 | 560 | 19889 | 777 | 27574 | 1146 | 40683 | 1783 | 63285 | 2228 | 79106 | 3247 | 115269 | 5157 | 183074 | 6940 | 246358 | 9550 | 339025 | 113879 | 492716 |
| 40 | 1500 | 38 | 134 | 5348 | 191 | 7640 | 267 | 10696 | 407 | 16299 | 503 | 20119 | 681 | 27249 | 1006 | 40237 | 1496 | 59847 | 2069 | 82767 | 2961 | 118420 | 4298 | 171900 | 5921 | 236840 | 8277 | 331067 | | |
| | 1000 | 25 | 138 | 5539 | 201 | 8022 | 277 | 11078 | 382 | 15280 | 506 | 20246 | 678 | 27122 | 1031 | 41256 | 1528 | 61120 | 2006 | 80220 | 3008 | 120330 | 4364 | 174574 | 6112 | 244480 | 8595 | 343800 | 12558 | 502330 |
| | 750 | 19 | 140 | 5603 | 204 | 8149 | 280 | 11205 | 395 | 15789 | 522 | 20883 | 700 | 28013 | 1019 | 40747 | 1592 | 63667 | 1974 | 78947 | 2992 | 119693 | 4584 | 183360 | 5921 | 236840 | 8659 | 346347 | 12924 | 516973 |
| 45 | 1500 | 33 | 108 | 4871 | 153 | 6876 | 216 | 9741 | 293 | 13179 | 446 | 20055 | 611 | 27504 | 904 | 40683 | 1369 | 61598 | 1783 | 80220 | 2610 | 117465 | 3916 | 176198 | 5412 | 243525 | 7194 | 323745 | | |
| | 1000 | 22 | 115 | 5157 | 153 | 6876 | 229 | 10314 | 306 | 13752 | 449 | 20198 | 611 | 27504 | 907 | 40826 | 1385 | 62314 | 1767 | 79504 | 2674 | 120330 | 4059 | 182644 | 5635 | 253553 | 7354 | 330908 | 10983 | 494213 |
| | 750 | 17 | 115 | 5157 | 153 | 6876 | 229 | 10314 | 318 | 14325 | 458 | 20628 | 637 | 28650 | 942 | 42402 | 1401 | 63030 | 1783 | 80220 | 2674 | 120330 | 4075 | 183360 | 5730 | 257850 | 7640 | 343800 | 11269 | 507105 |
| 50 | 1500 | 30 | 96 | 4775 | 140 | 7003 | 204 | 10187 | 293 | 14643 | 401 | 20055 | 541 | 27058 | 815 | 40747 | 1242 | 62075 | 1560 | 77992 | 2292 | 114600 | 3438 | 171900 | 4775 | 238750 | 6558 | 327883 | 9486 | 474317 |
| | 1000 | 20 | 105 | 5253 | 143 | 7163 | 210 | 10505 | 296 | 14803 | 411 | 20533 | 563 | 28173 | 812 | 40588 | 1242 | 62075 | 1576 | 78788 | 2292 | 114600 | 3534 | 176675 | 4966 | 248300 | 6781 | 339025 | 9837 | 491825 |
| | 750 | 15 | 102 | 5093 | 153 | 7640 | 216 | 10823 | 306 | 15280 | 407 | 20373 | 548 | 27377 | 828 | 41383 | 1210 | 60483 | 1592 | 79583 | 2292 | 114600 | 3693 | 184633 | 5093 | 254677 | 7003 | 350167 | 10123 | 506150 |
| 56 | 1500 | 27 | 96 | 5348 | 134 | 7487 | 197 | 11053 | 274 | 15331 | 357 | 19966 | 484 | 27097 | 713 | 39932 | 1082 | 60611 | 1401 | 78437 | 1974 | 110525 | 3056 | 171136 | 4298 | 240660 | 6080 | 340489 | 8531 | 477755 |
| | 1000 | 18 | 96 | 5348 | 143 | 8022 | 210 | 11766 | 287 | 16044 | 363 | 20322 | 497 | 27810 | 735 | 41180 | 1098 | 61502 | 1385 | 77546 | 2006 | 112308 | 3152 | 176484 | 4489 | 251356 | 6303 | 352968 | 8882 | 497364 |
| | 750 | 13.4 | 102 | 5705 | 140 | 7844 | 216 | 12122 | 293 | 16401 | 357 | 19966 | 509 | 28523 | 739 | 41358 | 1146 | 64176 | 1401 | 78437 | 2037 | 114091 | 3247 | 181832 | 4584 | 256704 | 6494 | 363664 | 9104 | 509843 |
| 63 | 1500 | 24 | 76 | 4813 | 108 | 6819 | 146 | 9225 | 236 | 14841 | 287 | 18050 | 388 | 24467 | 649 | 40912 | 923 | 58160 | 1242 | 78215 | 1783 | 112308 | 2706 | 170468 | 3852 | 242666 | 5475 | 344946 | 7449 | 469287 |
| | 1000 | 16 | 76 | 4813 | 115 | 7220 | 153 | 9626 | 239 | 15041 | 287 | 18050 | 401 | 25269 | 669 | 42116 | 955 | 60165 | 1242 | 78215 | 1815 | 114314 | 2770 | 174479 | 4011 | 252693 | 5730 | 360990 | 7736 | 487337 |
| | 750 | 12 | 76 | 4813 | 115 | 7220 | 153 | 9626 | 255 | 16044 | 293 | 18451 | 407 | 25670 | 662 | 41714 | 955 | 60165 | 1273 | 80220 | 1783 | 112308 | 2865 | 180495 | 4138 | 260715 | 5857 | 369012 | 7895 | 497364 |
| 71 | 1500 | 21 | 70 | 4972 | 108 | 7685 | 146 | 10397 | 210 | 14917 | 255 | 18081 | 357 | 25314 | 573 | 40683 | 828 | 58764 | 1178 | 83626 | 1560 | 110748 | 2483 | 176293 | 3438 | 244098 | 4902 | 348066 | 6653 | 472375 |
| | 1000 | 14 | 76 | 5424 | 105 | 7459 | 143 | 10171 | 220 | 15595 | 258 | 18307 | 363 | 25766 | 573 | 40683 | 860 | 61025 | 1098 | 77976 | 1624 | 115269 | 2579 | 183074 | 3534 | 250879 | 5157 | 366147 | 6924 | 491586 |
| | 750 | 10.6 | 76 | 5424 | 115 | 8137 | 153 | 10849 | 229 | 16273 | 267 | 18985 | 369 | 26218 | 573 | 40683 | 828 | 58764 | 1146 | 81366 | 1592 | 113008 | 2674 | 189854 | 3629 | 257659 | 5221 | 370667 | 7067 | 501757 |
| 80 | 1500 | 18.8 | 57 | 4584 | 83 | 6621 | 115 | 9168 | 166 | 13243 | 229 | 18336 | 325 | 25976 | 509 | 40747 | 732 | 58573 | 987 | 78947 | 1433 | 114600 | 2165 | 173173 | 2992 | 239387 | 4298 | 343800 | 6112 | 488960 |
| | 1000 | 12.5 | 57 | 4584 | 86 | 6876 | 115 | 9168 | 172 | 13752 | 229 | 18336 | 325 | 25976 | 516 | 41256 | 764 | 61120 | 955 | 76400 | 1433 | 114600 | 2292 | 183360 | 3152 | 252120 | 4489 | 359080 | 6351 | 508060 |
| | 750 | 9.4 | 51 | 4075 | 89 | 7131 | 127 | 10187 | 178 | 14261 | 242 | 19355 | 344 | 27504 | 535 | 42784 | 764 | 61120 | 1019 | 81493 | 1401 | 112053 | 2356 | 188453 | 3183 | 254667 | 4584 | 366720 | 6494 | 519520 |
| 90 | 1500 | 16.7 | 51 | 4584 | 76 | 6876 | 115 | 10314 | 159 | 14325 | 210 | 18909 | 293 | 26358 | 471 | 42402 | 669 | 60165 | 891 | 80200 | 1273 | 114600 | 1942 | 174765 | 2515 | 226335 | 3756 | 338070 | 4871 | 438345 |
| | 1000 | 11.1 | 57 | 5157 | 76 | 6876 | 115 | 10314 | 162 | 14612 | 210 | 18909 | 287 | 25785 | 468 | 42116 | 669 | 60165 | 907 | 81653 | 1242 | 111735 | 1910 | 171900 | 2655 | 238941 | 3868 | 348098 | 5062 | 455535 |
| | 750 | 8.3 | 51 | 4584 | 76 | 6876 | 115 | 10314 | 166 | 14898 | 216 | 19482 | 293 | 26358 | 471 | 42402 | 700 | 63030 | 891 | 80220 | 1273 | 114600 | 2037 | 183360 | 2674 | 240660 | 3820 | 343800 | 5157 | 464130 |
| 100 | 1500 | 15 | 51 | 5093 | 70 | 7003 | 102 | 10187 | 153 | 15280 | 191 | 19100 | 274 | 27377 | 382 | 38200 | | | | | | | | | | | | | | |
| | 1000 | 10 | 48 | 4775 | 67 | 6685 | 105 | 10505 | 153 | 15280 | 201 | 20055 | 277 | 27695 | 382 | 38200 | | | | | | | | | | | | | | |
| | 750 | 7.5 | 51 | 5093 | 76 | 7640 | 102 | 10187 | 166 | 16553 | 204 | 20373 | 280 | 28013 | 382 | 38200 | | | | | | | | | | | | | | |

*）上表公称输入扭矩 $T_1$、公称输出扭矩 $T_2$ 为计算值或台架试验扭矩，选用减速机时必须考虑工况系数 $K_A$ 和安全系数 $S_A$。

# 附录 D 减速机强制润滑

附图 D1 强制润滑示意图




附表 D1 强制润滑尺寸

| | A | H | | A | H | | A | H |
|---|---|---|---|---|---|---|---|---|
| ZDY315 | 155 | 930 | ZLY315 | 155 | 900 | ZSY315 | 155 | 900 |
| ZDY355 | 155 | 1080 | ZLY355 | 155 | 1000 | ZSY355 | 155 | 1000 |
| ZDY400 | 155 | 1130 | ZLY400 | 155 | 1150 | ZSY400 | 155 | 1100 |
| ZDY450 | 155 | 1330 | ZLY450 | 155 | 1250 | ZSY450 | 205 | 1185 |
| ZDY500 | 155 | 1450 | ZLY500 | 205 | 1450 | ZSY500 | 205 | 1400 |
| ZDY560 | 205 | 1580 | ZLY560 | 205 | 1550 | ZSY560 | 205 | 1520 |
| | | | ZLY630 | 205 | 1650 | ZSY630 | 205 | 1600 |
| | | | ZLY710 | 205 | 1780 | ZSY710 | 205 | 1720 |

备注：

1．较大机型减速机（末级中心距 a≥400）或重要场合，建议采用强制润滑

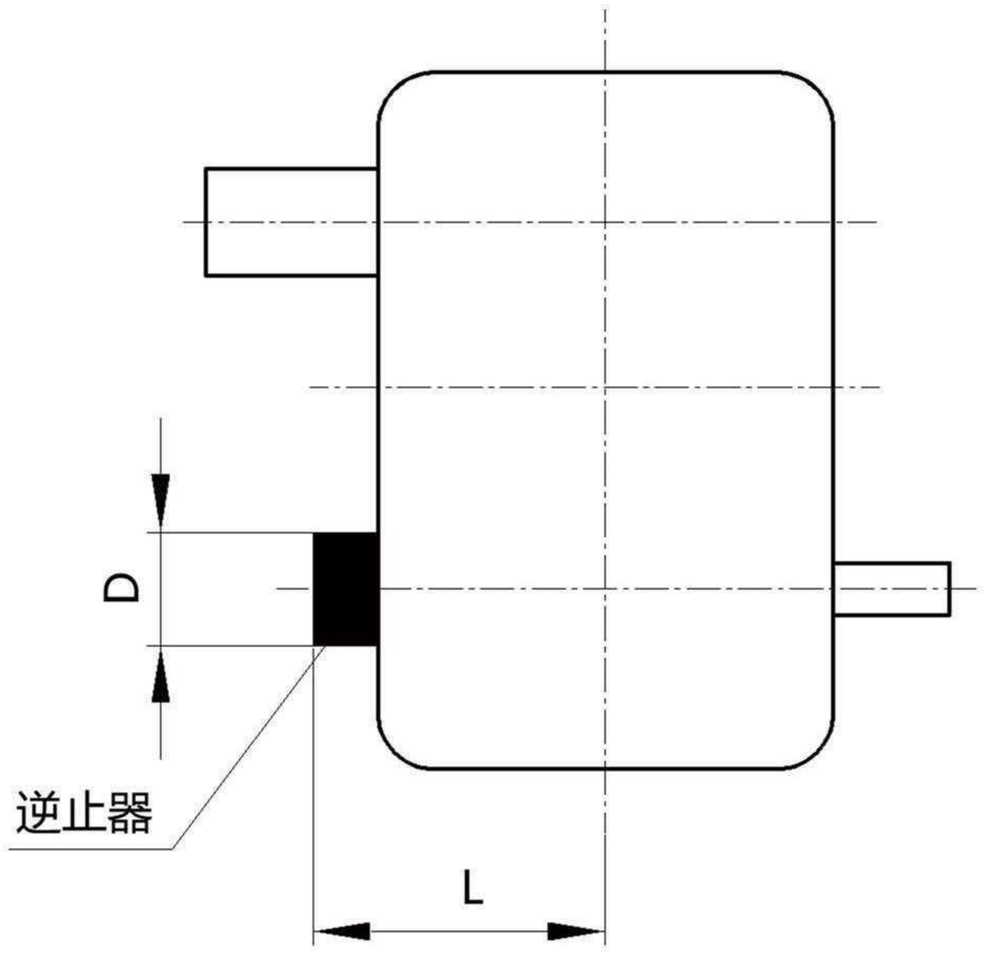
2．ZDY、ZLY 减速机推荐配置油冷却器，ZSY 减速机传动比大于 40 时一般不需配置冷却器

3．重要场合润滑系统中可配置油流信号器

4．电机泵、油冷却器、油流信号器不在标准供货范围内，如需配置，订货时必须说明

# 附录 E 附件 逆止器

附图 E1 逆止器安装




附表 E1 逆止器安装尺寸

| | i | D | L |
|---|---|---|---|
| ZLY112 | | Φ90 | 155 |
| ZLY125 | 6.3-11.2 | Φ100 | 180 |
| | 12.5-20 | Φ90 | 173 |
| ZLY140 | 6.3-11.2 | Φ110 | 189 |
| | 12.5-20 | Φ100 | 182 |
| ZLY160 | 6.3-11.2 | Φ125 | 193 |
| | 12.5-20 | Φ100 | 193 |
| ZLY180 | 6.3-11.2 | Φ130 | 196 |
| | 12.5-20 | Φ110 | 203 |
| ZLY200 | 6.3-11.2 | Φ150 | 221 |
| | 12.5-20 | Φ125 | 213 |
| ZLY224 | 6.3-11.2 | Φ160 | 236 |
| | 12.5-20 | Φ130 | 226 |
| ZLY250 | 6.3-11.2 | Φ175 | 272 |
| | 12.5-20 | Φ160 | 249 |
| ZLY280 | 6.3-11.2 | Φ190 | 298 |
| | 12.5-20 | Φ175 | 299 |
| ZLY315 | 6.3-11.2 | Φ210 | 333 |
| | 12.5-20 | Φ175 | 319 |

| | i | D | L |
|---|---|---|---|
| ZSY160 | 22.4-71 | Φ90 | 173 |
| | 80-100 | Φ68 | 168 |
| ZSY180 | 22.4-71 | Φ100 | 193 |
| | 80-100 | Φ90 | 186 |
| ZSY200 | 22.4-71 | Φ110 | 213 |
| | 80-100 | Φ90 | 199 |
| ZSY224 | 22.4-71 | Φ125 | 219 |
| | 80-100 | Φ100 | 215 |
| ZSY250 | 22.4-71 | Φ130 | 236 |
| | 80-100 | Φ110 | 243 |
| ZSY280 | 22.4-71 | Φ150 | 269 |
| | 80-100 | Φ110 | 269 |
| ZSY315 | 22.4-71 | Φ150 | 286 |
| | 80-100 | Φ125 | 282 |
| ZSY355 | 22.4-71 | Φ190 | 342 |
| | 80-100 | Φ150 | 314 |
| ZSY400 | 22.4-71 | Φ190 | 368 |
| | 80-100 | Φ160 | 345 |
| ZSY450 | 22.4-71 | Φ190 | 403 |
| | 80-100 | Φ175 | 403 |

备注：

1．配置逆止器时，必须指定面对输出轴端的工作旋转方向

2．装配型式为 V、VI、VII 型时，请与我们联系

# 附录 F 工作油温校核

自然冷却时工作油温校核

a) 表 9 至表 12 中热功率 $P_{G1}$ 的数值是按下列计算条件得到：

（1）减速机连续工作

（2）工作平衡温度$\theta_{ymax} = 95℃$

（3）环境温度$\theta_0 = 20℃$

b) 热平衡校核：$P_{2t} = P_2 \times f_1 \times f_2 \times f_3 = P_{G1}$时，工作油温$\theta_y \approx 95℃$，

$P_{2t} = 0.8P_{G1}$时，工作油温$\boldsymbol{\theta_y \approx 80℃}$

由此可见，即使通过了热功率校核，减速机的工作平衡温度仍然很高，如用户对工作油温有要求时，请按以下公式校核油温。

c) 工作油温校核：

$$\theta_y \approx \frac{P_{2t}}{P_{G1}} \times 75 + \theta_0$$

# DBY/DCY系列 圆锥圆柱齿轮减速机

## 1 概述

圆锥圆柱齿轮减速机为输入与输出轴相互垂直状态的外啮合齿轮传动装置，主要传动零件采用优质合金钢制造。齿轮经渗碳淬火后精密磨齿工艺制造。产品具有承载能力高、寿命长、体积小、效率高、重量轻等优点。

本系列减速机按 JB/T 9002-1999 标准设计制造，可取代 SS 型垂直轴减速机和 ZQ、ZL 等系列减速机，亦可替代同类型国外进口减速机。

## 2 适用范围

本系列减速机适用于输入与输出方向为垂直布置的传动场合，主要用于带式输送机等各种输送机械，也可用于冶金、矿山、化工、煤炭、建材、轻工、石油等各种通用机械。

本系列减速机适用条件如下，不满足下列条件时敬请技术咨询：

**a) 减速机输入轴最高转速不大于 1500r/min；**

**b) 齿轮圆周线速度不大于 20m/s；**

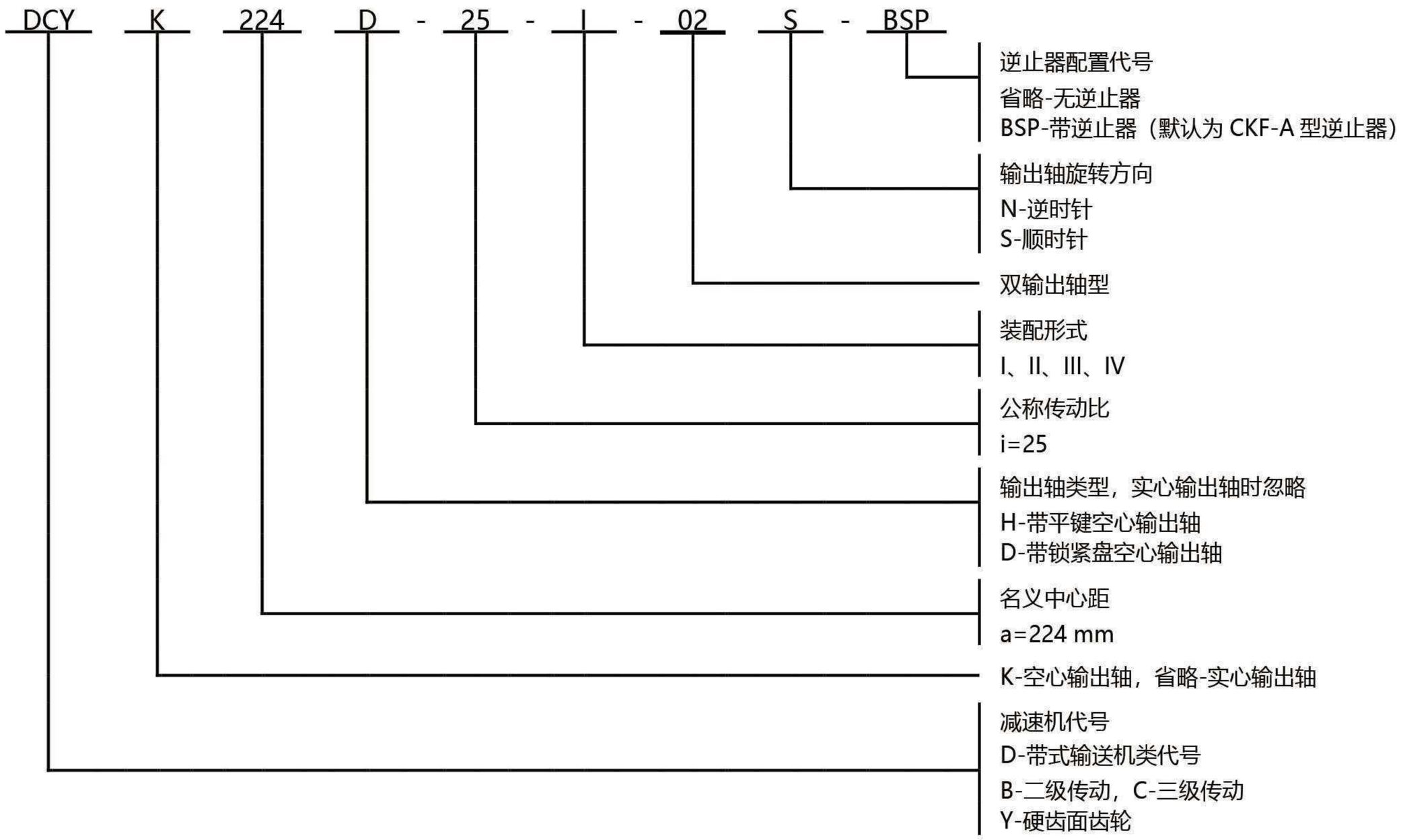
**c) 工作环境温度为-40～+45℃，当环境温度低于 0℃时，启动前润滑油应加热（另配电加热器）。**

## 3 型式标记

DBY 型减速机为二级传动硬齿面齿轮减速机，DCY 型减速机为三级传动硬齿面齿轮减速机；第一级为格里森弧齿锥齿轮传动，第二、三级为渐开线圆柱斜齿轮传动。

减速机的代号标记中包括：减速机型号、公称中心距、公称传动比、装配形式和输出轴旋转方向。

标记示例：



## 4 装配形式

图 1 DBY 减速机装配形式

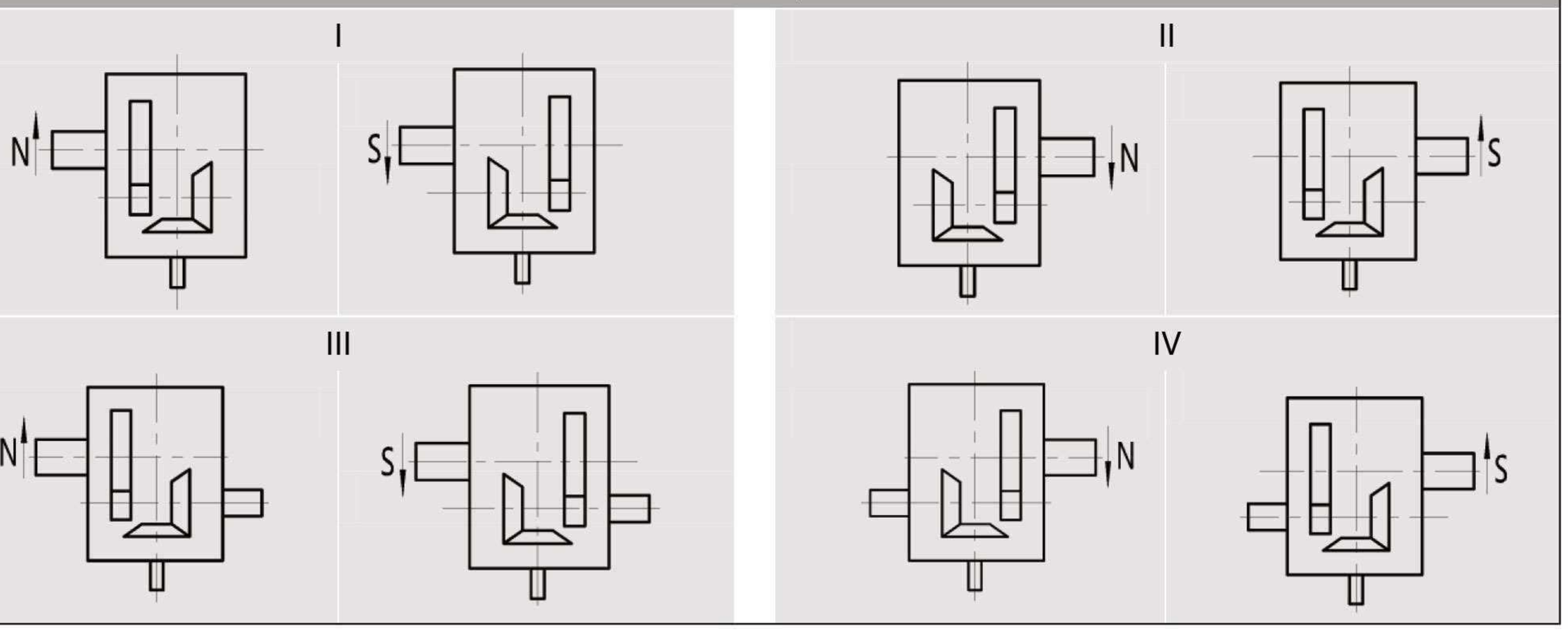
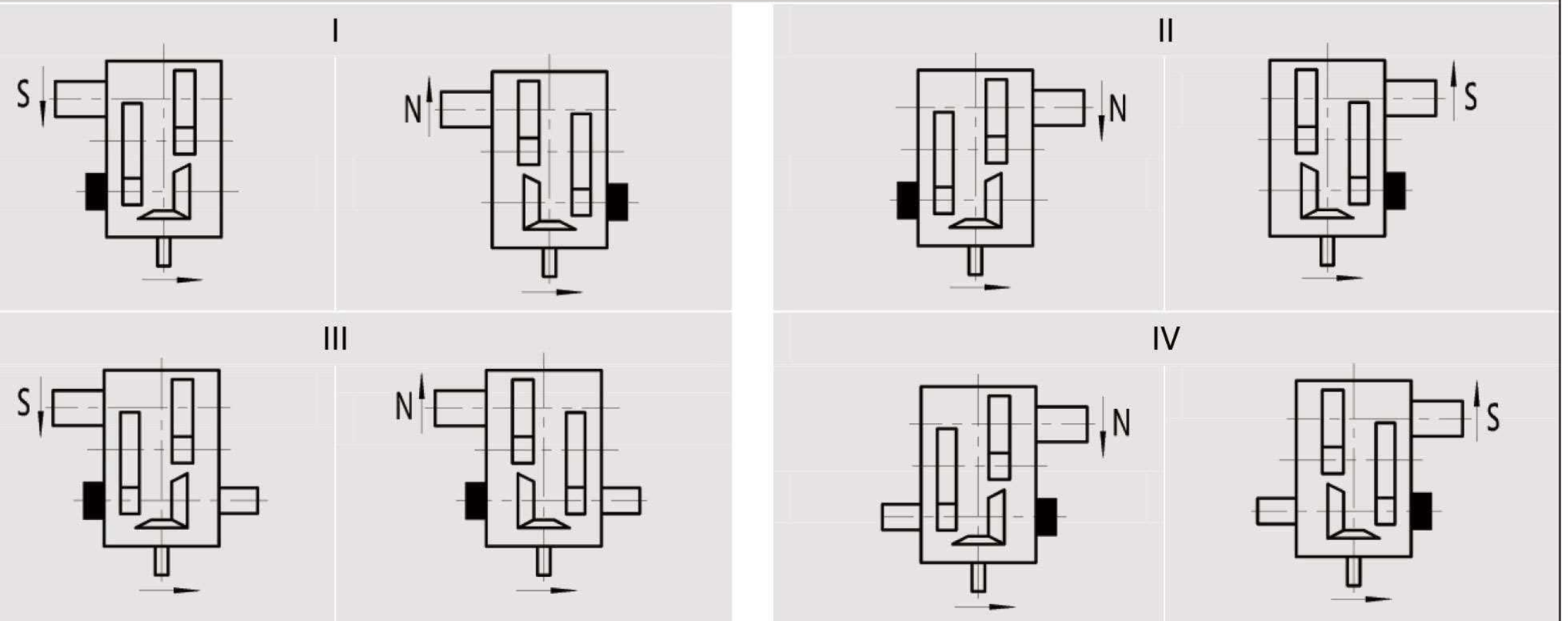
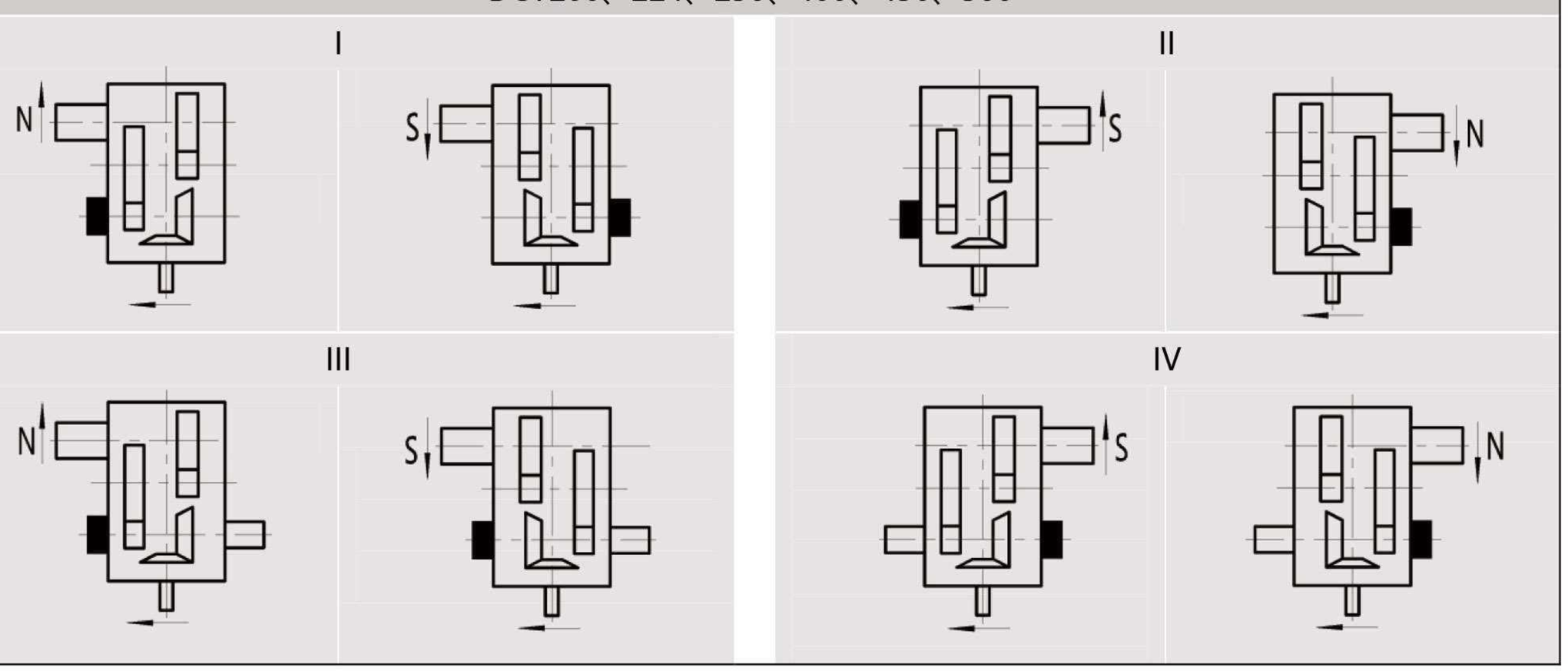



图 2 DCY 减速机装配形式

DCY160、180、280、315、355、560、630、710、800




DCY200、224、250、400、450、500




注：涂黑部分表示逆止器位置

# 5 外形尺寸与承载能力

## 5.1 DBY 减速机

图 3 DBY 减速机外形尺寸示意图

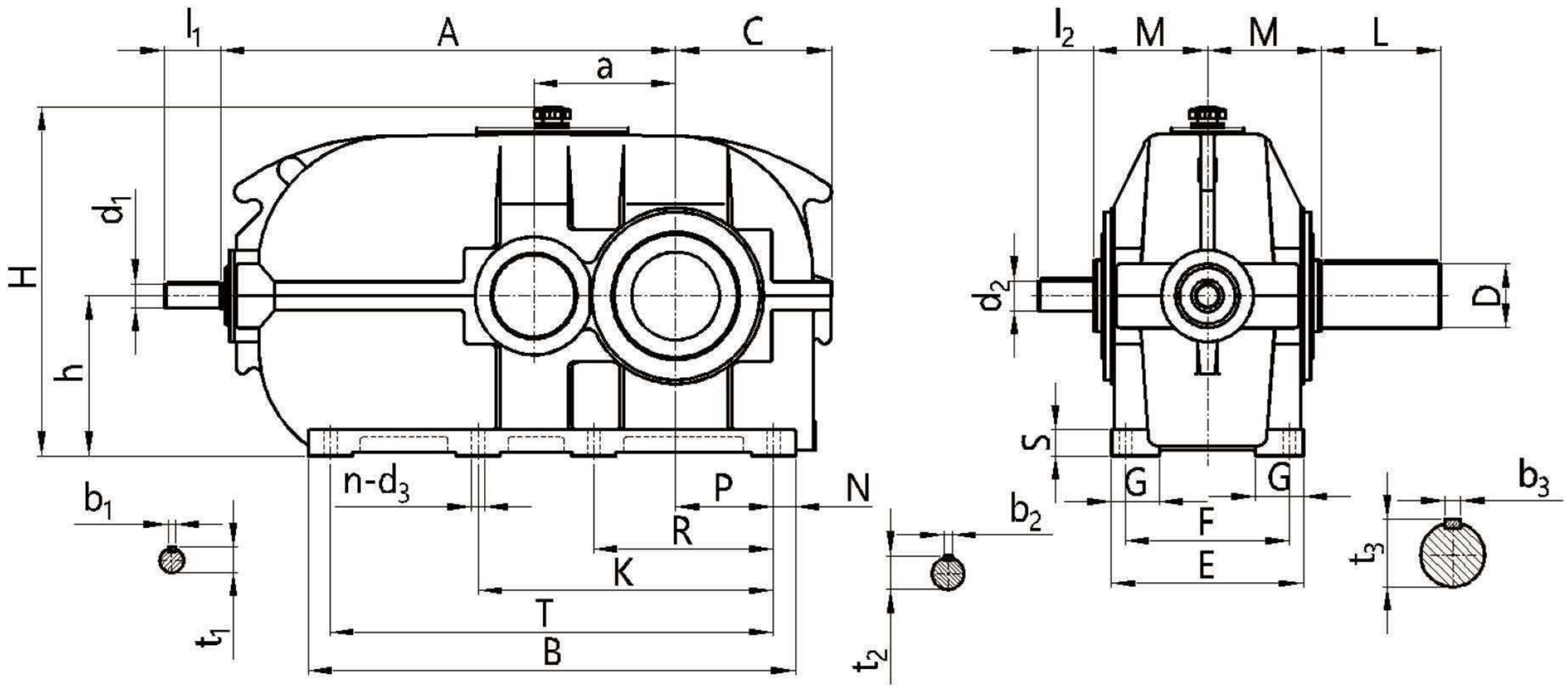



表 1 DBY 减速机外形尺寸表 单位为毫米

| 名义中心距 a | $d_1$ | $l_1$ | $d_2$ | $l_2$ | D | L | A | B | C | E | F | G | S | h | H | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 40 | 110 | 48 | 110 | 70 | 140 | 500 | 500 | 190 | 250 | 210 | 65 | 35 | 180 | 430 | 145 |
| 180 | 42 | | 50 | | 80 | 170 | 565 | 565 | 215 | 270 | 230 | 70 | | 200 | 475 | 160 |
| 200 | 50 | | 55 | | 90 | | 625 | 625 | 240 | 300 | 250 | 75 | 40 | 225 | 520 | 175 |
| 224 | 55 | | 65 | 140 | 100 | 210 | 705 | 705 | 260 | 320 | 270 | 80 | 45 | 250 | 570 | 190 |
| 250 | 60 | 140 | 75 | | 110 | | 785 | 785 | 290 | 370 | 310 | 90 | 50 | 280 | 626 | 210 |
| 280 | 65 | | 85 | 170 | 120 | | 875 | 875 | 325 | 400 | 340 | 100 | 55 | 315 | 702 | 230 |
| 315 | 75 | | 95 | | 140 | 250 | 975 | 975 | 355 | 450 | 380 | 110 | 60 | 355 | 809 | 260 |
| 355 | 90 | 170 | 100 | 210 | 160 | 300 | 1085 | 1085 | 390 | 480 | 410 | 120 | 65 | 400 | 900 | 285 |
| 400 | 100 | 210 | 110 | | 170 | | 1215 | 1215 | 440 | 530 | 460 | 130 | 70 | 450 | 970 | 305 |
| 450 | 110 | | 130 | 250 | 190 | 350 | 1365 | 1365 | 490 | 600 | 510 | 140 | 80 | 500 | 1071 | 345 |
| 500 | 120 | | 150 | | 220 | | 1525 | 1525 | 570 | 650 | 560 | 150 | 90 | 560 | 1210 | 435 |
| 560 | 130 | 250 | 160 | 300 | 250 | 410 | 1705 | 1705 | 610 | 750 | 640 | 160 | 100 | 630 | 1325 | 475 |

| 名义中心距 a | $n-d_3$ | N | P | R | K | T | $b_1$ | $t_1$ | $b_2$ | $t_2$ | $b_3$ | $t_3$ | 平均重量(kg) | 油量(L) | 图号 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 6-18 | 30 | 115 | 210 | | 440 | 12 | 43 | 14 | 51.5 | 20 | 74.5 | 173 | 7 | DBY160 |
| 180 | | | 135 | 240 | | 505 | | 45 | | 53.5 | 22 | 85 | 232 | 9 | DBY180 |
| 200 | 6-23 | 35 | 145 | 255 | | 555 | 14 | 53.5 | 16 | 59 | 25 | 95 | 305 | 13 | DBY200 |
| 224 | | | 165 | 290 | | 635 | 16 | 59 | 18 | 69 | 28 | 106 | 415 | 18 | DBY224 |
| 250 | 6-27 | 40 | 180 | 315 | | 705 | 18 | 64 | 20 | 79.5 | | 116 | 573 | 25 | DBY250 |
| 280 | | 45 | 200 | 355 | | 785 | | 69 | 22 | 90 | 32 | 127 | 760 | 36 | DBY280 |
| 315 | 6-33 | 50 | 220 | 405 | | 875 | 20 | 79.5 | 25 | 100 | 36 | 148 | 1020 | 51 | DBY315 |
| 355 | | 55 | 245 | 450 | | 975 | 25 | 95 | 28 | 106 | 40 | 169 | 1436 | 69 | DBY355 |
| 400 | | | 280 | 510 | | 1105 | 28 | 106 | | 116 | | 179 | 1966 | 95 | DBY400 |
| 450 | 8-39 | 60 | 315 | 575 | 940 | 1245 | | 116 | 32 | 137 | 45 | 200 | 2532 | 130 | DBY450 |
| 500 | | 70 | 350 | 645 | 1050 | 1385 | 32 | 127 | 36 | 158 | 50 | 231 | 3633 | 185 | DBY500 |
| 560 | 8-45 | 80 | 390 | 715 | 1165 | 1545 | | 137 | 40 | 169 | 56 | 262 | 5020 | 260 | DBY560 |

表 2 DBY、DBYK 减速机承载能力表

| 公称传动比 | 公称转速 (r/min) | | 名义中心距 a | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 |
| i | 输入 $n_1$ | 输出 $n_2$ | 公称输入功率 $P_1$(kW) | | | | | | | | | | | |
| 8 | 1500 | 188 | 81 | 115 | 145 | 205 | 320 | 435 | 610 | 750 | 1080 | 1680* | 2100* | |
| | 1000 | 125 | 56 | 86 | 110 | 155 | 245 | 325 | 465 | 560 | 810 | 1260 | 1700* | 2200* |
| | 750 | 94 | 42 | 55 | 88 | 125 | 185 | 250 | 340 | 465 | 660 | 950 | 1400 | 1800 |
| 10 | 1500 | 150 | 67 | 92 | 130 | 165 | 255 | 345 | 480 | 610 | 910 | 1370 | 1900* | |
| | 1000 | 100 | 44 | 69 | 94 | 125 | 195 | 260 | 360 | 465 | 620 | 950 | 1270 | 1700 |
| | 750 | 75 | 34 | 46 | 73 | 105 | 155 | 210 | 295 | 380 | 510 | 710 | 950 | 1300 |
| 11.2 | 1500 | 134 | 59 | 81 | 115 | 150 | 235 | 325 | 450 | 560 | 840 | 1200 | 1550* | |
| | 1000 | 89 | 40 | 61 | 84 | 130 | 175 | 245 | 340 | 430 | 630 | 810 | 1030 | 1380 |
| | 750 | 67 | 31 | 41 | 65 | 98 | 140 | 185 | 240 | 350 | 470 | 610 | 780 | 1040 |
| 12.5 | 1500 | 120 | 53 | 75 | 105 | 140 | 210 | 285 | 390 | 500 | 760 | 980 | 1260 | 1550 |
| | 1000 | 80 | 36 | 56 | 74 | 105 | 145 | 215 | 265 | 380 | 480 | 660 | 850 | 1110 |
| | 750 | 60 | 27 | 36 | 56 | 76 | 110 | 150 | 190 | 270 | 365 | 500 | 640 | 840 |
| 14 | 1500 | 107 | 48 | 66 | 81 | 125 | 190 | 260 | 345 | 465 | 580 | 780 | 1000 | 1150 |
| | 1000 | 71 | 31 | 42 | 54 | 84 | 110 | 165 | 205 | 310 | 415 | 520 | 680 | 900 |
| | 750 | 53 | 23 | 31 | 38 | 60 | 80 | 115 | 145 | 235 | 310 | 400 | 510 | 690 |

注：*需采用循环油润滑

表 3 DBY、DBYK 减速机热功率表

| 环境条件 | 空气流速 (m/s) | 名义中心距 a | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 |
| | | 减速机不附加冷却装置的热功率 $P_{G1}$(kW) | | | | | | | | | | | |
| 狭小车间内 | ≥0.5 | 32 | 40 | 50 | 61 | 76 | 95 | 118 | 143 | 180 | 225 | 279 | 355 |
| 中、大型车间内 | ≥1.4 | 45 | 57 | 71 | 85 | 106 | 133 | 165 | 201 | 252 | 316 | 391 | 497 |
| 室外 | ≥3.7 | 62 | 77 | 96 | 116 | 144 | 181 | 224 | 272 | 342 | 429 | 531 | 675 |

注：减速机附冷却管时的热功率 $P_{G2}$ 可根据需要进行设计

## 5.2 DCY 减速机

图 4　　DCY 减速机外形尺寸示意图

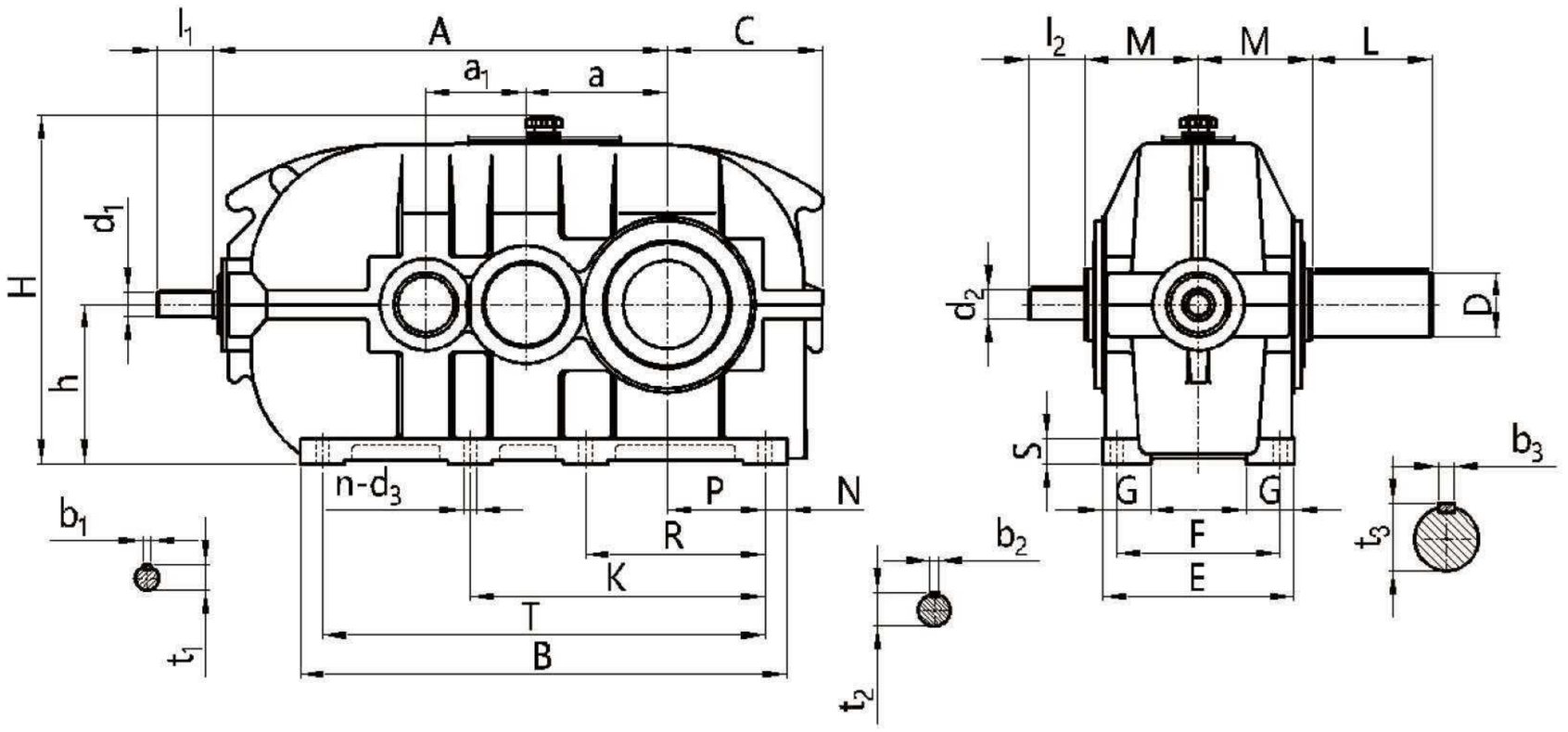



表 4　　DCY 减速机外形尺寸表　　单位为毫米

| 名义中心距 a | $a_1$ | i=16-56 | | i=63-90 | | $d_2$ | $l_2$ | D | L | A | B | C | E | F | G | S | h | H | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d_1$ | $l_1$ | $d_1$ | $l_1$ | | | | | | | | | | | | | | |
| 160 | 112 | 25 | 60 | 20 | 50 | 32 | 80 | 70 | 140 | 510 | 555 | 190 | 250 | 210 | 65 | 35 | 180 | 423 | 145 |
| 180 | 125 | 30 | 80 | 25 | 60 | 38 | | 80 | 170 | 575 | 625 | 215 | 270 | 230 | 70 | | 200 | 468 | 160 |
| 200 | 140 | 35 | | 30 | 80 | 42 | 110 | 90 | | 640 | 685 | 240 | 300 | 250 | 75 | 40 | 225 | 520 | 175 |
| 224 | 160 | 40 | 110 | 35 | | 48 | | 100 | 210 | 725 | 775 | 260 | 320 | 270 | 80 | 45 | 250 | 570 | 190 |
| 250 | 180 | 42 | | 38 | | 50 | | 110 | | 815 | 860 | 290 | 370 | 310 | 90 | 50 | 280 | 626 | 210 |
| 280 | 200 | 50 | | 42 | 110 | 55 | | 120 | | 905 | 970 | 325 | 400 | 340 | 100 | 55 | 315 | 702 | 230 |
| 315 | 224 | 55 | | 50 | | 65 | 140 | 140 | 250 | 1020 | 1085 | 355 | 450 | 380 | 110 | 60 | 355 | 809 | 260 |
| 355 | 250 | 60 | 140 | 55 | | 75 | | 160 | 300 | 1140 | 1220 | 390 | 480 | 410 | 120 | 65 | 400 | 900 | 285 |
| 400 | 280 | 65 | | 60 | 140 | 85 | 170 | 170 | | 1275 | 1355 | 440 | 530 | 460 | 130 | 70 | 450 | 970 | 305 |
| 450 | 315 | 75 | | 65 | | 95 | | 190 | 350 | 1425 | 1520 | 490 | 600 | 510 | 140 | 80 | 500 | 1065 | 345 |
| 500 | 355 | 90 | 170 | 75 | | 100 | 210 | 220 | | 1585 | 1690 | 570 | 650 | 560 | 150 | 90 | 560 | 1208 | 435 |
| 560 | 400 | 100 | 210 | 90 | 170 | 110 | | 250 | 410 | 1775 | 1895 | 610 | 750 | 640 | 160 | 100 | 630 | 1325 | 475 |
| 630 | 450 | 110 | | 100 | 210 | 130 | 250 | 300 | 470 | 1995 | 2145 | 675 | 800 | 690 | 170 | 110 | 710 | 1460 | 525 |
| 710 | 500 | 120 | | 110 | | 150 | | 340 | 550 | 2235 | 2400 | 760 | 900 | 770 | 190 | 125 | 800 | 1665 | 570 |
| 800 | 560 | 130 | 250 | 120 | | 160 | 300 | 400 | 650 | 2505 | 2700 | 840 | 1000 | 870 | 200 | 140 | 900 | 1870 | 625 |

| 名义中心距 a | $n\text{-}d_3$ | N | P | R | K | T | i=16-56 | | i=63-90 | | $b_2$ | $t_2$ | $b_3$ | $t_3$ | 平均重量 (kg) | 油量 (L) | 图号 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | $b_1$ | $t_1$ | $b_1$ | $t_1$ | | | | | | | |
| 160 | 6-18 | 30 | 115 | 210 | | 495 | 8 | 28 | 6 | 22.5 | 10 | 35 | 20 | 74.5 | 200 | 9 | DCY160 |
| 180 | | | 135 | 240 | | 565 | | 33 | 8 | 28 | | 41 | 22 | 85 | 255 | 13 | DCY180 |
| 200 | 6-23 | 35 | 145 | 255 | | 615 | 10 | 38 | | 33 | 12 | 45 | 25 | 95 | 325 | 18 | DCY200 |
| 224 | | | 165 | 290 | | 705 | 12 | 43 | 10 | 38 | 14 | 51.5 | 28 | 106 | 453 | 26 | DCY224 |
| 250 | 6-27 | 40 | 180 | 315 | | 780 | | 45 | | 41 | | 53.5 | | 116 | 586 | 33 | DCY250 |
| 280 | | 45 | 200 | 355 | | 880 | 14 | 53.5 | 12 | 45 | 16 | 59 | 32 | 127 | 837 | 46 | DCY280 |
| 315 | 8-33 | 50 | 220 | 405 | 655 | 985 | 16 | 59 | 14 | 53.5 | 18 | 69 | 36 | 148 | 1100 | 65 | DCY315 |
| 355 | | 55 | 245 | 450 | 740 | 1110 | 18 | 64 | 16 | 59 | 20 | 79.5 | 40 | 169 | 1550 | 90 | DCY355 |
| 400 | 8-39 | | 280 | 510 | 840 | 1245 | | 69 | 18 | 64 | 22 | 90 | | 179 | 1967 | 125 | DCY400 |
| 450 | | 60 | 315 | 575 | 940 | 1400 | 20 | 79.5 | | 69 | 25 | 100 | 45 | 200 | 2675 | 180 | DCY450 |
| 500 | 8-45 | 70 | 350 | 645 | 1050 | 1550 | 25 | 95 | 20 | 79.5 | 28 | 106 | 50 | 231 | 4340 | 240 | DCY500 |
| 560 | | 80 | 390 | 715 | 1165 | 1735 | 28 | 106 | 25 | 95 | | 116 | 56 | 262 | 5320 | 335 | DCY560 |
| 630 | | | 445 | 800 | 1305 | 1985 | | 116 | 28 | 106 | 32 | 137 | 70 | 314 | 7170 | 480 | DCY630 |
| 710 | | 90 | 500 | 900 | 1490 | 2220 | 32 | 127 | | 116 | 36 | 158 | 80 | 355 | 9600 | 690 | DCY710 |
| 800 | | | 560 | 1100 | 1680 | 2520 | | 137 | 32 | 127 | 40 | 169 | 90 | 417 | 13340 | 940 | DCY800 |

表 5　　DCY、DCYK 减速机承载能力表

| 公称传动比 i | 公称转速 (r/min) | | 名义中心距 a | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 | 710 | 800 |
| | 输入 | 输出 | 公称输入功率 $P_1$(KW) | | | | | | | | | | | | | | |
| 16 | 1500 | 94 | 45 | 61 | 80 | 120 | 160 | 230 | 305 | 440 | 600* | 830* | 1350* | 1850* | | | |
| | 1000 | 63 | 30 | 43 | 60 | 85 | 115 | 170 | 230 | 330 | 440 | 630 | 1010 | 1420* | 2200* | 2500* | 2850* |
| | 750 | 47 | 24 | 35 | 45 | 70 | 85 | 140 | 185 | 270 | 360 | 510 | 830 | 1180 | 1600 | 2300* | 2600* |
| 18 | 1500 | 83 | 42 | 58 | 75 | 110 | 150 | 210 | 290 | 440 | 560 | 780* | 1350* | 1850* | | | |
| | 1000 | 56 | 30 | 40 | 53 | 75 | 105 | 155 | 215 | 330 | 420 | 590 | 1000 | 1400* | 1860* | 2500* | 2850* |
| | 750 | 42 | 23 | 32 | 42 | 65 | 80 | 120 | 175 | 260 | 345 | 480 | 790 | 1120 | 1460 | 2180* | 2500* |
| 20 | 1500 | 75 | 39 | 53 | 68 | 100 | 135 | 195 | 270 | 430 | 550 | 780* | 1320* | 1800* | | | |
| | 1000 | 50 | 27 | 36 | 48 | 70 | 95 | 140 | 200 | 315 | 380 | 550 | 880 | 1240* | 1640* | 2400* | 2850* |
| | 750 | 38 | 20 | 25 | 38 | 55 | 75 | 110 | 160 | 245 | 310 | 445 | 700 | 1000 | 1290 | 1920* | 2500* |
| 22.4 | 1500 | 67 | 34 | 50 | 65 | 94 | 130 | 175 | 250 | 400 | 510 | 730 | 1170* | 1540* | | | |
| | 1000 | 45 | 23 | 34 | 48 | 65 | 90 | 130 | 185 | 290 | 360 | 520 | 780 | 1100 | 1450 | 2120* | 2600* |
| | 750 | 33 | 17 | 25 | 36 | 49 | 70 | 95 | 140 | 220 | 275 | 400 | 620 | 880 | 1140 | 1710* | 2460* |
| 25 | 1500 | 60 | 30 | 44 | 62 | 83 | 115 | 160 | 225 | 350 | 450 | 650 | 1030 | 1460* | | | |
| | 1000 | 40 | 20 | 30 | 42 | 57 | 80 | 110 | 165 | 255 | 315 | 460 | 730 | 1040 | 1350 | 2010* | 2600* |
| | 750 | 30 | 15 | 23 | 32 | 43 | 60 | 85 | 125 | 195 | 240 | 350 | 550 | 780 | 1010 | 1510 | 2180* |
| 28 | 1500 | 54 | 22 | 37 | 48 | 75 | 92 | 140 | 215 | 320 | 405 | 590 | 910 | 1290* | | | |
| | 1000 | 36 | 15 | 25 | 34 | 52 | 66 | 94 | 150 | 225 | 285 | 420 | 640 | 910 | 1190 | 1770* | 2500* |
| | 750 | 27 | 12 | 19 | 26 | 39 | 50 | 71 | 115 | 170 | 215 | 315 | 490 | 690 | 890 | 1330 | 1920 |
| 31.5 | 1500 | 48 | 20 | 33 | 44 | 69 | 85 | 120 | 195 | 290 | 385 | 550 | 820 | 1170 | | | |
| | 1000 | 32 | 14 | 22 | 31 | 46 | 59 | 83 | 130 | 200 | 255 | 370 | 580 | 820 | 1070 | 1600 | 2310* |
| | 750 | 24 | 10 | 17 | 23 | 34 | 44 | 62 | 100 | 150 | 190 | 280 | 440 | 620 | 800 | 1200 | 1740 |
| 35.5 | 1500 | 42 | 18 | 30 | 40 | 62 | 77 | 110 | 180 | 260 | 345 | 500 | 770 | 1100 | 1430 | 2120* | |
| | 1000 | 28 | 12 | 20 | 28 | 42 | 53 | 75 | 120 | 180 | 230 | 340 | 510 | 720 | 950 | 1410 | 2030 |
| | 750 | 21 | 9 | 15 | 21 | 31 | 40 | 56 | 90 | 135 | 175 | 250 | 385 | 540 | 710 | 1060 | 1540 |
| 40 | 1500 | 38 | 17 | 27 | 36 | 56 | 69 | 98 | 160 | 235 | 310 | 450 | 690 | 990 | 1290 | 1920* | |
| | 1000 | 25 | 11 | 18 | 25 | 41 | 47 | 67 | 120 | 160 | 225 | 330 | 465 | 660 | 860 | 1280 | 1850 |
| | 750 | 19 | 8.5 | 14 | 19 | 29 | 36 | 52 | 82 | 125 | 155 | 230 | 350 | 495 | 640 | 960 | 1390 |
| 45 | 1500 | 33.5 | 15 | 24 | 33 | 50 | 64 | 90 | 145 | 215 | 275 | 400 | 620 | 880 | 1150 | 1720* | 2100* |
| | 1000 | 22 | 10 | 16 | 22 | 33 | 42 | 60 | 95 | 145 | 180 | 265 | 455 | 640 | 840 | 1250 | 1810 |
| | 750 | 16.6 | 7.5 | 12 | 17 | 26 | 32 | 46 | 74 | 110 | 140 | 205 | 320 | 455 | 600 | 870 | 1260 |
| 50 | 1500 | 30 | 13 | 21 | 30 | 44 | 57 | 80 | 130 | 195 | 245 | 360 | 550 | 780 | 1030 | 1540 | 2050 |
| | 1000 | 20 | 9 | 14 | 20 | 31 | 38 | 54 | 87 | 130 | 165 | 240 | 365 | 520 | 680 | 1020 | 1480 |
| | 750 | 15 | 7 | 11 | 15 | 23 | 29 | 41 | 65 | 99 | 120 | 180 | 290 | 410 | 540 | 780 | 1130 |
| 56 | 1500 | 27 | 12 | 19 | 26.5 | 38 | 50 | 72 | 115 | 160 | 220 | 310 | 500 | 700 | 910 | | |
| | 1000 | 18 | 8 | 13 | 17.5 | 26 | 35 | 48 | 75 | 110 | 140 | 200 | 340 | 480 | 630 | 940 | 1300 |
| | 750 | 13.4 | 6 | 10 | 13 | 20 | 25 | 35 | 58 | 85 | 110 | 160 | 250 | 350 | 470 | 680 | 980 |
| 63 | 1500 | 24 | 11 | 16 | 23 | 35 | 45 | 64 | 100 | 150 | 200 | 280 | 440 | 610 | 800 | | |
| | 1000 | 16 | 7.5 | 12 | 15 | 24 | 30 | 43 | 68 | 100 | 130 | 190 | 300 | 400 | 550 | 820 | 1080 |
| | 750 | 12 | 5.5 | 8.5 | 12 | 17 | 23 | 30 | 50 | 76 | 95 | 140 | 220 | 310 | 420 | 620 | 830 |
| 71 | 1500 | 21 | 9 | 15 | 21 | 30 | 40 | 56 | 91 | 130 | 180 | 230 | 400 | 550 | 720 | | |
| | 1000 | 14 | 6 | 9.5 | 14 | 21 | 27 | 38 | 60 | 85 | 120 | 160 | 260 | 370 | 500 | 680 | 890 |
| | 750 | 10.6 | 4.5 | 7.5 | 11 | 15.5 | 21 | 28 | 45 | 60 | 90 | 120 | 200 | 280 | 370 | 500 | 670 |
| 80 | 1500 | 18.8 | 8.5 | 12 | 19 | 27 | 38 | 50 | 73 | 110 | 160 | 210 | 340 | 480 | 600 | | |
| | 1000 | 12.5 | 5.5 | 8 | 13 | 18 | 25 | 35 | 50 | 75 | 110 | 140 | 230 | 340 | 400 | 560 | 720 |
| | 750 | 9.4 | 4.5 | 6 | 10 | 13.5 | 19 | 25.5 | 38 | 55 | 80 | 110 | 180 | 240 | 300 | 420 | 550 |
| 90 | 1500 | 16.7 | 8 | 10 | 18 | 25 | 35 | 43 | 65 | | | | | | | | |
| | 1000 | 11.1 | 5 | 6.8 | 12 | 17 | 23 | 30 | 43 | | | | | | | | |
| | 750 | 8.3 | 4 | 5 | 9 | 12.5 | 17 | 22 | 32 | | | | | | | | |

注：*需采用循环油润滑

表 6　　DCY、DCYK 减速机热功率表

| 环境条件 | 空气流速 m/s | 名义中心距 a | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 160 | 180 | 200 | 224 | 250 | 280 | 315 | 355 | 400 | 450 | 500 | 560 | 630 | 710 | 800 |
| | | 减速机不附加冷却装置的热功率 $P_{G1}$(KW) | | | | | | | | | | | | | | |
| 狭小车间内 | ≥0.5 | 22 | 27 | 34 | 41 | 52 | 65 | 81 | 99 | 124 | 156 | 192 | 245 | 299 | 384 | 482 |
| 中、大型车间内 | ≥1.4 | 31 | 38 | 48 | 58 | 73 | 91 | 114 | 139 | 174 | 218 | 270 | 343 | 419 | 537 | 675 |
| 室外 | ≥3.7 | 42 | 52 | 65 | 79 | 99 | 124 | 155 | 189 | 237 | 296 | 366 | 465 | 568 | 730 | 910 |

注：（1）减速机附冷却管时的热功率 $P_{G2}$ 可根据需要进行设计

## 5.3 DBYK 减速机

图 5 DBYK 减速机外形尺寸示意图

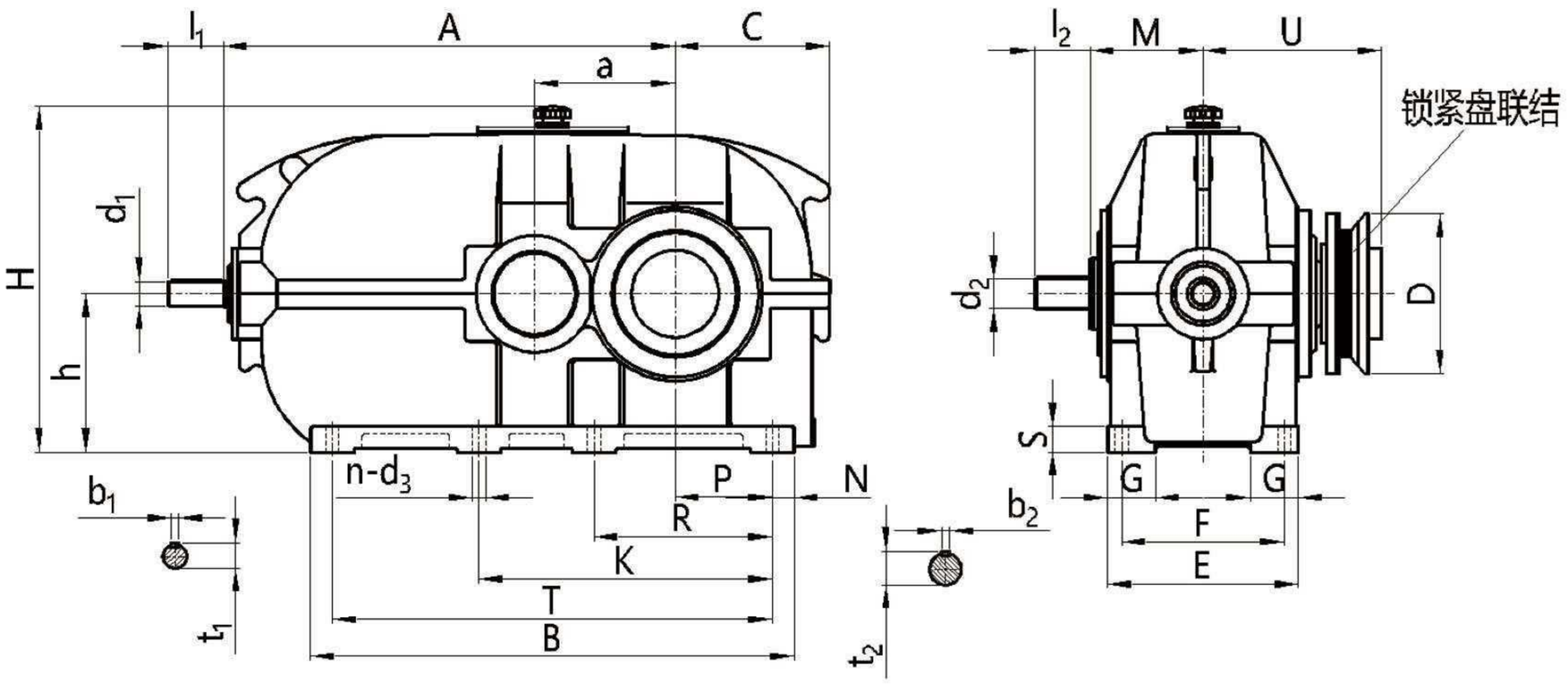



表 7 DBYK 减速机外形尺寸表 单位为毫米

| 名义中心距 a | $d_1$ | $l_1$ | $d_2$ | $l_2$ | $d_w$ | U | A | B | C | E | F | G | S | h | H | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 40 | 110 | 48 | 110 | 80 | 225 | 500 | 500 | 190 | 250 | 210 | 65 | 35 | 180 | 430 | 145 |
| 180 | 42 | | 50 | | 90 | 250 | 565 | 565 | 215 | 270 | 230 | 70 | | 200 | 475 | 160 |
| 200 | 50 | | 55 | | 100 | 275 | 625 | 625 | 240 | 300 | 250 | 75 | 40 | 225 | 520 | 175 |
| 224 | 55 | | 65 | 140 | 110 | 295 | 705 | 705 | 260 | 320 | 270 | 80 | 45 | 250 | 570 | 190 |
| 250 | 60 | 140 | 75 | | 120 | 325 | 785 | 785 | 290 | 370 | 310 | 90 | 50 | 280 | 626 | 210 |
| 280 | 65 | | 85 | 170 | 135 | 360 | 875 | 875 | 325 | 400 | 340 | 100 | 55 | 315 | 702 | 230 |
| 315 | 75 | | 95 | | 160 | 420 | 975 | 975 | 355 | 450 | 380 | 110 | 60 | 355 | 809 | 260 |
| 355 | 90 | 170 | 100 | 210 | 180 | 450 | 1085 | 1085 | 390 | 480 | 410 | 120 | 65 | 400 | 900 | 285 |
| 400 | 100 | 210 | 110 | | 200 | 490 | 1215 | 1215 | 440 | 530 | 460 | 130 | 70 | 450 | 970 | 305 |
| 450 | 110 | | 130 | 250 | 220 | 550 | 1365 | 1365 | 490 | 600 | 510 | 140 | 80 | 500 | 1071 | 345 |
| 500 | 120 | | 150 | | 280 | 715 | 1525 | 1525 | 570 | 650 | 560 | 150 | 90 | 560 | 1210 | 435 |
| 560 | 130 | 250 | 160 | 300 | 310 | 760 | 1705 | 1705 | 610 | 750 | 640 | 160 | 100 | 630 | 1325 | 475 |

| 名义中心距 a | $n-d_3$ | N | P | R | K | T | $b_1$ | $t_1$ | $b_2$ | $t_2$ | D | 平均重量 (kg) | 油量 (L) | 图号 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 160 | 6-18 | 30 | 115 | 210 | | 440 | 12 | 43 | 14 | 52 | 185 | 173 | 7 | DBYK160 |
| 180 | | | 135 | 240 | | 505 | | 45 | | 54 | 215 | 232 | 9 | DBYK180 |
| 200 | 6-23 | 35 | 145 | 255 | | 555 | 14 | 54 | 16 | 59 | 230 | 305 | 13 | DBYK200 |
| 224 | | | 165 | 290 | | 635 | 16 | 59 | 18 | 69 | 263 | 415 | 18 | DBYK224 |
| 250 | 6-27 | 40 | 180 | 315 | | 705 | 18 | 64 | 20 | 80 | 290 | 573 | 25 | DBYK250 |
| 280 | | 45 | 200 | 355 | | 785 | | 69 | 22 | 90 | 300 | 760 | 36 | DBYK280 |
| 315 | 6-33 | 50 | 220 | 405 | | 875 | 20 | 80 | 25 | 100 | 370 | 1020 | 51 | DBYK315 |
| 355 | | 55 | 245 | 450 | | 975 | 25 | 95 | 28 | 106 | 405 | 1436 | 69 | DBYK355 |
| 400 | | | 280 | 510 | | 1102 | 28 | 106 | | 116 | 430 | 1966 | 95 | DBYK400 |
| 450 | 6-39 | 60 | 315 | 575 | 940 | 1245 | | 116 | 32 | 137 | 460 | 2532 | 130 | DBYK450 |
| 500 | | 70 | 350 | 645 | 1050 | 1385 | 32 | 127 | 36 | 158 | 570 | 3633 | 185 | DBYK500 |
| 560 | 6-45 | 80 | 390 | 715 | 1165 | 1545 | | 137 | 40 | 169 | 660 | 5020 | 260 | DBYK560 |

注：空心轴套及联接轴结构见附录 A

## 5.4 DCYK 减速机

图 6 DCYK 减速机外形尺寸示意图

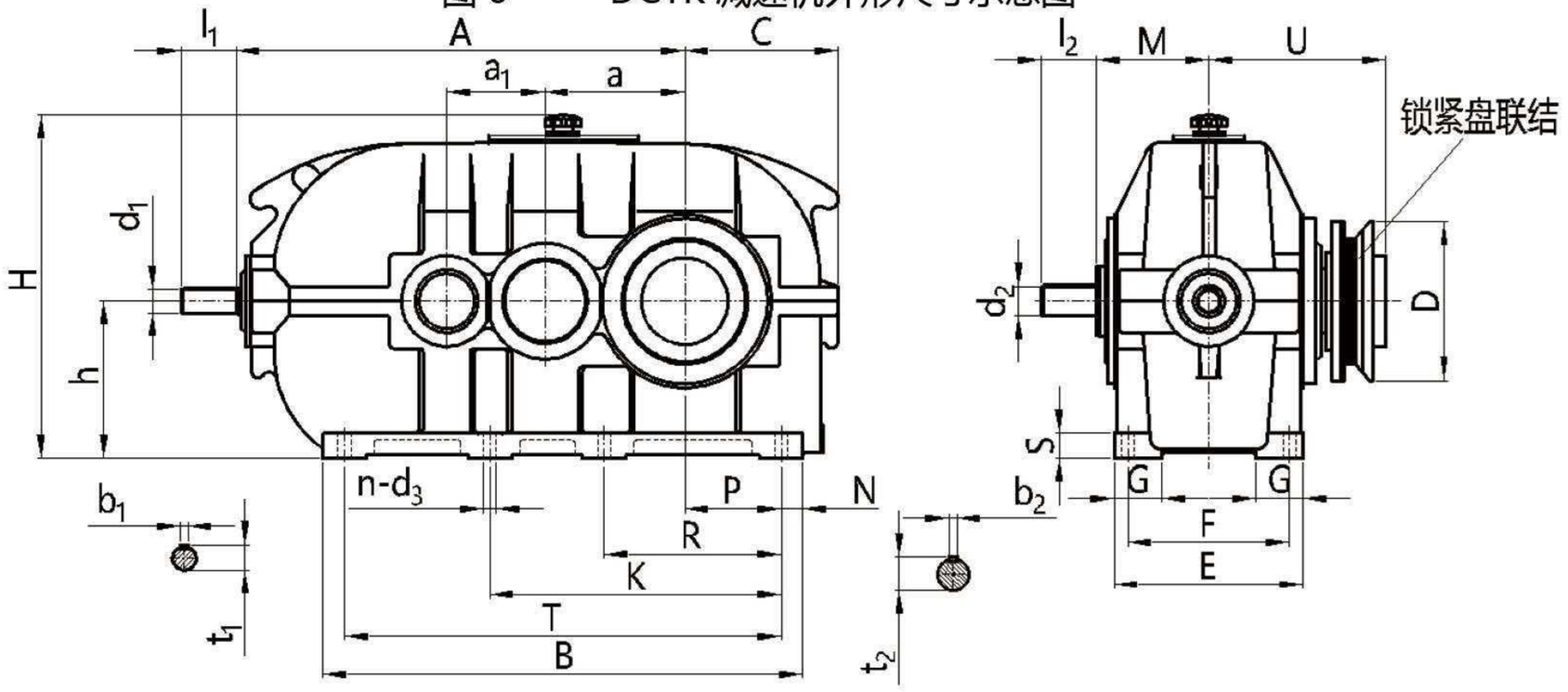



表 8 DCYK 减速机外形尺寸表 单位为毫米

| 名义中心距 a | $a_1$ | i=16-56 | | i=63-90 | | $d_2$ | $l_2$ | $d_w$ | U | A | B | C | E | F | G | S | h | H | M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | $d_1$ | $l_1$ | $d_1$ | $l_1$ | | | | | | | | | | | | | | |
| 160 | 112 | 25 | 60 | 20 | 50 | 32 | 80 | 80 | 225 | 510 | 555 | 190 | 250 | 210 | 65 | 35 | 180 | 423 | 145 |
| 180 | 125 | 30 | 80 | 25 | 60 | 38 | | 90 | 250 | 575 | 625 | 215 | 270 | 230 | 70 | | 200 | 468 | 160 |
| 200 | 140 | 35 | | 30 | 80 | 42 | 110 | 100 | 275 | 640 | 685 | 240 | 300 | 250 | 75 | 40 | 225 | 520 | 175 |
| 224 | 160 | 40 | 110 | 35 | | 48 | | 110 | 295 | 725 | 775 | 260 | 320 | 270 | 80 | 45 | 250 | 570 | 190 |
| 250 | 180 | 42 | | 38 | | 50 | | 120 | 325 | 815 | 860 | 290 | 370 | 310 | 90 | 50 | 280 | 626 | 210 |
| 280 | 200 | 50 | | 42 | 110 | 55 | | 135 | 360 | 905 | 970 | 325 | 400 | 340 | 100 | 55 | 315 | 702 | 230 |
| 315 | 224 | 55 | | 50 | | 65 | 140 | 160 | 420 | 1020 | 1085 | 355 | 450 | 380 | 110 | 60 | 355 | 809 | 260 |
| 355 | 250 | 60 | 140 | 55 | | 75 | | 180 | 450 | 1140 | 1220 | 390 | 480 | 410 | 120 | 65 | 400 | 900 | 285 |
| 400 | 280 | 65 | | 60 | 140 | 85 | 170 | 200 | 490 | 1275 | 1355 | 440 | 530 | 460 | 130 | 70 | 450 | 970 | 305 |
| 450 | 315 | 75 | | 65 | | 95 | | 220 | 550 | 1425 | 1520 | 490 | 600 | 510 | 140 | 80 | 500 | 1065 | 345 |
| 500 | 355 | 90 | 170 | 75 | | 100 | 210 | 280 | 715 | 1585 | 1690 | 570 | 650 | 560 | 150 | 90 | 560 | 1208 | 435 |
| 560 | 400 | 100 | 210 | 90 | 170 | 110 | | 310 | 760 | 1775 | 1895 | 610 | 750 | 640 | 160 | 100 | 630 | 1325 | 475 |
| 630 | 450 | 110 | | 100 | 210 | 130 | 250 | 340 | 840 | 1995 | 2145 | 675 | 800 | 690 | 170 | 110 | 710 | 1460 | 525 |
| 710 | 500 | 120 | | 110 | | 150 | | 380 | 890 | 2235 | 2400 | 760 | 900 | 770 | 190 | 125 | 800 | 1665 | 570 |
| 800 | 560 | 130 | 250 | 120 | | 160 | 300 | 420 | 955 | 2505 | 2700 | 840 | 1000 | 870 | 200 | 140 | 900 | 1870 | 625 |

| 名义中心距 a | $n-d_3$ | N | P | R | K | T | i=16-56 | | i=63-90 | | $b_2$ | $t_2$ | D | 平均重量(kg) | 油量(L) | 图号 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | $b_1$ | $t_1$ | $b_1$ | $t_1$ | | | | | | |
| 160 | 6-18 | 30 | 115 | 210 | | 495 | 8 | 28 | 6 | 22.5 | 10 | 35 | 185 | 200 | 9 | DCYK160 |
| 180 | | | 135 | 240 | | 565 | | 33 | 8 | 28 | | 41 | 215 | 255 | 13 | DCYK180 |
| 200 | 6-23 | 35 | 145 | 255 | | 615 | 10 | 38 | | 33 | 12 | 45 | 230 | 325 | 18 | DCYK200 |
| 224 | | | 165 | 290 | | 705 | 12 | 43 | 10 | 38 | 14 | 51.5 | 263 | 453 | 26 | DCYK224 |
| 250 | 6-27 | 40 | 180 | 315 | | 780 | | 45 | | 41 | | 53.5 | 290 | 586 | 33 | DCYK250 |
| 280 | | 45 | 200 | 355 | | 880 | 14 | 53.5 | 12 | 45 | 16 | 59 | 300 | 837 | 46 | DCYK280 |
| 315 | 8-33 | 50 | 220 | 405 | 655 | 985 | 16 | 59 | 14 | 53.5 | 18 | 69 | 370 | 1100 | 65 | DCYK315 |
| 355 | | 55 | 245 | 450 | 740 | 1110 | 18 | 64 | 16 | 59 | 20 | 79.5 | 405 | 1550 | 90 | DCYK355 |
| 400 | 8-39 | | 280 | 510 | 840 | 1245 | | 69 | 18 | 64 | 22 | 90 | 430 | 1967 | 125 | DCYK400 |
| 450 | | 60 | 315 | 575 | 940 | 1400 | 20 | 79.5 | | 69 | 25 | 100 | 460 | 2675 | 180 | DCYK450 |
| 500 | 8-45 | 70 | 350 | 645 | 1050 | 1550 | 25 | 95 | 20 | 79.5 | 28 | 106 | 570 | 4340 | 240 | DCYK500 |
| 560 | | 80 | 390 | 715 | 1165 | 1735 | 28 | 106 | 25 | 95 | | 116 | 660 | 5320 | 335 | DCYK560 |
| 630 | | | 445 | 800 | 1305 | 1985 | | 116 | 28 | 106 | 32 | 137 | 690 | 7170 | 480 | DCYK630 |
| 710 | | 90 | 500 | 900 | 1490 | 2220 | 32 | 127 | | 116 | 36 | 158 | 770 | 9600 | 690 | DCYK710 |
| 800 | | | 560 | 1100 | 1680 | 2520 | | 137 | 32 | 127 | 40 | 169 | 850 | 13340 | 940 | DCYK800 |

注：空心轴套及联接轴结构见附录 A

## 6 减速机的润滑

**a) 减速机**

一般采用油池润滑，自然冷却。当减速机工作平衡温度超过 90℃，或承载功率超过热功率 PG1 时，可采用循环油润滑，或采用加冷却管的油池润滑。当减速机连续停机超过 24h 后再启动时，应使齿轮和轴承润滑正常后再带负荷运转。减速机润滑油应选用 GB/T5903 标准中的 L-CKD220、L-CKD320。

**b) 轴承**

一般采用飞溅润滑，润滑油与齿轮油品质相同。

## 7 安装、使用与维护

**a) 安装**



减速机的输入轴轴线和输出轴轴线，与联接部分的轴线保证同轴，其误差不得大于所用联轴器的允许值。

由于采用硬齿面，中心距缩小造成输入轴轴颈减小，往往比相配套的电机轴细。当采用液力耦合器传动时，因安装误差引起两连接不同轴，给较细的输入轴的危险截面造成过大的附加应力而出现断轴的可能。为此，建议用户在设计选用时，把液力耦合器安装在电机轴端。

安装好后，箱体内必须注入润滑油，油面应达到规定高度（油标中心线）。

**b) 使用**

减速机在正式使用前，用手转动，必须灵活，无卡住现象，然后进行空载运转，时间不得少于 2 小时。运转应平稳，无冲击、振动、杂声及漏油等现象，发现故障应及时排除。

**c) 维护**

首次注入的润滑油需在运转 300-600 小时后更换。此后每运转 3000-5000 小时更换一次，最长更换时间不应超出 18 个月。

在运转中，出现油温突然升高及不正常噪声时，应立即停车检查。在正确排除故障后方可再次投入运转。

# 8 减速机的选用

选用减速机时，承载能力必须通过机械功率和热功率校核计算，选用步骤如下：

## 8.1 机械功率校核计算

### 1） 确定减速机的传动比按式（1）：

$$i = \frac{n_1}{n_2} \quad \text{.....(1)}$$

式中：$n_1$——输入转速，r/min；

$n_2$——输出转速，r/min 。

### 2） 确定减速机的参数

选型计算：确定减速机的名义中心距按式（2）：

$$P_1 \geq P_2 \cdot K_A \cdot S_A \quad \text{.....(2)}$$

式中：$P_1$——减速机公称输入功率，按表 2、表 5，kW；

$P_2$——减速机所联接的工作机械所需用功率，kW；

$K_A$——工作机械工况系数，表 9；

$S_A$——减速机安全系数，表 10 。

验算起动转矩按式（3）：

$$\frac{T_K \cdot n_1}{P_1 \cdot 9550} \leq 2.5 \quad \text{.....(3)}$$

式中：$T_K$——启动转矩或最大输入转矩，$N \cdot m$

表 9 工作机械情况系数$K_A$

| 原动机 | 每天工作小时数 | 载荷种类 | | |
|---|---|---|---|---|
| | | 平稳载荷 U | 中等冲击载荷 M | 重型冲击载荷 H |
| 电动机、涡轮机 | ≤3 | 1 | 1 | 1.5 |
| | > 3-10 | 1.25 | 1.25 | 1.75 |
| | ≥10-24 | 1.25 | 1.5 | 2 |
| 4-6 缸活塞发动机 | ≤3 | 1 | 1.25 | 1.75 |
| | > 3-10 | 1.25 | 1.5 | 2 |
| | ≥10-24 | 1.5 | 1.75 | 2.25 |
| 1-3 缸活塞发动机 | ≤3 | 1.25 | 1.5 | 2 |
| | > 3-10 | 1.5 | 1.75 | 2.25 |
| | ≥10-24 | 1.75 | 2 | 2.25 |

注：每天连续工作 24 小时，上表系数应乘以 1.1。

表 10 减速机安全系数$S_A$

| 重要性与安全要求 | 一般设备，减速机失效仅引起单机停产且易更换设备 | 重要设备，减速机失效仅引起机组、生产线或全场停产 | 高度安全要求，减速机失效引起设备、人身事故 |
|---|---|---|---|
| $S_A$ | 1.1-1.3 | 1.3-1.5 | 1.5-1.7 |

## 8.2 热功率校核计算

当减速机不附加外冷却装置时按式（4）进行校核：

$$P_2 \leq P_{G1} \cdot f_w \cdot f_A \quad \text{.....(4)}$$

如果，$P_2 > P_{G1} \cdot f_w \cdot f_A$ 时，则必须重新选用增大一级中心距的减速机或提供附加冷却管进行冷却。

当减速机附加散热器冷却时按式（5）进行校核：

$$P_2 \leq P_{G2} \cdot f_w \cdot f_A \quad \text{.....(5)}$$

式中：$P_{G1}$；$P_{G2}$——减速机热功率，表 3，表 6，kW；

$f_w$——环境温度系数，表 11；

$f_A$——功率利用系数，表 12 。



表 11　　环境温度系数$f_w$

| 冷却方式 | 温度环境(℃) | 每小时运转率 | | | | |
|---|---|---|---|---|---|---|
| | | 100% | 80% | 60% | 40% | 20% |
| 减速机不附加外冷却方式 | 10 | 1.12 | 1.18 | 1.3 | 1.51 | 1.93 |
| | 20 | 1 | 1.06 | 1.16 | 1.35 | 1.78 |
| | 30 | 0.89 | 0.93 | 1.02 | 1.33 | 1.52 |
| | 40 | 0.75 | 0.87 | 0.9 | 1.01 | 1.34 |
| | 50 | 0.63 | 0.67 | 0.73 | 0.85 | 1.12 |
| 减速机附加散热器 | 10 | 1.1 | 1.32 | 1.54 | 1.76 | 1.98 |
| | 20 | 1 | 1.2 | 1.4 | 1.6 | 1.8 |
| | 30 | 0.9 | 1.08 | 1.26 | 1.44 | 1.62 |
| | 40 | 0.85 | 1.02 | 1.19 | 1.36 | 1.53 |
| | 50 | 0.8 | 0.96 | 1.12 | 1.29 | 1.44 |

表 12　　功率利用系数$f_A$

| 型式 | 利用率($P_2/P_1$×100%) | | | |
|---|---|---|---|---|
| | 100% | 80% | 60% | 40% |
| DBY | 1 | 0.96 | 0.89 | 0.79 |
| DCY | | | | |

## 8.3 选用示例

按以下要求选用减速机：

电机功率 P=75kW；

电机转速 $n_1$=1500r/min；

启动转矩 $T_K$=955 N·m；

工作机械 带式输送机，输送大块废岩，重型冲击，一般安全要求；

所需功率 $P_2$=65kW；

滚筒转速 $n_2$=60r/min；

每天工作 24h；每小时运转率 100%；

环境温度 40℃露天作业；

风　　速 3.7m/s 。

**1) 按式（1）确定减速机传动比和型式：**

$$i = \frac{1500}{600} = 25$$

选择 DCY 型三级减速机

**2) 按式（2）确定减速机的名义中心距：**

$$P_1 \geq P_2 \cdot K_A \cdot S_A$$

根据附表 9 载荷特性为 H，查表 9 得$K_A$=2.0，每天工作 24h，系数应增大 10%，则$K_A$=2.0×1.1=2.2；查表 10 得$S_A$=1.2；

$$P_2 \cdot K_A \cdot S_A = 65 \times 2.2 \times 1.2 = 171.6kW$$

按表 5 选用 DCY315-25，其公称输入功率$P_1$=225kW

$$P_1 \geq 171.6kW$$

**3) 按式（3）验算起动转矩：**

$$\frac{T_K \cdot n_1}{P_1 \cdot 9550} = \frac{955 \times 1500}{225 \times 9550} = 0.667 < 2.5$$

**4) 按式（4）校核减速机的热功率：**

没有附加冷却装置时：$P_2 \leq P_{G1} \cdot f_w \cdot f_A$

根据表 6 查出$P_{G1}$=155kW

根据表 11 查出$f_w$=0.75

$$\frac{P_2}{P_1} \times 100\% = \frac{65}{225} \times 100\% = 28.9\% \approx 40\%$$

$f_A$=0.79

根据表 12 查出

$P_{G1} \cdot f_w \cdot f_A = 155 \times 0.75 \times 0.79 = 91.8kw > P_2$，符合式（5）要求。

表 13 DBY 减速机公称输入转矩 $T_1$、输出转矩 $T_2$(N·m)

| 公称传动比 i | 公称转速 r/min | | DBY160 | | DBY180 | | DBY200 | | DBY224 | | DBY250 | | DBY280 | | DBY315 | | DBY355 | | DBY400 | | DBY450 | | DBY500 | | DBY560 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输入 n1 | 输出 $n_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ |
| 8 | 1500 | 188 | 516 | 4125 | 732 | 5857 | 923 | 7385 | 1305 | 10440 | 2037 | 16297 | 2769 | 22154 | 3883 | 31066 | 4775 | 38196 | 6875 | 55002 | 10695 | 85559 | 13369 | 106949 | | |
| | 1000 | 125 | 535 | 4278 | 821 | 6570 | 1050 | 8403 | 1480 | 11841 | 2340 | 18716 | 3103 | 24827 | 4440 | 35522 | 5347 | 42780 | 7735 | 61878 | 12032 | 96254 | 16233 | 129866 | 21008 | 168062 |
| | 750 | 94 | 535 | 4278 | 700 | 5602 | 1120 | 8963 | 1592 | 12732 | 2355 | 18843 | 3183 | 25464 | 4329 | 34631 | 5920 | 47363 | 8403 | 67225 | 12095 | 96763 | 17825 | 142598 | 22918 | 183341 |
| 10 | 1500 | 150 | 427 | 4265 | 586 | 5857 | 828 | 8276 | 1050 | 10504 | 1623 | 16233 | 2196 | 21963 | 3056 | 30557 | 3883 | 38833 | 5793 | 57931 | 8721 | 87214 | 12095 | 120954 | | |
| | 1000 | 100 | 420 | 4202 | 659 | 6589 | 898 | 8976 | 1194 | 11936 | 1862 | 18621 | 2483 | 24827 | 3438 | 34376 | 4440 | 44403 | 5920 | 59204 | 9072 | 90716 | 12127 | 121272 | 16233 | 162333 |
| | 750 | 75 | 443 | 4329 | 586 | 5857 | 929 | 9294 | 1337 | 13369 | 1973 | 19735 | 2674 | 26737 | 3756 | 37559 | 4838 | 48382 | 6493 | 64933 | 9040 | 90397 | 12095 | 120954 | 16552 | 165516 |
| 11.2 | 1500 | 134 | 376 | 4207 | 516 | 5775 | 732 | 8199 | 955 | 10695 | 1496 | 16755 | 2069 | 23172 | 2865 | 32085 | 3565 | 39928 | 5347 | 59891 | 7639 | 85559 | 9867 | 110514 | | |
| | 1000 | 89 | 382 | 4278 | 582 | 6524 | 802 | 8984 | 1241 | 13903 | 1671 | 18716 | 2340 | 26202 | 3247 | 36363 | 4106 | 45988 | 6016 | 67378 | 7735 | 86629 | 9835 | 110157 | 13178 | 147589 |
| | 750 | 67 | 395 | 4421 | 522 | 5847 | 828 | 9269 | 1248 | 13975 | 1782 | 19964 | 2355 | 26381 | 3056 | 34224 | 4456 | 49909 | 5984 | 67021 | 7767 | 86985 | 9931 | 111227 | 13241 | 148302 |
| 12.5 | 1500 | 120 | 337 | 4217 | 477 | 5968 | 668 | 8355 | 891 | 11141 | 1337 | 16711 | 1814 | 22679 | 2483 | 31034 | 3183 | 39788 | 4838 | 60477 | 6239 | 77984 | 8021 | 100265 | 9867 | 123341 |
| | 1000 | 80 | 344 | 4297 | 535 | 6684 | 707 | 8833 | 1003 | 12533 | 1385 | 17308 | 2053 | 25663 | 2530 | 31631 | 3629 | 45358 | 4584 | 57294 | 6302 | 78779 | 8117 | 101458 | 10599 | 132492 |
| | 750 | 60 | 344 | 4297 | 458 | 5729 | 713 | 8912 | 968 | 12095 | 1401 | 17507 | 1910 | 23873 | 2419 | 30239 | 3438 | 42971 | 4647 | 58090 | 6366 | 79575 | 8148 | 101856 | 10695 | 133686 |
| 14 | 1500 | 107 | 306 | 4278 | 420 | 5882 | 516 | 7219 | 796 | 11141 | 1210 | 16934 | 1655 | 23172 | 2196 | 30748 | 2960 | 41443 | 3692 | 51692 | 4965 | 69517 | 6366 | 89124 | 7321 | 102493 |
| | 1000 | 71 | 296 | 4144 | 401 | 5615 | 516 | 7219 | 802 | 11230 | 1050 | 14705 | 1576 | 22058 | 1958 | 27406 | 2960 | 41443 | 3963 | 55480 | 4965 | 69517 | 6493 | 90906 | 8594 | 120317 |
| | 750 | 53 | 293 | 4100 | 395 | 5526 | 484 | 6773 | 764 | 10695 | 1019 | 14260 | 1464 | 20499 | 1846 | 25846 | 2992 | 41888 | 3947 | 55257 | 5093 | 71299 | 6493 | 90906 | 8785 | 122991 |

表 14

DCY 减速机公称输入转矩 $T_1$、输出转矩 $T_2$(N·m)

| 公称传动比 i | 公称转速 r/min 输入 $n_1$ | 输出 $n_2$ | DCY160 | | DCY180 | | DCY200 | | DCY224 | | DCY250 | | DCY280 | | DCY315 | | DCY355 | | DCY400 | | DCY450 | | DCY500 | | DCY560 | | DCY630 | | DCY710 | | DCY800 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ |
| 16 | 1500 | 94 | 286 | 4584 | 388 | 6213 | 509 | 8148 | 764 | 12223 | 1019 | 16297 | 1464 | 23427 | 1942 | 31066 | 2801 | 44817 | 3820 | 61114 | 5284 | 84540 | 8594 | 137506 | 11777 | 188434 | | | | | | |
| | 1000 | 63 | 286 | 4585 | 411 | 6570 | 573 | 9167 | 812 | 12987 | 1098 | 17570 | 1623 | 25973 | 2196 | 35140 | 3151 | 50419 | 4202 | 67225 | 6016 | 96254 | 9644 | 154312 | 13560 | 216953 | 21008 | 336125 | 23837 | 381960 | 27215 | 435434 |
| | 750 | 47 | 306 | 4889 | 446 | 7130 | 573 | 9167 | 891 | 14260 | 1082 | 17316 | 1782 | 28520 | 2355 | 37687 | 3438 | 55002 | 4584 | 73336 | 6493 | 103893 | 10568 | 169081 | 15024 | 240380 | 20371 | 325939 | 29284 | 468538 | 33103 | 529651 |
| 18 | 1500 | 83 | 267 | 4813 | 369 | 6646 | 477 | 8594 | 700 | 12605 | 955 | 17188 | 1337 | 24063 | 1846 | 33231 | 2801 | 50419 | 3565 | 64169 | 4965 | 89379 | 8594 | 154694 | 11777 | 211988 | | | | | | |
| | 1000 | 56 | 286 | 5156 | 382 | 6875 | 506 | 9110 | 716 | 12891 | 1003 | 18048 | 1480 | 26642 | 2053 | 36955 | 3151 | 56721 | 4011 | 72190 | 5634 | 101410 | 9549 | 171882 | 13369 | 240635 | 17761 | 319701 | 23873 | 429705 | 27215 | 489864 |
| | 750 | 42 | 293 | 5271 | 407 | 7334 | 535 | 9625 | 828 | 14896 | 1019 | 18334 | 1528 | 27501 | 2228 | 40106 | 3310 | 59586 | 4393 | 79066 | 6111 | 110004 | 10058 | 181049 | 14260 | 256677 | 18589 | 334597 | 27756 | 499604 | 31830 | 572940 |
| 20 | 1500 | 75 | 248 | 4965 | 337 | 6748 | 433 | 8658 | 637 | 12732 | 859 | 17188 | 1241 | 24827 | 1719 | 34376 | 2737 | 54748 | 3501 | 70026 | 4965 | 99310 | 8403 | 168062 | 11459 | 229176 | | | | | | |
| | 1000 | 50 | 258 | 5156 | 344 | 6875 | 458 | 9167 | 668 | 13369 | 907 | 18143 | 1337 | 26737 | 1910 | 38196 | 3008 | 60159 | 3629 | 72572 | 5252 | 105039 | 8403 | 168062 | 11841 | 236815 | 15660 | 313207 | 22918 | 458352 | 27215 | 544293 |
| | 750 | 38 | 255 | 5093 | 356 | 7130 | 484 | 9676 | 700 | 14005 | 955 | 19098 | 1401 | 28010 | 2037 | 40742 | 3119 | 62387 | 3947 | 78938 | 5666 | 113315 | 8912 | 178248 | 12732 | 254640 | 16424 | 328486 | 24445 | 488909 | 31830 | 636600 |
| 22.4 | 1500 | 67 | 216 | 4848 | 318 | 7130 | 414 | 9269 | 598 | 13404 | 828 | 18538 | 1114 | 24955 | 1592 | 35650 | 2546 | 57039 | 3247 | 72725 | 4647 | 104097 | 7448 | 166840 | 9804 | 219602 | | | | | | |
| | 1000 | 45 | 220 | 4920 | 325 | 7273 | 458 | 10267 | 621 | 13903 | 859 | 19251 | 1241 | 27807 | 1767 | 39571 | 2769 | 62030 | 3438 | 77003 | 4965 | 111227 | 7448 | 166840 | 10504 | 235287 | 13846 | 310152 | 20224 | 453463 | 24827 | 556134 |
| | 750 | 33 | 216 | 4848 | 318 | 7130 | 458 | 10267 | 624 | 13975 | 891 | 19964 | 1210 | 27094 | 1782 | 39928 | 2801 | 62743 | 3501 | 78429 | 5093 | 114079 | 7894 | 176822 | 11204 | 250973 | 14514 | 325124 | 21772 | 487687 | 31321 | 705184 |
| 25 | 1500 | 60 | 191 | 4775 | 280 | 7003 | 395 | 9867 | 528 | 13209 | 732 | 18302 | 1019 | 25464 | 1432 | 35809 | 2228 | 55703 | 2865 | 71618 | 4138 | 103448 | 6557 | 163925 | 9294 | 232359 | | | | | | |
| | 1000 | 40 | 191 | 4775 | 286 | 7162 | 401 | 10026 | 544 | 13607 | 764 | 19098 | 1050 | 26260 | 1576 | 39390 | 2435 | 60875 | 3008 | 75198 | 4393 | 109814 | 6971 | 174269 | 9931 | 248274 | 12891 | 322279 | 20244 | 506097 | 24827 | 620685 |
| | 750 | 30 | 191 | 4775 | 293 | 7321 | 407 | 10186 | 547 | 13687 | 764 | 19098 | 1082 | 27056 | 1592 | 39788 | 2483 | 62069 | 3056 | 76392 | 4456 | 111405 | 7003 | 175065 | 9931 | 248274 | 12859 | 321483 | 19225 | 480633 | 27756 | 693894 |
| 28 | 1500 | 54 | 140 | 3921 | 236 | 6595 | 306 | 8556 | 477 | 13369 | 586 | 16399 | 891 | 24955 | 1369 | 38323 | 2037 | 57039 | 2578 | 72190 | 3756 | 105166 | 5793 | 162206 | 8212 | 229940 | | | | | | |
| | 1000 | 36 | 143 | 4011 | 239 | 6684 | 325 | 9091 | 497 | 13903 | 630 | 17647 | 898 | 25133 | 1432 | 40106 | 2149 | 60159 | 2721 | 76201 | 4011 | 112296 | 6111 | 171118 | 8690 | 243309 | 11363 | 318173 | 16902 | 473248 | 23873 | 668430 |
| | 750 | 27 | 153 | 4278 | 242 | 6773 | 331 | 9269 | 497 | 13903 | 637 | 17825 | 904 | 25311 | 1464 | 40997 | 2164 | 60604 | 2737 | 76647 | 4011 | 112296 | 6239 | 174683 | 8785 | 245982 | 11331 | 317281 | 16934 | 474140 | 24445 | 684472 |
| 31.5 | 1500 | 48 | 127 | 4011 | 210 | 6617 | 280 | 8823 | 439 | 13837 | 541 | 17045 | 764 | 24063 | 1241 | 39103 | 1846 | 58153 | 2451 | 77204 | 3501 | 110291 | 5220 | 164434 | 7448 | 234619 | | | | | | |
| | 1000 | 32 | 134 | 4211 | 210 | 6617 | 296 | 9325 | 439 | 13837 | 563 | 17747 | 793 | 24966 | 1241 | 39103 | 1910 | 60159 | 2435 | 76702 | 3533 | 111294 | 5538 | 174460 | 7830 | 246651 | 10217 | 321849 | 15278 | 481270 | 22058 | 694833 |
| | 750 | 24 | 127 | 4011 | 216 | 6818 | 293 | 9224 | 433 | 13636 | 560 | 17647 | 789 | 24866 | 1273 | 40106 | 1910 | 60159 | 2419 | 76201 | 3565 | 112296 | 5602 | 176466 | 7894 | 248656 | 10186 | 320846 | 15278 | 481270 | 22154 | 697841 |
| 35.5 | 1500 | 42 | 115 | 4068 | 191 | 6780 | 255 | 9040 | 395 | 14012 | 490 | 17401 | 700 | 24859 | 1146 | 40679 | 1655 | 58758 | 2196 | 77968 | 3183 | 112997 | 4902 | 174015 | 7003 | 248592 | 9103 | 323170 | 13496 | 479105 | | |
| | 1000 | 28 | 115 | 4068 | 191 | 6780 | 267 | 9492 | 401 | 14238 | 506 | 17966 | 716 | 25424 | 1146 | 40679 | 1719 | 61018 | 2196 | 77968 | 3247 | 115256 | 4870 | 172885 | 6875 | 244072 | 9072 | 322040 | 13464 | 477975 | 19384 | 688149 |
| | 750 | 21 | 115 | 4068 | 191 | 6780 | 267 | 9492 | 395 | 14012 | 509 | 18079 | 713 | 25311 | 1146 | 40679 | 1719 | 61018 | 2228 | 79098 | 3183 | 112997 | 4902 | 174015 | 6875 | 244072 | 9040 | 320910 | 13496 | 479105 | 19607 | 696058 |

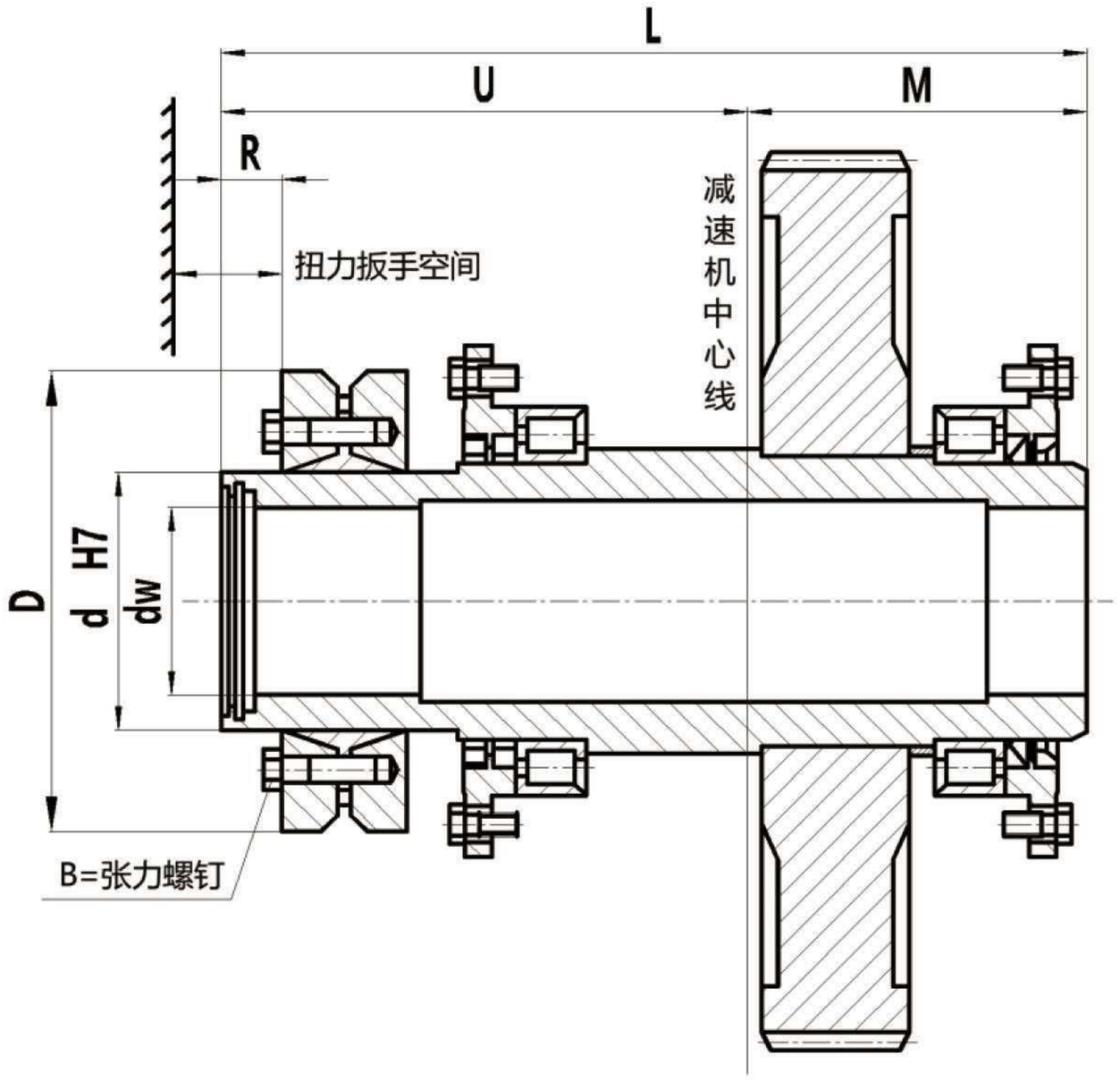
续表 14　　DCY 减速机公称输入转矩 $T_1$、输出转矩 $T_2$(N·m)

| 公称传动比 i | 公称转速 r/min | | DCY160 | | DCY180 | | DCY200 | | DCY224 | | DCY250 | | DCY280 | | DCY315 | | DCY355 | | DCY400 | | DCY450 | | DCY500 | | DCY560 | | DCY630 | | DCY710 | | DCY800 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输入 $n_1$ | 输出 $n_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ | $T_1$ | $T_2$ |
| 40 | 1500 | 38 | 108 | 4329 | 172 | 6875 | 229 | 9167 | 356 | 14260 | 439 | 17570 | 624 | 24955 | 1019 | 40742 | 1496 | 59840 | 1973 | 78938 | 2865 | 114588 | 4393 | 175702 | 6302 | 252094 | 8212 | 328486 | 12223 | 488909 | | |
| | 1000 | 25 | 105 | 4202 | 172 | 6875 | 239 | 9549 | 392 | 15660 | 449 | 17952 | 640 | 25591 | 1146 | 45835 | 1528 | 61114 | 2149 | 85941 | 3151 | 126047 | 4440 | 177611 | 6302 | 252094 | 8212 | 328486 | 12223 | 488909 | 17666 | 706626 |
| | 750 | 19 | 108 | 4329 | 178 | 7130 | 242 | 9676 | 369 | 14769 | 458 | 18334 | 662 | 26483 | 1044 | 41761 | 1592 | 63660 | 1973 | 78938 | 2928 | 117134 | 4456 | 178248 | 6302 | 252094 | 8148 | 325939 | 12223 | 488909 | 17697 | 707899 |
| 45 | 1500 | 33.5 | 95 | 4297 | 153 | 6875 | 210 | 9454 | 318 | 14324 | 407 | 18334 | 573 | 25782 | 923 | 41538 | 1369 | 61591 | 1751 | 78779 | 2546 | 114588 | 3947 | 177611 | 5602 | 252094 | 7321 | 329441 | 10950 | 492728 | 13369 | 601587 |
| | 1000 | 22 | 95 | 4297 | 153 | 6875 | 210 | 9454 | 315 | 14180 | 401 | 18048 | 573 | 25782 | 907 | 40822 | 1385 | 62307 | 1719 | 77347 | 2530 | 113872 | 4345 | 195516 | 6111 | 275011 | 8021 | 360952 | 11936 | 537131 | 17284 | 777766 |
| | 750 | 16.6 | 95 | 4297 | 153 | 6875 | 216 | 9740 | 331 | 14896 | 407 | 18334 | 586 | 26355 | 942 | 42398 | 1401 | 63023 | 1782 | 80212 | 2610 | 117453 | 4074 | 183341 | 5793 | 260688 | 7639 | 343764 | 11077 | 498458 | 16042 | 721904 |
| 50 | 1500 | 30 | 83 | 4138 | 134 | 6684 | 191 | 9549 | 280 | 14005 | 363 | 18143 | 509 | 25464 | 828 | 41379 | 1241 | 62069 | 1560 | 77984 | 2292 | 114588 | 3501 | 175065 | 4965 | 248274 | 6557 | 327849 | 9804 | 490182 | 13050 | 652515 |
| | 1000 | 20 | 86 | 4297 | 134 | 6684 | 191 | 9549 | 296 | 14801 | 363 | 18143 | 516 | 25782 | 831 | 41538 | 1241 | 62069 | 1576 | 78779 | 2292 | 114588 | 3485 | 174269 | 4965 | 248274 | 6493 | 324666 | 9740 | 486999 | 14133 | 706626 |
| | 750 | 15 | 89 | 4456 | 140 | 7003 | 191 | 9549 | 293 | 14642 | 369 | 18461 | 522 | 26101 | 828 | 41379 | 1260 | 63023 | 1528 | 76392 | 2292 | 114588 | 3756 | 187797 | 5220 | 261006 | 6875 | 343764 | 9931 | 496548 | 14387 | 719358 |
| 56 | 1500 | 27 | 76 | 4278 | 121 | 6773 | 169 | 9447 | 242 | 13547 | 318 | 17825 | 458 | 25668 | 732 | 40997 | 1019 | 57039 | 1401 | 78429 | 1973 | 110514 | 3183 | 178248 | 4456 | 249547 | 5793 | 324411 | | | | |
| | 1000 | 18 | 76 | 4278 | 124 | 6952 | 167 | 9358 | 248 | 13903 | 334 | 18716 | 458 | 25668 | 716 | 40106 | 1050 | 58822 | 1337 | 74864 | 1910 | 106949 | 3247 | 181813 | 4584 | 256677 | 6016 | 336889 | 8976 | 502659 | 12414 | 695167 |
| | 750 | 13.4 | 76 | 4278 | 127 | 7130 | 166 | 9269 | 255 | 14260 | 318 | 17825 | 446 | 24955 | 738 | 41354 | 1082 | 60604 | 1401 | 78429 | 2037 | 114079 | 3183 | 178248 | 4456 | 249547 | 5984 | 335106 | 8658 | 484835 | 12477 | 698732 |
| 63 | 1500 | 24 | 70 | 4412 | 102 | 6417 | 146 | 9224 | 223 | 14037 | 286 | 18048 | 407 | 25668 | 637 | 40106 | 955 | 60159 | 1273 | 80212 | 1782 | 112296 | 2801 | 176466 | 3883 | 244645 | 5093 | 320846 | | | | |
| | 1000 | 16 | 72 | 4512 | 115 | 7219 | 143 | 9024 | 229 | 14438 | 286 | 18048 | 411 | 25868 | 649 | 40908 | 955 | 60159 | 1241 | 78206 | 1814 | 114302 | 2865 | 180476 | 3820 | 240635 | 5252 | 330873 | 7830 | 493301 | 10313 | 649714 |
| | 750 | 12 | 70 | 4412 | 108 | 6818 | 153 | 9625 | 216 | 13636 | 293 | 18449 | 382 | 24063 | 637 | 40106 | 968 | 60961 | 1210 | 76201 | 1782 | 112296 | 2801 | 176466 | 3947 | 248656 | 5347 | 336889 | 7894 | 497312 | 10568 | 665756 |
| 71 | 1500 | 21 | 57 | 4068 | 95 | 6780 | 134 | 9492 | 191 | 13560 | 255 | 18079 | 356 | 25311 | 579 | 41131 | 828 | 58758 | 1146 | 81357 | 1464 | 103957 | 2546 | 180794 | 2228 | 158195 | 4584 | 325430 | | | | |
| | 1000 | 14 | 57 | 4068 | 91 | 6441 | 134 | 9492 | 201 | 14238 | 258 | 18305 | 363 | 25763 | 573 | 40679 | 812 | 57628 | 1146 | 81357 | 1528 | 108477 | 2483 | 176275 | 3533 | 250852 | 4775 | 338990 | 6493 | 461026 | 8499 | 603401 |
| | 750 | 10.6 | 57 | 4068 | 95 | 6780 | 140 | 9944 | 197 | 14012 | 267 | 18983 | 356 | 25311 | 573 | 40679 | 764 | 54238 | 1146 | 81357 | 1528 | 108477 | 2546 | 180794 | 3565 | 253112 | 4711 | 334470 | 6366 | 451986 | 8530 | 605661 |
| 80 | 1500 | 18.8 | 54 | 4329 | 76 | 6111 | 121 | 9676 | 172 | 13751 | 242 | 19353 | 318 | 25464 | 465 | 37177 | 700 | 56021 | 1019 | 81485 | 1337 | 106949 | 2164 | 173155 | 3056 | 244454 | 3820 | 305568 | | | | |
| | 1000 | 12.5 | 53 | 4202 | 76 | 6111 | 124 | 9931 | 172 | 13751 | 239 | 19098 | 334 | 26737 | 477 | 38196 | 716 | 57294 | 1050 | 84031 | 1337 | 106949 | 2196 | 175702 | 3247 | 259733 | 3820 | 305568 | 5347 | 427795 | 6875 | 550022 |
| | 750 | 9.4 | 53 | 4278 | 76 | 6111 | 127 | 10186 | 172 | 13751 | 242 | 19353 | 325 | 25973 | 484 | 38705 | 700 | 56021 | 1019 | 81485 | 1401 | 112042 | 2292 | 183341 | 3056 | 244454 | 3820 | 305568 | 5347 | 427795 | 7003 | 560208 |
| 90 | 1500 | 16.7 | 51 | 4584 | 64 | 5729 | 115 | 10313 | 159 | 14324 | 223 | 20053 | 274 | 24636 | 414 | 37241 | | | | | | | | | | | | | | | | |
| | 1000 | 11.1 | 48 | 4297 | 65 | 5844 | 115 | 10313 | 162 | 14610 | 220 | 19766 | 286 | 25782 | 411 | 36955 | | | | | | | | | | | | | | | | |
| | 750 | 8.3 | 51 | 4584 | 64 | 5729 | 115 | 10313 | 159 | 14324 | 216 | 19480 | 280 | 25209 | 407 | 36668 | | | | | | | | | | | | | | | | |

# 10 附录 A 空心输出轴联接

## 10.1 带锁紧盘空心输出轴结构（参考）

附图 1　　DBYK、DCYK 减速机带锁紧盘空心输出轴结构



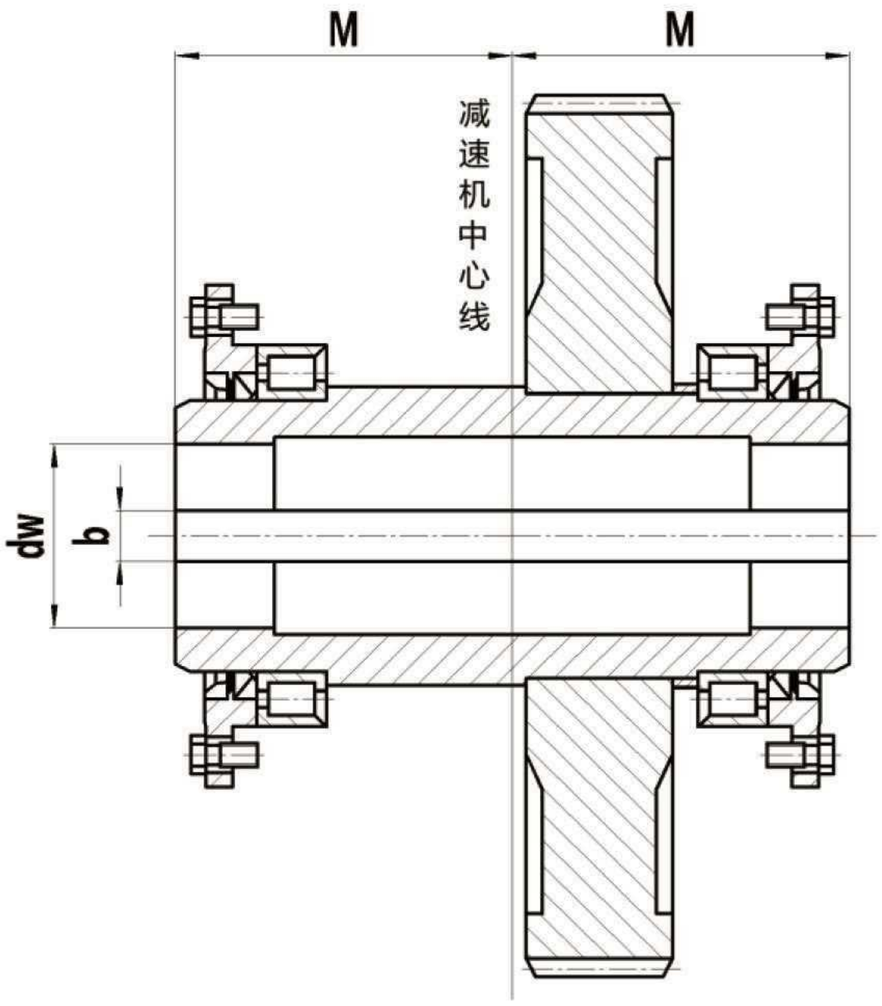

附表 1　　单位为毫米

| 减速机名义中心距 a | 空心轴套 | | | | | 锁紧盘 | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | $d_w$ | L | M | R | U | 型号 | D | d | $T_t$ (N·m) | 锁紧螺栓 B | 锁紧螺栓 螺栓拧紧力矩(N·m) | 重量 (kg) |
| 160 | 80 | 370 | 145 | 26 | 225 | 110-72 | 185 | 110 | 9000 | M10 | 58 | 5.9 |
| 180 | 90 | 410 | 160 | 27 | 250 | 125-72 | 215 | 125 | 13000 | M10 | 58 | 8.3 |
| 200 | 100 | 450 | 175 | 32 | 275 | 140-71 | 230 | 140 | 17600 | M12 | 100 | 10 |
| 224 | 110 | 485 | 190 | 33 | 295 | 140-71 | 230 | 140 | 17600 | M12 | 100 | 10 |
| 250 | 120 | 535 | 210 | 37 | 325 | 165-71 | 290 | 165 | 35000 | M12 | 240 | 22 |
| 280 | 135 | 590 | 230 | 35 | 360 | 175-71 | 300 | 175 | 48000 | M16 | 240 | 22 |
| 315 | 160 | 680 | 260 | 37 | 420 | 220-71 | 370 | 220 | 100000 | M16 | 240 | 54 |
| 355 | 180 | 735 | 285 | 38 | 450 | 240-71 | 405 | 240 | 138000 | M20 | 470 | 67 |
| 400 | 200 | 795 | 305 | 46 | 490 | 260-71 | 430 | 260 | 184000 | M20 | 470 | 82 |
| 450 | 220 | 895 | 345 | 48 | 550 | 280-71 | 460 | 280 | 245000 | M20 | 470 | 102 |
| 500 | 280 | 1190 | 475 | 61 | 715 | 350-71 | 570 | 350 | 500000 | M20 | 470 | 204 |
| 560 | 310 | 1270 | 510 | 67 | 760 | 390-71 | 660 | 390 | 710000 | M20 | 470 | 260 |
| 630 | 340 | 1400 | 560 | 71 | 840 | 420-71 | 690 | 420 | 840000 | M20 | 470 | 316 |
| 710 | 380 | 1490 | 600 | 73 | 890 | 460-71 | 770 | 460 | 1140000 | M20 | 470 | 420 |
| 800 | 420 | 1600 | 645 | 82 | 955 | 500-71 | 850 | 500 | 1600000 | M20 | 470 | 575 |

注：本表表示带锁紧盘的空心轴套。

## 10.2 带平键空心输出轴结构（参考）

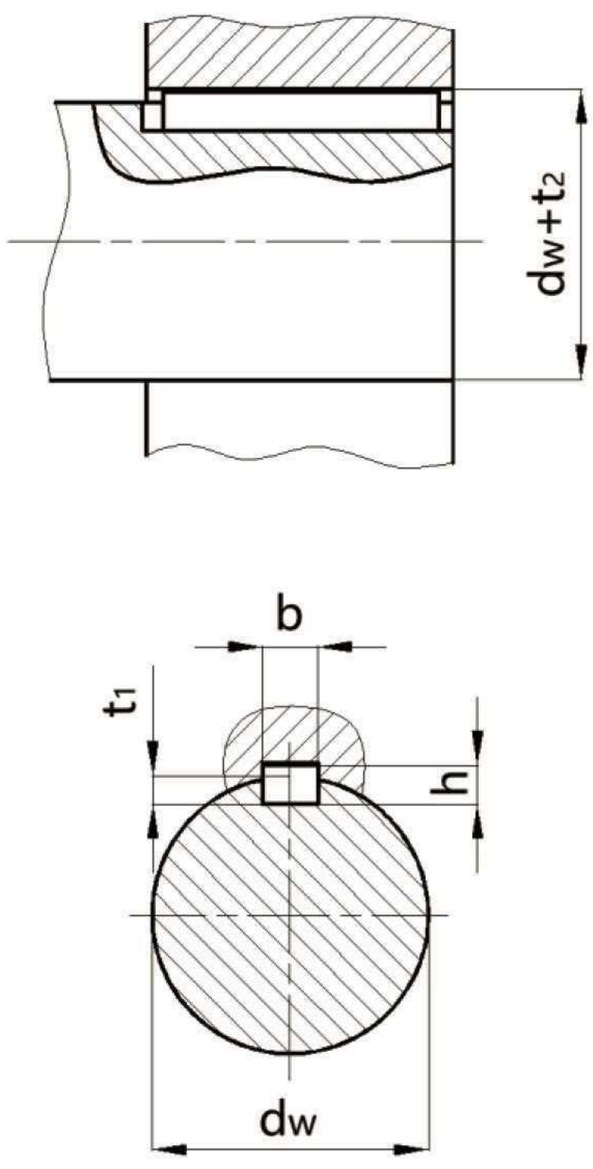
附图 2　　DBYK、DCYK 减速机带平键空心输出轴结构




附表 2　　单位为毫米

| 减速机名义中心距 a | $d_w$ | M |
|---|---|---|
| 160 | 75 | 145 |
| 180 | 90 | 160 |
| 200 | 105 | 175 |
| 224 | 110 | 190 |
| 250 | 120 | 210 |
| 280 | 130 | 230 |
| 315 | 150 | 260 |
| 355 | 170 | 285 |
| 400 | 190 | 305 |
| 450 | 200 | 345 |

附图 3　　平键和键槽的尺寸（按照 GB/T 1095）

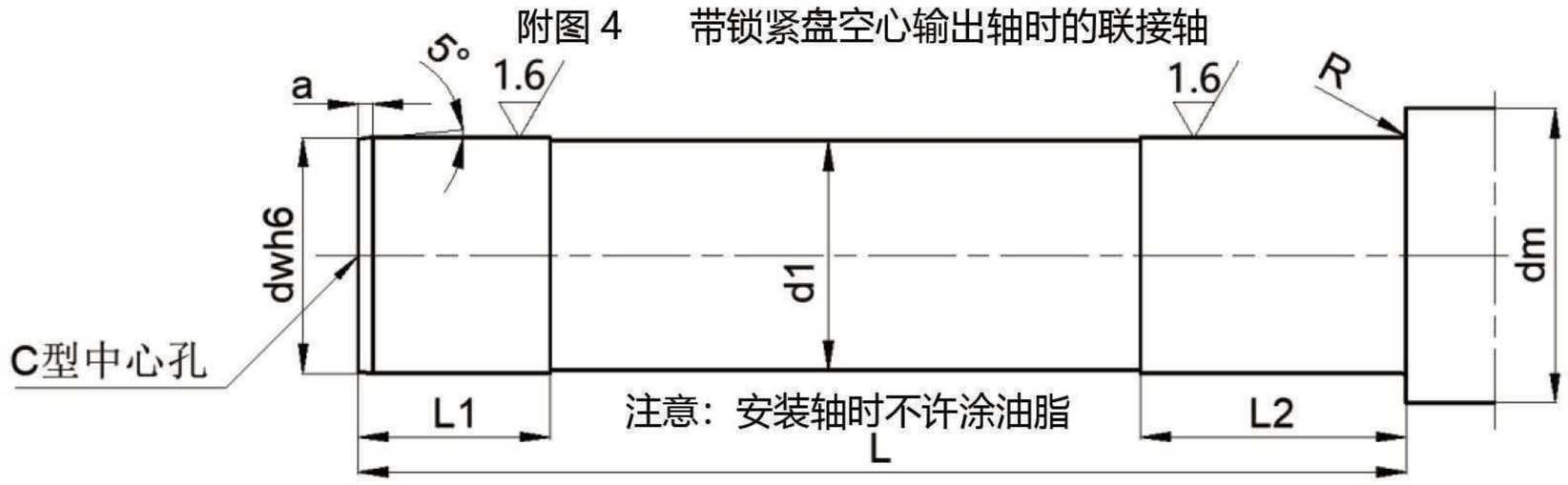



附表 3　　单位为毫米

| 直径 dw | | 键宽 | 键高 | 轴键槽深度 | 轮毂键槽深度 |
|---|---|---|---|---|---|
| 大于 | 至 | b | h | $t_1$ | $d_w+t_2$ |
| 17 | 22 | 6 | 6 | 3.5 | d+2.8 |
| 22 | 30 | 8 | 7 | 4 | d+3.3 |
| 30 | 38 | 10 | 8 | 5 | d+3.3 |
| 38 | 44 | 12 | 8 | 5 | d+3.3 |
| 44 | 50 | 14 | 9 | 5.5 | d+3.8 |
| 50 | 58 | 16 | 10 | 6 | d+4.3 |
| 58 | 65 | 18 | 11 | 7 | d+4.4 |
| 65 | 75 | 20 | 12 | 7.5 | d+4.9 |
| 75 | 85 | 22 | 14 | 9 | d+5.4 |
| 85 | 95 | 25 | 14 | 9 | d+5.4 |
| 95 | 110 | 28 | 16 | 10 | d+6.4 |
| 110 | 130 | 32 | 18 | 11 | d+7.4 |
| 130 | 150 | 36 | 20 | 12 | d+8.4 |
| 150 | 170 | 40 | 22 | 13 | d+9.4 |
| 170 | 200 | 45 | 25 | 15 | d+10.4 |
| 200 | 230 | 50 | 28 | 17 | d+11.4 |
| 230 | 260 | 56 | 32 | 20 | d+12.4 |
| 260 | 290 | 63 | 32 | 20 | d+12.4 |
| 290 | 330 | 70 | 36 | 22 | d+14.4 |
| 330 | 380 | 80 | 40 | 25 | d+15.4 |
| 380 | 440 | 90 | 45 | 28 | d+17.4 |

## 10.3 空心输出轴时的联接轴（参考）

附图 4　　带锁紧盘空心输出轴时的联接轴

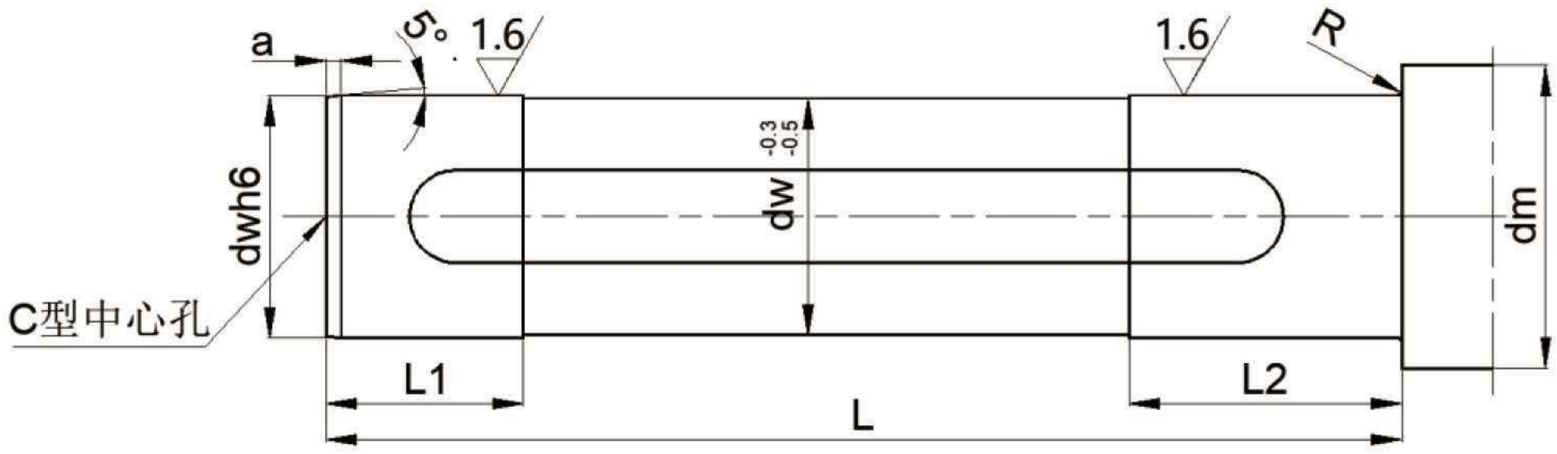



附表 4　　单位为毫米

| 减速机名义中心距 | a | $d_m$ | $d_w$ | d1 | L | L1 | L2 | R |
|---|---|---|---|---|---|---|---|---|
| 160 | 5 | 100 | 80 | 78 | 355 | 65 | 90 | 1.6 |
| 180 | 5 | 110 | 90 | 88 | 395 | 70 | 100 | 1.6 |
| 200 | 5 | 125 | 100 | 98 | 430 | 75 | 110 | 1.6 |
| 224 | 5 | 135 | 110 | 108 | 465 | 80 | 120 | 1.6 |
| 250 | 6 | 150 | 120 | 118 | 510 | 90 | 130 | 2.5 |
| 280 | 6 | 165 | 135 | 133 | 565 | 100 | 140 | 2.5 |
| 315 | 6 | 190 | 160 | 158 | 655 | 120 | 160 | 2.5 |
| 355 | 6 | 210 | 180 | 178 | 710 | 125 | 170 | 2.5 |
| 400 | 8 | 240 | 200 | 198 | 765 | 145 | 190 | 4 |
| 450 | 8 | 260 | 220 | 218 | 860 | 150 | 200 | 4 |
| 500 | 10 | 320 | 280 | 278 | 1145 | 240 | 290 | 4 |
| 560 | 10 | 350 | 310 | 308 | 1225 | 260 | 310 | 4 |
| 630 | 12 | 380 | 340 | 338 | 1355 | 280 | 330 | 6 |
| 710 | 12 | 430 | 380 | 378 | 1440 | 300 | 350 | 6 |
| 800 | 12 | 470 | 420 | 418 | 1550 | 320 | 380 | 6 |

注：dw≥160mm 时配合公差采用 g6

附图 5　　带平键空心输出轴时的联接轴




附表 5　　单位为毫米

| 名义中心距 | a | $d_m$ | $d_w$ | L | L1 | L2 | R |
|---|---|---|---|---|---|---|---|
| 160 | 5 | 95 | 75 | 287 | 75 | 90 | 4 |
| 180 | 5 | 110 | 90 | 317 | 90 | 100 | 4 |
| 200 | 5 | 125 | 105 | 347 | 105 | 110 | 4 |
| 224 | 5 | 135 | 110 | 377 | 115 | 120 | 4 |
| 250 | 6 | 150 | 120 | 417 | 130 | 130 | 6 |
| 280 | 6 | 160 | 130 | 457 | 140 | 140 | 6 |
| 315 | 6 | 185 | 150 | 517 | 160 | 160 | 6 |
| 355 | 6 | 210 | 170 | 567 | 170 | 170 | 6 |
| 400 | 6 | 240 | 190 | 607 | 190 | 190 | 6 |
| 450 | 6 | 260 | 200 | 687 | 200 | 200 | 6 |

# 11 附录 B 工作机械载荷分类

附表 4

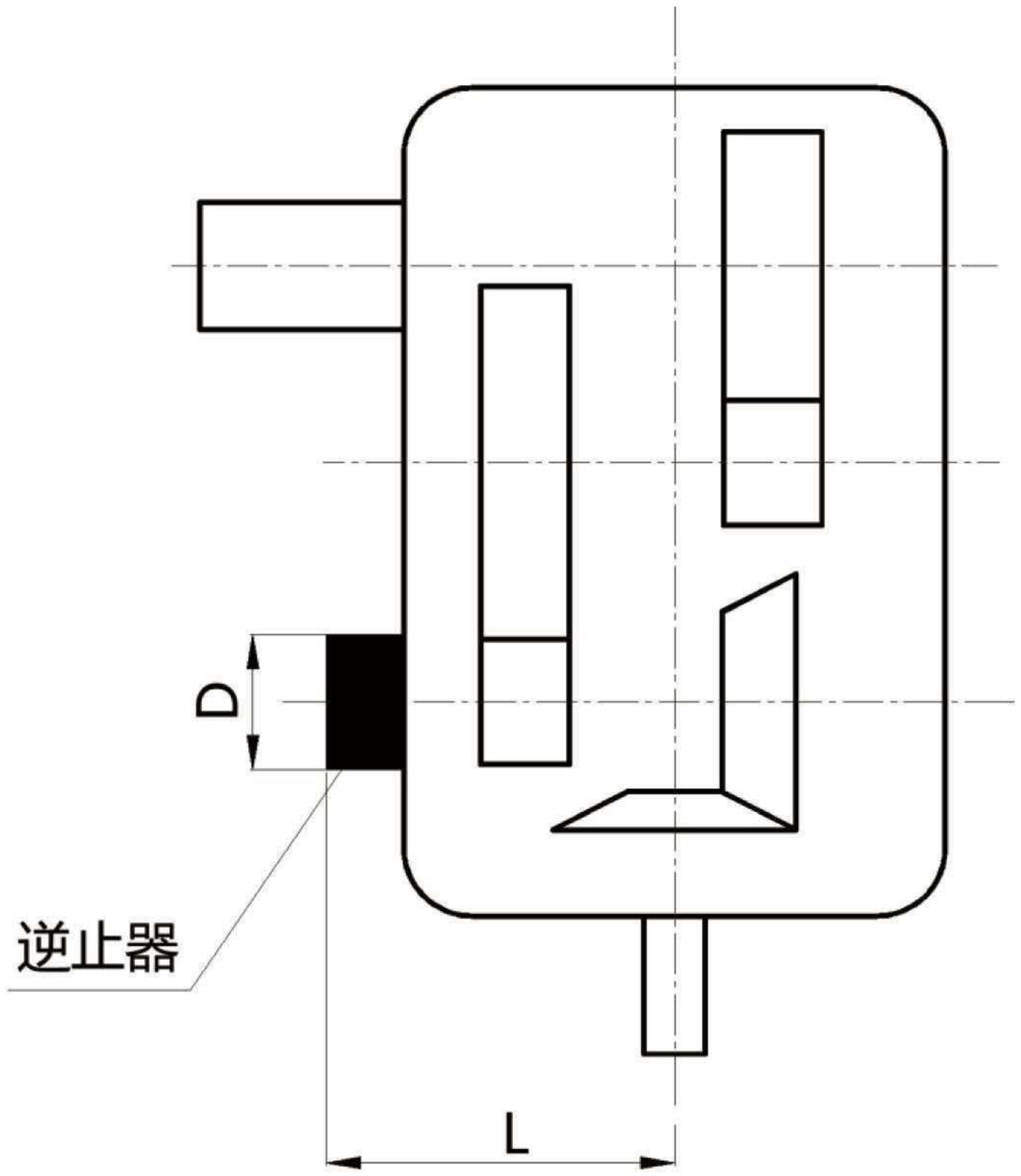
| 工作机械 | 载荷种类 | 工作机械 | 载荷种类 | 工作机械 | 载荷种类 |
|---|---|---|---|---|---|
| **输送机** | | 管道泵 | M° | **橡胶与塑料** | |
| 平稳载荷和中等载荷 | | 换气泵 | M° | ——橡胶 | H° |
| 螺旋输送机 | M | 混料机 | M | ——塑料 | M° |
| 装配线输送机 | U | 搅拌机(液体和固体、各种液体) | M | 轮压机 | M° |
| 斗式提升机 | M | **挖掘机和堆料机** | | 揉压机(橡胶) | H° |
| 锅炉用输送机 | M | 链斗式挖掘机 | H | 混合机 | M° |
| 板式输送机 | M | 行走装置(履带式) | H | 粉碎机(橡胶) | M° |
| 链式输送机 | M | 行走装置(轨道式) | H | 辊式破碎机(橡胶) | H° |
| **中等载荷和重型载荷** | | 斗轮堆料机 | M | **起重机** | |
| 装配线输送机 | M | ——堆废岩 | H | 臂架摆动机构 | M |
| 带式输送机 | M° | ——堆煤 | H | 运行机构 | M |
| 载人电梯 | M | ——堆石灰石 | H | 提升机构 | M |
| 斜梯式输送机(梯扶) | M° | 切割头 | H | 变幅机构 | M |
| 斗式提升机 | H | 旋转机构 | M | 卷扬机 | U |
| 带式输送机(件货、大块散料) | H° | 钢缆卷筒 | M | **磨机** | |
| 链式输送机 | H | 卷扬机 | M | 锤式磨机 | H |
| 货物电梯 | H | **钢铁工业** | | 球磨机 | H |
| 板式输送机 | H | 铸造起重机(提升齿轮) | H° | 辊式磨机 | H |
| 振动输送机 | H | 石渣机 | U° | **轧钢机** | |
| 螺旋输送机 | H | 烧结机 | M° | 板材翻滚机 | M |
| 吊斗提升机 | H° | 破碎机 | H° | 推锭机 | H° |
| **采矿、矿山工业** | | 汽车倾卸机 | H° | 拉管机 | H° |
| 混凝土搅拌机 | M | **金属加工** | | 连铸机 | H° |
| 破碎机 | H | 卷压机 | H | 管材焊接机 | H° |
| 转炉 | H° | 弯板机 | M° | 板材、钢坯剪切机 | H° |
| 分选机 | M | 钢板矫直机 | H | **造纸机械** | |
| 混合机 | M | 偏心压力机 | H | 迭层机 | H° |
| 大型通风机(矿用) | M° | 锻锤 | H | 打光机 | H° |
| **木材工业** | | 刨削机 | H° | 轮压机 | M° |
| 滚式去皮机 | H | 曲柄压力机 | H | 混合机 | M° |
| 刨削机 | M | 锻压机 | H | 胶式压力机 | H° |
| **石油、化学工业** | | 冲压机 | H | 湿式压榨机 | H° |
| 钻井泵 | M | **橡胶与塑料** | | 吸入式压榨机 | H° |
| 回转炉 | M | 挤压机 | | | |

注：载荷种类 U——平稳载荷；M——中等载荷；H——重型载荷；

U°、M°、H°分别表示三种载荷在 24 小时/天连续工作时，表 9 中系数 $K_A$ 应增大 10%。

# 12 附录 C 附件 逆止器

附图 4 DCY 系列逆止器安装尺寸




附表 5 单位为毫米

| 名义中心距 | D | L |
|---|---|---|
| 160 | Φ110 | 204 |
| 180 | Φ125 | 224 |
| 200 | Φ130 | 243 |
| 224 | Φ150 | 259 |
| 250 | Φ160 | 284 |
| 280 | Φ175 | 322 |
| 315 | Φ190 | 358 |
| 355 | Φ210 | 364 |
| 400 | Φ230 | 399 |
| 450 | Φ280 | 461 |

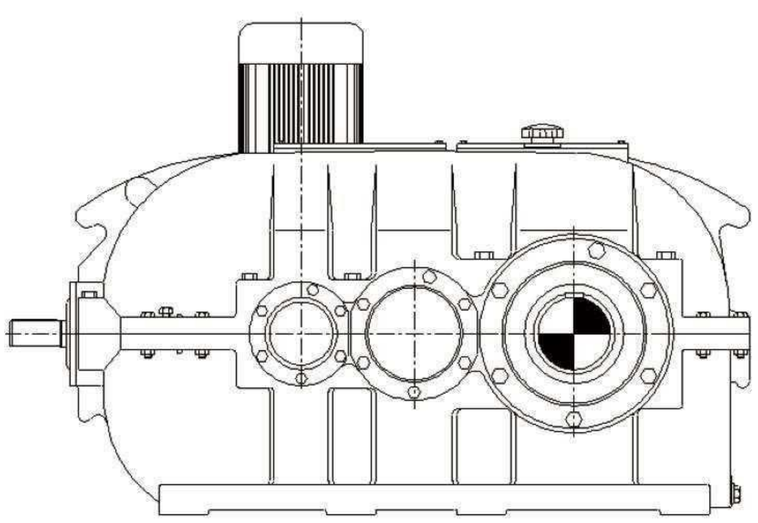
注：配置逆止器时，必须标明输出轴的工作旋转方向（面对输出轴）；

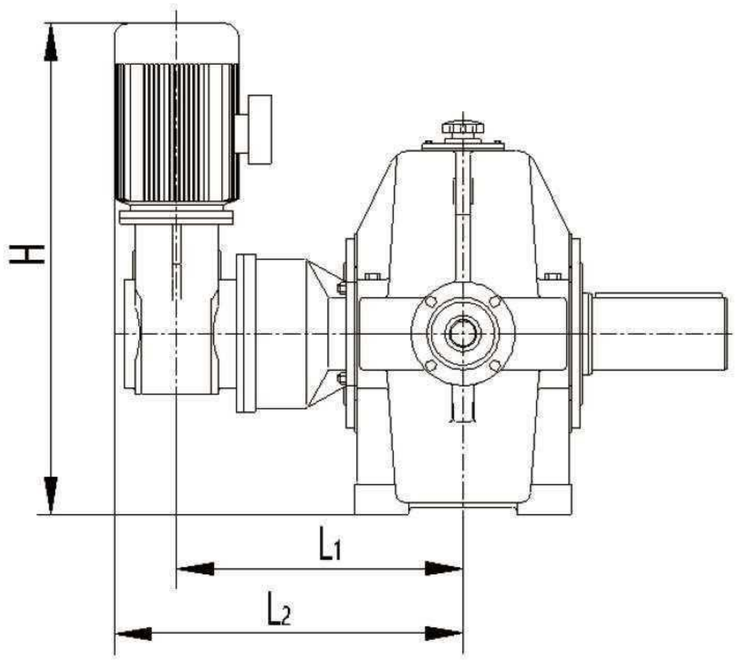
逆止器的安装位置见 4 装配形式。

订货时，附件选择超出本样本范围时，用户必须在合同中附加说明并提供附加外形简图。

# 13 附录 D 斗式提升机用带辅传减速机

附图 5　　斗式提升机用带辅传减速机安装尺寸



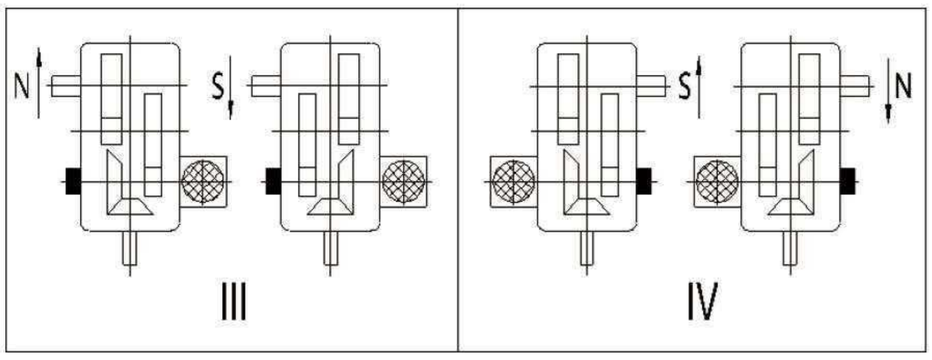


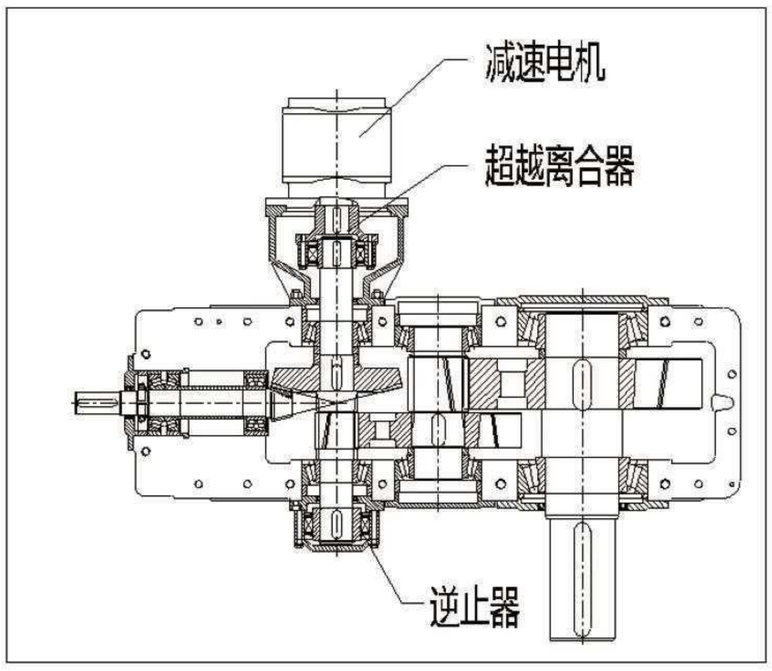

装配型式

DTZ　355　S　-63　-III　S

- 输出轴旋转方向*)
- 装配形式
- 传动比
- 输出轴代号**)
- 机座号
- 斗式提升机专用减速机代号

注：*) S为顺时针方向，N为逆时针方向
　　**) S为实心轴，H为空心轴键连接，D为空心轴锁紧盘连接



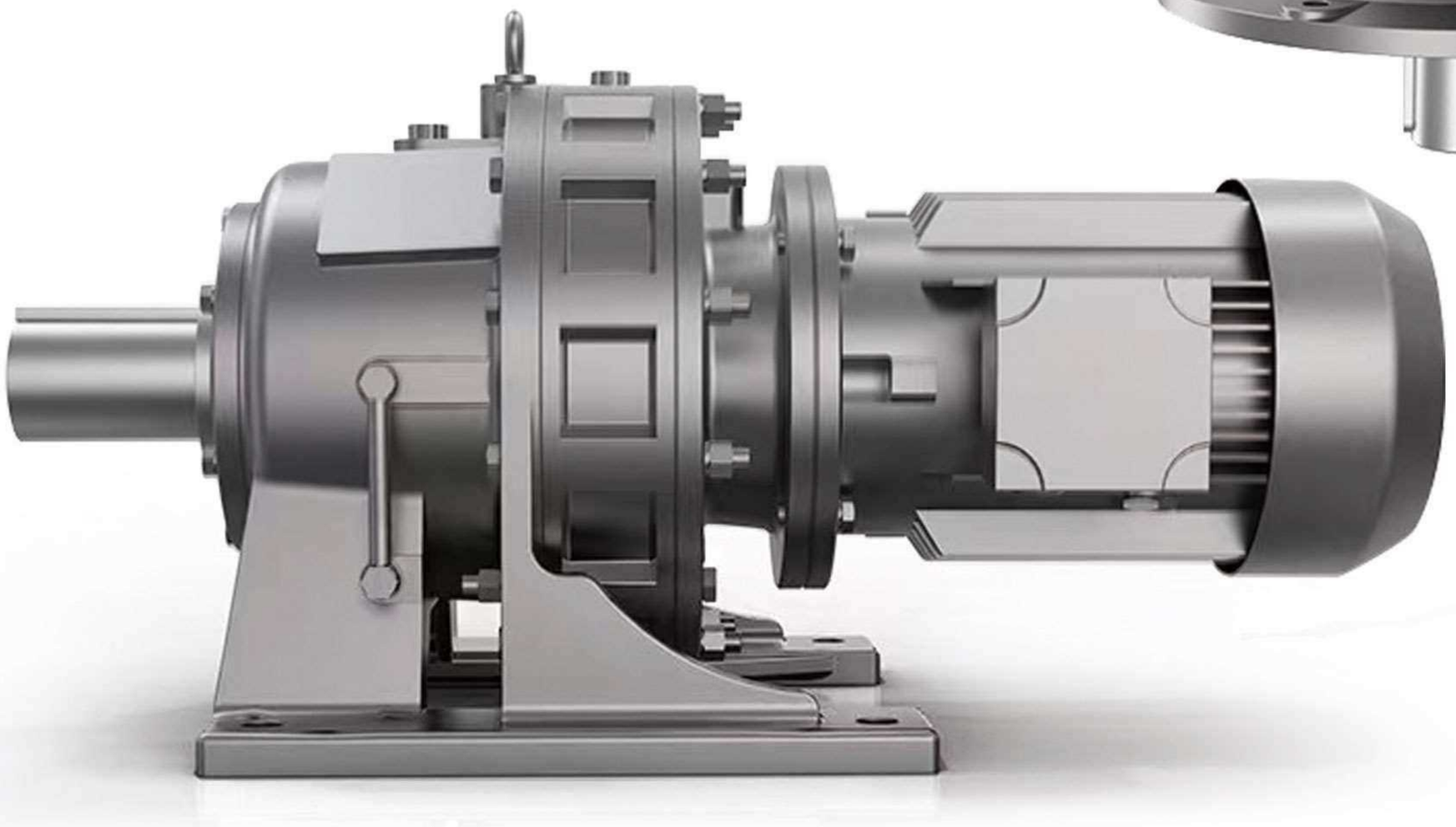




附表 6

| 规格 | H(mm) | L1(mm) | L2(mm) | 辅传减速电机型号 | 辅传工作转速(r/min) |
|---|---|---|---|---|---|
| DTZ160 | 574 | 364 | 461 | GKF39-Y0.75-4P-29.96-M4-DTZ160 | 2.2-3.3 |
| DTZ180 | 609 | 374 | 471 | GKF39-Y1.1-4P-29.96-M4-DTZ180 | 2.1-3.4 |
| DTZ200 | 688 | 408 | 505 | GKF49-Y1.5-4P-35.39-M4-DTZ200 | 1.9-2.9 |
| DTZ224 | 713 | 430 | 527 | GKF49-Y2.2-4P-35.39-M4-DTZ224 | 1.9-2.8 |
| DTZ250 | 768 | 462 | 569 | GKF59-Y2.2-4P-38.49-M4-DTZ250 | 1.7-2.3 |
| DTZ280 | 859 | 507 | 614 | GKF69-Y3-4P-38.39-M4-DTZ280 | 1.7-2.7 |
| DTZ315 | 957 | 573 | 710 | GKF79-Y5.5-4P-39.88-M4-DTZ315 | 1.6-2.5 |
| DTZ355 | 1087 | 635 | 772 | GKF89-Y7.5-4P-44.02-M4-DTZ355 | 1.7-2.3 |
| DTZ400 | 1212 | 684 | 800 | GKF89-Y11-4P-44.02-M4-DTZ400 | 1.8-2.3 |
| DTZ450 | 1282 | 829 | 979 | GKF99-Y11-4P-47.93-M4-DTZ450 | 1.6-2.1 |
| DTZ500 | 1461 | 915 | 1093 | GKF109-Y15-4P-66.52-M4-DTZ500 | 1.1-1.5 |

# 摆线针轮减速机

# SERIES



★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。

# 摆线针轮减速机

## 1 产品概述

### 1.1 产品特性

摆线针轮减速机是参照 JB/T2982 采用少齿差行星式传动原理及摆线针齿啮合的新颖传动机械，广泛应用于纺织印染、轻工食品、冶金矿工、石油化工、起重运输及工程机械等领域中的驱动和减速装置。

1）高速比和高效率

单级传动，就能达到 1：87 的减速比，效率在 90%以上，如果采用多级传动，减速比更大。

2）结构紧凑体积小

采用行星传动原理，输入轴和输出轴在同一轴心上，结构紧凑，体积小。

3）装拆方便，容易维修

结构设计合理，拆装简单，便于维修。

4）运转平稳噪声低

摆线针齿啮合齿数较多，重叠系数大以及具有机件平稳的机理，使振动和噪声控制在最小程度。

5）使用可靠寿命长

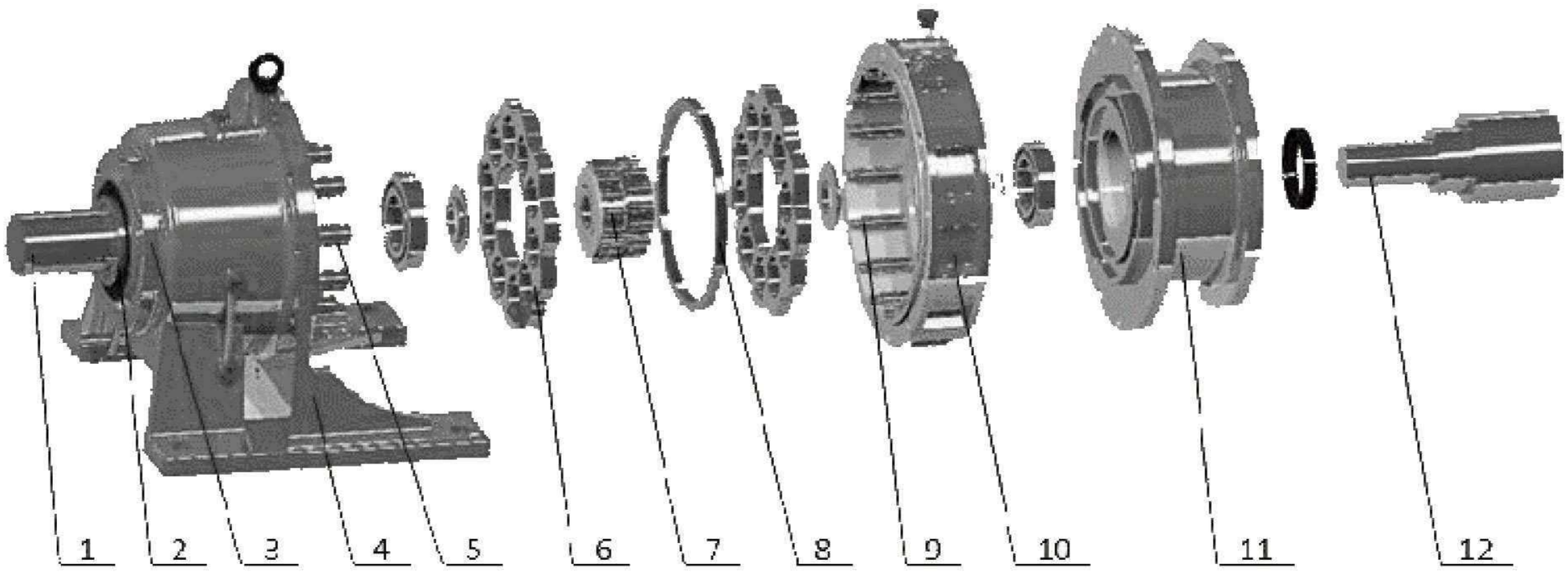
主要传动啮合件采用轴承钢制造、机械性能好，圆滑的滚动摩擦，更经久耐用寿命长。

6）过载能力强、耐冲击、惯性力矩小

适用于启动频繁和正反转的场合。

BX

### 1.2 内部构造




1.输出轴　2.紧固环　3.小端盖　4.机座　5.销轴、销套　6.摆线轮　7.偏心轴承　8.间隔环　9.针齿销、针齿套　10.针齿壳　11.电机接头　12.输入轴

### 1.3 型号一览

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 一级 | B 系列 | 09 | 0 | 1 | 2 | 3 | 4 | | 5 | 6 | 7 | 8 | 9 | |
| | X 系列 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | |
| 二级 | B 系列 | 10 | 20 | 31 | 41 | 42 | 52 | 53 | 63 | 64 | 74 | 84 | 85 | 95 |
| | X 系列 | 32 | 42 | 53 | 63 | 64 | 84 | 85 | 95 | 96 | 106 | 117 | 118 | 128 |
| 三级 | B 系列 | 2009 | 320 | 420 | 531 | 631 | 742 | 852 | 953 | | | | | |
| | X 系列 | 421 | 542 | 642 | 853 | 953 | 1064 | 1184 | 1285 | | | | | |

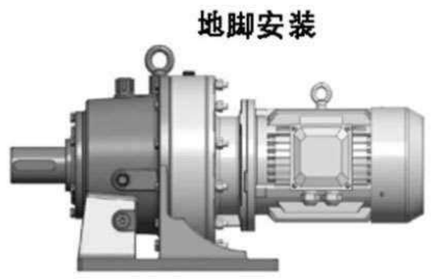
## 1.4 型号表示方法

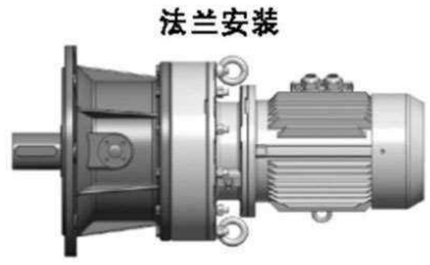
| 产品系列 |
|---|
| B 系列 |
| X 系列 |

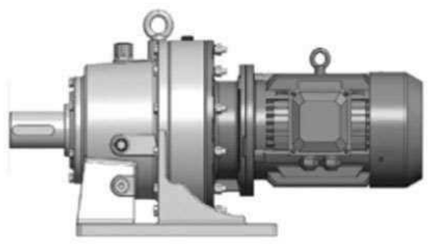
| 安装方式 | |
|---|---|
| 地脚安装 | W |
| 法兰安装 | L |

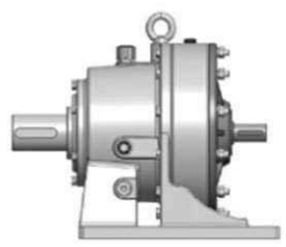
| 减速级 |
|---|
| 一级减速（无标注） |
| 二级减速 E |
| 三级减速 S |

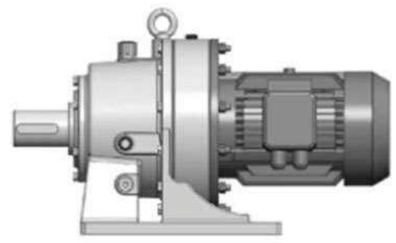
| 输入端连接方式 | |
|---|---|
| 双轴型 | （无标注） |
| 配带电机 | D |


地脚安装


法兰安装


电机接盘型


双轴型


电机直联型

| 电机连接方式 | |
|---|---|
| 电机接盘型 | （无标注） |
| 电机直联型 | CZ |

B W □ D 3 - 17 - Y5.5 - 6P - M4 - 180° - 2 - CZ

- CZ：电机直联
- 2：入线口位置 2
- 180°：电机接线盒方向 180°（参见电机接线盒位置及入线口表示方法）
- M4：M4 安装形式（参见安装型式图例）
- 6P：六极电机（不注明时默认为 4P）
- Y5.5：电机功率 5.5kW（参见选型参数表）
- 17：减速比 17（参见选型参数表）
- 3：型号 3（参见选型参数表）
- D：配带电动机
- W：地脚安装
- □：一级减速
- B：B 系列摆线针轮减速机

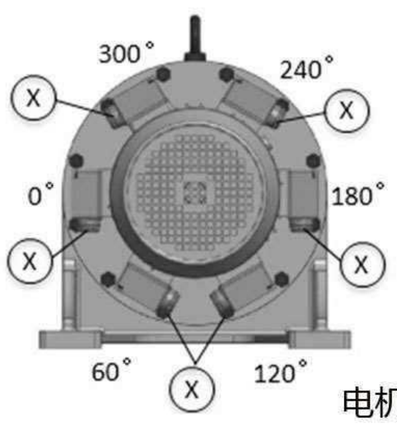
## 1.5 减速比一览

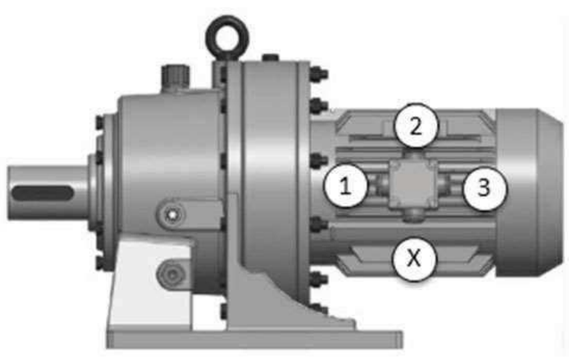
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 一级 | 7 | 9 | 11 | 13 | 15 | 17 | 19 | 23 |
| | 29 | 35 | 43 | 59 | 71 | 87 | | |
| 二级 | 99 (11×9) | 121 (11×11) | 187 (17×11) | 289 (17×17) | 319 (29×11) | 391 (23×17) | 493 (29×17) | 595 (35×17) |
| | 649 (59×11) | 731 (43×17) | 841 (29×29) | 1003 (59×17) | 1225 (35×35) | 1357 (59×23) | 1505 (43×35) | 1849 (43×43) |
| | 2065 (59×35) | 2537 (59×43) | 3053 (71×43) | 3481 (59×59) | 4189 (71×59) | 5133 (87×59) | 6177 (87×71) | 7569 (87×87) |
| 三级 | 8041～658503 | | | | | | | |

注：1. 凡一级传动提供的减速比，二级、三级传动均可组合；

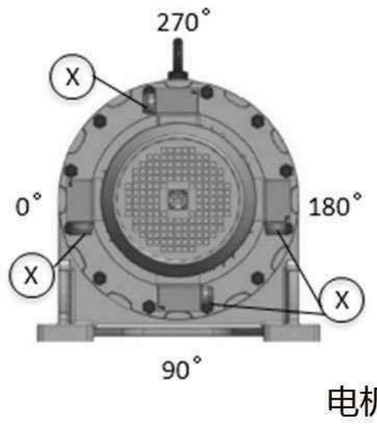
2. 二级、三级减速比一般组合原则为：高速端为减速比小的一端，低速端为减速比大的一端。

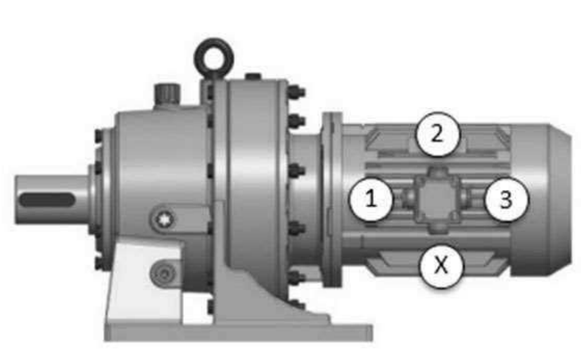
## 1.6 配置电机接线盒位置及入线口表示方法




电机直联型



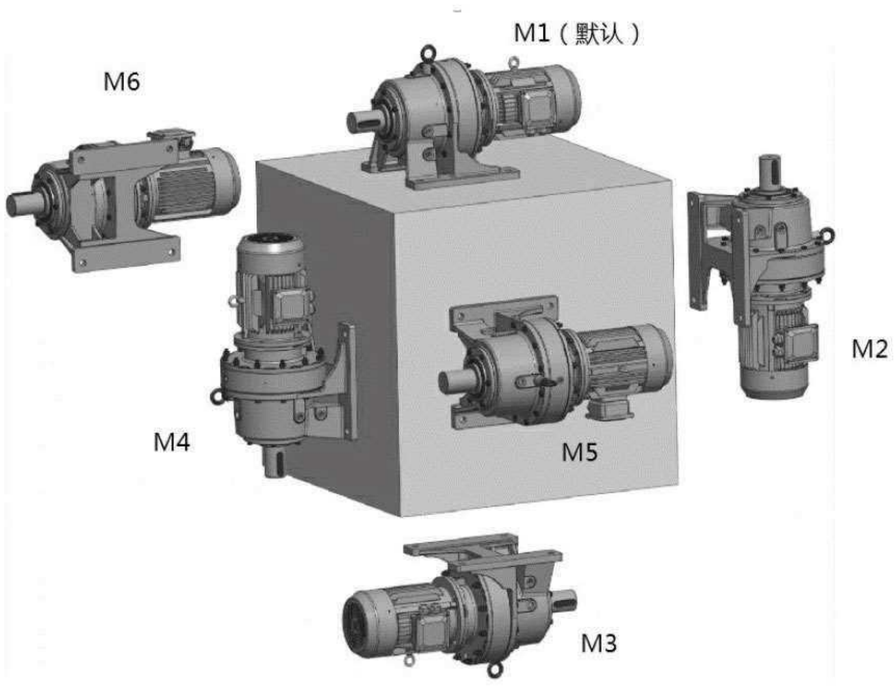



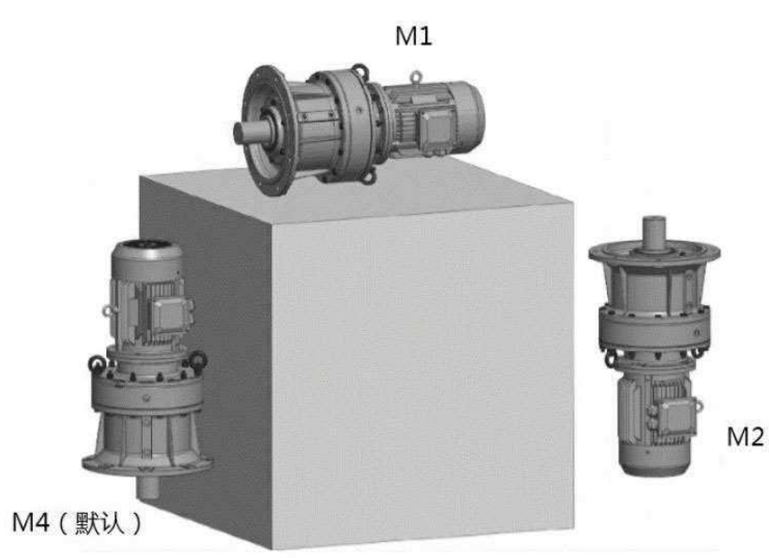

电机接盘型

注：1. 不注明接线盒方向时，则默认为图示中的 0°位置；不注明入线口位置时，则默认为 X 位置；
2. 图示中接线盒方向为常用配置，请优先使用；
3. 上图也同样适用于二级、三级传动机型。
4. 如有其它特殊要求，请与我们公司技术部联系。

BX

## 1.7 安装型式图例




注：地脚式安装时，M1 为默认安装型式；法兰式安装时，M4 为默认安装型式。（书写型号时可忽略）请优先选用。

## 1.8 减速机各种标准机型对照表

| 减速机标准 | 一级 | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JB/T2982-94A | X1 | X2 | X3 | X4 | X5 | X6 | X7 | X8 | X9 | X10 | X11 | X12 | |
| JB/T2982-94B | B09 | B0 | B1 | B2 | B3 | B4 | | B5 | B6 | B7 | B8 | B9 | |
| JB/T2982-81 | | B12 | B15 | B18 | B22 | B27 | | B33 | B39 | B45 | B55 | B65 | |
| 上海标 | B10A | B10 | B11 | B12 | B13 | B14 | B14A | B15 | B16 | B17 | B18 | B19 | |
| | | | B11A | B12B | B13B | | | | B16B | | | | |
| 减速机标准 | 二级 | | | | | | | | | | | | |
| JB/T2982-94A | X32 | X42 | X53 | X63 | X64 | X74 | X84 | X85 | X95 | X96 | X106 | X117 | X118 | X128 |
| JB/T2982-94B | B10 | B20 | B31 | B41 | B42 | | B52 | B53 | B63 | B64 | B74 | B84 | B85 | B95 |
| JB/T2982-81 | B1512 | B1812 | B2215 | B2715 | B2718 | | B3318 | B3322 | B3922 | B3927 | B4527 | B5527 | B5533 | B6533 |
| 上海标 | B110A | B120A | B131A | B141A | B142A | | B152 | B153 | B163 | B164 | B174 | B184A | | B195 |

注：不同标准相应机型号，性能指标基本相同，外形、安装和联接尺寸略有不同。以上型号我公司均可生产，请优先选用 JB/T2982 标准产品。

# 2 选型资料

## 2.1 选型步骤

1. 安装方式的选用

一般由用户根据安装布置形式来确定。

2. 实际工况系数 $f_A$ 的确定

1）一般使用要求

$f_A$ 主要由工作机的载荷特性、工作时间和起停次数决定。即：$f_A=f_{Ah}\times f_{Ac}$。

式中 $f_{Ah}$ 是由载荷特性和工作时间两个因素决定的工况系数。常用工作机的 $f_{Ah}$ 可参考工况系数 $f_{Ah}$ 选定。其他工作机的工况系数，可用类比法确定。

式中 $f_{Ac}$ 由启、停次数决定。可参考表工况系数 $f_{Ac}$ 确定。注意启、停要各计一次。

2）特殊使用要求

若环境温度特别高，要考虑增加温度工况系数 $f_{At}$。可参考表工况系数 $f_{At}$ 确定。

若要减速机具有特别高的可靠性，则要增加必要的安全系数 $f_{As}$。

数值不能确定时，请与我公司技术部联系。

3. 型号（规格）的确定

必须满足 $f_B\geq f_A$

1）电机与减速机直联或通过联轴器联接

a、在选型参数表中找到相应的电机功率、极数。

b、在此功率和极数下，初步选用一个具有相近传动比的机型，并记录其使用系数 $f_B$。

c、比较，若满足条件 $f_B\geq f_A$，则就是可用机型。否则，加大机型，直到满足条件。

2）电机与减速机之间具有前置减速联接

如电机与减速机之间通过齿轮、皮带、链轮等减速装置联接，由于输入转矩的增加，须把电机功率折算到减速机输入轴上，即把电机功率乘以前置减速装置的传动比。用折算的功率，按前述（1）中的方法选取。此时，仍要注意电机极数不变。

4.径向载荷校验

减速机轴头装有齿轮、皮带轮、链轮时，将产生较大的径向载荷。此时，必须进行径向载荷检验。方法见选型参数释义中有关内容。若径向载荷超出许用值，可选用更大规格机型。

## 2.2 工况系数一览

| 工况系数 $f_{Ah}$ | | | | | | | |
|---|---|---|---|---|---|---|---|
| 应用 | 8h/天 | 16h/天 | 24h/天 | 应用 | 8h/天 | 16h/天 | 24h/天 |
| **食品工业** | | | | **磨机** | | | |
| 粉碎机 | 1.75 | 2 | 2.25 | 球磨机，棒磨机 | 1.75 | 1.75 | 1.75 |
| 甜菜切片机 揉面机 | 1.25 | 1.5 | 1.75 | 锤磨机，粉碎机 | 1.5 | 1.75 | 2 |
| 碾肉机 | 1.25 | 1.5 | 1.5 | **印刷和制纸技术** | | | |
| 填充机 | 0.8～1* | 1 | 1.25 | 切割机 | 1 | 1.25 | 1.5 |
| 和面机 | 1 | 1.25 | 1.5 | 卷筒 | 0.8～1* | 1 | 1.25 |
| 挤压机 | 1.25 | 1.5 | 1.75 | 打包进料机 | 1 | 1.25 | 1.25 |
| 甘蔗切碎机 | 1.75 | 1.75 | 1.75 | **电梯** | | | |
| 榨糖机 | 1.75 | 1.75 | 1.75 | 提升机 | 1.25 | 1.5 | 1.75 |
| 烤面包机 | 1.25 | 1.25 | 1.25 | 货运电梯 | 1.25 | 1.5 | 1.75 |
| **辅助动力、伺服电机** | | | | 自动扶梯 | 1.25 | 1.25 | 1.5 |
| 微动装置，无载荷 | 0.8～1* | | | **纺织工业** | | | |
| 普通载荷 | 1.25 | 1.25 | 1.25 | 织机 | 1.25 | 1.5 | 1.75 |
| **压缩机** | | | | 纺纱机 | 0.8～1* | 1 | 1.25 |
| 离心式 | 1 | 1.25 | 1.5 | 洗涤机 | 1 | 1.25 | 1.5 |
| 轴流式 | 1 | 1.25 | 1.5 | **输送机** | | | |
| **过滤机** | 1 | 1.25 | 1.5 | 斗式输送机 | 1.5 | 1.75 | 1.75 |
| **建筑业** | | | | 平衡加荷或喂料 | 0.8～1* | 1 | 1.25 |
| 水泥搅拌机 | 1.25 | 1.5 | 1.75 | 重载链和螺旋输送 | 1.25 | 1.5 | 1.5 |
| 水泥厂 | 1.5 | 1.75 | 2 | 振动输送机 | 1.5 | 1.75 | 2 |
| 灰泥喷射机 | 0.8～1* | 1 | 1.25 | 卷扬机 | 1.5 | 1.75 | 1.75 |
| **发电机** | 0.8～1* | 1 | 1.25 | 皮带输送机 | 1.25 | 1.5 | 1.5 |
| **水处理、环保** | | | | 绞车 | 1.5 | 1.75 | 1.75 |
| 曝气机 | 1.75 | 2 | 2 | **刮板式输送机** | 1.25 | 1.25 | 1.5 |
| 普通通风装置 | 1.5 | 1.5 | 1.5 | **风扇** | | | |
| 旋转木马式通风装置 | 1.75 | 1.75 | 1.75 | 离心式风扇 | 0.8～1* | 1 | 1.25 |
| 条栅式筛子 搜集器 | 0.8～1* | 1 | 1.25 | 工业风扇 | 1 | 1.25 | 1.5 |
| 螺旋泵 | 1 | 1.25 | 1.5 | 冷却塔动力 | 1.75 | 1.75 | 1.75 |
| **筛子** | | | | 冷却塔风扇 | 1.75 | 2 | 2 |
| 旋转式（石头、砂） | 1 | 1.25 | 1.5 | **包装机械** | | | |
| 行进式吸水机 | 0.8～1* | 1 | 1.25 | 纸板堆叠机械 | 1.25 | 1.5 | 1.75 |
| **农用机械** | | | | 打包机 | 0.8～1* | 1 | 1.25 |
| 施肥平土机 | 0.8～1* | 1 | | **机床设备** | | | |
| 收割机 | 0.8～1* | 1 | | 平面刨床，龙门刨床，弯轧机 | 1.25 | 1.5 | 1.75 |
| **起重机械** | | | | | | | |
| 行走机构 | 1.5 | 1.75 | 2 | 主动力，进给动力 | 1 | 1.25 | 1.5 |
| 回转机构 | 1.25 | 1.5 | 2 | 进给和辅助动力 | 0.8～1* | 1 | 1.25 |
| 起升机构 | 1.25 | 1.5 | 1.75 | 压力机 | 1.75 | 2 | 2 |
| 转臂式起重机 | 1.25 | 1.5 | 1.75 | 折弯机 | 1.5 | 1.75 | 2 |
| **混合机** | | | | 剪板机 | 1.75 | 2 | 2 |
| 均匀密度 | 1.25 | 1.5 | 1.5 | **钢铁工业** | | | |
| 不均匀密度 | 1.5 | 1.75 | 1.75 | 拉线机 | 1.25 | 1.5 | 1.75 |
| **木材和塑料工业** | | | | 绕线机 | 1.25 | 1.75 | 1.75 |
| 电锯的主动力 | 1.5 | 1.75 | 2 | 轧辊辊道：无回转 | | | |
| 电锯的进给动力 | 1 | 1.25 | 1.5 | -组合拉力 | 1.25 | 1.5 | 1.75 |
| 砍木机 | 1.5 | 1.75 | 2 | -独立动力 | 1.5 | 1.75 | 2 |
| 胶合板胶合机 | 0.8～1* | 1 | 1.25 | **泵** | | | |
| 钻孔机 | 0.8～1* | 1 | 1.25 | 离心式风扇 | 1 | 1.25 | 1.5 |
| 挤压机 | 1.25 | 1.5 | 1.75 | 旋转式，齿轮型，叶轮型，叶片型 | 0.8～1* | 1 | 1.25 |
| **搅拌机** | | | | | | | |
| 纯液体（均匀密度） | 1.25 | 1.5 | 1.5 | 活塞泵：单缸 | 1.5 | 1.75 | 2 |
| 非均匀密度的液体 | 1.5 | 1.75 | 2 | 多缸 | 1.25 | 1.5 | 1.75 |
| 液体和固体 | 1.5 | 1.75 | 2 | 螺旋泵 | 1 | 1.25 | 1.5 |

| 工况系数 $f_{Ac}$ | |
|---|---|
| 启停次数/每小时 | |
| < 10 | 1 |
| < 100 | 1.15 |
| < 500 | 1.25 |

| 工况系数 $f_{At}$ | | | | | |
|---|---|---|---|---|---|
| 环境 | +20℃... | +20℃... | +30℃... | +40℃... | +50℃... |
| 温度 | | +30℃... | +40℃... | +50℃... | +60℃... |
| $f_{At}$ | 1 | 1.05 | 1.15 | 1.3 | 1.5 |

注：*=0.8，假如运行时间少于 3 小时/天，并无径向载荷作用。

这些工况系数特别适用于电机作为主要动力的场合。对于特殊应用设计，例如启停及正反转频繁场合，请与我们公司技术部联系。



## 2.3 选型参数释义

选型参数表：

**P[kW]**：电机功率。

**$n_a$[r/min]**：输出转速。参考电机满载时的转速和减速机的传动比计算得出，单位为转/分钟。

**$M_a$[Nm]**：电机满载时输出轴上可以产生的转矩。此输出转矩已考虑了减速机的传动效率。

**[i]**：减速机从输入到输出间的减速比。

**$F_{ra}$[kN]**：输出轴轴伸中点处的许用径向载荷（载荷作用点在轴端处时，表中 Fra 应乘以 0.4）。工作元件的实际径向载荷 $F_r$ 与实际工况系数 $f_A$ 的乘积不得大于此值，即 $f_A \times F_r \leq F_{ra}$（$f_A$ 可参照选型步骤 2 中说明）。

一般工作元件的 $F_r$ 值可由下式求出：

$$F_r = M_r \times f_r / r \qquad (N)$$

其中：$M_r$—工作元件的工作转矩（Nm）

r—工作元件节圆半径（m）

$f_r$—径向载荷系数（可参考如下取值）

| | | | |
|---|---|---|---|
| 单排链轮 | $f_r$=1 | V 型带 | $f_r$=1.5 |
| 一个齿轮或双排链轮 | $f_r$=1.25 | 平型带 | $f_r$=2.5 |

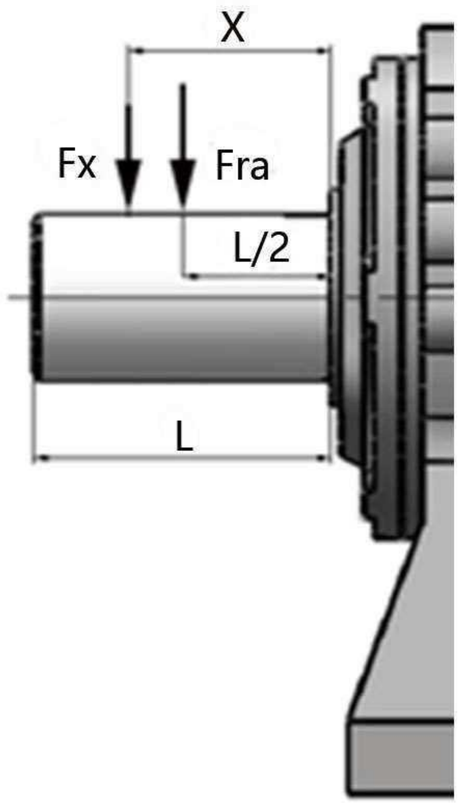
**$f_B$**：使用系数，减速机额定功率与所配用的电机额定功率的比值。它是选择减速器规格的强度依据。

**机型号**：即减速机的机型和规格号（详见减速机型号一览）。其结构尺寸可查阅相应的外形安装尺寸图表。

**极数**：电机极数，减速机可配置四极及以上极数电机。

## 2.4 径向力校核

实际作用点不在输出轴轴伸中间时，需要下述公式对选型表中的许用径向力值进行计算。




BX

当 $0 \le X < L/2$ 时　　$F_x=[1.25-(X/2L)]\times F_{ra}$　　[N]

当 $X=L/2$ 时　　$F_x=F_{ra}$　　[N]

当 $L/2 < X \le L$ 时　　$F_x=[1.6-(1.2X/L)]\times F_{ra}$　　[N]

$F_{ra}$—选型表中给出的许用载荷（作用在 X=L/2 处）

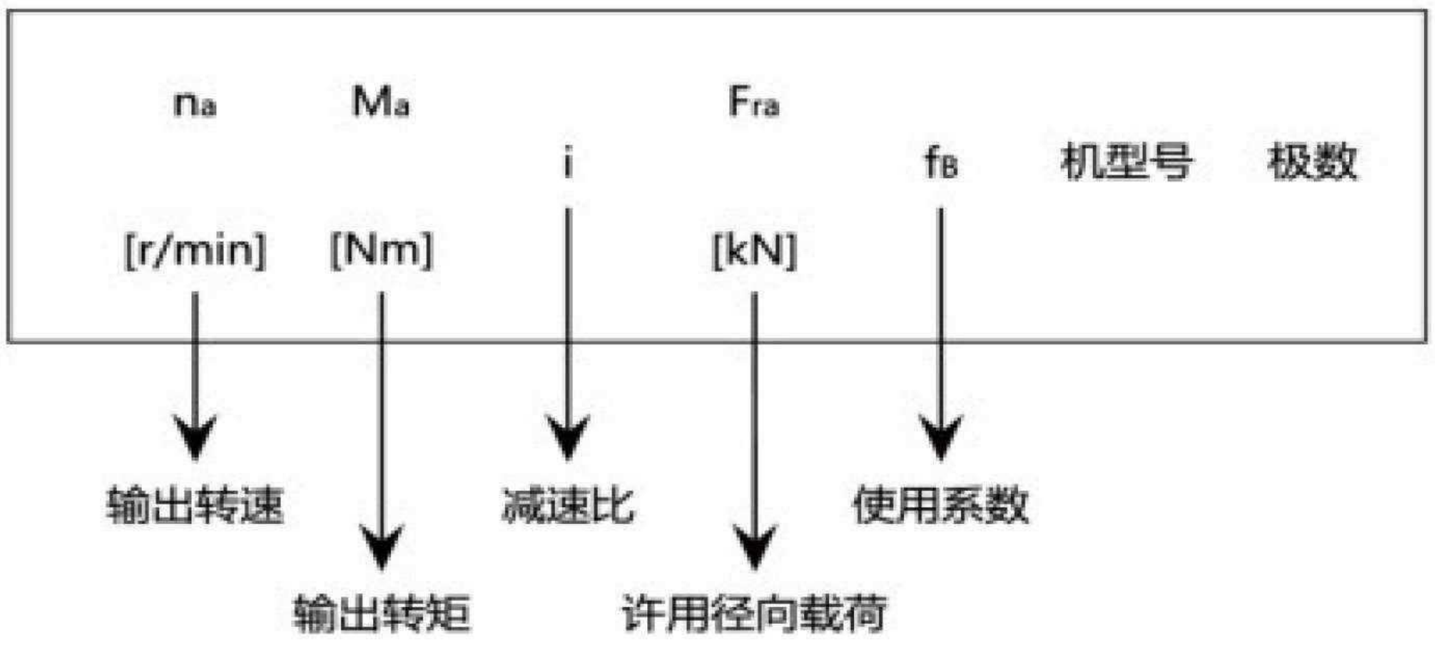
$F_x$—实际作用点的许用径向载荷

X—样本中轴肩到载荷实际作用点的距离

L—输出轴轴伸长度（本样本中给定的长度，参照外形安装尺寸图表）

工作元件的实际径向载荷 $F_r$ 与实际工况系数 $f_A$ 的乘积不得大于实际作用点的许用径向载荷 $F_X$，即 $f_A \times F_r \le F_X$

## 2.5 选型参数表注释



## 2.6 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.18kW | | | 频率 | Hz | 50 | | 0.18kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1315 | 850 | | | | 转速 n | r/min | 1315 | 850 |
| 0.26 | 600 | 5133 | 8.0 | O | | | 30.6 | 51 | 43 | 1.2 | 1.35 | | |
| 0.31 | 600 | 4189 | 8.0 | O | | | 37.6 | 41 | 35 | 1.2 | 1.85 | | |
| 0.38 | 600 | 3481 | 8.0 | O | | | 45.3 | 34 | 29 | 1.2 | 1.85 | | |
| 0.43 | 600 | 3053 | 8.0 | O | | | 57.2 | 27 | 23 | 1.0 | 1.85 | B09 X1 | 4P |
| 0.52 | 600 | 2537 | 8.0 | O | | | 77.4 | 20 | 17 | 1.0 | 2.75 | | |
| 0.64 | 600 | 2065 | 8.0 | O | | | 87.7 | 18 | 15 | 1.0 | 2.75 | | |
| 0.71 | 600 | 1849 | 8.0 | O | | | 101.2 | 15 | 13 | 0.8 | 2.75 | | |
| 0.81 | 600 | 1633 | 8.0 | O | | | 119.5 | 13 | 11 | 0.8 | 2.75 | | |
| 0.87 | 600 | 1505 | 8.0 | O | | | 0.25kW | | | 频率 | Hz | 50 | |
| 0.97 | 600 | 1357 | 8.0 | O | | | | | | 极数 | P | 4 | 6 |
| 1.1 | 600 | 1225 | 8.0 | O | | | | | | 转速 n | r/min | 1340 | 855 |
| 1.3 | 600 | 1003 | 8.0 | O | B20 X42 | 4P | 0.22 | 2500 | 6177 | 15.7 | O | | |
| 1.6 | 600 | 841 | 8.0 | O | | | 0.26 | 2500 | 5133 | 15.7 | O | | |
| 1.8 | 600 | 731 | 8.0 | O | | | 0.32 | 2500 | 4189 | 15.7 | O | | |
| 2.0 | 600 | 649 | 8.0 | O | | | 0.38 | 2500 | 3481 | 15.7 | O | | |
| 2.2 | 583 | 595 | 8.0 | 1.00 | | | 0.44 | 2500 | 3053 | 15.7 | O | | |
| 2.7 | 483 | 493 | 8.0 | 1.20 | | | 0.53 | 2500 | 2537 | 15.7 | O | | |
| 3.4 | 383 | 391 | 8.0 | 1.55 | | | 0.65 | 2500 | 2065 | 15.7 | O | | |
| 4.1 | 313 | 319 | 8.0 | 1.90 | | | 0.72 | 2489 | 1849 | 15.7 | 1.00 | | |
| 4.6 | 283 | 289 | 8.0 | 2.10 | | | 0.82 | 2199 | 1633 | 15.7 | 1.10 | B41 X63 | 4P |
| 5.2 | 248 | 253 | 8.0 | 2.40 | | | 0.89 | 2026 | 1505 | 15.7 | 1.20 | | |
| 7.0 | 183 | 187 | 8.0 | 3.25 | | | 1.0 | 1813 | 1357 | 15.7 | 1.35 | | |
| 8.0 | 162 | 165 | 8.0 | 3.65 | | | 1.1 | 1637 | 1225 | 15.7 | 1.50 | | |
| 9.2 | 140 | 143 | 8.0 | 3.75 | | | 1.3 | 1340 | 1003 | 15.7 | 1.85 | | |
| 10.9 | 119 | 121 | 8.0 | 3.75 | | | 1.6 | 1124 | 841 | 15.7 | 2.20 | | |
| 0.31 | 240 | 4189 | 5.2 | O | | | 1.8 | 977 | 731 | 15.7 | 2.50 | | |
| 0.38 | 240 | 3481 | 5.2 | O | | | 2.1 | 867 | 649 | 15.7 | 2.85 | | |
| 0.43 | 240 | 3053 | 5.2 | O | | | 2.3 | 795 | 595 | 15.7 | 3.10 | | |
| 0.52 | 240 | 2537 | 5.2 | O | | | 2.7 | 659 | 493 | 15.7 | 3.75 | | |
| 0.64 | 240 | 2065 | 5.2 | O | | | 0.22 | 1250 | 6177 | 11.6 | O | | |
| 0.71 | 240 | 1849 | 5.2 | O | | | 0.26 | 1250 | 5133 | 11.6 | O | | |
| 0.81 | 240 | 1633 | 5.2 | O | | | 0.32 | 1250 | 4189 | 11.6 | O | | |
| 0.87 | 240 | 1505 | 5.2 | O | | | 0.38 | 1250 | 3481 | 11.6 | O | | |
| 1.0 | 240 | 1357 | 5.2 | O | | | 0.44 | 1250 | 3053 | 11.6 | O | | |
| 1.1 | 240 | 1225 | 5.2 | O | | | 0.53 | 1250 | 2537 | 11.6 | O | | |
| 1.3 | 240 | 1003 | 5.2 | O | | | 0.65 | 1250 | 2065 | 11.6 | O | | |
| 1.6 | 240 | 841 | 5.2 | O | B10 X32 | 4P | 0.72 | 1250 | 1849 | 11.6 | O | | |
| 1.8 | 240 | 731 | 5.2 | O | | | 0.82 | 1250 | 1633 | 11.6 | O | | |
| 2.0 | 240 | 649 | 5.2 | O | | | 0.89 | 1250 | 1505 | 11.6 | O | | |
| 2.2 | 240 | 595 | 5.2 | O | | | 1.0 | 1250 | 1357 | 11.6 | O | B31 X53 | 4P |
| 2.7 | 240 | 493 | 5.2 | O | | | 1.1 | 1250 | 1225 | 11.6 | O | | |
| 3.4 | 240 | 391 | 5.2 | O | | | 1.3 | 1250 | 1003 | 11.6 | O | | |
| 4.1 | 240 | 319 | 5.2 | O | | | 1.6 | 1124 | 841 | 11.6 | 1.10 | | |
| 4.6 | 240 | 289 | 5.2 | O | | | 1.8 | 977 | 731 | 11.6 | 1.25 | | |
| 5.2 | 240 | 253 | 5.2 | O | | | 2.1 | 867 | 649 | 11.6 | 1.40 | | |
| 7.0 | 183 | 187 | 5.2 | 1.30 | | | 2.3 | 795 | 595 | 11.6 | 1.55 | | |
| 8.0 | 162 | 165 | 5.2 | 1.45 | | | 2.7 | 659 | 493 | 11.6 | 1.85 | | |
| 9.2 | 140 | 143 | 5.2 | 1.70 | | | 3.4 | 522 | 391 | 11.6 | 2.35 | | |
| 10.9 | 119 | 121 | 5.2 | 1.95 | | | 4.2 | 426 | 319 | 11.6 | 2.90 | | |
| 13.3 | 97 | 99 | 5.2 | 2.40 | | | 4.6 | 386 | 289 | 11.6 | 3.20 | | |
| 22.3 | 69 | 59 | 3.0 | 1.85 | | | 5.3 | 338 | 253 | 11.6 | 3.65 | | |
| 30.6 | 51 | 43 | 3.0 | 2.75 | B0 X2 | 4P | 0.26 | 600 | 5133 | 8.0 | O | B20 X42 | 4P |
| 37.6 | 41 | 35 | 2.9 | 2.75 | | | 0.32 | 600 | 4189 | 8.0 | O | | |
| 45.3 | 34 | 29 | 2.9 | 4.10 | | | 0.38 | 600 | 3481 | 8.0 | O | | |
| 57.2 | 27 | 23 | 2.4 | 4.10 | | | 0.44 | 600 | 3053 | 8.0 | O | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.25kW | | | 频率 | Hz | 50 | | 0.25kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1340 | 855 | | | | 转速 n | r/min | 1340 | 855 |
| 0.53 | 600 | 2537 | 8.0 | O | | | 31.2 | 69 | 43 | 1.2 | 0.95 | | |
| 0.65 | 600 | 2065 | 8.0 | O | | | 38.3 | 56 | 35 | 1.2 | 1.35 | | |
| 0.72 | 600 | 1849 | 8.0 | O | | | 46.2 | 47 | 29 | 1.2 | 1.35 | | |
| 0.82 | 600 | 1633 | 8.0 | O | | | 58.3 | 37 | 23 | 1.0 | 1.35 | B09 X1 | 4P |
| 0.89 | 600 | 1505 | 8.0 | O | | | 78.8 | 27 | 17 | 1.0 | 1.95 | | |
| 1.0 | 600 | 1357 | 8.0 | O | | | 89.3 | 24 | 15 | 1.0 | 1.95 | | |
| 1.1 | 600 | 1225 | 8.0 | O | | | 103.1 | 21 | 13 | 0.8 | 1.95 | | |
| 1.3 | 600 | 1003 | 8.0 | O | | | 121.8 | 18 | 11 | 0.8 | 1.95 | | |
| 1.6 | 600 | 841 | 8.0 | O | | | 148.9 | 14 | 9 | 0.8 | 2.60 | | |
| 1.8 | 600 | 731 | 8.0 | O | B20 X42 | 4P | 0.37kW | | | 频率 | Hz | 50 | |
| 2.1 | 600 | 649 | 8.0 | O | | | | | | 极数 | P | 4 | 6 |
| 2.3 | 600 | 595 | 8.0 | O | | | | | | 转速 n | r/min | 1340 | 885 |
| 2.7 | 600 | 493 | 8.0 | O | | | 0.22 | 2500 | 6177 | 15.7 | O | | |
| 3.4 | 522 | 391 | 8.0 | 1.10 | | | 0.26 | 2500 | 5133 | 15.7 | O | | |
| 4.2 | 426 | 319 | 8.0 | 1.35 | | | 0.32 | 2500 | 4189 | 15.7 | O | | |
| 4.6 | 386 | 289 | 8.0 | 1.50 | | | 0.38 | 2500 | 3481 | 15.7 | O | | |
| 5.3 | 338 | 253 | 8.0 | 1.75 | | | 0.44 | 2500 | 3053 | 15.7 | O | | |
| 7.2 | 250 | 187 | 8.0 | 2.35 | | | 0.53 | 2500 | 2537 | 15.7 | O | | |
| 8.1 | 220 | 165 | 8.0 | 2.70 | | | 0.65 | 2500 | 2065 | 15.7 | O | | |
| 9.4 | 191 | 143 | 8.0 | 3.10 | | | 0.72 | 2500 | 1849 | 15.7 | O | | |
| 11.1 | 162 | 121 | 8.0 | 3.65 | | | 0.82 | 2500 | 1633 | 15.7 | O | | |
| 0.32 | 240 | 4189 | 5.2 | O | | | 0.89 | 2500 | 1505 | 15.7 | O | | |
| 0.38 | 240 | 3481 | 5.2 | O | | | 0.99 | 2500 | 1357 | 15.7 | O | B41 X63 | 4P |
| 0.44 | 240 | 3053 | 5.2 | O | | | 1.1 | 2500 | 1225 | 15.7 | O | | |
| 0.53 | 240 | 2537 | 5.2 | O | | | 1.3 | 1984 | 1003 | 15.7 | 1.00 | | |
| 0.65 | 240 | 2065 | 5.2 | O | | | 1.6 | 1663 | 841 | 15.7 | 1.20 | | |
| 0.72 | 240 | 1849 | 5.2 | O | | | 1.8 | 1446 | 731 | 15.7 | 1.40 | | |
| 0.82 | 240 | 1633 | 5.2 | O | | | 2.1 | 1284 | 649 | 15.7 | 1.60 | | |
| 0.89 | 240 | 1505 | 5.2 | O | | | 2.3 | 1177 | 595 | 15.7 | 1.75 | | |
| 1.0 | 240 | 1357 | 5.2 | O | | | 2.7 | 975 | 493 | 15.7 | 2.10 | | |
| 1.1 | 240 | 1225 | 5.2 | O | | | 3.4 | 773 | 391 | 15.7 | 2.65 | | |
| 1.3 | 240 | 1003 | 5.2 | O | | | 4.2 | 631 | 319 | 15.7 | 3.25 | | |
| 1.6 | 240 | 841 | 5.2 | O | B10 X32 | 4P | 4.6 | 572 | 289 | 15.7 | 3.60 | | |
| 1.8 | 240 | 731 | 5.2 | O | | | 0.22 | 1250 | 6177 | 11.6 | O | | |
| 2.1 | 240 | 649 | 5.2 | O | | | 0.26 | 1250 | 5133 | 11.6 | O | | |
| 2.3 | 240 | 595 | 5.2 | O | | | 0.32 | 1250 | 4189 | 11.6 | O | | |
| 2.7 | 240 | 493 | 5.2 | O | | | 0.38 | 1250 | 3481 | 11.6 | O | | |
| 3.4 | 240 | 391 | 5.2 | O | | | 0.44 | 1250 | 3053 | 11.6 | O | | |
| 4.2 | 240 | 319 | 5.2 | O | | | 0.53 | 1250 | 2537 | 11.6 | O | | |
| 4.6 | 240 | 289 | 5.2 | O | | | 0.65 | 1250 | 2065 | 11.6 | O | | |
| 5.3 | 240 | 253 | 5.2 | O | | | 0.72 | 1250 | 1849 | 11.6 | O | | |
| 7.2 | 240 | 187 | 5.2 | O | | | 0.82 | 1250 | 1633 | 11.6 | O | | |
| 8.1 | 220 | 165 | 5.2 | 1.05 | | | 0.89 | 1250 | 1505 | 11.6 | O | | |
| 9.4 | 191 | 143 | 5.2 | 1.20 | | | 1.0 | 1250 | 1357 | 11.6 | O | B31 X53 | 4P |
| 11.1 | 162 | 121 | 5.2 | 1.45 | | | 1.1 | 1250 | 1225 | 11.6 | O | | |
| 13.5 | 132 | 99 | 5.2 | 1.80 | | | 1.3 | 1250 | 1003 | 11.6 | O | | |
| 18.9 | 114 | 71 | 5.2 | 2.05 | | | 1.6 | 1250 | 841 | 11.6 | O | | |
| 22.7 | 95 | 59 | 4.8 | 2.50 | B1 X3 | 4P | 1.8 | 1250 | 731 | 11.6 | O | | |
| 28.5 | 75 | 47 | 4.4 | 3.15 | | | 2.1 | 1250 | 649 | 11.6 | O | | |
| 31.2 | 69 | 43 | 4.3 | 3.45 | | | 2.3 | 1177 | 595 | 11.6 | 1.05 | | |
| 22.7 | 95 | 59 | 3.0 | 1.35 | | | 2.7 | 975 | 493 | 11.6 | 1.25 | | |
| 31.2 | 69 | 43 | 3.0 | 2.00 | B0 X2 | 4P | 3.4 | 773 | 391 | 11.6 | 1.60 | | |
| 38.3 | 56 | 35 | 2.9 | 2.00 | | | 4.2 | 631 | 319 | 11.6 | 1.95 | | |
| 46.2 | 47 | 29 | 2.9 | 2.95 | | | 4.6 | 572 | 289 | 11.6 | 2.15 | | |
| 58.3 | 37 | 23 | 2.4 | 2.95 | | | 5.3 | 500 | 253 | 11.6 | 2.45 | | |

BX

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 0.37kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1340 | 885 |
| 7.2 | 370 | 187 | 11.6 | 3.35 | B31 | 4P |
| 8.1 | 326 | 165 | 11.6 | 3.60 | X53 | |
| 2.1 | 600 | 649 | 8.0 | O | | |
| 2.3 | 600 | 595 | 8.0 | O | | |
| 2.7 | 600 | 493 | 8.0 | O | | |
| 3.4 | 600 | 391 | 8.0 | O | | |
| 4.2 | 600 | 319 | 8.0 | O | | |
| 4.6 | 572 | 289 | 8.0 | 1.00 | B20 | 4P |
| 5.3 | 500 | 253 | 8.0 | 1.15 | X42 | |
| 7.2 | 370 | 187 | 8.0 | 1.60 | | |
| 8.1 | 326 | 165 | 8.0 | 1.80 | | |
| 9.4 | 283 | 143 | 8.0 | 2.10 | | |
| 11.1 | 239 | 121 | 8.0 | 2.45 | | |
| 13.5 | 196 | 99 | 8.0 | 2.70 | | |
| 5.3 | 240 | 253 | 5.2 | O | | |
| 7.2 | 240 | 187 | 5.2 | O | | |
| 8.1 | 240 | 165 | 5.2 | O | B10 | 4P |
| 9.4 | 240 | 143 | 5.2 | O | X32 | |
| 11.1 | 240 | 121 | 5.2 | O | | |
| 13.5 | 196 | 99 | 5.2 | 1.20 | | |
| 18.9 | 169 | 71 | 5.2 | 1.40 | | |
| 22.7 | 140 | 59 | 4.8 | 1.70 | | |
| 28.5 | 112 | 47 | 4.4 | 2.10 | B1 | 4P |
| 31.2 | 102 | 43 | 4.3 | 2.30 | X3 | |
| 38.3 | 83 | 35 | 3.8 | 2.85 | | |
| 46.2 | 69 | 29 | 3.2 | 3.45 | | |
| 22.7 | 140 | 59 | 3.0 | 0.90 | | |
| 31.2 | 102 | 43 | 3.0 | 1.35 | | |
| 38.3 | 83 | 35 | 2.9 | 1.35 | | |
| 46.2 | 69 | 29 | 2.9 | 2.00 | | |
| 58.3 | 55 | 23 | 2.4 | 2.00 | B0 | |
| 78.8 | 40 | 17 | 2.3 | 2.70 | X2 | 4P |
| 89.3 | 36 | 15 | 2.2 | 2.70 | | |
| 103.1 | 31 | 13 | 2.0 | 2.70 | | |
| 121.8 | 26 | 11 | 1.9 | 2.70 | | |
| 148.9 | 21 | 9 | 1.9 | 2.70 | | |
| 191.4 | 17 | 7 | 1.5 | 2.70 | | |
| 38.3 | 83 | 35 | 1.2 | 0.90 | | |
| 46.2 | 69 | 29 | 1.2 | 0.90 | | |
| 58.3 | 55 | 23 | 1.0 | 0.90 | | |
| 78.8 | 40 | 17 | 1.0 | 1.35 | B09 | 4P |
| 89.3 | 36 | 15 | 1.0 | 1.35 | X1 | |
| 103.1 | 31 | 13 | 0.8 | 1.35 | | |
| 121.8 | 26 | 11 | 0.8 | 1.35 | | |
| 148.9 | 21 | 9 | 0.8 | 2.00 | | |
| 0.55kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1390 | 885 |
| 0.18 | 5000 | 7569 | 33.1 | O | | |
| 0.23 | 5000 | 6177 | 33.1 | O | | |
| 0.27 | 5000 | 5133 | 33.1 | O | B52 | |
| 0.33 | 5000 | 4189 | 33.1 | O | X84 | 4P |
| 0.40 | 5000 | 3481 | 33.1 | O | | |
| 0.46 | 5000 | 3053 | 33.1 | O | | |
| 0.55 | 5000 | 2537 | 33.1 | O | | |

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 0.55kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1390 | 885 |
| 0.67 | 5000 | 2065 | 33.1 | O | | |
| 0.75 | 5000 | 1849 | 33.1 | O | | |
| 0.85 | 4628 | 1633 | 33.1 | 1.05 | | |
| 0.92 | 4265 | 1505 | 33.1 | 1.15 | | |
| 1.0 | 3846 | 1357 | 33.1 | 1.30 | | |
| 1.1 | 3472 | 1225 | 33.1 | 1.40 | B52 | 4P |
| 1.4 | 2843 | 1003 | 33.1 | 1.75 | X84 | |
| 1.7 | 2383 | 841 | 33.1 | 2.05 | | |
| 1.9 | 2072 | 731 | 33.1 | 2.40 | | |
| 2.1 | 1839 | 649 | 33.1 | 2.70 | | |
| 2.3 | 1686 | 595 | 33.1 | 2.95 | | |
| 2.8 | 1397 | 493 | 33.1 | 3.55 | | |
| 0.18 | 2500 | 7569 | 15.7 | O | B42/X64/X74 | 4P |
| 0.75 | 2500 | 1849 | 15.7 | O | | |
| 0.85 | 2500 | 1633 | 15.7 | O | | |
| 0.92 | 2500 | 1505 | 15.7 | O | | |
| 1.0 | 2500 | 1357 | 15.7 | O | | |
| 1.1 | 2500 | 1225 | 15.7 | O | | |
| 1.4 | 2500 | 1003 | 15.7 | O | | |
| 1.7 | 2383 | 841 | 15.7 | 1.00 | B41 | 4P |
| 1.9 | 2072 | 731 | 15.7 | 1.20 | X63 | |
| 2.1 | 1839 | 649 | 15.7 | 1.35 | | |
| 2.3 | 1686 | 595 | 15.7 | 1.45 | | |
| 2.8 | 1397 | 493 | 15.7 | 1.75 | | |
| 3.6 | 1108 | 391 | 15.7 | 2.25 | | |
| 4.4 | 904 | 319 | 15.7 | 2.75 | | |
| 4.8 | 819 | 289 | 15.7 | 3.05 | | |
| 5.5 | 717 | 253 | 15.7 | 3.45 | | |
| 1.4 | 1250 | 1003 | 11.6 | O | | |
| 1.7 | 1250 | 841 | 11.6 | O | | |
| 1.9 | 1250 | 731 | 11.6 | O | | |
| 2.1 | 1250 | 649 | 11.6 | O | | |
| 2.3 | 1250 | 595 | 11.6 | O | | |
| 2.8 | 1250 | 493 | 11.6 | O | | |
| 3.6 | 1108 | 391 | 11.6 | 1.10 | B31 | 4P |
| 4.4 | 904 | 319 | 11.6 | 1.35 | X53 | |
| 4.8 | 819 | 289 | 11.6 | 1.50 | | |
| 5.5 | 717 | 253 | 11.6 | 1.70 | | |
| 7.4 | 530 | 187 | 11.6 | 2.35 | | |
| 8.4 | 468 | 165 | 11.6 | 2.65 | | |
| 9.7 | 405 | 143 | 11.6 | 3.05 | | |
| 11.5 | 343 | 121 | 11.6 | 3.60 | | |
| 3.6 | 600 | 391 | 8.0 | O | | |
| 4.4 | 600 | 319 | 8.0 | O | | |
| 4.8 | 600 | 289 | 8.0 | O | | |
| 5.5 | 600 | 253 | 8.0 | O | B20 | 4P |
| 7.4 | 530 | 187 | 8.0 | 1.10 | X42 | |
| 8.4 | 468 | 165 | 8.0 | 1.25 | | |
| 9.7 | 405 | 143 | 8.0 | 1.45 | | |
| 11.5 | 343 | 121 | 8.0 | 1.70 | | |
| 14.0 | 281 | 99 | 8.0 | 1.80 | | |
| 8.4 | 240 | 165 | 5.2 | O | | |
| 9.7 | 240 | 143 | 5.2 | O | B10 | 4P |
| 11.5 | 240 | 121 | 5.2 | O | X32 | |
| 14.0 | 240 | 99 | 5.2 | O | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0.55kW | | | 频率 | Hz | 50 | | 0.75kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1390 | 885 | | | | 转速 n | r/min | 1385 | 910 |
| 16.0 | 247 | 87 | 11.6 | 3.65 | B3* X5* | 4P | 0.33 | 5000 | 4189 | 33.1 | O | | |
| 19.6 | 201 | 71 | 11.6 | 3.65 | | | 0.40 | 5000 | 3481 | 33.1 | O | | |
| 16.0 | 296 | 87 | 8.0 | 1.80 | | | 0.45 | 5000 | 3053 | 33.1 | O | | |
| 19.6 | 241 | 71 | 8.0 | 1.80 | | | 0.55 | 5000 | 2537 | 33.1 | O | | |
| 23.6 | 201 | 59 | 7.4 | 2.70 | B2 X4 | 4P | 0.67 | 5000 | 2065 | 33.1 | O | | |
| 29.6 | 160 | 47 | 6.8 | 3.65 | | | 0.75 | 5000 | 1849 | 33.1 | O | | |
| 32.3 | 146 | 43 | 6.7 | 3.65 | | | 0.85 | 5000 | 1633 | 33.1 | O | | |
| 39.7 | 119 | 35 | 6.0 | 3.65 | | | 0.92 | 5000 | 1505 | 33.1 | O | B52 X84 | 4P |
| 19.6 | 241 | 71 | 5.2 | 0.90 | | | 1.0 | 5000 | 1357 | 33.1 | O | | |
| 23.6 | 201 | 59 | 4.8 | 1.25 | | | 1.1 | 4751 | 1225 | 33.1 | 1.05 | | |
| 29.6 | 160 | 47 | 4.4 | 1.50 | | | 1.4 | 3890 | 1003 | 33.1 | 1.25 | | |
| 32.3 | 146 | 43 | 4.3 | 1.60 | | | 1.6 | 3262 | 841 | 33.1 | 1.50 | | |
| 39.7 | 119 | 35 | 3.8 | 2.00 | B1 X3 | 4P | 1.9 | 2835 | 731 | 33.1 | 1.75 | | |
| 47.9 | 99 | 29 | 3.8 | 2.40 | | | 2.1 | 2517 | 649 | 33.1 | 1.95 | | |
| 60.4 | 78 | 23 | 3.2 | 3.05 | | | 2.3 | 2308 | 595 | 33.1 | 2.15 | | |
| 81.8 | 58 | 17 | 3.0 | 3.65 | | | 2.8 | 1912 | 493 | 33.1 | 2.60 | | |
| 92.7 | 51 | 15 | 2.9 | 3.65 | | | 3.5 | 1517 | 391 | 33.1 | 3.30 | | |
| 106.9 | 44 | 13 | 2.8 | 3.65 | | | 1.0 | 2500 | 1357 | 15.7 | O | | |
| 32.3 | 146 | 43 | 3.0 | 0.90 | | | 1.1 | 2500 | 1225 | 15.7 | O | | |
| 39.7 | 119 | 35 | 2.9 | 0.90 | | | 1.4 | 2500 | 1003 | 15.7 | O | | |
| 47.9 | 99 | 29 | 2.9 | 1.35 | | | 1.6 | 2500 | 841 | 15.7 | O | | |
| 60.4 | 78 | 23 | 2.4 | 1.35 | | | 1.9 | 2500 | 731 | 15.7 | O | | |
| 81.8 | 58 | 17 | 2.3 | 1.80 | B0 X2 | 4P | 2.1 | 2500 | 649 | 15.7 | O | B41 X63 | 4P |
| 92.7 | 51 | 15 | 2.2 | 1.80 | | | 2.3 | 2308 | 595 | 15.7 | 1.05 | | |
| 106.9 | 44 | 13 | 2.0 | 1.80 | | | 2.8 | 1912 | 493 | 15.7 | 1.30 | | |
| 126.4 | 37 | 11 | 1.9 | 1.80 | | | 3.5 | 1517 | 391 | 15.7 | 1.65 | | |
| 154.4 | 31 | 9 | 1.9 | 1.80 | | | 4.3 | 1237 | 319 | 15.7 | 2.00 | | |
| 198.6 | 24 | 7 | 1.8 | 1.80 | | | 4.8 | 1121 | 289 | 15.7 | 2.20 | | |
| 81.8 | 58 | 17 | 1.0 | 0.90 | | | 5.5 | 981 | 253 | 15.7 | 2.55 | | |
| 92.7 | 51 | 15 | 1.0 | 0.90 | B09 X1 | 4P | 7.4 | 725 | 187 | 15.7 | 3.45 | | |
| 106.9 | 44 | 13 | 0.8 | 0.90 | | | 2.1 | 1250 | 649 | 11.6 | O | | |
| 126.4 | 37 | 11 | 0.8 | 0.90 | | | 2.3 | 1250 | 595 | 11.6 | O | | |
| 154.4 | 31 | 9 | 0.8 | 1.20 | | | 2.8 | 1250 | 493 | 11.6 | O | | |
| 0.75kW | | | 频率 | Hz | 50 | | 3.5 | 1250 | 391 | 11.6 | O | | |
| | | | 极数 | P | 4 | 6 | 4.3 | 1237 | 319 | 11.6 | 1.00 | | |
| | | | 转速 n | r/min | 1385 | 910 | 4.8 | 1121 | 289 | 11.6 | 1.10 | B31 X53 | 4P |
| 0.18 | 8800 | 7569 | 52.9 | O | | | 5.5 | 981 | 253 | 11.6 | 1.25 | | |
| 0.22 | 8800 | 6177 | 52.9 | O | | | 7.4 | 725 | 187 | 11.6 | 1.70 | | |
| 0.27 | 8800 | 5133 | 52.9 | O | | | 8.4 | 640 | 165 | 11.6 | 1.95 | | |
| 0.33 | 8800 | 4189 | 52.9 | O | | | 9.7 | 555 | 143 | 11.6 | 2.25 | | |
| 0.40 | 8800 | 3481 | 52.9 | O | | | 11.4 | 469 | 121 | 11.6 | 2.65 | | |
| 0.45 | 8800 | 3053 | 52.9 | O | | | 14.0 | 384 | 99 | 11.6 | 3.25 | | |
| 0.55 | 8800 | 2537 | 52.9 | O | | | 4.8 | 600 | 289 | 8.0 | O | | |
| 0.67 | 8009 | 2065 | 52.9 | 1.10 | B63* X95* | 4P | 5.5 | 600 | 253 | 8.0 | O | | |
| 0.75 | 7172 | 1849 | 52.9 | 1.20 | | | 7.4 | 600 | 187 | 8.0 | O | B20 X42 | 4P |
| 0.85 | 6334 | 1633 | 52.9 | 1.35 | | | 8.4 | 600 | 165 | 8.0 | O | | |
| 0.92 | 5837 | 1505 | 52.9 | 1.50 | | | 9.7 | 555 | 143 | 8.0 | 1.05 | | |
| 1.0 | 5263 | 1357 | 52.9 | 1.65 | | | 11.4 | 469 | 121 | 8.0 | 1.25 | | |
| 1.1 | 4751 | 1225 | 52.9 | 1.85 | | | 14.0 | 384 | 99 | 8.0 | 1.35 | | |
| 1.4 | 3890 | 1003 | 52.9 | 2.25 | | | 11.4 | 240 | 121 | 8.0 | O | B10 X32 | 4P |
| 1.6 | 3262 | 841 | 52.9 | 2.70 | | | 14.0 | 240 | 99 | 8.0 | O | | |
| 1.9 | 2835 | 731 | 52.9 | 3.10 | | | 15.9 | 405 | 87 | 11.6 | 2.70 | | |
| 0.18 | 5000 | 7569 | 33.1 | O | B52 X84 | 4P | 19.5 | 330 | 71 | 11.6 | 2.70 | B3* X5* | 4P |
| 0.22 | 5000 | 6177 | 33.1 | O | | | 23.5 | 275 | 59 | 10.8 | 3.70 | | |
| 0.27 | 5000 | 5133 | 33.1 | O | | | | | | | | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

BX

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 0.75kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1385 | 910 |
| 15.9 | 405 | 87 | 8.0 | 1.35 | | |
| 19.5 | 330 | 71 | 8.0 | 1.35 | | |
| 23.5 | 275 | 59 | 7.4 | 1.95 | B2 X4 | 4P |
| 29.5 | 219 | 47 | 6.8 | 2.70 | | |
| 32.2 | 200 | 43 | 6.7 | 2.70 | | |
| 39.6 | 163 | 35 | 6.0 | 2.70 | | |
| 47.8 | 135 | 29 | 6.0 | 3.95 | | |
| 23.5 | 275 | 59 | 4.8 | 0.85 | | |
| 29.5 | 219 | 47 | 4.4 | 1.10 | | |
| 32.2 | 200 | 43 | 4.3 | 1.20 | | |
| 39.6 | 163 | 35 | 3.8 | 1.45 | | |
| 47.8 | 135 | 29 | 3.8 | 1.75 | | |
| 60.2 | 107 | 23 | 3.2 | 2.25 | B1 X3 | 4P |
| 81.5 | 79 | 17 | 3.0 | 2.70 | | |
| 92.3 | 70 | 15 | 2.9 | 2.70 | | |
| 106.5 | 61 | 13 | 2.8 | 2.70 | | |
| 125.9 | 51 | 11 | 2.6 | 3.95 | | |
| 153.9 | 42 | 9 | 2.6 | 3.95 | | |
| 197.9 | 33 | 7 | 2.5 | 3.95 | | |
| 47.8 | 135 | 29 | 2.9 | 0.95 | | |
| 60.2 | 107 | 23 | 2.4 | 0.95 | | |
| 81.5 | 79 | 17 | 2.3 | 1.35 | | |
| 92.3 | 70 | 15 | 2.2 | 1.35 | B0 X2 | 4P |
| 106.5 | 61 | 13 | 2.0 | 1.35 | | |
| 125.9 | 51 | 11 | 1.9 | 1.35 | | |
| 153.9 | 42 | 9 | 1.9 | 1.35 | | |
| 197.9 | 33 | 7 | 1.8 | 1.35 | | |
| 153.9 | 42 | 9 | 0.8 | 0.85 | B09/X1 | 4P |
| 1.1kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1390 | 910 |
| 0.18 | 8800 | 7569 | 52.9 | O | | |
| 0.23 | 8800 | 6177 | 52.9 | O | | |
| 0.27 | 8800 | 5133 | 52.9 | O | | |
| 0.33 | 8800 | 4189 | 52.9 | O | | |
| 0.40 | 8800 | 3481 | 52.9 | O | | |
| 0.46 | 8800 | 3053 | 52.9 | O | | |
| 0.55 | 8800 | 2537 | 52.9 | O | | |
| 0.67 | 8800 | 2065 | 52.9 | O | | |
| 0.75 | 8800 | 1849 | 52.9 | O | B63 X95 | 4P |
| 0.85 | 8800 | 1633 | 52.9 | O | | |
| 0.92 | 8531 | 1505 | 52.9 | 1.00 | | |
| 1.0 | 7692 | 1357 | 52.9 | 1.15 | | |
| 1.1 | 6944 | 1225 | 52.9 | 1.25 | | |
| 1.4 | 5685 | 1003 | 52.9 | 1.55 | | |
| 1.7 | 4767 | 841 | 52.9 | 1.85 | | |
| 1.9 | 4143 | 731 | 52.9 | 2.10 | | |
| 2.1 | 3679 | 649 | 52.9 | 2.40 | | |
| 2.3 | 3373 | 595 | 52.9 | 2.60 | | |
| 2.8 | 2794 | 493 | 52.9 | 3.15 | | |
| 0.67 | 5000 | 2065 | 33.1 | O | | |
| 0.75 | 5000 | 1849 | 33.1 | O | | |
| 0.85 | 5000 | 1633 | 33.1 | O | B52 X84 | 4P |
| 0.92 | 5000 | 1505 | 33.1 | O | | |
| 1.0 | 5000 | 1357 | 33.1 | O | | |
| 1.1 | 5000 | 1225 | 33.1 | O | | |

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 1.1kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1390 | 910 |
| 1.4 | 5000 | 1003 | 33.1 | O | | |
| 1.7 | 4767 | 841 | 33.1 | 1.05 | | |
| 1.9 | 4143 | 731 | 33.1 | 1.20 | | |
| 2.1 | 3679 | 649 | 33.1 | 1.35 | | |
| 2.3 | 3373 | 595 | 33.1 | 1.45 | B52 X84 | 4P |
| 2.8 | 2794 | 493 | 33.1 | 1.80 | | |
| 3.6 | 2216 | 391 | 33.1 | 2.25 | | |
| 4.4 | 1808 | 319 | 33.1 | 2.75 | | |
| 4.8 | 1638 | 289 | 33.1 | 3.05 | | |
| 5.5 | 1434 | 253 | 33.1 | 3.50 | | |
| 1.7 | 2500 | 841 | 15.7 | O | | |
| 1.9 | 2500 | 731 | 15.7 | O | | |
| 2.1 | 2500 | 649 | 15.7 | O | | |
| 2.3 | 2500 | 595 | 15.7 | O | | |
| 2.8 | 2500 | 493 | 15.7 | O | | |
| 3.6 | 2216 | 391 | 15.7 | 1.10 | | |
| 4.4 | 1808 | 319 | 15.7 | 1.35 | B41 X63 | 4P |
| 4.8 | 1638 | 289 | 15.7 | 1.50 | | |
| 5.5 | 1434 | 253 | 15.7 | 1.75 | | |
| 7.4 | 1060 | 187 | 15.7 | 2.35 | | |
| 8.4 | 935 | 165 | 15.7 | 2.65 | | |
| 9.7 | 811 | 143 | 15.7 | 2.70 | | |
| 11.5 | 686 | 121 | 15.7 | 2.70 | | |
| 14.0 | 561 | 99 | 15.7 | 2.70 | | |
| 2.8 | 1250 | 493 | 11.6 | O | | |
| 3.6 | 1250 | 391 | 11.6 | O | | |
| 4.4 | 1250 | 319 | 11.6 | O | | |
| 4.8 | 1250 | 289 | 11.6 | O | | |
| 5.5 | 1250 | 253 | 11.6 | O | B31 X53 | 4P |
| 7.4 | 1060 | 187 | 11.6 | 1.15 | | |
| 8.4 | 935 | 165 | 11.6 | 1.30 | | |
| 9.7 | 811 | 143 | 11.6 | 1.55 | | |
| 11.5 | 686 | 121 | 11.6 | 1.80 | | |
| 14.0 | 561 | 99 | 11.6 | 2.20 | | |
| 7.4 | 600 | 187 | 8.0 | O | | |
| 8.4 | 600 | 165 | 8.0 | O | B20* X42* | 4P |
| 9.7 | 600 | 143 | 8.0 | O | | |
| 11.5 | 600 | 121 | 8.0 | O | | |
| 14.0 | 561 | 99 | 8.0 | 1.05 | | |
| 16.0 | 592 | 87 | 11.6 | 1.80 | | |
| 19.6 | 483 | 71 | 11.6 | 1.80 | B3 X5 | 4P |
| 23.6 | 401 | 59 | 10.8 | 2.50 | | |
| 29.6 | 320 | 47 | 9.8 | 3.65 | | |
| 32.3 | 292 | 43 | 9.6 | 3.65 | | |
| 16.0 | 592 | 87 | 8.0 | 0.90 | | |
| 19.6 | 483 | 71 | 8.0 | 0.90 | | |
| 23.6 | 401 | 59 | 7.4 | 1.35 | | |
| 29.6 | 320 | 47 | 6.8 | 1.80 | | |
| 32.3 | 292 | 43 | 6.7 | 1.80 | | |
| 39.7 | 238 | 35 | 6.0 | 1.80 | B2 X4 | 4P |
| 47.9 | 197 | 29 | 6.0 | 2.70 | | |
| 60.4 | 156 | 23 | 5.0 | 3.65 | | |
| 81.8 | 116 | 17 | 4.8 | 3.80 | | |
| 92.7 | 102 | 15 | 4.7 | 4.30 | | |
| 106.9 | 88 | 13 | 4.6 | 4.90 | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1.1kW | | | 频率 | Hz | 50 | | 1.5kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1390 | 910 | | | | 转速 n | r/min | 1390 | 920 |
| 32.3 | 292 | 43 | 4.3 | 0.80 | | | 9.7 | 1105 | 143 | 15.7 | 1.95 | B41 X63 | 4P |
| 39.7 | 238 | 35 | 3.8 | 1.00 | | | 11.5 | 935 | 121 | 15.7 | 1.95 | | |
| 47.9 | 197 | 29 | 3.8 | 1.20 | | | 14.0 | 765 | 99 | 15.7 | 1.95 | | |
| 60.4 | 156 | 23 | 3.2 | 1.50 | | | 4.4 | 1250 | 319 | 11.6 | O | | |
| 81.8 | 116 | 17 | 3.0 | 1.80 | B1 X3 | 4P | 4.8 | 1250 | 289 | 11.6 | O | | |
| 92.7 | 102 | 15 | 2.9 | 1.80 | | | 5.5 | 1250 | 253 | 11.6 | O | | |
| 106.9 | 88 | 13 | 2.8 | 1.80 | | | 7.4 | 1250 | 187 | 11.6 | O | B31 X53 | 4P |
| 126.4 | 75 | 11 | 2.6 | 2.70 | | | 8.4 | 1250 | 165 | 11.6 | O | | |
| 154.4 | 61 | 9 | 2.6 | 2.70 | | | 9.7 | 1105 | 143 | 11.6 | 1.10 | | |
| 198.6 | 48 | 7 | 2.5 | 2.70 | | | 11.5 | 935 | 121 | 11.6 | 1.30 | | |
| 81.8 | 116 | 17 | 2.3 | 0.90 | | | 14.0 | 765 | 99 | 11.6 | 1.60 | | |
| 92.7 | 102 | 15 | 2.2 | 0.90 | | | 16.0 | 807 | 87 | 11.6 | 1.35 | | |
| 106.9 | 88 | 13 | 2.0 | 0.90 | B0 X2 | 4P | 19.6 | 659 | 71 | 11.6 | 1.35 | | |
| 126.4 | 75 | 11 | 1.9 | 0.90 | | | 23.6 | 547 | 59 | 10.8 | 1.85 | B3 X5 | 4P |
| 154.4 | 61 | 9 | 1.9 | 0.90 | | | 29.6 | 436 | 47 | 9.8 | 2.70 | | |
| 198.6 | 48 | 7 | 1.8 | 0.90 | | | 32.3 | 399 | 43 | 9.6 | 2.70 | | |
| 1.5kW | | | 频率 | Hz | 50 | | 39.7 | 325 | 35 | 8.5 | 3.60 | | |
| | | | 极数 | P | 4 | 6 | 23.6 | 547 | 59 | 7.4 | 0.95 | | |
| | | | 转速 n | r/min | 1390 | 920 | 29.6 | 436 | 47 | 6.8 | 1.35 | | |
| 0.55 | 8800 | 2537 | 52.9 | O | | | 32.3 | 399 | 43 | 6.7 | 1.35 | | |
| 0.67 | 8800 | 2065 | 52.9 | O | | | 39.7 | 325 | 35 | 6.0 | 1.35 | | |
| 0.75 | 8800 | 1849 | 52.9 | O | | | 47.9 | 269 | 29 | 6.0 | 1.95 | | |
| 0.85 | 8800 | 1633 | 52.9 | O | | | 60.4 | 213 | 23 | 5.0 | 2.70 | B2 X4 | 4P |
| 0.92 | 8800 | 1505 | 52.9 | O | | | 81.8 | 158 | 17 | 4.8 | 3.60 | | |
| 1.0 | 8800 | 1357 | 52.9 | O | | | 92.7 | 139 | 15 | 4.7 | 3.60 | | |
| 1.1 | 8800 | 1225 | 52.9 | O | B63 X95 | 4P | 106.9 | 121 | 13 | 4.6 | 3.60 | | |
| 1.4 | 7753 | 1003 | 52.9 | 1.10 | | | 126.4 | 102 | 11 | 4.1 | 3.60 | | |
| 1.7 | 6500 | 841 | 52.9 | 1.35 | | | 154.4 | 83 | 9 | 4.0 | 3.60 | | |
| 1.9 | 5650 | 731 | 52.9 | 1.55 | | | 198.6 | 65 | 7 | 3.8 | 3.60 | | |
| 2.1 | 5016 | 649 | 52.9 | 1.75 | | | 47.9 | 269 | 29 | 3.8 | 0.85 | | |
| 2.3 | 4599 | 595 | 52.9 | 1.90 | | | 60.4 | 213 | 23 | 3.2 | 1.10 | | |
| 2.8 | 3811 | 493 | 52.9 | 2.30 | | | 81.8 | 158 | 17 | 3.0 | 1.35 | | |
| 3.6 | 3022 | 391 | 52.9 | 2.90 | | | 92.7 | 139 | 15 | 2.9 | 1.35 | B1 X3 | 4P |
| 1.0 | 5000 | 1357 | 33.1 | O | | | 106.9 | 121 | 13 | 2.8 | 1.35 | | |
| 1.1 | 5000 | 1225 | 33.1 | O | | | 126.4 | 102 | 11 | 2.6 | 1.95 | | |
| 1.4 | 5000 | 1003 | 33.1 | O | | | 154.4 | 83 | 9 | 2.6 | 1.95 | | |
| 1.7 | 5000 | 841 | 33.1 | O | | | 198.6 | 65 | 7 | 2.5 | 1.95 | | |
| 1.9 | 5000 | 731 | 33.1 | O | | | 2.2kW | | | 频率 | Hz | 50 | |
| 2.1 | 5016 | 649 | 33.1 | 1.00 | B52 X84 | 4P | | | | 极数 | P | 4 | 6 |
| 2.3 | 4599 | 595 | 33.1 | 1.05 | | | | | | 转速 n | r/min | 1410 | 935 |
| 2.8 | 3811 | 493 | 33.1 | 1.30 | | | 0.19 | 12000 | 7569 | 72.5 | O | | |
| 3.6 | 3022 | 391 | 33.1 | 1.65 | | | 0.23 | 12000 | 6177 | 72.5 | O | | |
| 4.4 | 2466 | 319 | 33.1 | 2.00 | | | 0.27 | 12000 | 5133 | 72.5 | O | | |
| 4.8 | 2234 | 289 | 33.1 | 2.25 | | | 0.34 | 12000 | 4189 | 72.5 | O | | |
| 5.5 | 1956 | 253 | 33.1 | 2.55 | | | 0.41 | 12000 | 3481 | 72.5 | O | | |
| 7.4 | 1445 | 187 | 33.1 | 3.45 | | | 0.46 | 12000 | 3053 | 72.5 | O | | |
| 2.3 | 2500 | 595 | 15.7 | O | | | 0.56 | 12000 | 2537 | 72.5 | O | B74 X106 | 4P |
| 2.8 | 2500 | 493 | 15.7 | O | | | 0.68 | 12000 | 2065 | 72.5 | O | | |
| 3.6 | 2500 | 391 | 15.7 | O | | | 0.76 | 12000 | 1849 | 72.5 | O | | |
| 4.4 | 2466 | 319 | 15.7 | 1.00 | B41 X63 | 4P | 0.86 | 12000 | 1633 | 72.5 | O | | |
| 4.8 | 2234 | 289 | 15.7 | 1.10 | | | 0.94 | 12000 | 1505 | 72.5 | O | | |
| 5.5 | 1956 | 253 | 15.7 | 1.25 | | | 1.0 | 12000 | 1357 | 72.5 | O | | |
| 7.1 | 1507 | 195 | 15.7 | 1.65 | | | 1.2 | 12000 | 1225 | 72.5 | O | | |
| 7.4 | 1445 | 187 | 15.7 | 1.70 | | | 1.4 | 11209 | 1003 | 72.5 | 1.05 | | |
| 8.4 | 1275 | 165 | 15.7 | 1.95 | | | 1.7 | 9399 | 841 | 72.5 | 1.25 | | |

BX

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2.2kW | | | 频率 | Hz | 50 | | 2.2kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1410 | 935 | | | | 转速 n | r/min | 1410 | 935 |
| 1.9 | 8169 | 731 | 72.5 | 1.45 | B74 X106 | 4P | 30.0 | 630 | 47 | 13.2 | 3.35 | B4/X6/X7 | 4P |
| 2.2 | 7253 | 649 | 72.5 | 1.65 | | | 32.8 | 577 | 43 | 13.0 | 3.35 | | |
| 2.4 | 6649 | 595 | 72.5 | 1.80 | | | 16.2 | 1167 | 87 | 11.6 | 0.90 | | |
| 2.9 | 5510 | 493 | 72.5 | 2.20 | | | 19.9 | 952 | 71 | 11.6 | 0.90 | | |
| 0.76 | 8800 | 1849 | 52.9 | O | | | 23.9 | 791 | 59 | 10.8 | 1.25 | | |
| 0.86 | 8800 | 1633 | 52.9 | O | | | 30.0 | 630 | 47 | 9.8 | 1.80 | B3 X5 | 4P |
| 0.94 | 8800 | 1505 | 52.9 | O | | | 32.8 | 577 | 43 | 9.6 | 1.80 | | |
| 1.0 | 8800 | 1357 | 52.9 | O | | | 40.3 | 469 | 35 | 8.5 | 2.45 | | |
| 1.2 | 8800 | 1225 | 52.9 | O | | | 48.6 | 389 | 29 | 8.5 | 3.00 | | |
| 1.4 | 8800 | 1003 | 52.9 | O | | | 61.3 | 308 | 23 | 7.3 | 3.35 | | |
| 1.7 | 8800 | 841 | 52.9 | O | B63 X95 | 4P | 74.2 | 255 | 19 | 7.2 | 4.40 | | |
| 1.9 | 8169 | 731 | 52.9 | 1.05 | | | 30.0 | 630 | 47 | 6.8 | 0.90 | | |
| 2.2 | 7253 | 649 | 52.9 | 1.20 | | | 32.8 | 577 | 43 | 6.7 | 0.90 | | |
| 2.4 | 6649 | 595 | 52.9 | 1.30 | | | 40.3 | 469 | 35 | 6.0 | 0.90 | | |
| 2.9 | 5510 | 493 | 52.9 | 1.60 | | | 48.6 | 389 | 29 | 6.0 | 1.35 | | |
| 3.6 | 4370 | 391 | 52.9 | 2.00 | | | 61.3 | 308 | 23 | 5.0 | 1.80 | | |
| 4.4 | 3565 | 319 | 52.9 | 2.50 | | | 82.9 | 228 | 17 | 4.8 | 2.45 | B2 X4 | 4P |
| 4.9 | 3230 | 289 | 52.9 | 2.75 | | | 94.0 | 201 | 15 | 4.7 | 2.45 | | |
| 5.6 | 2827 | 253 | 52.9 | 3.15 | | | 108.5 | 174 | 13 | 4.6 | 2.45 | | |
| 1.4 | 5000 | 1003 | 33.1 | O | | | 128.2 | 148 | 11 | 4.1 | 2.45 | | |
| 1.7 | 5000 | 841 | 33.1 | O | | | 156.7 | 121 | 9 | 4.0 | 2.45 | | |
| 1.9 | 5000 | 731 | 33.1 | O | | | 201.4 | 94 | 7 | 3.8 | 2.45 | | |
| 2.2 | 5000 | 649 | 33.1 | O | | | 82.9 | 228 | 17 | 3.0 | 0.90 | | |
| 2.4 | 5000 | 595 | 33.1 | O | | | 94.0 | 201 | 15 | 2.9 | 0.90 | | |
| 2.9 | 5000 | 493 | 33.1 | O | | | 108.5 | 174 | 13 | 2.8 | 0.90 | B1 X3 | 4P |
| 3.6 | 4370 | 391 | 33.1 | 1.15 | B52 X84 | 4P | 128.2 | 148 | 11 | 2.6 | 1.35 | | |
| 4.4 | 3565 | 319 | 33.1 | 1.40 | | | 156.7 | 121 | 9 | 2.6 | 1.35 | | |
| 4.9 | 3230 | 289 | 33.1 | 1.55 | | | 201.4 | 94 | 7 | 2.5 | 1.35 | | |
| 5.6 | 2827 | 253 | 33.1 | 1.75 | | | 3kW | | | 频率 | Hz | 50 | |
| 7.5 | 2090 | 187 | 33.1 | 2.40 | | | | | | 极数 | P | 4 | 6 |
| 8.5 | 1844 | 165 | 33.1 | 2.45 | | | | | | 转速 n | r/min | 1410 | 965 |
| 9.9 | 1598 | 143 | 33.1 | 2.45 | | | 0.19 | 21500 | 7569 | 91.7 | O | | |
| 11.7 | 1352 | 121 | 33.1 | 2.45 | | | 0.23 | 21500 | 6177 | 91.7 | O | | |
| 14.2 | 1106 | 99 | 33.1 | 2.45 | | | 0.27 | 21500 | 5133 | 91.7 | O | | |
| 8.5 | 1844 | 165 | 15.7 | 1.35 | B42 X74 X64 | 4P | 0.34 | 21500 | 4189 | 91.7 | O | | |
| 9.9 | 1598 | 143 | 15.7 | 1.55 | | | 0.41 | 21500 | 3481 | 91.7 | O | | |
| 11.7 | 1352 | 121 | 15.7 | 1.85 | | | 0.46 | 21500 | 3053 | 91.7 | O | | |
| 14.2 | 1106 | 99 | 15.7 | 2.25 | | | 0.56 | 21500 | 2537 | 91.7 | O | | |
| 3.6 | 2500 | 391 | 15.7 | O | | | 0.68 | 21500 | 2065 | 91.7 | O | | |
| 4.4 | 2500 | 319 | 15.7 | O | | | 0.76 | 21500 | 1849 | 91.7 | O | | |
| 4.9 | 2500 | 289 | 15.7 | O | | | 0.86 | 21500 | 1633 | 91.7 | O | B84 X117 | 4P |
| 5.6 | 2500 | 253 | 15.7 | O | | | 0.94 | 21500 | 1505 | 91.7 | O | | |
| 7.5 | 2090 | 187 | 15.7 | 1.20 | B41* X63* | 4P | 1.0 | 20680 | 1357 | 91.7 | 1.05 | | |
| 8.5 | 1844 | 165 | 15.7 | 1.35 | | | 1.2 | 18668 | 1225 | 91.7 | 1.15 | | |
| 9.9 | 1598 | 143 | 15.7 | 1.35 | | | 1.4 | 15285 | 1003 | 91.7 | 1.40 | | |
| 11.7 | 1352 | 121 | 15.7 | 1.35 | | | 1.7 | 12816 | 841 | 91.7 | 1.70 | | |
| 14.2 | 1106 | 99 | 15.7 | 1.35 | | | 1.9 | 11140 | 731 | 91.7 | 1.95 | | |
| 7.5 | 1250 | 187 | 11.6 | O | | | 2.2 | 9890 | 649 | 91.7 | 2.20 | | |
| 8.5 | 1250 | 165 | 11.6 | O | B31* X53* | 4P | 2.4 | 9067 | 595 | 91.7 | 2.40 | | |
| 9.9 | 1250 | 143 | 11.6 | O | | | 2.9 | 7513 | 493 | 91.7 | 2.90 | | |
| 11.7 | 1250 | 121 | 11.6 | O | | | 0.19 | 12000 | 7569 | 72.5 | O | | |
| 14.2 | 1106 | 99 | 11.6 | 1.15 | | | 0.23 | 12000 | 6177 | 72.5 | O | | |
| 16.2 | 1167 | 87 | 15.7 | 1.80 | B4 X6 X7 | 4P | 0.27 | 12000 | 5133 | 72.5 | O | B74 X106 | 4P |
| 19.9 | 952 | 71 | 15.7 | 1.80 | | | 0.34 | 12000 | 4189 | 72.5 | O | | |
| 23.9 | 791 | 59 | 14.5 | 2.45 | | | 0.41 | 12000 | 3481 | 72.5 | O | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3kW | | | 频率 | Hz | 50 | | 3kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1410 | 965 | | | | 转速 n | r/min | 1410 | 965 |
| 0.46 | 12000 | 3053 | 72.5 | O | | | 16.2 | 1591 | 87 | 33.1 | 2.45 | B5* X8* | 4P |
| 0.56 | 12000 | 2537 | 72.5 | O | | | 19.9 | 1298 | 71 | 30.2 | 3.10 | | |
| 0.68 | 12000 | 2065 | 72.5 | O | | | 23.9 | 1079 | 59 | 28.1 | 3.35 | | |
| 0.76 | 12000 | 1849 | 72.5 | O | | | 16.2 | 1591 | 87 | 15.7 | 1.35 | | |
| 0.86 | 12000 | 1633 | 72.5 | O | | | 19.9 | 1298 | 71 | 15.7 | 1.35 | | |
| 0.94 | 12000 | 1505 | 72.5 | O | | | 23.9 | 1079 | 59 | 14.5 | 1.80 | B4 | |
| 1.0 | 12000 | 1357 | 72.5 | O | | | 30.0 | 860 | 47 | 13.2 | 2.45 | X6 | 4P |
| 1.2 | 12000 | 1225 | 72.5 | O | B74 X106 | 4P | 32.8 | 786 | 43 | 13.0 | 2.45 | X7 | |
| 1.4 | 12000 | 1003 | 72.5 | O | | | 40.3 | 640 | 35 | 11.5 | 3.35 | | |
| 1.7 | 12000 | 841 | 72.5 | O | | | 48.6 | 530 | 29 | 11.5 | 3.35 | | |
| 1.9 | 11140 | 731 | 72.5 | 1.05 | | | 23.9 | 1079 | 59 | 10.8 | 0.90 | | |
| 2.2 | 9890 | 649 | 72.5 | 1.20 | | | 30.0 | 860 | 47 | 9.8 | 1.35 | | |
| 2.4 | 9067 | 595 | 72.5 | 1.30 | | | 32.8 | 786 | 43 | 9.6 | 1.35 | | |
| 2.9 | 7513 | 493 | 72.5 | 1.60 | | | 40.3 | 640 | 35 | 8.5 | 1.80 | | |
| 3.6 | 5959 | 391 | 72.5 | 2.00 | | | 48.6 | 530 | 29 | 8.5 | 2.00 | | |
| 4.4 | 4861 | 319 | 72.5 | 2.50 | | | 61.3 | 421 | 23 | 7.3 | 2.45 | B3 X5 | 4P |
| 4.9 | 4404 | 289 | 72.5 | 2.75 | | | 74.2 | 347 | 19 | 7.2 | 3.25 | | |
| 1.2 | 8800 | 1225 | 52.9 | O | | | 82.9 | 311 | 17 | 6.7 | 3.25 | | |
| 1.4 | 8800 | 1003 | 52.9 | O | | | 94.0 | 274 | 15 | 6.5 | 3.25 | | |
| 1.7 | 8800 | 841 | 52.9 | O | | | 108.5 | 238 | 13 | 6.2 | 3.35 | | |
| 1.9 | 8800 | 731 | 52.9 | O | | | 128.2 | 201 | 11 | 5.9 | 3.35 | | |
| 2.2 | 8800 | 649 | 52.9 | O | | | 156.7 | 165 | 9 | 5.5 | 3.35 | | |
| 2.4 | 8800 | 595 | 52.9 | O | | | 48.6 | 530 | 29 | 6.0 | 0.95 | | |
| 2.9 | 7513 | 493 | 52.9 | 1.15 | | | 61.3 | 421 | 23 | 5.0 | 1.35 | | |
| 3.6 | 5959 | 391 | 52.9 | 1.45 | B63 X95 | 4P | 82.9 | 311 | 17 | 4.8 | 1.80 | | |
| 4.4 | 4861 | 319 | 52.9 | 1.80 | | | 94.0 | 274 | 15 | 4.7 | 1.80 | B2 X4 | 4P |
| 4.9 | 4404 | 289 | 52.9 | 2.00 | | | 108.5 | 238 | 13 | 4.6 | 1.80 | | |
| 5.6 | 3856 | 253 | 52.9 | 2.30 | | | 128.2 | 201 | 11 | 4.1 | 1.80 | | |
| 7.5 | 2850 | 187 | 52.9 | 3.10 | | | 156.7 | 165 | 9 | 4.0 | 1.80 | | |
| 8.5 | 2514 | 165 | 52.9 | 3.35 | | | 201.4 | 128 | 7 | 3.8 | 1.80 | | |
| 9.9 | 2179 | 143 | 52.9 | 3.35 | | | 128.2 | 201 | 11 | 2.6 | 0.95 | B1* X3* | 4P |
| 11.7 | 1844 | 121 | 52.9 | 3.35 | | | 156.7 | 165 | 9 | 2.6 | 0.95 | | |
| 14.2 | 1509 | 99 | 52.9 | 3.35 | | | 201.4 | 128 | 7 | 2.5 | 0.95 | | |
| 8.5 | 2514 | 165 | 33.1 | 2.00 | | | 4kW | | | 频率 | Hz | 50 | |
| 9.9 | 2179 | 143 | 33.1 | 2.30 | B53 X85 | 4P | | | | 极数 | P | 4 | 6 |
| 11.7 | 1844 | 121 | 33.1 | 2.75 | | | | | | 转速 n | r/min | 1435 | 965 |
| 14.2 | 1509 | 99 | 33.1 | 3.35 | | | 0.19 | 29400 | 7569 | 158.4 | O | | |
| 2.4 | 5000 | 595 | 33.1 | O | | | 0.23 | 29400 | 6177 | 158.4 | O | | |
| 2.9 | 5000 | 493 | 33.1 | O | | | 0.28 | 29400 | 5133 | 158.4 | O | | |
| 3.6 | 5000 | 391 | 33.1 | O | | | 0.34 | 29400 | 4189 | 158.4 | O | | |
| 4.4 | 4861 | 319 | 33.1 | 1.00 | | | 0.41 | 21500 | 3481 | 91.7 | O | | |
| 4.9 | 4404 | 289 | 33.1 | 1.15 | B52 X84 | 4P | 0.47 | 21500 | 3053 | 91.7 | O | | |
| 5.6 | 3856 | 253 | 33.1 | 1.30 | | | 0.57 | 21500 | 2537 | 91.7 | O | | |
| 7.5 | 2850 | 187 | 33.1 | 1.75 | | | 0.69 | 21500 | 2065 | 91.7 | O | | |
| 8.5 | 2514 | 165 | 33.1 | 1.80 | | | 0.78 | 21500 | 1849 | 91.7 | O | | |
| 9.9 | 2179 | 143 | 33.1 | 1.80 | | | 0.88 | 21500 | 1633 | 91.7 | O | B84 X117 | 4P |
| 11.7 | 1844 | 121 | 33.1 | 1.80 | | | 1.0 | 21500 | 1505 | 91.7 | O | | |
| 14.2 | 1509 | 99 | 33.1 | 1.80 | | | 1.1 | 21500 | 1357 | 91.7 | O | | |
| 4.4 | 2500 | 319 | 15.7 | O | | | 1.2 | 21500 | 1225 | 91.7 | O | | |
| 4.9 | 2500 | 289 | 15.7 | O | | | 1.4 | 20025 | 1003 | 91.7 | 1.05 | | |
| 5.6 | 2500 | 253 | 15.7 | O | B42 X64 X74 | 4P | 1.7 | 16791 | 841 | 91.7 | 1.25 | | |
| 7.5 | 2500 | 187 | 15.7 | O | | | 2.0 | 14595 | 731 | 91.7 | 1.45 | | |
| 8.5 | 2514 | 165 | 15.7 | 1.00 | | | 2.2 | 12957 | 649 | 91.7 | 1.65 | | |
| 9.9 | 2179 | 143 | 15.7 | 1.15 | | | 2.4 | 11879 | 595 | 91.7 | 1.80 | | |
| 11.7 | 1844 | 121 | 15.7 | 1.35 | | | 2.9 | 9843 | 493 | 91.7 | 2.15 | | |
| 14.2 | 1509 | 99 | 15.7 | 1.65 | | | 3.7 | 7806 | 391 | 91.7 | 2.75 | | |

BX

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4kW | | | 频率 | Hz | 50 | | 4kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1435 | 965 | | | | 转速 n | r/min | 1435 | 965 |
| 4.5 | 6369 | 319 | 91.7 | 3.35 | | | 16.5 | 2084 | 87 | 33.1 | 1.85 | | |
| 5.0 | 5770 | 289 | 91.7 | 3.70 | B84 | 4P | 20.2 | 1701 | 71 | 30.2 | 2.30 | B5* | |
| 5.7 | 5051 | 253 | 91.7 | 3.70 | X117 | | 24.3 | 1414 | 59 | 28.1 | 2.50 | X8* | 4P |
| 7.7 | 3733 | 187 | 91.7 | 3.70 | | | 30.5 | 1126 | 47 | 27.0 | 3.70 | | |
| 1.1 | 12000 | 1357 | 72.5 | O | | | 33.4 | 1030 | 43 | 26.4 | 3.70 | | |
| 1.2 | 12000 | 1225 | 72.5 | O | | | 16.5 | 2084 | 87 | 15.7 | 1.00 | | |
| 1.4 | 12000 | 1003 | 72.5 | O | | | 20.2 | 1701 | 71 | 15.7 | 1.00 | | |
| 1.7 | 12000 | 841 | 72.5 | O | | | 24.3 | 1414 | 59 | 14.5 | 1.35 | B4 | |
| 2.0 | 12000 | 731 | 72.5 | O | | | 30.5 | 1126 | 47 | 13.2 | 1.85 | X6 | 4P |
| 2.2 | 12000 | 649 | 72.5 | O | | | 33.4 | 1030 | 43 | 13.0 | 1.85 | X7 | |
| 2.4 | 11879 | 595 | 72.5 | 1.00 | | | 41.0 | 839 | 35 | 11.5 | 2.50 | | |
| 2.9 | 9843 | 493 | 72.5 | 1.20 | B74 | 4P | 49.5 | 695 | 29 | 11.5 | 2.50 | | |
| 3.7 | 7806 | 391 | 72.5 | 1.50 | X106 | | 62.4 | 551 | 23 | 9.8 | 3.70 | | |
| 4.5 | 6369 | 319 | 72.5 | 1.85 | | | 30.5 | 1126 | 47 | 9.8 | 1.00 | | |
| 5.0 | 5770 | 289 | 72.5 | 2.05 | | | 33.4 | 1030 | 43 | 9.6 | 1.00 | | |
| 5.7 | 5051 | 253 | 72.5 | 2.35 | | | 41.0 | 839 | 35 | 8.5 | 1.35 | | |
| 7.7 | 3733 | 187 | 72.5 | 3.20 | | | 49.5 | 695 | 29 | 8.5 | 1.65 | | |
| 8.4 | 3294 | 165 | 72.5 | 3.50 | | | 62.4 | 551 | 23 | 7.3 | 1.85 | B3 | |
| 11.4 | 2416 | 121 | 72.5 | 3.70 | | | 75.5 | 455 | 19 | 7.2 | 2.40 | X5 | 4P |
| 13.9 | 1977 | 99 | 72.5 | 3.70 | | | 84.4 | 407 | 17 | 6.7 | 2.40 | | |
| 1.7 | 8800 | 841 | 52.9 | O | | | 95.7 | 359 | 15 | 6.5 | 2.40 | | |
| 2.0 | 8800 | 731 | 52.9 | O | | | 110.4 | 311 | 13 | 6.2 | 2.50 | | |
| 2.2 | 8800 | 649 | 52.9 | O | | | 130.5 | 264 | 11 | 5.9 | 2.50 | | |
| 2.4 | 8800 | 595 | 52.9 | O | | | 159.4 | 216 | 9 | 5.5 | 2.50 | | |
| 2.9 | 8800 | 493 | 52.9 | O | | | 62.4 | 551 | 23 | 5.0 | 1.00 | | |
| 3.7 | 7806 | 391 | 52.9 | 1.10 | | | 84.4 | 407 | 17 | 4.8 | 1.35 | | |
| 4.5 | 6369 | 319 | 52.9 | 1.35 | B63 | 4P | 95.7 | 359 | 15 | 4.7 | 1.35 | B2 | |
| 5.0 | 5770 | 289 | 52.9 | 1.50 | X95 | | 110.4 | 311 | 13 | 4.6 | 1.35 | X4 | 4P |
| 5.7 | 5051 | 253 | 52.9 | 1.70 | | | 130.5 | 264 | 11 | 4.1 | 1.35 | | |
| 7.7 | 3733 | 187 | 52.9 | 2.35 | | | 159.4 | 216 | 9 | 4.0 | 1.35 | | |
| 8.7 | 3294 | 165 | 52.9 | 2.50 | | | 205.0 | 168 | 7 | 3.8 | 1.35 | | |
| 10.0 | 2855 | 143 | 52.9 | 2.50 | | | 5.5kW | | | 频率 | Hz | 50 | |
| 11.9 | 2416 | 121 | 52.9 | 2.50 | | | | | | 极数 | P | 4 | 6 |
| 14.5 | 1977 | 99 | 52.9 | 2.50 | | | | | | 转速 n | r/min | 1445 | 965 |
| 7.7 | 3733 | 187 | 33.1 | 1.30 | | | 0.19 | 29400 | 7569 | 158.4 | O | | |
| 8.7 | 3294 | 165 | 33.1 | 1.50 | B53 | 4P | 0.23 | 29400 | 6177 | 158.4 | O | | |
| 10.0 | 2855 | 143 | 33.1 | 1.75 | X85 | | 0.28 | 29400 | 5133 | 158.4 | O | | |
| 11.9 | 2416 | 121 | 33.1 | 2.05 | | | 0.34 | 29400 | 4189 | 158.4 | O | | |
| 14.5 | 1977 | 99 | 33.1 | 2.50 | | | 0.42 | 29400 | 3481 | 158.4 | O | | |
| 2.9 | 5000 | 493 | 33.1 | O | | | 0.47 | 29400 | 3053 | 158.4 | O | | |
| 3.7 | 5000 | 391 | 33.1 | O | | | 0.57 | 29400 | 2537 | 158.4 | O | | |
| 4.5 | 5000 | 319 | 33.1 | O | | | 0.70 | 29400 | 2065 | 158.4 | O | | |
| 5.0 | 5000 | 289 | 33.1 | O | | | 0.78 | 29400 | 1849 | 158.4 | O | | |
| 5.7 | 5000 | 253 | 33.1 | O | B52 | 4P | 0.88 | 29400 | 1633 | 158.4 | O | B95 | 4P |
| 7.7 | 3733 | 187 | 33.1 | 1.30 | X84 | | 0.96 | 29400 | 1505 | 158.4 | O | X128 | |
| 8.7 | 3294 | 165 | 33.1 | 1.35 | | | 1.1 | 29400 | 1357 | 158.4 | O | | |
| 10.0 | 2855 | 143 | 33.1 | 1.35 | | | 1.2 | 29400 | 1225 | 158.4 | O | | |
| 11.9 | 2416 | 121 | 33.1 | 1.35 | | | 1.4 | 27344 | 1003 | 158.4 | 1.05 | | |
| 14.5 | 1977 | 99 | 33.1 | 1.35 | | | 1.7 | 22927 | 841 | 158.4 | 1.25 | | |
| 7.7 | 2500 | 187 | 33.1 | O | | | 2.0 | 19929 | 731 | 158.4 | 1.45 | | |
| 8.7 | 2500 | 165 | 33.1 | O | B42 | | 2.2 | 17693 | 649 | 158.4 | 1.65 | | |
| 10.0 | 2500 | 143 | 33.1 | O | X64 | 4P | 2.4 | 16221 | 595 | 158.4 | 1.80 | | |
| 11.9 | 2416 | 121 | 33.1 | 1.00 | X74 | | 2.9 | 13440 | 493 | 158.4 | 2.15 | | |
| 14.5 | 1977 | 99 | 33.1 | 1.25 | | | 3.7 | 10659 | 391 | 158.4 | 2.70 | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5.5kW | | | 频率 | Hz | 50 | | 5.5kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1445 | 965 | | | | 转速 n | r/min | 1445 | 965 |
| 0.70 | 21500 | 2065 | 91.7 | O | | | 11.1 | 4262 | 87 | 52.9 | 1.75 | | |
| 0.78 | 21500 | 1849 | 91.7 | O | | | 13.6 | 3478 | 71 | 52.9 | 1.75 | B6* X9* | 6P |
| 0.88 | 21500 | 1633 | 91.7 | O | | | 16.4 | 2890 | 59 | 49.6 | 1.80 | | |
| 1.0 | 21500 | 1505 | 91.7 | O | | | 20.5 | 2302 | 47 | 49.6 | 2.70 | | |
| 1.1 | 21500 | 1357 | 91.7 | O | | | 22.4 | 2106 | 43 | 49.6 | 2.70 | | |
| 1.2 | 21500 | 1225 | 91.7 | O | | | 16.6 | 2846 | 87 | 33.1 | 1.35 | | |
| 1.4 | 21500 | 1003 | 91.7 | O | | | 20.4 | 2323 | 71 | 30.2 | 1.70 | | |
| 1.7 | 21500 | 841 | 91.7 | O | B84 X117 | 4P | 24.5 | 1930 | 59 | 28.1 | 1.80 | B5 X8 | 4P |
| 2.0 | 19929 | 731 | 91.7 | 1.05 | | | 30.7 | 1538 | 47 | 27.0 | 2.70 | | |
| 2.2 | 17693 | 649 | 91.7 | 1.20 | | | 33.6 | 1407 | 43 | 26.4 | 2.70 | | |
| 2.4 | 16221 | 595 | 91.7 | 1.30 | | | 41.3 | 1145 | 35 | 26.4 | 3.40 | | |
| 2.9 | 13440 | 493 | 91.7 | 1.55 | | | 49.8 | 949 | 29 | 25.2 | 3.65 | | |
| 3.7 | 10659 | 391 | 91.7 | 2.00 | | | 24.5 | 1930 | 59 | 14.5 | 0.95 | | |
| 4.5 | 8697 | 319 | 91.7 | 2.45 | | | 30.7 | 1538 | 47 | 13.2 | 1.35 | | |
| 5.0 | 7879 | 289 | 91.7 | 2.70 | | | 33.6 | 1407 | 43 | 13.0 | 1.35 | | |
| 5.7 | 6897 | 253 | 91.7 | 2.70 | | | 41.3 | 1145 | 35 | 11.5 | 1.80 | | |
| 7.7 | 5098 | 187 | 91.7 | 2.70 | | | 49.8 | 949 | 29 | 11.5 | 1.80 | | |
| 1.4 | 12000 | 1003 | 72.5 | O | | | 62.8 | 752 | 23 | 9.8 | 2.70 | B4 X6 X7 | 4P |
| 1.7 | 12000 | 841 | 72.5 | O | | | 76.1 | 622 | 19 | 9.4 | 2.70 | | |
| 2.0 | 12000 | 731 | 72.5 | O | | | 85.0 | 556 | 17 | 9.1 | 2.70 | | |
| 2.2 | 12000 | 649 | 72.5 | O | | | 96.3 | 491 | 15 | 8.8 | 2.70 | | |
| 2.4 | 12000 | 595 | 72.5 | O | | | 111.2 | 425 | 13 | 8.4 | 2.70 | | |
| 2.9 | 12000 | 493 | 72.5 | O | | | 131.4 | 360 | 11 | 8.0 | 2.70 | | |
| 3.7 | 10659 | 391 | 72.5 | 1.10 | B74 X106 | 4P | 160.6 | 294 | 9 | 6.6 | 2.70 | | |
| 4.5 | 8697 | 319 | 72.5 | 1.35 | | | 41.3 | 1145 | 35 | 8.5 | 0.95 | | |
| 5.0 | 7879 | 289 | 72.5 | 1.50 | | | 49.8 | 949 | 29 | 8.5 | 1.20 | | |
| 5.7 | 6897 | 253 | 72.5 | 1.70 | | | 62.8 | 752 | 23 | 7.3 | 1.35 | | |
| 7.7 | 5098 | 187 | 72.5 | 2.30 | | | 76.1 | 622 | 19 | 7.2 | 1.75 | B3 X5 | 4P |
| 8.4 | 4498 | 165 | 72.5 | 2.55 | | | 85.0 | 556 | 17 | 6.7 | 1.75 | | |
| 11.4 | 3299 | 121 | 72.5 | 2.70 | | | 96.3 | 491 | 15 | 6.5 | 1.75 | | |
| 13.9 | 2699 | 99 | 72.5 | 2.70 | | | 111.2 | 425 | 13 | 6.2 | 1.80 | | |
| 8.8 | 4498 | 165 | 52.9 | 1.95 | | | 131.4 | 360 | 11 | 5.9 | 1.80 | | |
| 10.1 | 3898 | 143 | 52.9 | 2.20 | B64 X96 | 4P | 160.6 | 294 | 9 | 5.5 | 1.80 | | |
| 11.9 | 3299 | 121 | 52.9 | 2.65 | | | 85.0 | 556 | 17 | 4.8 | 0.95 | | |
| 14.6 | 2699 | 99 | 52.9 | 2.70 | | | 96.3 | 491 | 15 | 4.7 | 0.95 | | |
| 2.4 | 8800 | 595 | 52.9 | O | | | 111.2 | 425 | 13 | 4.6 | 0.95 | B2* X4* | 4P |
| 2.9 | 8800 | 493 | 52.9 | O | | | 131.4 | 360 | 11 | 4.1 | 0.95 | | |
| 3.7 | 8800 | 391 | 52.9 | O | | | 160.6 | 294 | 9 | 4.0 | 0.95 | | |
| 4.5 | 8697 | 319 | 52.9 | 1.00 | | | 206.4 | 229 | 7 | 3.8 | 0.95 | | |
| 5.0 | 7879 | 289 | 52.9 | 1.10 | B63 X95 | 4P | 7.5kW | | | 频率 | Hz | 50 | |
| 5.7 | 6897 | 253 | 52.9 | 1.25 | | | | | | 极数 | P | 4 | 6 |
| 7.7 | 5098 | 187 | 52.9 | 1.70 | | | | | | 转速 n | r/min | 1445 | 970 |
| 8.8 | 4498 | 165 | 52.9 | 1.80 | | | 0.19 | 29400 | 7569 | 158.4 | O | | |
| 10.1 | 3898 | 143 | 52.9 | 1.80 | | | 0.23 | 29400 | 6177 | 158.4 | O | | |
| 11.9 | 3299 | 121 | 52.9 | 1.80 | | | 0.28 | 29400 | 5133 | 158.4 | O | | |
| 14.6 | 2699 | 99 | 52.9 | 1.80 | | | 0.34 | 29400 | 4189 | 158.4 | O | | |
| 4.5 | 5000 | 319 | 33.1 | O | | | 0.42 | 29400 | 3481 | 158.4 | O | | |
| 5.0 | 5000 | 289 | 33.1 | O | | | 0.47 | 29400 | 3053 | 158.4 | O | B95 X128 | 4P |
| 5.7 | 5000 | 253 | 33.1 | O | | | 0.57 | 29400 | 2537 | 158.4 | O | | |
| 7.7 | 5000 | 187 | 33.1 | O | B53 X85 | 4P | 0.70 | 29400 | 2065 | 158.4 | O | | |
| 8.8 | 4498 | 165 | 33.1 | 1.10 | | | 0.78 | 29400 | 1849 | 158.4 | O | | |
| 10.1 | 3898 | 143 | 33.1 | 1.25 | | | 0.88 | 29400 | 1633 | 158.4 | O | | |
| 11.9 | 3299 | 121 | 33.1 | 1.50 | | | 0.96 | 29400 | 1505 | 158.4 | O | | |
| 14.6 | 2699 | 99 | 33.1 | 1.80 | | | 1.1 | 29400 | 1357 | 158.4 | O | | |

BX

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7.5kW | | | 频率 | Hz | 50 | | 7.5kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1445 | 970 | | | | 转速 n | r/min | 1445 | 970 |
| 1.2 | 29400 | 1225 | 158.4 | O | | | 5.7 | 5000 | 253 | 52.9 | O | | |
| 1.4 | 29400 | 1003 | 158.4 | O | | | 7.7 | 5000 | 187 | 52.9 | O | | |
| 1.7 | 29400 | 841 | 158.4 | O | | | 8.8 | 5000 | 165 | 52.9 | O | B53 | 4P |
| 2.0 | 27175 | 731 | 158.4 | 1.05 | | | 10.1 | 5000 | 143 | 52.9 | O | X85 | |
| 2.2 | 24127 | 649 | 158.4 | 1.20 | B95 X128 | 4P | 11.9 | 4498 | 121 | 52.9 | 1.10 | | |
| 2.4 | 22119 | 595 | 158.4 | 1.30 | | | 14.6 | 3680 | 99 | 52.9 | 1.35 | | |
| 2.9 | 18328 | 493 | 158.4 | 1.55 | | | 11.1 | 5782 | 87 | 72.5 | 1.65 | | |
| 3.7 | 14536 | 391 | 158.4 | 2.00 | | | 13.7 | 4718 | 71 | 72.5 | 2.30 | | |
| 4.5 | 11859 | 319 | 158.4 | 2.45 | | | 16.4 | 3921 | 59 | 66.5 | 2.80 | B7* | 6P |
| 5.7 | 9405 | 253 | 91.7 | 2.25 | B85 | 4P | 20.6 | 3123 | 47 | 63.4 | 3.20 | X10* | |
| 7.7 | 6952 | 187 | 91.7 | 3.05 | X118 | | 22.6 | 2858 | 43 | 62.2 | 3.80 | | |
| 1.1 | 21500 | 1357 | 91.7 | O | | | 27.7 | 2326 | 35 | 58.9 | 3.80 | | |
| 1.2 | 21500 | 1225 | 91.7 | O | | | 11.1 | 5782 | 87 | 52.9 | 1.30 | | |
| 1.4 | 21500 | 1003 | 91.7 | O | | | 13.7 | 4718 | 71 | 52.9 | 1.30 | | |
| 1.7 | 21500 | 841 | 91.7 | O | | | 16.4 | 3921 | 59 | 49.6 | 1.35 | B6* | |
| 2.0 | 21500 | 731 | 91.7 | O | | | 20.6 | 3123 | 47 | 49.6 | 1.95 | X9* | 6P |
| 2.2 | 21500 | 649 | 91.7 | O | | | 22.6 | 2858 | 43 | 49.6 | 1.95 | | |
| 2.4 | 21500 | 595 | 91.7 | O | | | 27.7 | 2326 | 35 | 46.9 | 2.70 | | |
| 2.9 | 18328 | 493 | 91.7 | 1.15 | B84 X117 | 4P | 33.4 | 1927 | 29 | 44.8 | 3.20 | | |
| 3.7 | 14536 | 391 | 91.7 | 1.45 | | | 16.6 | 3881 | 87 | 33.1 | 0.95 | | |
| 4.5 | 11859 | 319 | 91.7 | 1.80 | | | 20.4 | 3167 | 71 | 30.2 | 1.25 | | |
| 5.0 | 10744 | 289 | 91.7 | 1.95 | | | 24.5 | 2632 | 59 | 28.1 | 1.35 | | |
| 5.7 | 9405 | 253 | 91.7 | 1.95 | | | 30.7 | 2097 | 47 | 27.0 | 1.95 | | |
| 7.7 | 6952 | 187 | 91.7 | 1.95 | | | 33.6 | 1918 | 43 | 26.4 | 1.95 | | |
| 11.4 | 4498 | 121 | 91.7 | 1.95 | | | 41.3 | 1561 | 35 | 26.4 | 2.50 | B5 | |
| 13.9 | 3680 | 99 | 91.7 | 1.95 | | | 49.8 | 1294 | 29 | 25.2 | 2.70 | X8 | 4P |
| 2.2 | 12000 | 649 | 72.5 | O | | | 62.8 | 1026 | 23 | 22.2 | 3.30 | | |
| 2.4 | 12000 | 595 | 72.5 | O | | | 76.1 | 848 | 19 | 21.6 | 3.30 | | |
| 2.9 | 12000 | 493 | 72.5 | O | | | 85.0 | 758 | 17 | 20.9 | 3.30 | | |
| 3.7 | 12000 | 391 | 72.5 | O | | | 96.3 | 669 | 15 | 19.2 | 3.30 | | |
| 4.5 | 11859 | 319 | 72.5 | 1.00 | | | 111.2 | 580 | 13 | 16.8 | 3.30 | | |
| 5.0 | 10744 | 289 | 72.5 | 1.10 | B74 | 4P | 131.4 | 491 | 11 | 15.4 | 3.30 | | |
| 5.7 | 9405 | 253 | 72.5 | 1.25 | X106 | | 30.7 | 2097 | 47 | 13.2 | 0.95 | | |
| 7.7 | 6952 | 187 | 72.5 | 1.70 | | | 33.6 | 1918 | 43 | 13.0 | 0.95 | | |
| 8.4 | 6134 | 165 | 72.5 | 1.85 | | | 41.3 | 1561 | 35 | 11.5 | 1.35 | | |
| 11.4 | 4498 | 121 | 72.5 | 1.95 | | | 49.8 | 1294 | 29 | 11.5 | 1.35 | | |
| 13.9 | 3680 | 99 | 72.5 | 1.95 | | | 62.8 | 1026 | 23 | 9.8 | 1.95 | B4 | |
| 8.8 | 6134 | 165 | 52.9 | 1.40 | | | 76.1 | 848 | 19 | 9.4 | 1.95 | X6 | 4P |
| 10.1 | 5316 | 143 | 52.9 | 1.65 | B64 | 4P | 85.0 | 758 | 17 | 9.1 | 1.95 | X7 | |
| 11.9 | 4498 | 121 | 52.9 | 1.95 | X96 | | 96.3 | 669 | 15 | 8.8 | 1.95 | | |
| 14.6 | 3680 | 99 | 52.9 | 1.95 | | | 111.2 | 580 | 13 | 8.4 | 1.95 | | |
| 3.7 | 8800 | 391 | 52.9 | O | | | 131.4 | 491 | 11 | 8.0 | 1.95 | | |
| 4.5 | 8800 | 319 | 52.9 | O | | | 160.6 | 401 | 9 | 6.6 | 1.95 | | |
| 5.0 | 8800 | 289 | 52.9 | O | | | 49.8 | 1294 | 29 | 8.5 | 0.85 | | |
| 5.7 | 8800 | 253 | 52.9 | O | B63 | 4P | 62.8 | 1026 | 23 | 7.3 | 0.95 | | |
| 7.7 | 6952 | 187 | 52.9 | 1.25 | X95 | | 76.1 | 848 | 19 | 7.2 | 1.30 | | |
| 8.8 | 6134 | 165 | 52.9 | 1.35 | | | 85.0 | 758 | 17 | 6.7 | 1.30 | B3 | 4P |
| 10.1 | 5316 | 143 | 52.9 | 1.35 | | | 96.3 | 669 | 15 | 6.5 | 1.30 | X5 | |
| 11.9 | 4498 | 121 | 52.9 | 1.35 | | | 111.2 | 580 | 13 | 6.2 | 1.35 | | |
| 14.6 | 3680 | 99 | 52.9 | 1.35 | | | 131.4 | 491 | 11 | 5.9 | 1.35 | | |
| | | | | | | | 160.6 | 401 | 9 | 5.5 | 1.35 | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 | $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11kW | | | 频率 | Hz | 50 | | 11kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 | | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1460 | 970 | | | | 转速 n | r/min | 1460 | 970 |
| 1.0 | 29400 | 1505 | 158.4 | O | | | 22.6 | 4191 | 43 | 49.6 | 1.35 | | |
| 1.1 | 29400 | 1357 | 158.4 | O | | | 27.7 | 3411 | 35 | 46.9 | 1.80 | | |
| 1.2 | 29400 | 1225 | 158.4 | O | | | 33.4 | 2827 | 29 | 44.8 | 2.15 | | |
| 1.5 | 29400 | 1003 | 158.4 | O | | | 42.2 | 2242 | 23 | 40.2 | 2.70 | B6* | |
| 1.7 | 29400 | 841 | 158.4 | O | | | 51.1 | 1852 | 19 | 37.2 | 2.70 | X9* | 6P |
| 2.0 | 29400 | 731 | 158.4 | O | B95 | 4P | 57.1 | 1657 | 17 | 34.9 | 2.70 | | |
| 2.2 | 29400 | 649 | 158.4 | O | X128 | | 64.7 | 1462 | 15 | 34.2 | 2.70 | | |
| 2.5 | 29400 | 595 | 158.4 | O | | | 74.6 | 1267 | 13 | 33.4 | 2.70 | | |
| 3.0 | 26604 | 493 | 158.4 | 1.10 | | | 88.2 | 1072 | 11 | 32.6 | 2.70 | | |
| 3.7 | 21100 | 391 | 158.4 | 1.35 | | | 20.6 | 4598 | 71 | 30.2 | 0.85 | | |
| 4.6 | 17215 | 319 | 158.4 | 1.70 | | | 24.7 | 3821 | 59 | 28.1 | 0.90 | | |
| 5.8 | 13653 | 253 | 158.4 | 2.15 | | | 31.1 | 3044 | 47 | 27.0 | 1.35 | | |
| 5.1 | 15596 | 289 | 91.7 | 1.35 | | | 34.0 | 2785 | 43 | 26.4 | 1.35 | | |
| 5.8 | 13653 | 253 | 91.7 | 1.55 | B85 | 4P | 41.7 | 2266 | 35 | 26.4 | 1.70 | | |
| 7.8 | 10091 | 187 | 91.7 | 2.10 | X118 | | 50.3 | 1878 | 29 | 25.2 | 1.80 | B5 | 4P |
| 11.5 | 6826 | 121 | 91.7 | 2.25 | | | 63.5 | 1489 | 23 | 22.2 | 2.25 | X8 | |
| 1.7 | 21500 | 841 | 91.7 | O | | | 76.8 | 1230 | 19 | 21.6 | 2.25 | | |
| 2.0 | 21500 | 731 | 91.7 | O | | | 85.9 | 1101 | 17 | 20.9 | 2.25 | | |
| 2.2 | 21500 | 649 | 91.7 | O | | | 97.3 | 971 | 15 | 19.2 | 2.25 | | |
| 2.5 | 21500 | 595 | 91.7 | O | | | 112.3 | 842 | 13 | 16.8 | 2.25 | | |
| 3.0 | 21500 | 493 | 91.7 | O | | | 132.7 | 712 | 11 | 15.4 | 2.25 | | |
| 3.7 | 21100 | 391 | 91.7 | 1.00 | B84 | 4P | 41.7 | 2266 | 35 | 11.5 | 0.90 | | |
| 4.6 | 17215 | 319 | 91.7 | 1.20 | X117 | | 50.3 | 1878 | 29 | 11.5 | 0.90 | | |
| 5.1 | 15596 | 289 | 91.7 | 1.35 | | | 63.5 | 1489 | 23 | 9.8 | 1.35 | | |
| 5.8 | 13653 | 253 | 91.7 | 1.35 | | | 76.8 | 1230 | 19 | 9.4 | 1.35 | B4 | |
| 7.8 | 10091 | 187 | 91.7 | 1.35 | | | 85.9 | 1101 | 17 | 9.1 | 1.35 | X6 | 4P |
| 11.5 | 6826 | 121 | 91.7 | 1.35 | | | 97.3 | 971 | 15 | 8.8 | 1.35 | X7 | |
| 14.1 | 5585 | 99 | 91.7 | 1.35 | | | 112.3 | 842 | 13 | 8.4 | 1.35 | | |
| 3.7 | 12000 | 391 | 72.5 | O | | | 132.7 | 712 | 11 | 8.0 | 1.35 | | |
| 4.6 | 12000 | 319 | 72.5 | O | | | 162.2 | 583 | 9 | 6.6 | 1.35 | | |
| 5.1 | 12000 | 289 | 72.5 | O | | | 85.9 | 1101 | 17 | 6.7 | 0.85 | | |
| 5.8 | 12000 | 253 | 72.5 | O | B74 | 4P | 97.3 | 971 | 15 | 6.5 | 0.85 | B3* | |
| 7.8 | 10091 | 187 | 72.5 | 1.15 | X106 | | 112.3 | 842 | 13 | 6.2 | 0.90 | X5* | 4P |
| 8.6 | 9201 | 165 | 72.5 | 1.30 | | | 132.7 | 712 | 11 | 5.9 | 0.90 | | |
| 11.5 | 6826 | 121 | 72.5 | 1.35 | | | 162.2 | 583 | 9 | 5.5 | 0.90 | | |
| 14.1 | 5585 | 99 | 72.5 | 1.35 | | | 15kW | | | 频率 | Hz | 50 | |
| 4.6 | 8800 | 319 | 52.9 | O | | | | | | 极数 | P | 4 | 6 |
| 5.1 | 8800 | 289 | 52.9 | O | | | | | | 转速 n | r/min | 1460 | 970 |
| 5.8 | 8800 | 253 | 52.9 | O | | | 1.7 | 29400 | 841 | 158.4 | O | | |
| 7.8 | 8800 | 187 | 52.9 | O | B64 | 4P | 2.0 | 29400 | 731 | 158.4 | O | | |
| 8.8 | 8800 | 165 | 52.9 | O | X96 | | 2.2 | 29400 | 649 | 158.4 | O | | |
| 10.2 | 7717 | 143 | 52.9 | 1.10 | | | 2.5 | 29400 | 595 | 158.4 | O | B95 | 4P |
| 12.1 | 6530 | 121 | 52.9 | 1.30 | | | 3.0 | 29400 | 493 | 158.4 | O | X128 | |
| 14.7 | 5342 | 99 | 52.9 | 1.35 | | | 3.7 | 28773 | 391 | 158.4 | 1.00 | | |
| 11.1 | 8480 | 87 | 72.5 | 1.15 | | | 4.6 | 23474 | 319 | 158.4 | 1.25 | | |
| 13.7 | 6920 | 71 | 72.5 | 1.55 | | | 5.8 | 18618 | 253 | 158.4 | 1.55 | | |
| 16.4 | 5751 | 59 | 66.5 | 1.90 | B7* | 6P | 2.5 | 21500 | 595 | 91.7 | O | | |
| 20.6 | 4581 | 47 | 63.4 | 2.25 | X10* | | 3.0 | 21500 | 493 | 91.7 | O | | |
| 22.6 | 4191 | 43 | 62.2 | 2.60 | | | 3.7 | 21500 | 391 | 91.7 | O | | |
| 27.7 | 3411 | 35 | 58.9 | 2.60 | | | 4.6 | 21500 | 319 | 91.7 | O | B85 | 4P |
| 11.1 | 8480 | 87 | 52.9 | 0.85 | | | 5.1 | 21267 | 289 | 91.7 | 1.00 | X118 | |
| 13.7 | 6920 | 71 | 52.9 | 0.85 | B6* | 6P | 5.8 | 18618 | 253 | 91.7 | 1.15 | | |
| 16.4 | 5751 | 59 | 49.6 | 0.90 | X9* | | 7.8 | 13761 | 187 | 91.7 | 1.55 | | |
| 20.6 | 4581 | 47 | 49.6 | 1.35 | | | 11.5 | 9309 | 121 | 91.7 | 1.65 | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 15kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1460 | 970 |
| 11.1 | 11563 | 87 | 72.5 | 0.80 | | |
| 13.7 | 9437 | 71 | 72.5 | 1.15 | | |
| 16.4 | 7842 | 59 | 66.5 | 1.40 | | |
| 20.6 | 6247 | 47 | 63.4 | 1.65 | | |
| 22.6 | 5715 | 43 | 62.2 | 1.90 | | |
| 27.7 | 4652 | 35 | 58.9 | 1.90 | B7* X10* | 6P |
| 33.4 | 3854 | 29 | 56.2 | 2.60 | | |
| 42.2 | 3057 | 23 | 47.8 | 3.20 | | |
| 57.1 | 2260 | 17 | 47.8 | 3.20 | | |
| 62.6 | 2060 | 15 | 44.4 | 3.20 | | |
| 84.3 | 1528 | 11 | 40.9 | 3.20 | | |
| 20.6 | 6247 | 47 | 49.6 | 0.95 | | |
| 22.6 | 5715 | 43 | 49.6 | 0.95 | | |
| 27.7 | 4652 | 35 | 46.9 | 1.35 | | |
| 33.4 | 3854 | 29 | 44.8 | 1.60 | | |
| 42.2 | 3057 | 23 | 40.2 | 1.95 | B6* X9* | 6P |
| 51.1 | 2525 | 19 | 37.2 | 1.95 | | |
| 57.1 | 2260 | 17 | 34.9 | 1.95 | | |
| 64.7 | 1994 | 15 | 34.2 | 1.95 | | |
| 74.6 | 1728 | 13 | 33.4 | 1.95 | | |
| 88.2 | 1462 | 11 | 32.6 | 1.95 | | |
| 31.1 | 4150 | 47 | 27.0 | 0.95 | | |
| 34.0 | 3797 | 43 | 26.4 | 0.95 | | |
| 41.7 | 3091 | 35 | 26.4 | 1.25 | | |
| 50.3 | 2561 | 29 | 25.2 | 1.35 | | |
| 63.5 | 2031 | 23 | 22.2 | 1.65 | B5 X8 | 4P |
| 76.8 | 1678 | 19 | 21.6 | 1.65 | | |
| 85.9 | 1501 | 17 | 20.9 | 1.65 | | |
| 97.3 | 1325 | 15 | 19.2 | 1.65 | | |
| 112.3 | 1148 | 13 | 16.8 | 1.65 | | |
| 132.7 | 971 | 11 | 15.4 | 1.65 | | |
| 63.5 | 2031 | 23 | 9.8 | 0.95 | | |
| 76.8 | 1678 | 19 | 9.4 | 0.95 | | |
| 85.9 | 1501 | 17 | 9.1 | 0.95 | B4 X6 X7 | 4P |
| 97.3 | 1325 | 15 | 8.8 | 0.95 | | |
| 112.3 | 1148 | 13 | 8.4 | 0.95 | | |
| 132.7 | 971 | 11 | 8.0 | 0.95 | | |
| 162.2 | 795 | 9 | 6.6 | 0.95 | | |
| 18.5kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1470 | 980 |
| 1.7 | 29400 | 841 | 158.4 | O | | |
| 2.0 | 29400 | 731 | 158.4 | O | | |
| 2.3 | 29400 | 649 | 158.4 | O | | |
| 2.5 | 29400 | 595 | 158.4 | O | B95 X128 | 4P |
| 3.0 | 29400 | 493 | 158.4 | O | | |
| 3.8 | 29400 | 391 | 158.4 | O | | |
| 4.6 | 28755 | 319 | 158.4 | 1.00 | | |
| 5.8 | 22805 | 253 | 158.4 | 1.25 | | |
| 3.8 | 21500 | 391 | 91.7 | O | | |
| 4.6 | 21500 | 319 | 91.7 | O | | |
| 5.1 | 21500 | 289 | 91.7 | O | B85 X118 | 4P |
| 5.8 | 21500 | 253 | 91.7 | O | | |
| 7.9 | 16856 | 187 | 91.7 | 1.25 | | |
| 11.6 | 11403 | 121 | 91.7 | 1.35 | | |

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 18.5kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1470 | 980 |
| 11.1 | 14261 | 87 | 91.7 | 1.30 | | |
| 13.7 | 11639 | 71 | 91.7 | 1.65 | | |
| 16.4 | 9672 | 59 | 84.1 | 2.00 | B8* X11* | 6P |
| 22.6 | 7049 | 43 | 78.7 | 2.70 | | |
| 27.7 | 5737 | 35 | 74.5 | 3.25 | | |
| 13.7 | 11639 | 71 | 72.5 | 0.90 | | |
| 16.4 | 9672 | 59 | 66.5 | 1.15 | | |
| 20.6 | 7704 | 47 | 63.4 | 1.35 | | |
| 22.6 | 7049 | 43 | 62.2 | 1.50 | | |
| 27.7 | 5737 | 35 | 58.9 | 1.50 | B7* X10* | 6P |
| 33.4 | 4754 | 29 | 56.2 | 2.10 | | |
| 42.2 | 3770 | 23 | 47.8 | 2.60 | | |
| 57.1 | 2787 | 17 | 47.8 | 2.60 | | |
| 62.6 | 2541 | 15 | 44.4 | 2.60 | | |
| 84.3 | 1885 | 11 | 40.9 | 2.60 | | |
| 22.6 | 7049 | 43 | 49.6 | 0.80 | | |
| 27.7 | 5737 | 35 | 46.9 | 1.05 | | |
| 33.4 | 4754 | 29 | 44.8 | 1.30 | | |
| 42.2 | 3770 | 23 | 40.2 | 1.60 | | |
| 51.1 | 3115 | 19 | 37.2 | 1.60 | B6* X9* | 6P |
| 57.1 | 2787 | 17 | 34.9 | 1.60 | | |
| 64.7 | 2459 | 15 | 34.2 | 1.60 | | |
| 74.6 | 2131 | 13 | 33.4 | 1.60 | | |
| 88.2 | 1803 | 11 | 32.6 | 1.60 | | |
| 42.0 | 3786 | 35 | 26.4 | 1.00 | | |
| 50.7 | 3137 | 29 | 25.2 | 1.00 | | |
| 63.9 | 2488 | 23 | 22.2 | 1.35 | | |
| 77.4 | 2055 | 19 | 21.6 | 1.35 | B5* X8* | 4P |
| 86.5 | 1839 | 17 | 20.9 | 1.35 | | |
| 98.0 | 1623 | 15 | 19.2 | 1.35 | | |
| 113.1 | 1406 | 13 | 16.8 | 1.35 | | |
| 133.6 | 1190 | 11 | 15.4 | 1.35 | | |
| 22kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1470 | 980 |
| 11.1 | 16960 | 87 | 91.7 | 1.10 | | |
| 13.7 | 13841 | 71 | 91.7 | 1.40 | | |
| 16.4 | 11501 | 59 | 84.1 | 1.70 | | |
| 22.6 | 8382 | 43 | 78.7 | 2.25 | B8* X11* | 6P |
| 27.7 | 6823 | 35 | 74.5 | 2.75 | | |
| 33.4 | 5653 | 29 | 71.2 | 3.35 | | |
| 42.2 | 4438 | 23 | 64.4 | 3.35 | | |
| 57.1 | 3280 | 17 | 60.5 | 3.35 | | |
| 84.3 | 2219 | 11 | 54.0 | 3.35 | | |
| 16.4 | 11501 | 59 | 66.5 | 0.95 | | |
| 20.6 | 9162 | 47 | 63.4 | 1.10 | | |
| 22.6 | 8382 | 43 | 62.2 | 1.30 | | |
| 27.7 | 6823 | 35 | 58.9 | 1.30 | | |
| 33.4 | 5653 | 29 | 56.2 | 1.75 | B7* X10* | 6P |
| 42.2 | 4484 | 23 | 47.8 | 2.15 | | |
| 57.1 | 3314 | 17 | 47.8 | 2.15 | | |
| 62.6 | 3022 | 15 | 44.4 | 2.15 | | |
| 84.3 | 2242 | 11 | 40.9 | 2.15 | | |

注：1. 带*机型不能配置直联电机；

2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

## 选型参数表

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 22kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1470 | 980 |
| 27.7 | 6823 | 35 | 46.9 | 0.90 | B6* X9* | 6P |
| 33.4 | 5653 | 29 | 44.8 | 1.05 | | |
| 42.2 | 4484 | 23 | 40.2 | 1.35 | | |
| 51.1 | 3704 | 19 | 37.2 | 1.35 | | |
| 57.1 | 3314 | 17 | 34.9 | 1.35 | | |
| 64.7 | 2924 | 15 | 34.2 | 1.35 | | |
| 74.6 | 2534 | 13 | 33.4 | 1.35 | | |
| 88.2 | 2144 | 11 | 32.6 | 1.35 | | |
| 30kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1470 | 980 |
| 11.3 | 22891 | 87 | 158.4 | 1.30 | B9* X12* | 6P |
| 13.8 | 18681 | 71 | 158.4 | 1.60 | | |
| 16.6 | 15524 | 59 | 158.4 | 1.85 | | |
| 22.8 | 11314 | 43 | 150.0 | 2.45 | | |
| 28.0 | 9209 | 35 | 121.2 | 2.90 | | |
| 33.8 | 7630 | 29 | 121.2 | 3.35 | | |
| 42.6 | 6052 | 23 | 121.2 | 3.35 | | |
| 11.3 | 22891 | 87 | 91.7 | 0.80 | B8* X11* | 6P |
| 13.8 | 18681 | 71 | 91.7 | 1.00 | | |
| 16.6 | 15524 | 59 | 84.1 | 1.25 | | |
| 22.8 | 11314 | 43 | 78.7 | 1.65 | | |
| 28.0 | 9209 | 35 | 74.5 | 2.00 | | |
| 33.8 | 7630 | 29 | 71.2 | 2.45 | | |
| 42.6 | 6052 | 23 | 64.4 | 2.45 | | |
| 57.6 | 4473 | 17 | 60.5 | 2.45 | | |
| 85.2 | 3026 | 11 | 54.0 | 2.45 | | |
| 22.8 | 11314 | 43 | 62.2 | 0.95 | B7* X10* | 6P |
| 28.0 | 9209 | 35 | 58.9 | 0.95 | | |
| 33.8 | 7630 | 29 | 56.2 | 1.30 | | |
| 42.6 | 6052 | 23 | 47.8 | 1.60 | | |
| 57.6 | 4473 | 17 | 47.8 | 1.60 | | |
| 63.2 | 4078 | 15 | 44.4 | 1.60 | | |
| 85.2 | 3026 | 11 | 40.9 | 1.60 | | |
| 42.6 | 6052 | 23 | 40.2 | 0.95 | B6* X9* | 6P |
| 51.6 | 4999 | 19 | 37.2 | 0.95 | | |
| 57.6 | 4473 | 17 | 34.9 | 0.95 | | |
| 65.3 | 3947 | 15 | 34.2 | 0.95 | | |
| 75.4 | 3420 | 13 | 33.4 | 0.95 | | |
| 89.1 | 2894 | 11 | 32.6 | 0.95 | | |
| 37kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1475 | 980 |
| 11.3 | 28232 | 87 | 158.4 | 1.05 | B9* X12* | 6P |
| 13.8 | 23040 | 71 | 158.4 | 1.30 | | |
| 16.6 | 19146 | 59 | 158.4 | 1.50 | | |
| 22.8 | 13954 | 43 | 150.0 | 2.00 | | |
| 28.0 | 11358 | 35 | 121.2 | 2.35 | | |
| 33.8 | 9411 | 29 | 121.2 | 2.70 | | |
| 42.6 | 7464 | 23 | 121.2 | 2.70 | | |

| $n_a$ [r/min] | $M_a$ [Nm] | i | $F_{ra}$ [kN] | $f_B$ | 机型号 | 极数 |
|---|---|---|---|---|---|---|
| 37kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1475 | 980 |
| 16.6 | 19146 | 59 | 84.1 | 1.00 | B8* X11* | 6P |
| 22.8 | 13954 | 43 | 78.7 | 1.35 | | |
| 28.0 | 11358 | 35 | 74.5 | 1.60 | | |
| 33.8 | 9411 | 29 | 71.2 | 2.00 | | |
| 42.6 | 7464 | 23 | 64.4 | 2.00 | | |
| 57.6 | 5517 | 17 | 60.5 | 2.00 | | |
| 85.2 | 3732 | 11 | 54.0 | 2.00 | | |
| 33.8 | 9411 | 29 | 56.2 | 1.00 | B7* X10* | 6P |
| 42.6 | 7464 | 23 | 47.8 | 1.30 | | |
| 57.6 | 5517 | 17 | 47.8 | 1.30 | | |
| 63.2 | 5030 | 15 | 44.4 | 1.30 | | |
| 85.2 | 3732 | 11 | 40.9 | 1.30 | | |
| 45kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1475 | 980 |
| 13.8 | 28021 | 71 | 158.4 | 1.05 | B9* X12* | 6P |
| 16.6 | 23285 | 59 | 158.4 | 1.25 | | |
| 22.8 | 16971 | 43 | 150.0 | 1.65 | | |
| 28.0 | 13813 | 35 | 121.2 | 1.95 | | |
| 33.8 | 11445 | 29 | 121.2 | 2.25 | | |
| 42.6 | 9077 | 23 | 121.2 | 2.25 | | |
| 22.8 | 16971 | 43 | 78.7 | 1.10 | B8* X11* | 6P |
| 28.0 | 13813 | 35 | 74.5 | 1.35 | | |
| 33.8 | 11445 | 29 | 71.2 | 1.65 | | |
| 42.6 | 9077 | 23 | 64.4 | 1.65 | | |
| 57.6 | 6709 | 17 | 60.5 | 1.65 | | |
| 85.2 | 4539 | 11 | 54.0 | 1.65 | | |
| 33.8 | 11445 | 29 | 56.2 | 0.85 | B7* X10* | 6P |
| 42.6 | 9077 | 23 | 47.8 | 1.00 | | |
| 57.6 | 6709 | 17 | 47.8 | 1.00 | | |
| 63.2 | 6117 | 15 | 44.4 | 1.00 | | |
| 85.2 | 4539 | 11 | 40.9 | 1.00 | | |
| 55kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1480 | 980 |
| 16.6 | 28460 | 59 | 158.4 | 1.00 | B9* X12* | 6P |
| 22.8 | 20742 | 43 | 150.0 | 1.35 | | |
| 28.0 | 16883 | 35 | 121.2 | 1.60 | | |
| 33.8 | 13989 | 29 | 121.2 | 1.80 | | |
| 42.6 | 11095 | 23 | 121.2 | 1.80 | | |
| 28.0 | 16883 | 35 | 74.5 | 1.10 | B8* X11* | 6P |
| 33.8 | 13989 | 29 | 71.2 | 1.35 | | |
| 42.6 | 11095 | 23 | 64.4 | 1.35 | | |
| 57.6 | 8200 | 17 | 60.5 | 1.35 | | |
| 85.2 | 5547 | 11 | 54.0 | 1.35 | | |
| 75kW | | | 频率 | Hz | 50 | |
| | | | 极数 | P | 4 | 6 |
| | | | 转速 n | r/min | 1480 | 980 |
| 22.8 | 27999 | 43 | 150.0 | 0.95 | B9* X12* | 6P |
| 28.0 | 22790 | 35 | 121.2 | 1.15 | | |
| 33.8 | 18883 | 29 | 121.2 | 1.35 | | |
| 42.6 | 14976 | 23 | 121.2 | 1.35 | | |

注：1. 带*机型不能配置直联电机；

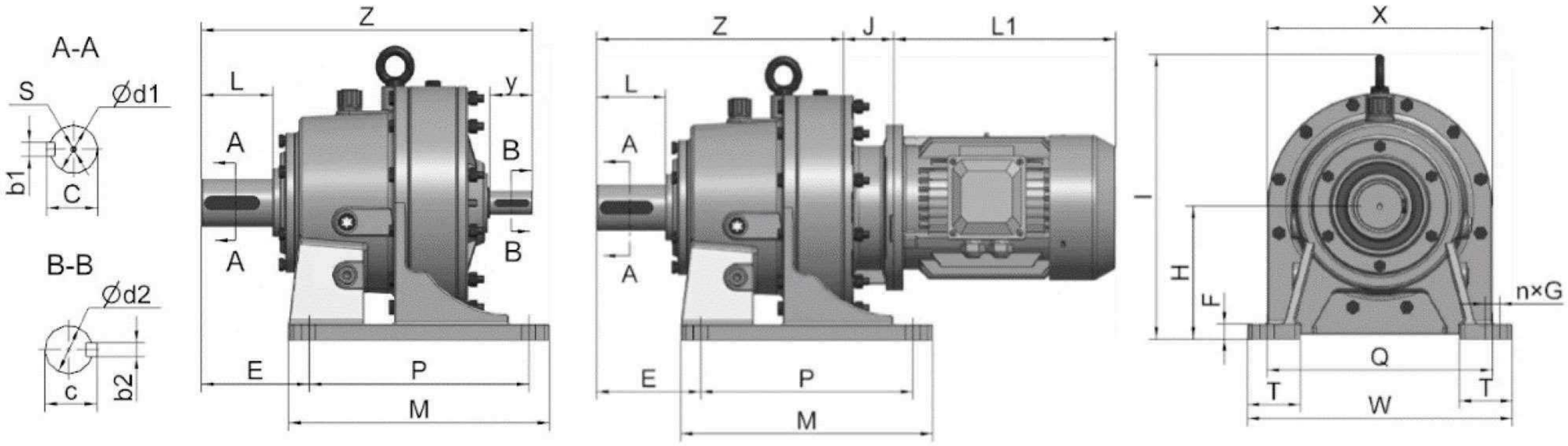
2. $f_B$ 栏有“O”的机型，不能使用电机 100%功率，运转时负载转矩请保持在表中“Ma”以下，为了保护主机，请自加安全装置；

3. 所有机型均可配置对应相同电机机座号的 6P、8P 电机；

4. 三级传动许用输出扭矩、许用径向力值参照二级传动中的最大值。

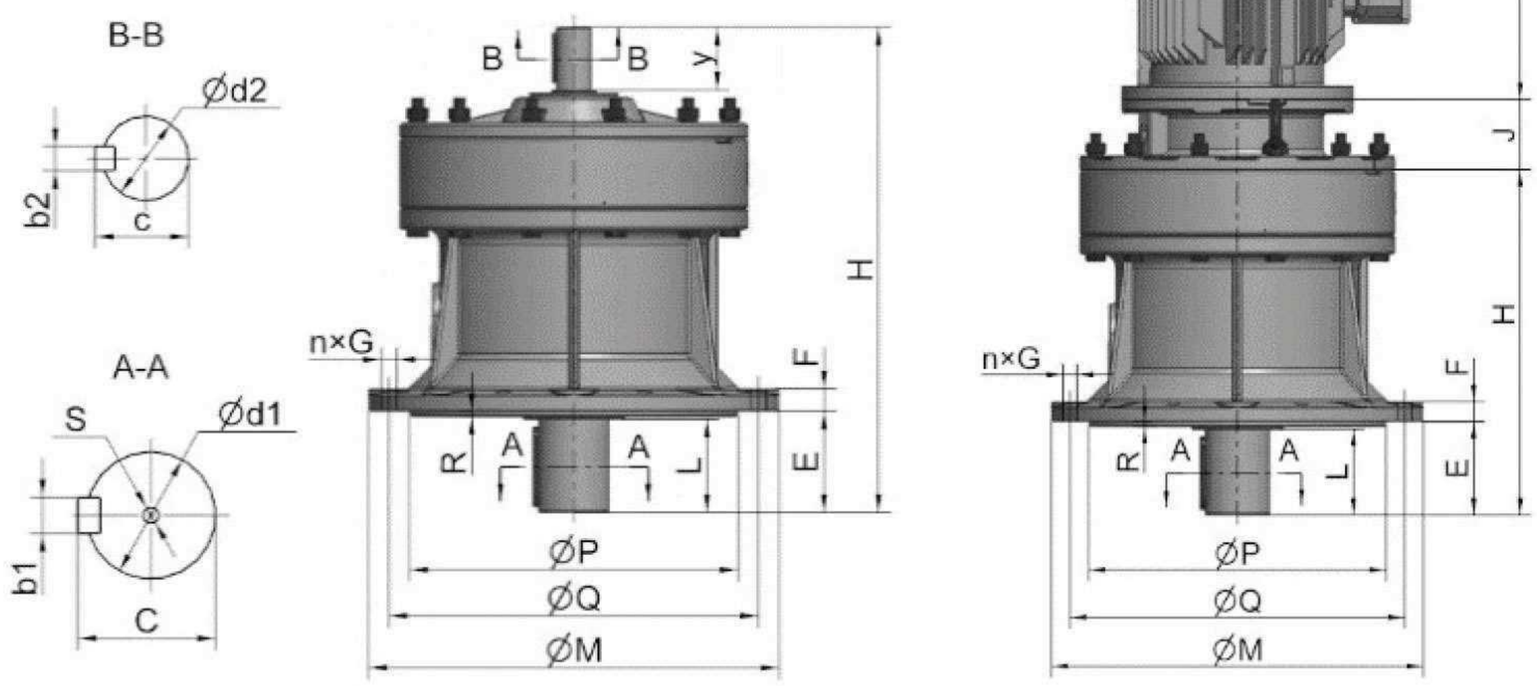
# 3 外形及安装尺寸

## 3.1 BW、BWD、XW、XWD 型（单级）外形安装尺寸



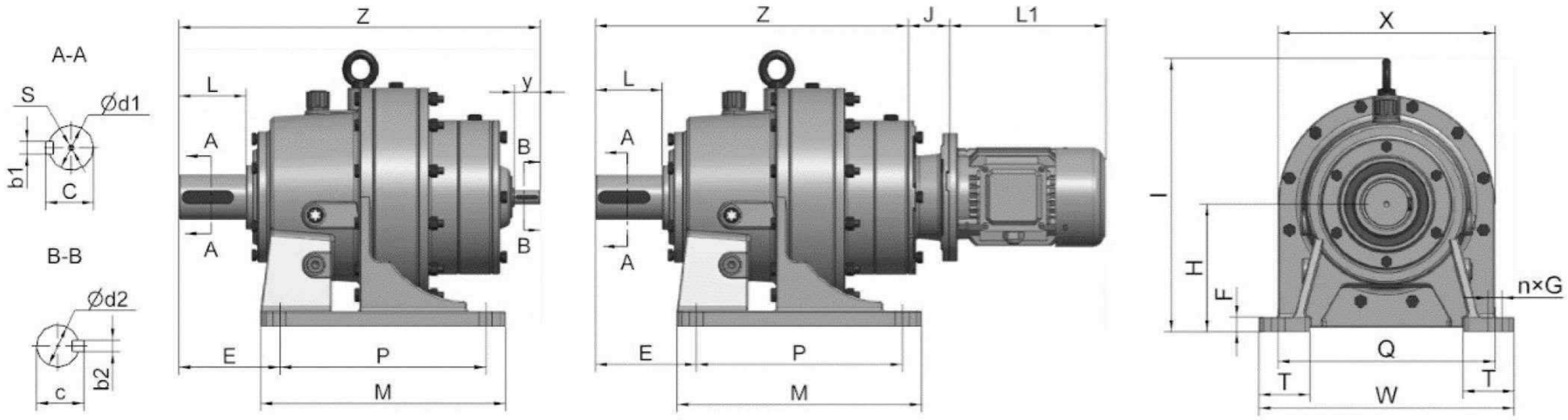

| 机型号 | 中心高H | 轴端尺寸 | | | | | | | | 安装尺寸 | | | | | | | | 外形尺寸 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 输出轴 | | | | 输入轴 | | | | | | | | | | | | | | Z | | | |
| | | d1 (h6) | b1 | C | L | d2 (h6) | b2 | c | y | E | F | P | Q | S | T | N | ΦG | M | W | BW | BWD | I | X |
| BW.BWD09-9 | | | | | | | | | | | | | | | | | | | | | | | |
| B09 | 80 | 22 | 6 | 24.5 | 30 | 15 | 5 | 17 | 22 | 46.5 | 12 | 76 | 120 | M5 | 30 | 4 | 11 | 100 | 144 | 192 | 142 | 155 | 140 |
| B0 | 100 | 30 | 8 | 33 | 35 | 15 | 5 | 17 | 22 | 94 | 15 | 90 | 150 | M8 | 35 | 4 | 11 | 120 | 185 | 214 | 165 | 190 | 168 |
| B1 | 120 | 35 | 10 | 38 | 56 | 18 | 6 | 20.5 | 35 | 125 | 14 | 110 | 240 | M10 | 55 | 4 | 13 | 160 | 280 | 263 | 194 | 250 | 200 |
| B2 | 140 | 45 | 14 | 48.5 | 71 | 22 | 6 | 24.5 | 40 | 144 | 19 | 150 | 280 | M10 | 60 | 4 | 13 | 200 | 320 | 320 | 246 | 296 | 240 |
| B3 | 160 | 55 | 16 | 59 | 80 | 30 | 8 | 33 | 55 | 156 | 23 | 200 | 340 | M12 | 75 | 4 | 17 | 250 | 390 | 390 | 294 | 355 | 300 |
| B4 | 200 | 70 | 20 | 74.5 | 104 | 35 | 10 | 38 | 62 | 157 | 23 | 320 | 340 | M12 | 80 | 4 | 22 | 380 | 400 | 481 | 370 | 430 | 340 |
| B5 | 240 | 90 | 25 | 95 | 122 | 45 | 14 | 48.5 | 70 | 160 | 33 | 380 | 420 | M16 | 80 | 4 | 22 | 440 | 470 | 564 | 438 | 513 | 400 |
| B6 | 280 | 100 | 28 | 106 | 139 | 50 | 14 | 53.5 | 80 | 199 | 35 | 440 | 500 | M20 | 90 | 4 | 26 | 520 | 560 | 670 | 528 | 605 | 500 |
| B7 | 325 | 110 | 28 | 116 | 150 | 55 | 16 | 59 | 90 | 230 | 45 | 250×2 | 630 | M24 | 105 | 6 | 30 | 600 | 690 | 775 | 578 | 706 | 575 |
| B8 | 420 | 130 | 32 | 137 | 202 | 70 | 20 | 74.5 | 120 | 325 | 50 | 330×2 | 800 | M30 | 140 | 6 | 32 | 810 | 880 | 1066 | 814 | 880 | 700 |
| B9 | 540 | 180 | 45 | 190 | 327 | 90 | 25 | 95 | 150 | 481 | 58 | 420×2 | 1050 | M42 | 200 | 6 | 45 | 1040 | 1160 | 1465 | 1151 | 1160 | 950 |
| XW.XWD1-12 | | | | | | | | | | | | | | | | | | | | | | | |
| X1 | 100 | 25 | 8 | 28 | 35 | 15 | 5 | 17 | 22 | 61 | 12 | 90 | 150 | M5 | 30 | 4 | 12 | 120 | 180 | 199 | 147 | 175 | 140 |
| X2 | 100 | 25 | 8 | 28 | 33 | 15 | 5 | 17 | 22 | 101 | 15 | 90 | 180 | M8 | 45 | 4 | 12 | 120 | 210 | 216 | 164 | 190 | 168 |
| X3 | 140 | 35 | 10 | 38 | 56 | 18 | 6 | 20.5 | 35 | 152 | 18 | 100 | 250 | M10 | 60 | 4 | 16 | 150 | 290 | 263 | 194 | 270 | 200 |
| X4 | 150 | 45 | 14 | 48.5 | 73 | 22 | 6 | 24.5 | 40 | 168 | 19 | 145 | 290 | M10 | 65 | 4 | 16 | 195 | 330 | 324 | 246 | 316 | 240 |
| X5 | 160 | 55 | 16 | 59 | 91 | 30 | 8 | 33 | 55 | 204 | 23 | 150 | 370 | M12 | 70 | 4 | 16 | 260 | 410 | 401 | 305 | 356 | 300 |
| X6 | 200 | 65 | 18 | 69 | 89 | 35 | 10 | 38 | 62 | 125 | 27 | 275 | 380 | M12 | 75 | 4 | 22 | 335 | 430 | 466 | 359 | 425 | 340 |
| X7 | 220 | 80 | 22 | 85 | 107 | 40 | 12 | 43 | 65 | 143 | 27 | 320 | 420 | M12 | 90 | 4 | 22 | 380 | 470 | 486 | 377 | 484 | 340 |
| X8 | 250 | 90 | 25 | 95 | 122 | 45 | 14 | 48.5 | 70 | 157 | 35 | 380 | 480 | M16 | 100 | 4 | 22 | 440 | 530 | 564 | 438 | 514 | 400 |
| X9 | 290 | 100 | 28 | 106 | 141 | 50 | 14 | 53.5 | 80 | 186 | 40 | 480 | 560 | M20 | 120 | 4 | 26 | 560 | 620 | 691 | 551 | 614 | 500 |
| X10 | 325 | 110 | 28 | 116 | 150 | 55 | 16 | 59 | 90 | 230 | 45 | 250×2 | 630 | M24 | 105 | 6 | 30 | 600 | 690 | 775 | 578 | 706 | 575 |
| X11 | 420 | 130 | 32 | 137 | 202 | 70 | 20 | 74.5 | 120 | 325 | 50 | 330×2 | 800 | M30 | 140 | 6 | 32 | 810 | 880 | 1066 | 814 | 880 | 700 |
| X12 | 540 | 180 | 45 | 190 | 327 | 90 | 25 | 95 | 150 | 481 | 58 | 420×2 | 1050 | M42 | 200 | 6 | 45 | 1040 | 1160 | 1465 | 1151 | 1160 | 950 |

## 3.2 BL、BLD、XLW、XLD 型（单级）外形安装尺寸



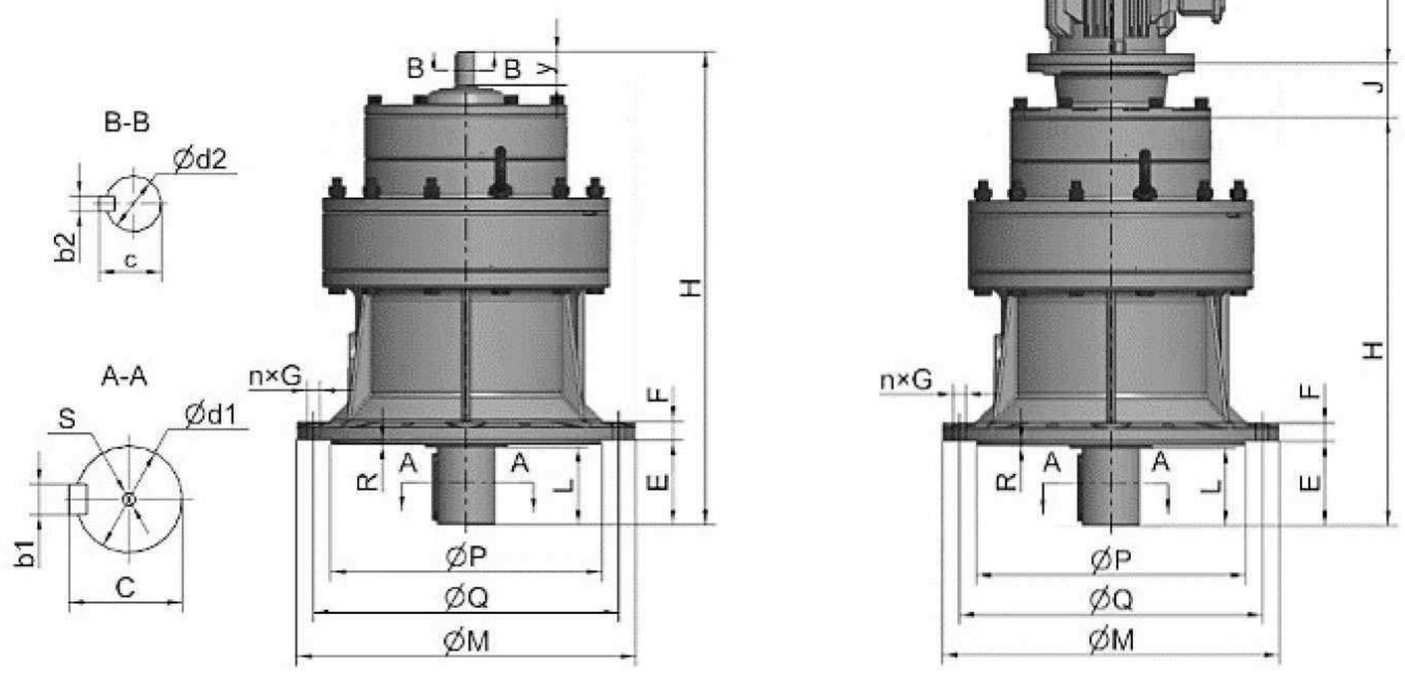

| 机型号 | 轴端尺寸 | | | | | | | | 安装尺寸 | | | | | | | | 外形尺寸 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输出轴 | | | | 输入轴 | | | | | | | | | | | | H | | M |
| | d1 (h6) | b1 | C | L | d2 (h6) | b2 | c | y | E | F | ΦG | N | P (h9) | Q | R | S | BL | BLD | |
| BL.BLD09-9 | | | | | | | | | | | | | | | | | | | |
| B09 | 22 | 6 | 24.5 | 30 | 15 | 5 | 17 | 22 | 35 | 10 | 11 | 4 | 110 | 134 | 3 | M5 | 192 | 142 | 159 |
| B0 | 30 | 8 | 33 | 35 | 15 | 5 | 17 | 22 | 39 | 14 | 11 | 4 | 140 | 160 | 3 | M8 | 214 | 165 | 188 |
| B1 | 35 | 10 | 38 | 47 | 18 | 6 | 20.5 | 35 | 61 | 15 | 11 | 6 | 170 | 200 | 4 | M10 | 263 | 194 | 230 |
| B2 | 45 | 14 | 48.5 | 61 | 22 | 6 | 24.5 | 40 | 70 | 16 | 11 | 6 | 200 | 230 | 4 | M10 | 320 | 246 | 260 |
| B3 | 55 | 16 | 59 | 74 | 30 | 8 | 33 | 55 | 79 | 20 | 13 | 6 | 270 | 310 | 4 | M12 | 390 | 294 | 340 |
| B4 | 70 | 20 | 74.5 | 92 | 35 | 10 | 38 | 62 | 100 | 22 | 15 | 8 | 320 | 360 | 5 | M12 | 479 | 370 | 400 |
| B5 | 90 | 25 | 95 | 110 | 45 | 14 | 48.5 | 70 | 118 | 30 | 18 | 12 | 400 | 450 | 5 | M16 | 564 | 438 | 490 |
| B6 | 100 | 28 | 106 | 130 | 50 | 14 | 53.5 | 80 | 138 | 35 | 22 | 12 | 460 | 520 | 8 | M20 | 668 | 528 | 580 |
| B7 | 110 | 28 | 116 | 142 | 55 | 16 | 59 | 90 | 182 | 40 | 22 | 12 | 520 | 590 | 10 | M24 | 775 | 578 | 650 |
| B8 | 130 | 32 | 137 | 202 | 70 | 20 | 74.5 | 120 | 211 | 50 | 38 | 12 | 680 | 800 | 10 | M30 | 1061 | 814 | 880 |
| B9 | 180 | 45 | 190 | 320 | 90 | 25 | 95 | 150 | 370 | 60 | 39 | 8 | 900 | 1020 | 10 | M42 | 1462 | 1151 | 1160 |
| XW.XWD1-12 | | | | | | | | | | | | | | | | | | | |
| X1 | 25 | 8 | 28 | 36 | 15 | 5 | 17 | 22 | 41 | 10 | 12 | 4 | 110 | 134 | 3 | M5 | 201 | 147 | 159 |
| X2 | 25 | 8 | 28 | 33 | 15 | 5 | 17 | 22 | 39 | 14 | 12 | 6 | 130 | 160 | 3 | M8 | 216 | 164 | 180 |
| X3 | 35 | 10 | 38 | 47 | 18 | 6 | 20.5 | 35 | 51 | 15 | 12 | 6 | 170 | 200 | 4 | M10 | 263 | 194 | 230 |
| X4 | 45 | 14 | 48.5 | 63 | 22 | 6 | 24.5 | 40 | 79 | 15 | 12 | 6 | 200 | 230 | 4 | M10 | 324 | 250 | 260 |
| X5 | 55 | 16 | 59 | 85 | 30 | 8 | 33 | 55 | 90 | 20 | 13 | 6 | 270 | 310 | 4 | M12 | 401 | 305 | 340 |
| X6 | 65 | 18 | 69 | 80 | 35 | 10 | 38 | 62 | 90 | 22 | 16 | 8 | 316 | 360 | 5 | M12 | 466 | 359 | 400 |
| X7 | 80 | 22 | 85 | 97 | 40 | 12 | 43 | 65 | 114 | 22 | 18 | 8 | 345 | 390 | 5 | M12 | 486 | 377 | 430 |
| X8 | 90 | 25 | 95 | 110 | 45 | 14 | 48.5 | 70 | 118 | 30 | 18 | 12 | 400 | 450 | 5 | M16 | 564 | 438 | 490 |
| X9 | 100 | 28 | 106 | 134 | 50 | 14 | 53.5 | 80 | 170 | 35 | 22 | 12 | 455 | 520 | 8 | M20 | 691 | 551 | 580 |
| X10 | 110 | 28 | 116 | 142 | 55 | 16 | 59 | 90 | 182 | 40 | 22 | 12 | 520 | 590 | 10 | M24 | 775 | 578 | 650 |
| X11 | 130 | 32 | 137 | 202 | 70 | 20 | 74.5 | 120 | 211 | 50 | 38 | 12 | 680 | 800 | 10 | M30 | 1061 | 814 | 880 |
| X12 | 180 | 45 | 190 | 320 | 90 | 25 | 95 | 150 | 370 | 60 | 39 | 8 | 900 | 1020 | 10 | M42 | 1462 | 1151 | 1160 |

## 3.3 BWE、BWED、XWE、XWED 型（双级）外形安装尺寸




| 机型号 | 中心高 H | 轴端尺寸 | | | | | | | | 安装尺寸 | | | | | | | | 外形尺寸 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 输出轴 | | | | 输入轴 | | | | | | | | | | | | | | Z | | | |
| | | d1 (h6) | b1 | C | L | d2 (h6) | b2 | c | y | E | F | P | Q | S | T | N | ΦG | M | W | BWE | BWED | I | X |
| BWE.BWED10-95 | | | | | | | | | | | | | | | | | | | | | | | |
| B10 | 120 | 35 | 10 | 38 | 56 | 15 | 5 | 17 | 22 | 125 | 14 | 110 | 240 | M10 | 55 | 4 | 13 | 160 | 280 | 317 | 267 | 250 | 200 |
| B20 | 140 | 45 | 14 | 48.5 | 71 | 15 | 5 | 17 | 22 | 144 | 19 | 150 | 280 | M10 | 60 | 4 | 13 | 200 | 320 | 364 | 315 | 306 | 240 |
| B31 | 160 | 55 | 16 | 59 | 80 | 18 | 6 | 20.5 | 35 | 156 | 23 | 200 | 340 | M12 | 75 | 4 | 17 | 250 | 390 | 446 | 376 | 356 | 300 |
| B41 | 200 | 70 | 20 | 74.5 | 104 | 18 | 6 | 20.5 | 35 | 157 | 23 | 320 | 340 | M12 | 80 | 4 | 22 | 380 | 400 | 523 | 454 | 425 | 340 |
| B42 | 200 | 70 | 20 | 74.5 | 104 | 22 | 6 | 24.5 | 40 | 157 | 23 | 320 | 340 | M12 | 80 | 4 | 22 | 380 | 400 | 554 | 479 | 425 | 340 |
| B52 | 240 | 90 | 25 | 95 | 122 | 22 | 6 | 24.5 | 40 | 160 | 33 | 380 | 420 | M16 | 80 | 4 | 22 | 440 | 470 | 623 | 548 | 504 | 400 |
| B53 | 240 | 90 | 25 | 95 | 122 | 30 | 8 | 33 | 55 | 160 | 33 | 380 | 420 | M16 | 80 | 4 | 22 | 440 | 470 | 657 | 561 | 504 | 400 |
| B63 | 280 | 100 | 28 | 106 | 139 | 30 | 8 | 33 | 55 | 199 | 35 | 440 | 500 | M20 | 90 | 4 | 26 | 520 | 560 | 741 | 645 | 605 | 500 |
| B64 | 280 | 100 | 28 | 106 | 139 | 35 | 10 | 38 | 62 | 199 | 35 | 440 | 500 | M20 | 90 | 4 | 26 | 520 | 560 | 780 | 671 | 605 | 500 |
| B74 | 325 | 110 | 28 | 116 | 150 | 35 | 10 | 38 | 62 | 230 | 45 | 250×2 | 630 | M24 | 105 | 6 | 30 | 600 | 690 | 832 | 725 | 706 | 575 |
| B84 | 420 | 130 | 32 | 137 | 202 | 35 | 10 | 38 | 62 | 325 | 50 | 330×2 | 800 | M30 | 140 | 6 | 32 | 810 | 880 | 1071 | 962 | 880 | 700 |
| B85 | 420 | 130 | 32 | 137 | 202 | 45 | 14 | 48.5 | 70 | 325 | 50 | 330×2 | 800 | M30 | 140 | 6 | 32 | 810 | 880 | 1095 | 970 | 880 | 700 |
| B95 | 540 | 180 | 45 | 190 | 327 | 45 | 14 | 48.5 | 70 | 481 | 58 | 420×2 | 1050 | M42 | 200 | 6 | 45 | 1040 | 1160 | 1440 | 1320 | 1160 | 950 |
| XWE.XWED32-128 | | | | | | | | | | | | | | | | | | | | | | | |
| X32 | 140 | 35 | 10 | 38 | 56 | 15 | 5 | 17 | 22 | 152 | 18 | 100 | 250 | M10 | 60 | 4 | 16 | 150 | 290 | 314 | 364 | 270 | 200 |
| X42 | 150 | 45 | 14 | 48.5 | 73 | 15 | 5 | 17 | 22 | 168 | 19 | 145 | 290 | M10 | 65 | 4 | 16 | 195 | 330 | 370 | 315 | 316 | 240 |
| X53 | 160 | 55 | 16 | 59 | 91 | 18 | 6 | 20.5 | 35 | 204 | 23 | 150 | 370 | M12 | 70 | 4 | 16 | 260 | 410 | 457 | 387 | 356 | 300 |
| X63 | 200 | 65 | 18 | 69 | 89 | 18 | 6 | 20.5 | 35 | 125 | 27 | 275 | 380 | M12 | 75 | 4 | 22 | 335 | 430 | 510 | 441 | 425 | 340 |
| X64 | 200 | 65 | 18 | 69 | 89 | 22 | 6 | 24.5 | 40 | 125 | 27 | 275 | 380 | M12 | 75 | 4 | 22 | 335 | 430 | 541 | 466 | 425 | 340 |
| X74 | 220 | 80 | 22 | 85 | 107 | 22 | 6 | 24.5 | 40 | 143 | 27 | 320 | 420 | M12 | 90 | 4 | 22 | 380 | 470 | 561 | 486 | 484 | 340 |
| X84 | 250 | 90 | 25 | 95 | 122 | 22 | 6 | 24.5 | 40 | 157 | 35 | 380 | 480 | M16 | 100 | 4 | 22 | 440 | 530 | 623 | 548 | 514 | 400 |
| X85 | 250 | 90 | 25 | 95 | 122 | 30 | 8 | 33 | 55 | 157 | 35 | 380 | 480 | M16 | 100 | 4 | 22 | 440 | 530 | 682 | 586 | 514 | 400 |
| X95 | 290 | 100 | 28 | 106 | 141 | 30 | 8 | 33 | 55 | 186 | 40 | 480 | 560 | M20 | 120 | 4 | 26 | 560 | 620 | 762 | 667 | 614 | 500 |
| X96 | 290 | 100 | 28 | 106 | 141 | 35 | 10 | 38 | 62 | 186 | 40 | 480 | 560 | M20 | 120 | 4 | 26 | 560 | 620 | 802 | 695 | 614 | 500 |
| X106 | 325 | 110 | 28 | 116 | 150 | 35 | 10 | 38 | 62 | 230 | 45 | 250×2 | 630 | M24 | 105 | 6 | 30 | 600 | 690 | 832 | 725 | 706 | 575 |
| X117 | 420 | 130 | 32 | 137 | 202 | 40 | 12 | 43 | 65 | 325 | 50 | 330×2 | 800 | M30 | 140 | 6 | 32 | 810 | 880 | 1071 | 962 | 880 | 700 |
| X118 | 420 | 130 | 32 | 137 | 202 | 45 | 14 | 48.5 | 70 | 325 | 50 | 330×2 | 800 | M30 | 140 | 6 | 32 | 810 | 880 | 1095 | 970 | 880 | 700 |
| X128 | 540 | 180 | 45 | 190 | 327 | 45 | 14 | 48.5 | 70 | 481 | 58 | 420×2 | 1050 | M42 | 200 | 6 | 45 | 1040 | 1160 | 1440 | 1320 | 1160 | 950 |

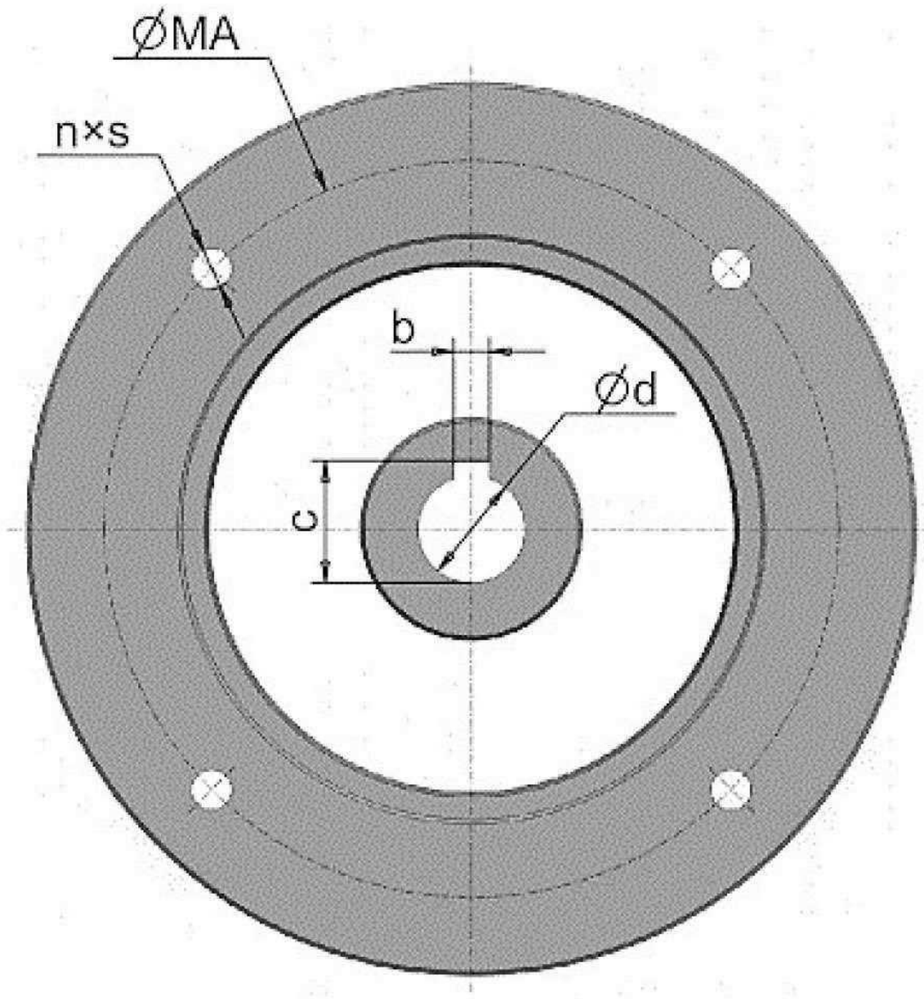
## 3.4 BLE、BLED、XLE、XLED 型（双级）外形安装尺寸

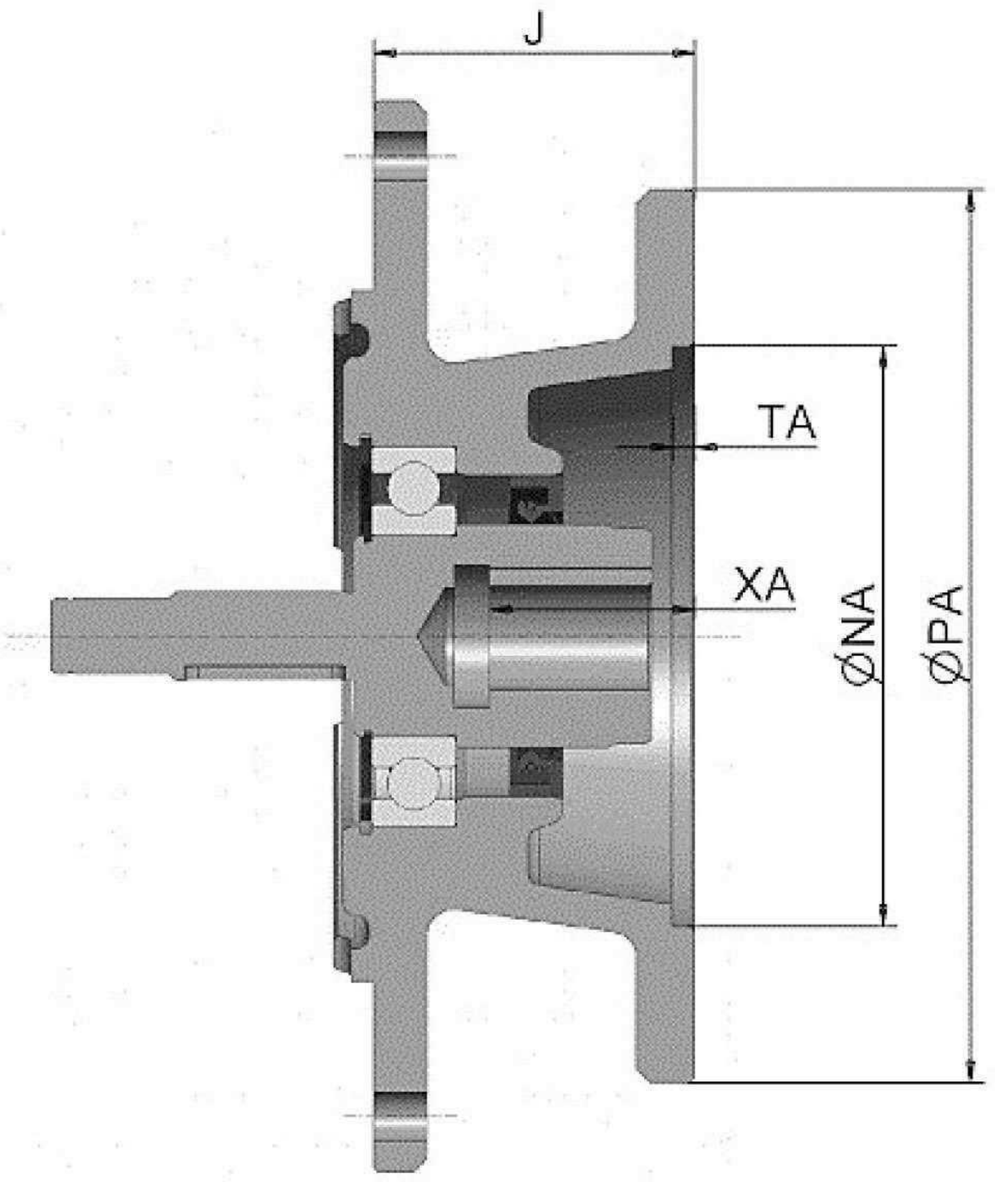



BX

| 机型号 | 轴端尺寸 | | | | | | | | 安装尺寸 | | | | | | | | 外形尺寸 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 输出轴 | | | | 输入轴 | | | | | | | | | | | | H | | |
| | d1 (h6) | b1 | C | L | d2 (h6) | b2 | c | y | E | F | ΦG | N | P (h9) | Q | R | S | BLE | BLED | M |
| BLE.BLED10-95 | | | | | | | | | | | | | | | | | | | |
| B10 | 35 | 10 | 38 | 47 | 15 | 5 | 17 | 22 | 61 | 15 | 11 | 6 | 170 | 200 | 4 | M10 | 317 | 267 | 230 |
| B20 | 45 | 14 | 48.5 | 61 | 15 | 5 | 17 | 22 | 70 | 16 | 11 | 6 | 200 | 230 | 4 | M10 | 368 | 318 | 260 |
| B31 | 55 | 16 | 59 | 74 | 18 | 6 | 20.5 | 35 | 79 | 20 | 13 | 6 | 270 | 310 | 4 | M12 | 446 | 376 | 340 |
| B41 | 70 | 20 | 74.5 | 92 | 18 | 6 | 20.5 | 35 | 100 | 22 | 15 | 8 | 320 | 360 | 5 | M12 | 521 | 454 | 400 |
| B42 | 70 | 20 | 74.5 | 92 | 22 | 6 | 24.5 | 40 | 100 | 22 | 15 | 8 | 320 | 360 | 5 | M12 | 554 | 479 | 400 |
| B52 | 90 | 25 | 95 | 110 | 22 | 6 | 24.5 | 40 | 118 | 30 | 18 | 12 | 400 | 450 | 5 | M16 | 623 | 548 | 490 |
| B53 | 90 | 25 | 95 | 110 | 30 | 8 | 33 | 55 | 118 | 30 | 18 | 12 | 400 | 450 | 5 | M16 | 657 | 561 | 490 |
| B63 | 100 | 28 | 106 | 130 | 30 | 8 | 33 | 55 | 138 | 35 | 22 | 12 | 460 | 520 | 8 | M20 | 741 | 645 | 580 |
| B64 | 100 | 28 | 106 | 130 | 35 | 10 | 38 | 62 | 138 | 35 | 22 | 12 | 460 | 520 | 8 | M20 | 780 | 671 | 580 |
| B74 | 110 | 28 | 116 | 142 | 35 | 10 | 38 | 62 | 182 | 40 | 22 | 12 | 520 | 590 | 10 | M24 | 832 | 725 | 650 |
| B84 | 130 | 32 | 137 | 202 | 35 | 10 | 38 | 62 | 211 | 50 | 38 | 12 | 680 | 800 | 10 | M30 | 1071 | 962 | 880 |
| B85 | 130 | 32 | 137 | 202 | 45 | 14 | 48.5 | 70 | 211 | 50 | 38 | 12 | 680 | 800 | 10 | M30 | 1095 | 970 | 880 |
| B95 | 180 | 45 | 190 | 320 | 45 | 14 | 48.5 | 70 | 370 | 60 | 39 | 8 | 900 | 1020 | 10 | M42 | 1440 | 1320 | 1160 |
| XLE.XLED32-128 | | | | | | | | | | | | | | | | | | | |
| X32 | 35 | 10 | 38 | 47 | 15 | 5 | 17 | 22 | 51 | 15 | 12 | 6 | 170 | 200 | 4 | M10 | 314 | 264 | 230 |
| X42 | 45 | 14 | 48.5 | 63 | 15 | 5 | 17 | 22 | 79 | 15 | 12 | 6 | 200 | 230 | 4 | M10 | 370 | 320 | 260 |
| X53 | 55 | 16 | 59 | 85 | 18 | 6 | 20.5 | 35 | 90 | 20 | 13 | 6 | 270 | 310 | 4 | M12 | 457 | 389 | 340 |
| X63 | 65 | 18 | 69 | 80 | 18 | 6 | 20.5 | 35 | 90 | 22 | 16 | 8 | 316 | 360 | 5 | M12 | 510 | 441 | 400 |
| X64 | 65 | 18 | 69 | 80 | 22 | 6 | 24.5 | 40 | 90 | 22 | 16 | 8 | 316 | 360 | 5 | M12 | 541 | 466 | 400 |
| X74 | 80 | 22 | 85 | 97 | 22 | 6 | 24.5 | 40 | 114 | 22 | 18 | 8 | 345 | 390 | 5 | M12 | 561 | 486 | 430 |
| X84 | 90 | 25 | 95 | 110 | 22 | 6 | 24.5 | 40 | 118 | 30 | 18 | 12 | 400 | 450 | 5 | M16 | 623 | 548 | 490 |
| X85 | 90 | 25 | 95 | 110 | 30 | 8 | 33 | 55 | 118 | 30 | 18 | 12 | 400 | 450 | 5 | M16 | 658 | 588 | 490 |
| X95 | 100 | 28 | 106 | 134 | 30 | 8 | 33 | 55 | 170 | 35 | 22 | 12 | 455 | 520 | 8 | M20 | 762 | 667 | 580 |
| X96 | 100 | 28 | 106 | 134 | 35 | 10 | 38 | 62 | 170 | 35 | 22 | 12 | 455 | 520 | 8 | M20 | 803 | 694 | 580 |
| X106 | 110 | 28 | 116 | 142 | 35 | 10 | 38 | 62 | 182 | 40 | 22 | 12 | 520 | 590 | 10 | M24 | 832 | 725 | 650 |
| X117 | 130 | 32 | 137 | 202 | 40 | 12 | 43 | 65 | 211 | 50 | 38 | 12 | 680 | 800 | 10 | M30 | 1108 | 983 | 880 |
| X118 | 130 | 32 | 137 | 202 | 45 | 14 | 48.5 | 70 | 211 | 50 | 38 | 12 | 680 | 800 | 10 | M30 | 1095 | 970 | 880 |
| X128 | 180 | 45 | 190 | 320 | 45 | 14 | 48.5 | 70 | 370 | 60 | 39 | 8 | 900 | 1020 | 10 | M42 | 1440 | 1320 | 1160 |

## 3.5 电机接盘型联接法兰尺寸图表

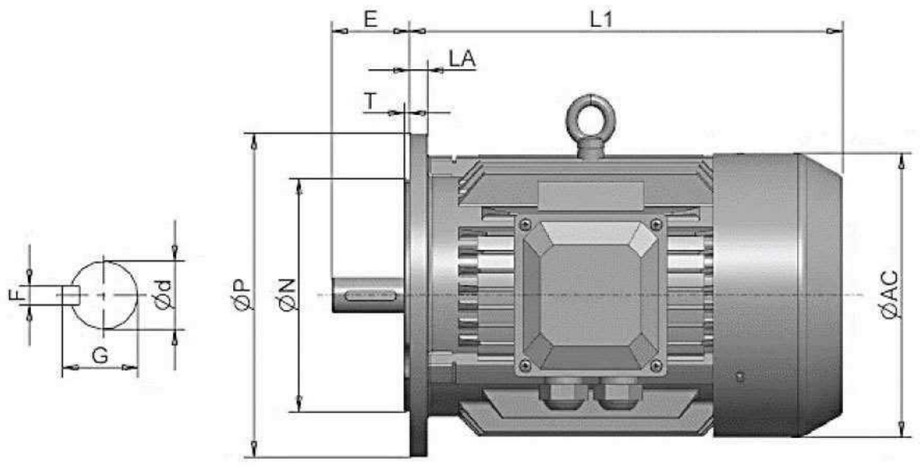


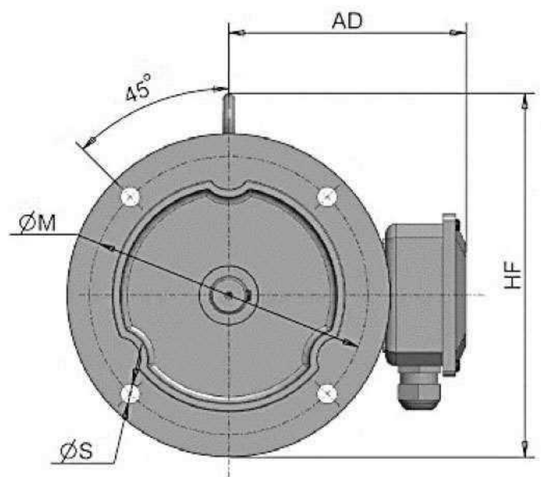




| 机型号 | 配置电机 | | | 尺寸 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kW | 机座号 | 极数 | NA | MA | PA | J | TA | n×S | XA | d | b | c |
| B09/X1 | 0.18 | 63 | 4P | 95 | 115 | 140 | 57.5 | 4 | 4×M8 | 23 | 11 | 4 | 12.8 |
| | 0.25、0.37 | 71 | | 110 | 130 | 160 | 74.5 | 4 | 4×M8 | 30 | 14 | 5 | 16.3 |
| | 0.55 | 80 | | 130 | 165 | 200 | 74.5 | 4 | 4×M10 | 40 | 19 | 6 | 21.8 |
| B0/X2<br>B10/X32<br>B20/X42 | 0.18 | 63 | | 95 | 115 | 140 | 54.5 | 4 | 4×M8 | 23 | 11 | 4 | 12.8 |
| | 0.25、0.37 | 71 | | 110 | 130 | 160 | 74.5 | 4 | 4×M8 | 30 | 14 | 5 | 16.3 |
| | 0.55、0.75 | 80 | | 130 | 165 | 200 | 74.5 | 4 | 4×M10 | 40 | 19 | 6 | 21.8 |
| | 1.1 | 90S | | 130 | 165 | 200 | 83.5 | 4 | 4×M10 | 50 | 24 | 8 | 27.3 |
| B1/X3<br>B31/X53<br>B41/63 | 0.25、0.37 | 71 | | 110 | 130 | 160 | 83.5 | 4 | 4×M8 | 30 | 14 | 5 | 16.3 |
| | 0.55、0.75 | 80 | | 130 | 165 | 200 | 83.5 | 4 | 4×M10 | 40 | 19 | 6 | 21.8 |
| | 1.1、1.5 | 90 | | 130 | 165 | 200 | 83.5 | 4 | 4×M10 | 50 | 24 | 8 | 27.3 |
| | 2.2 | 100L | | 180 | 215 | 250 | 90.5 | 4.5 | 4×M12 | 60 | 28 | 8 | 31.3 |
| B2/X4<br>B42/X64<br>B52/X84 | 0.55、0.75 | 80 | | 130 | 165 | 200 | 93.5 | 5 | 4×M10 | 40 | 19 | 6 | 21.8 |
| | 1.1、1.5 | 90 | | 130 | 165 | 200 | 93.5 | 5 | 4×M10 | 50 | 24 | 8 | 27.3 |
| | 2.2、3 | 100L | | 180 | 215 | 250 | 93.5 | 5 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 4 | 112M | | 180 | 215 | 250 | 93.5 | 5 | 4×M12 | 60 | 28 | 8 | 31.3 |

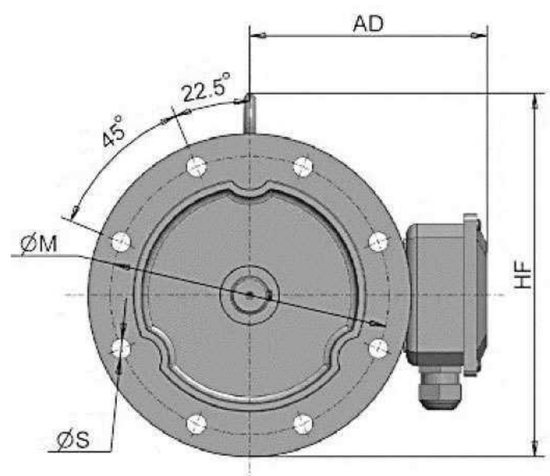
| 机型号 | 配置电机 | | | 尺寸 | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | kW | 机座号 | 极数 | NA | MA | PA | J | TA | n×S | XA | d | b | c |
| B3/X5<br>B53/X85<br>B63/X95 | 0.55、0.75 | 80 | 4P | 130 | 165 | 200 | 118 | 5 | 4×M10 | 40 | 19 | 6 | 21.8 |
| | 1.1、1.5 | 90 | | 130 | 165 | 200 | 118 | 5 | 4×M10 | 50 | 24 | 8 | 27.3 |
| | 2.2、3 | 100L | | 180 | 215 | 250 | 118 | 5 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 4 | 112M | | 180 | 215 | 250 | 118 | 5 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 5.5、7.5 | 132 | | 230 | 265 | 300 | 118 | 5 | 4×M12 | 80 | 38 | 10 | 41.3 |
| | 11 | 160M | | 250 | 300 | 350 | 151 | 5 | 4×M16 | 110 | 42 | 12 | 45.3 |
| B4/X6/X7<br>B74/X106<br>B84/X117 | 2.2、3 | 100L | | 180 | 215 | 250 | 125 | 5 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 4 | 112M | | 180 | 215 | 250 | 125 | 5 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 5.5、7.5 | 132 | | 230 | 265 | 300 | 125 | 5 | 4×M12 | 80 | 38 | 10 | 41.3 |
| | 11 | 160M | | 250 | 300 | 350 | 151 | 5 | 4×M16 | 110 | 42 | 12 | 45.3 |
| B5/X8<br>B85/X118<br>B95/X128 | 2.2、3 | 100L | | 180 | 215 | 250 | 142 | 6 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 4 | 112M | | 180 | 215 | 250 | 142 | 6 | 4×M12 | 60 | 28 | 8 | 31.3 |
| | 5.5、7.5 | 132 | | 230 | 265 | 300 | 142 | 5 | 4×M12 | 80 | 38 | 10 | 41.3 |
| | 11、15 | 160 | | 250 | 300 | 350 | 142 | 6 | 4×M16 | 110 | 42 | 12 | 45.3 |
| | 18.5 | 180M | | 250 | 300 | 350 | 142 | 6 | 4×M16 | 110 | 48 | 14 | 51.8 |
| B6/X9 | 5.5 | 132M | 6P | 230 | 265 | 300 | 144 | 6 | 4×M12 | 80 | 38 | 10 | 41.3 |
| | 7.5、11 | 160 | | 250 | 300 | 350 | 144 | 6 | 4×M16 | 110 | 42 | 12 | 45.3 |
| | 15 | 180L | | 250 | 300 | 350 | 144 | 6 | 4×M16 | 110 | 48 | 14 | 51.8 |
| | 18.5、22 | 200L | | 300 | 350 | 400 | 144 | 6 | 4×M16 | 110 | 55 | 16 | 59.3 |
| B7/X10 | 7.5、11 | 160 | | 250 | 300 | 350 | 129 | 6 | 4×M16 | 110 | 42 | 12 | 45.3 |
| | 15 | 180L | | 250 | 300 | 350 | 129 | 6 | 4×M16 | 110 | 48 | 14 | 51.8 |
| | 18.5、22 | 200L | | 300 | 350 | 400 | 129 | 6 | 4×M16 | 110 | 55 | 16 | 59.3 |
| | 30 | 225M | | 350 | 400 | 450 | 161 | 7 | 8×M16 | 140 | 60 | 18 | 64.4 |
| | 37 | 250M | | 450 | 500 | 550 | 161 | 7 | 8×M16 | 140 | 65 | 18 | 69.4 |
| B8/X11 | 18.5、22 | 200L | | 300 | 350 | 400 | 204 | 7 | 4×M16 | 110 | 55 | 16 | 59.3 |
| | 30 | 225M | | 350 | 400 | 450 | 234 | 7 | 8×M16 | 140 | 60 | 18 | 64.4 |
| | 37 | 250M | | 450 | 500 | 550 | 234 | 7 | 8×M16 | 140 | 65 | 18 | 69.4 |
| | 45、55 | 280 | | 450 | 500 | 550 | 234 | 7 | 8×M16 | 140 | 75 | 20 | 79.9 |
| B9/X12 | 30 | 225M | | 350 | 400 | 450 | 236 | 7 | 8×M16 | 140 | 60 | 18 | 64.4 |
| | 37 | 250M | | 450 | 500 | 550 | 236 | 7 | 8×M16 | 140 | 65 | 18 | 69.4 |
| | 45、55 | 280 | | 450 | 500 | 550 | 236 | 7 | 8×M16 | 140 | 75 | 20 | 79.9 |
| | 75 | 315S | | 550 | 600 | 660 | 236 | 7 | 8×M20 | 170 | 80 | 22 | 85.4 |

## 3.6 三相异步电机-B5 外形及安装尺寸




机座号 63-200




机座号 225-315

BX

| 机座号 | 额定功率 4P（kW） | 额定功率 6P（kW） | d 4-10P | E 4-10P | F 4-10P | G 4-10P | M | N | P | S | T | AC | AD | LA | HF | L1 4-10P |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 63M | 0.18 | | 11 | 23 | 4 | 12.5 | 115 | 95 | 140 | 10 | 3 | 130 | 70 | 10 | 130 | 207 |
| 71M1 | 0.25 | 0.18 | 14 | 30 | 5 | 16 | 130 | 110 | 160 | | 3.5 | 145 | 80 | 10 | 145 | 225 |
| 71M2 | 0.37 | 0.25 | | | | | | | | | | | | | | |
| 80M1 | 0.55 | 0.37 | 19 | 40 | 6 | 21.5 | 165 | 130 | 200 | 12 | | 175 | 145 | 12 | 185 | 255 |
| 80M2 | 0.75 | 0.55 | | | | | | | | | | | | | | |
| 90S | 1.1 | 0.75 | 24 | 50 | 8 | 27 | | | | | | 195 | 155 | 12 | 195 | 270 |
| 90L | 1.5 | 1.1 | | | | | | | | | | | | 12 | | 295 |
| 100L1 | 2.2 | 1.5 | 28 | 60 | | 31 | 215 | 180 | 250 | | 4 | 215 | 180 | 14 | 245 | 325 |
| 100L2 | 3 | | | | | | | | | | | | | | | |
| 112M | 4 | 2.2 | | | | | | | | 15 | | 240 | 190 | 14 | 265 | 340 |
| 132S | 5.5 | 3 | 38 | 80 | 10 | 41 | 265 | 230 | 300 | | | 275 | 210 | 14 | 315 | 390 |
| 132M1 | 7.5 | 4 | | | | | | | | | | | | 14 | | 430 |
| 132M2 | | 5.5 | | | | | | | | | | | | | | |
| 160M | 11 | 7.5 | 42 | 110 | 12 | 45 | 300 | 250 | 350 | 19 | 5 | 330 | 255 | 16 | 385 | 505 |
| 160L | 15 | 11 | | | | | | | | | | | | 16 | | 560 |
| 180M | 18.5 | | 48 | | 14 | 51.5 | | | | | | 380 | 280 | 18 | 430 | 590 |
| 180L | 22 | 15 | | | | | | | | | | | | 18 | | 630 |
| 200L1 | 30 | 18.5 | 55 | | 16 | 59 | 350 | 300 | 400 | | | 420 | 305 | 18 | 480 | 660 |
| 200L2 | | 22 | | | | | | | | | | | | | | |
| 225S | 37 | | 60 | 140 | 18 | 64 | 400 | 350 | 450 | | | 470 | 335 | 20 | 535 | 675 |
| 225M | 45 | 30 | 60 | 140 | | 64 | | | | | | | | 20 | | 705 |
| 250M | 55 | 37 | 65 | 140 | | 69 | 500 | 450 | 550 | | | 510 | 370 | 22 | 595 | 770 |
| 280S | 75 | 45 | 75 | | 20 | 79.5 | | | | | | 580 | 410 | 22 | 650 | 845 |
| 280M | 90 | 55 | | | | | | | | | | | | 22 | | 895 |
| 315S | 110 | 75 | 80 | 170 | 22 | 85 | 600 | 550 | 660 | 24 | 6 | 645 | 530 | 25 | 845 | 1100 |

## 3.7 减速机及电机重量

1）一级电机直联型减速机重量（单位：kg）

| 规格 | BW09 | BW0 | BW1 | BW2 | BW3 | BW4 | BW5 | XW1 | XW2 | XW3 |
|---|---|---|---|---|---|---|---|---|---|---|
| 重量 | 8 | 9 | 18 | 31 | 54 | 93 | 145 | 9 | 9 | 18 |
| 规格 | XW4 | XW5 | XW6 | XW7 | XW8 | BL09 | BL0 | BL1 | BL2 | BL3 |
| 规格 | 32 | 55 | 93 | 103 | 160 | 8 | 8 | 18 | 29 | 54 |
| 重量 | BL4 | BL5 | XL1 | XL2 | XL3 | XL4 | XL5 | XL6 | XL7 | XL8 |
| 规格 | 90 | 146 | 8 | 8 | 18 | 29 | 54 | 93 | 98 | 146 |

2）一级电机接盘型/双轴型减速机重量（单位：kg）

| 规格 | BW09 | BW0 | BW1 | BW2 | BW3 | BW4 | BW5 | BW6 | BW7 | BW8 | BW9 | XW1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 重量 | 12 | 15 | 25 | 42 | 71 | 119 | 181 | 347 | 500 | 1047 | 2347 | 13 |
| 规格 | XW2 | XW3 | XW4 | XW5 | XW6 | XW7 | XW8 | XW9 | XW10 | XW11 | XW12 | BL09 |
| 重量 | 15 | 25 | 42 | 72 | 119 | 129 | 197 | 348 | 500 | 1047 | 2347 | 12 |
| 规格 | BL0 | BL1 | BL2 | BL3 | BL4 | BL5 | BL6 | BL7 | BL8 | BL9 | XL1 | XL2 |
| 重量 | 14 | 25 | 40 | 71 | 116 | 183 | 344 | 512 | 1010 | 2416 | 12 | 14 |
| 规格 | XL3 | XL4 | XL5 | XL6 | XL7 | XL8 | XL9 | XL10 | XL11 | XL12 | | |
| 重量 | 25 | 40 | 71 | 119 | 123 | 183 | 353 | 512 | 1010 | 2416 | | |

3）二级电机直联型减速机重量（单位：kg）

| 规格 | BWE10 | BWE20 | BWE31 | BWD41 | BWE42 | BWE52 | BWE53 | BWE63 | BWE64 | BWE74 | BWE84 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 重量 | 28 | 42 | 74 | 117 | 127 | 186 | 196 | 357 | 378 | 534 | 1024 |
| 规格 | BWE85 | BWE95 | XWE32 | XWE42 | XWE53 | XWE63 | XWE64 | XWE74 | XWE84 | XWE85 | XWE95 |
| 重量 | 1054 | 2243 | 28 | 43 | 75 | 117 | 127 | 137 | 201 | 211 | 358 |
| 规格 | XWE96 | XWE106 | XWE117 | XWE118 | XWE128 | BLE10 | BLE20 | BLE31 | BLE41 | BLE42 | BLE52 |
| 重量 | 378 | 534 | 1024 | 1054 | 2243 | 28 | 42 | 73 | 114 | 124 | 188 |
| 规格 | BLE53 | BLE63 | BLE64 | BLE74 | BLE84 | BLE85 | BLE95 | XLE32 | XLE42 | XLE53 | XLE63 |
| 重量 | 198 | 354 | 373 | 544 | 987 | 1017 | 2174 | 28 | 42 | 73 | 117 |
| 规格 | XLE64 | XLE74 | XLE84 | XLE85 | XLE95 | XLE96 | XLE106 | XLE117 | XLE118 | XLE128 | |
| 重量 | 127 | 131 | 188 | 198 | 363 | 383 | 544 | 987 | 1017 | 2174 | |

4）二级电机接盘型/双轴型减速机重量（单位：kg）

| 规格 | BWE10 | BWE20 | BWE31 | BWD41 | BWE42 | BWE52 | BWE53 | BWE63 | BWE64 | BWE74 | BWE84 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 重量 | 34 | 49 | 81 | 124 | 138 | 197 | 213 | 374 | 421 | 557 | 1050 |
| 规格 | BWE85 | BWE95 | XWE32 | XWE42 | XWE53 | XWE63 | XWE64 | XWE74 | XWE84 | XWE85 | XWE95 |
| 重量 | 1090 | 2210 | 34 | 50 | 82 | 124 | 138 | 148 | 212 | 228 | 380 |
| 规格 | XWE96 | XWE106 | XWE117 | XWE118 | XWE128 | BLE10 | BLE20 | BLE31 | BLE41 | BLE42 | BLE52 |
| 重量 | 422 | 557 | 1050 | 1090 | 2210 | 34 | 47 | 81 | 121 | 135 | 199 |
| 规格 | BLE53 | BLE63 | BLE64 | BLE74 | BLE84 | BLE85 | BLE95 | XLE32 | XLE42 | XLE53 | XLE63 |
| 重量 | 215 | 371 | 417 | 569 | 1013 | 1053 | 2279 | 34 | 48 | 81 | 124 |
| 规格 | XLE64 | XLE74 | XLE84 | XLE85 | XLE95 | XLE96 | XLE106 | XLE117 | XLE118 | XLE128 | |
| 重量 | 138 | 142 | 199 | 215 | 375 | 427 | 569 | 1013 | 1053 | 2279 | |

注：上述减速机重量为平均值，不包含电机重量，仅供参考。

5）三相异步电动机-B5 重量（单位：kg）

| 电机型号 | 63M1-4 | 71M1-4 | 71M2-4 | 80M1-4 | 80M2-4 | 90S-4 | 90L-4 | 100L1-4 | 100L2-4 | 112M-4 | 132S-4 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 额定功率（kW） | 0.18 | 0.25 | 0.37 | 0.55 | 0.75 | 1.1 | 1.5 | 2.2 | 3 | 4 | 5.5 |
| 重量(kg) | 8 | 10 | 10.5 | 14 | 14.7 | 21 | 27.5 | 31 | 35 | 41 | 65 |
| 电机型号 | 132M-4 | 160M-4 | 160L-4 | 180M-4 | 180L-4 | 200L-4 | 225S-4 | 225M-4 | 250M-4 | 280S-4 | |
| 额定功率（kW） | 7.5 | 11 | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | 75 | |
| 重量(kg) | 71.5 | 110 | 132 | 164 | 190 | 245 | 285 | 325 | 400 | 553 | |
| 电机型号 | 180L-6 | 200L1-6 | 200L2-6 | 225M-6 | 250M-6 | 280S-6 | 280M-6 | 315S-6 | 315M-6 | 315L1-6 | |
| 额定功率（kW） | 15 | 18.5 | 22 | 30 | 37 | 45 | 55 | 75 | 90 | 110 | |
| 重量(kg) | 180 | 222 | 235 | 290 | 375 | 492 | 550 | 930 | 1030 | 1150 | |

注：不同厂家电机重量略有不同，上述电机重量仅供参考。

# 4 使用及润滑须知

## 4.1 使用须知

1. 减速机适用于 24 小时连续工作制，并允许正反向运转。

2. 一级传动减速机的输出轴转向与输入轴转向相反，二级传动减速机的输出轴转向与输入轴转向相同。

3. 减速机无自锁功能。如用于升降装置等危险场合时，应选用制动电机或在输入端加配制动装置。

4. 减速机的输出轴不能承受轴向力。

5. 在可能出现过载现象的使用场合，应安装过载保护装置。

6. 地脚式减速机要安装在没有振动、十分坚固的水平基础上。在必须倾斜安装的使用场合，减速机轴心线的倾斜度不得大于±15°。

BX

7. 当减速机在工作条件恶劣、启停频繁和高温或低温场合工作时，请与我公司技术部联系。

8. 减速机的输入轴和输出轴的轴伸形式为圆柱形，采用普通平键联接。普通平键尺寸按 GB1096《普通型 平键》的规定。

9. 减速机与相配套机械用联轴器联接时，两者轴心线同轴度不得超过联轴器所允许的范围。

10. 当减速器与齿轮、链轮相联接时，必须保证两者轴心线的平行度。

11. 当使用链轮来进行传动时，不要把齿链放的过松，否则在启动时会产生冲击力，壳体材料建议改为球墨铸铁，以加强壳体强度。

12. 在把联轴器、齿轮、链轮等联接件联接减速机的输出轴时，不得采用直接锤击的方法，应利用轴伸端螺孔旋入螺栓，通过压板压入。

13. 安装后的减速机，正式使用前必须进行试运转。在空载运转正常的情况下，再逐渐加载运转。

## 4.2 润滑须知

1. 润滑方式

一级传动润滑方式

| 安装形式 \ 机型号 | B09 | B0 | B1 | B2 | B3 | B4 | B5 | B6 | B7 | B8 | B9 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 脚板式 M1 安装 | 脂润滑 | | | 油浴润滑 | | 循环润滑 | | | | | |
| 法兰式 M4 安装 | | | | | | | | | | | |

二级传动润滑方式

| 安装形式 \ 机型号 | B10 | B20 | B31 | B41 | B42 | B52 | B53 | B63 | B74 | B84 | B85 | B95 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 脚板式 M1 安装 | 脂润滑 | | | 油浴润滑 | | | | | | | | |
| 法兰式 M4 安装 | | | | 循环润滑 | | | | | | | | |

注：a. X 系列减速机润滑方式参照对应 B 系列机型；

b. 其他安装型式时请与我公司技术部联系。

2. 凡上表中所列脂润滑机型，出厂前均已注好，可直接使用。以后 1-2 个月补充一次。推荐使用 2＃锂基脂或 00＃减速机脂。适合在-5℃～55℃环境温度下使用。其他特殊环境请与我公司技术部联系。

3. 采用油润滑机型，出厂前油已放净，在使用前请按油标要求加足油。推荐用润滑油见下表。

| 环境温度 | 国产<br>（中负荷极压齿轮油） | Esso 牌 | Mobil 美孚牌 | Shell 壳牌 |
|---|---|---|---|---|
| -10℃～5℃ | L-CKC68 | Spartan<br>EP 68 | 美孚齿轮油 626<br>(IOS VG68) | Omala 可耐压<br>68 |
| 0℃～35℃ | L-CKC100<br>L-CKC150 | Spartan<br>EP 100<br>EP 150 | 美孚齿轮油<br>627　629<br>(IOS VG100,150) | Omala 可耐压<br>100　150 |
| 30℃～50℃ | L-CKC220<br>L-CKC320 | Spartan<br>EP 220<br>EP 320 | 美孚齿轮油<br>630　632<br>633　634<br>(IOS VG200,320) | Omala 可耐压<br>220　320 |

4. 加注润滑油时，油位高度不应超过油标上限，也不应低于油标下限。在运转过程中，应经常观察油位高度，及时补充相同牌号的润滑油。

5. 其他使用维护要求，请详见产品使用说明书，编号 NO.002M。

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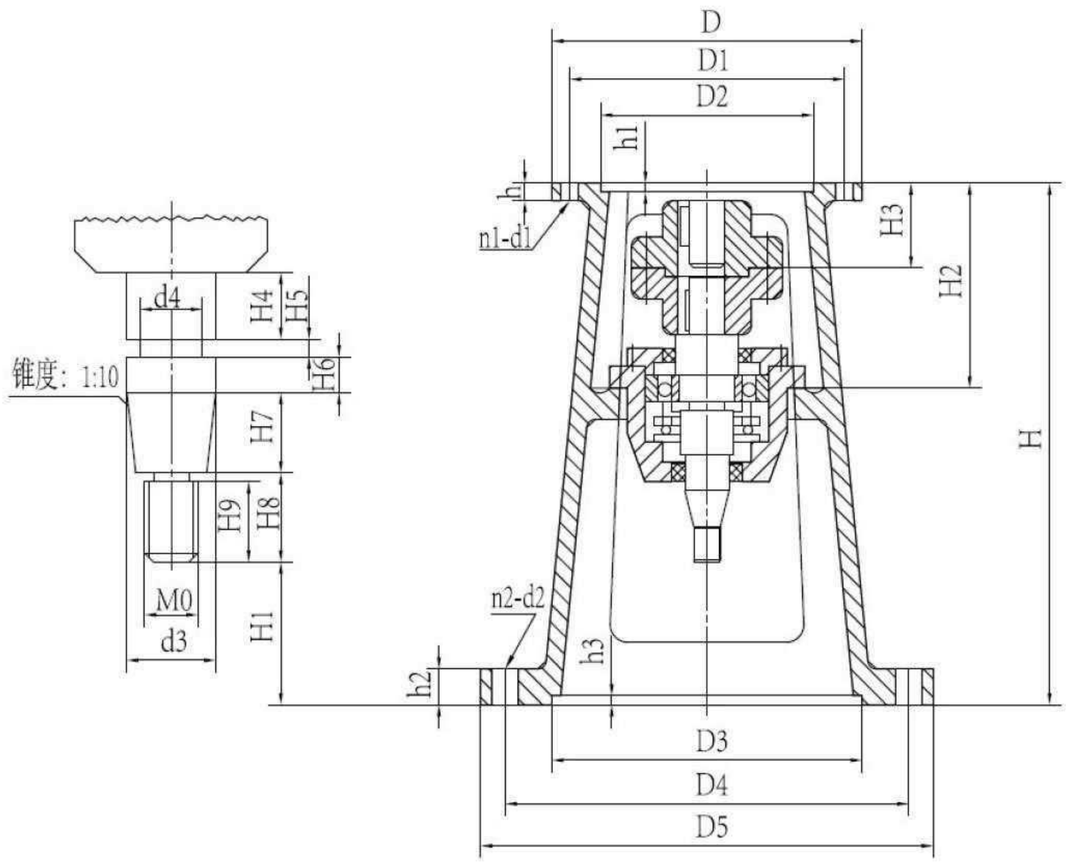
# 减速机电机配套机架

概述：机架可分为无支点机架、单支点机架、双支点机架三大类，根据实际使用工况、工程造价预算选择合适合理合规的机架。机架最初设计时上部安装尺寸参考了摆线针轮减速机的尺寸，后期斜齿轮减速机上市后，机架上部安装尺寸也可根据齿轮减速机尺寸加工，而样本上还是按最初的摆线尺寸，如需选用斜齿轮减速机配套的机架请咨询我公司。

## 1　化工反应罐机架

### 1.1　JBT 型（79 标）搪玻璃反应罐机架




JBT 型（79 标）机架主要参数及尺寸

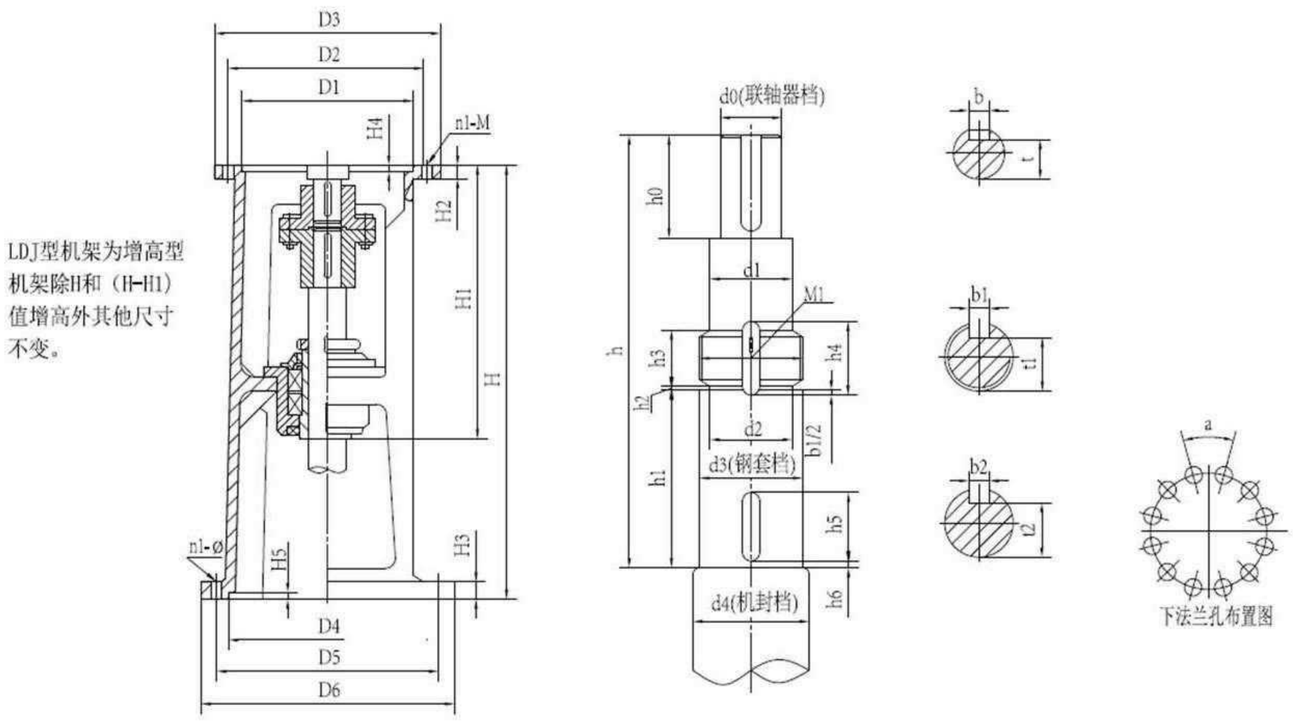
| 机架型号 | 输入端接口 | | | | | | 输出端接口 | | | | | | H | H1 | H2 | H3 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | D1 | D2 | h | h1 | n1-d1 | D3 | D4 | D5 | h2 | h3 | n2-d2 | | | | |
| JBT1-B1(X3) | 230 | 200 | 170 | 20 | 6 | 6-12 | 220 | 270 | 305 | 22 | 7 | 4-24 | 514 | 157 | 185 | 75 |
| JBT2-B1(X3) | 230 | 200 | 170 | 20 | 6 | 6-12 | 250 | 300 | 335 | 22 | 7 | 4-24 | 517 | 150 | 190 | 80 |
| JBT2-B2(X4) | 260 | 230 | 200 | 20 | 7 | 6-13 | 250 | 300 | 335 | 25 | 7 | 4-24 | 530 | 134 | 210 | 94 |
| JBT3-B2(X4) | 260 | 230 | 200 | 20 | 7 | 6-13 | 295 | 350 | 392 | 26 | 7 | 4-26 | 560 | 164 | 210 | 94 |
| JBT3-B3(X5) | 340 | 310 | 270 | 20 | 7 | 6-13 | 295 | 350 | 392 | 26 | 7 | 4-26 | 560 | 164 | 210 | 100 |
| JBT4-B3(X5) | 340 | 310 | 270 | 20 | 7 | 6-13 | 345 | 400 | 442 | 26 | 7 | 4-26 | 635 | 203 | 210 | 100 |
| JBT5-B3(X5) | 340 | 310 | 270 | 22 | 7 | 6-13 | 390 | 450 | 498 | 26 | 7 | 4-30 | 640 | 193 | 210 | 100 |
| JBT5-B4(X6) | 400 | 360 | 320(316) | 22 | 7 | 8-16 | 390 | 450 | 498 | 26 | 7 | 4-30 | 680 | 193 | 250 | 120 |
| JBT6-B4(X6) | 400 | 360 | 320(316) | 22 | 7 | 8-16 | 435 | 500 | 548 | 30 | 7 | 8-30 | 736 | 215 | 250 | 120 |
| JBT6-X7 | 430 | 390 | 345 | 22 | 7 | 8-18 | 435 | 500 | 548 | 30 | 7 | 8-30 | 736 | 215 | 250 | 120 |
| JBT6-B5(X8) | 490 | 450 | 400 | 22 | 7 | 12-18 | 435 | 500 | 548 | 30 | 7 | 8-30 | 736 | 215 | 270 | 145 |
| JBT7-B5(X8) | 490 | 450 | 460(455) | 26 | 10 | 12-18 | 440 | 550 | 600 | 30 | 10 | 12-22 | 805 | 180 | 296 | 145 |
| JBT8-B6(X9) | 580 | 520 | 460(455) | 30 | 10 | 12-22 | 500 | 550 | 600 | 32 | 10 | 12-22 | 820 | 150 | 362 | 177 |
| JBT9-B7(X10) | 650 | 590 | 520 | 30 | 12 | 12-22 | 560 | 650 | 700 | 35 | 10 | 12-27 | 1100 | 326 | 455 | 204 |

| 机架型号 | H4 | H5 | H6 | H7 | H8 | H9 | d3 | d4 | MO | 反应罐容积(升) |
|---|---|---|---|---|---|---|---|---|---|---|
| JBT1-B1(X3) | 45 | 4 | 6 | 33 | 34 | 28 | 30 | 24 | M24×3 | 50-100 |
| JBT2-B1(X3) | 40 | 5 | 6 | 44 | 32 | 25 | 39 | 33 | M33×3.5 | 200 |
| JBT2-B2(X4) | 45 | 5 | 6 | 47 | 34 | 27 | 39 | 32 | M33×3.5 | 200 |
| JBT3-B2(X4) | 45 | 5 | 6 | 47 | 34 | 27 | 39 | 32 | M33×3.5 | 300-500 |
| JBT3-B3(X5) | 42 | 5 | 6 | 47 | 34 | 27 | 39 | 32 | M33×3.5 | 300-500 |
| JBT4-B3(X5) | 50 | 5 | 8 | 53 | 44 | 35 | 50 | 41.5 | M42×4.5 | 1000-2000 |
| JBT5-B3(X5) | 55 | 5 | 8 | 58 | 49 | 39 | 60 | 51.5 | M52×5 | 3000 |
| JBT5-B4(X6) | 55 | 5 | 8 | 58 | 49 | 39 | 60 | 51.5 | M52×5 | 3000 |
| JBT6-B4(X6) | 75 | 9 | 8 | 65 | 52 | 42 | 70 | 61.5 | M64×6 | 5000 |
| JBT6-X7 | 75 | 9 | 8 | 65 | 52 | 42 | 70 | 61.5 | M64×6 | 5000 |
| JBT6-B5(X8) | 75 | 9 | 8 | 65 | 52 | 42 | 70 | 61.5 | M64×6 | 5000 |
| JBT7-B5(X8) | 74 | 8 | 10 | 89 | 52 | 44 | 90 | 79 | M80×6 | |
| JBT8-B6(X9) | 48 | 9 | 10 | 90 | 60 | 52 | 100 | 89 | M90×6 | |
| JBT9-B7(X10) | 50 | 10 | 10 | 100 | 50 | 46 | 110 | 99 | M98×6 | |



注：JBT6 螺纹 M0 可做 M52×5,JBT7、JBT8、JBT9 螺纹 M0 可做 M80×2、M90×2、M98×2,订货时请另注明。

## 1.2 DJ、LDJ 型机架




LDJ型机架为增高型机架除H和（H-H1）值增高外其他尺寸不变。

### DJ、LDJ 型单支点机架主要参数及尺寸

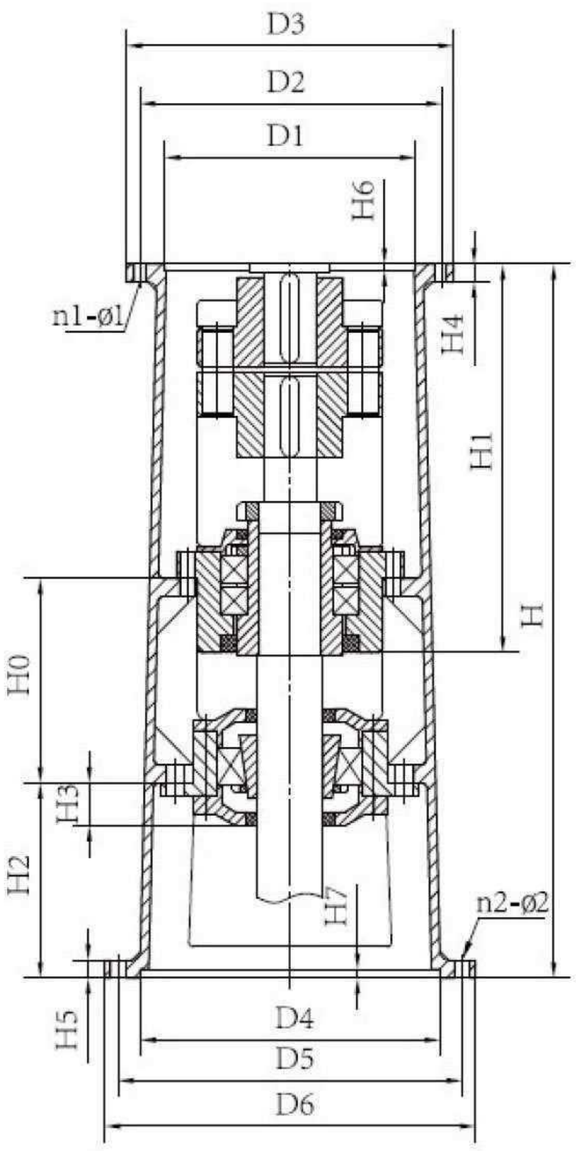
| 机架型号 | H1 | H2 | H3 | H4 | H5 | 输入端接口 | | | | 输出端接口 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | D1 | D2 | D3 | n1-M | D4 | D5 | 6 | α | n2-⌀ |
| DJ.LDJ30-B0 | 320 | 15 | 20 | 4 | 6 | 140 | 160 | 190 | 4-M10 | 240 | 285 | 315 | 30 | 12-⌀14 |
| DJ.LDJ30-B1(X3) | 320 | 15 | 20 | 4 | 6 | 170 | 200 | 230 | 6-M12 | 240 | 285 | 315 | 30 | 12-⌀14 |
| DJ.LDJ35-B1(X3) | 334 | 17 | 20 | 5 | 6 | 170 | 200 | 230 | 6-M10 | 260 | 320 | 360 | 30 | 12-⌀14 |
| DJ.LDJ40-B2(X4) | 334 | 17 | 20 | 4 | 6 | 200 | 230 | 260 | 6-⌀12 | 260 | 320 | 360 | 30 | 12-⌀14 |
| DJ.LDJ45-B2(X4) | 338 | 20 | 20 | 5 | 6 | 200 | 230 | 260 | 6-⌀12 | 260 | 320 | 360 | 30 | 12-⌀14 |
| DJ.LDJ55-B3(X5) | 372 | 22 | 24 | 6 | 6 | 270 | 310 | 340 | 6-⌀13.5 | 325 | 400 | 435 | 30 | 12-⌀14 |
| DJ.LDJ65-B4(X6) | 447 | 22 | 24 | 6 | 6 | 320(316) | 360 | 400 | 8-⌀15 | 350 | 420 | 460 | 30 | 12-⌀18 |
| DJ.LDJ70-B4(X6) | 447 | 22 | 24 | 6 | 6 | 320(316) | 360 | 400 | 8-⌀15 | 350 | 420 | 460 | 30 | 12-⌀18 |
| DJ.LDJ80-B4(X6) | 495 | 22 | 28 | 6 | 8 | 320(316) | 360 | 400 | 8-⌀15 | 380 | 455 | 495 | 30 | 12-⌀18 |
| DJ.LDJ80-X7 | 495 | 22 | 28 | 6 | 8 | 345 | 390 | 430 | 8-⌀18 | 380 | 455 | 495 | 30 | 12-⌀18 |
| DJ.LDJ80-B5(X8) | 495 | 22 | 28 | 6 | 8 | 400 | 450 | 490 | 12-⌀18 | 380 | 455 | 495 | 30 | 12-⌀18 |
| DJ.LDJ90-B5(X8) | 519 | 22 | 28 | 7 | 8 | 400 | 450 | 490 | 12-⌀18 | 430 | 510 | 555 | 30 | 12-⌀23 |
| DJ.LDJ100-B6(X9) | 535 | 25 | 28 | 9 | 10 | 460(455) | 520 | 580 | 12-⌀22 | 480 | 560 | 600 | 22.5 | 16-⌀23 |
| DJ.LDJ110-B7(X10) | 660 | 30 | 28 | 11 | 10 | 520 | 590 | 650 | 12-⌀22 | 560 | 650 | 700 | 22.5 | 16-⌀27 |
| DJ.LDJ120-B7(X10) | 660 | 30 | 28 | 11 | 10 | 520 | 590 | 650 | 12-⌀22 | 560 | 650 | 700 | 22.5 | 16-⌀27 |
| DJ.LDJ130-B8(X11) | 790 | 45 | 40 | 12 | 10 | 680 | 800 | 880 | 12-⌀38 | 720 | 810 | 880 | 18 | 20-⌀27 |
| DJ.LDJ140-B8(X11) | 790 | 45 | 40 | 12 | 12 | 680 | 800 | 880 | 12-⌀38 | 720 | 810 | 880 | 18 | 20-⌀27 |
| DJ.LDJ180-B9(X12) | 910 | 55 | 50 | 14 | 12 | 960 | 1080 | 1160 | 8-⌀39 | 970 | 1080 | 1160 | 18 | 20-⌀33 |

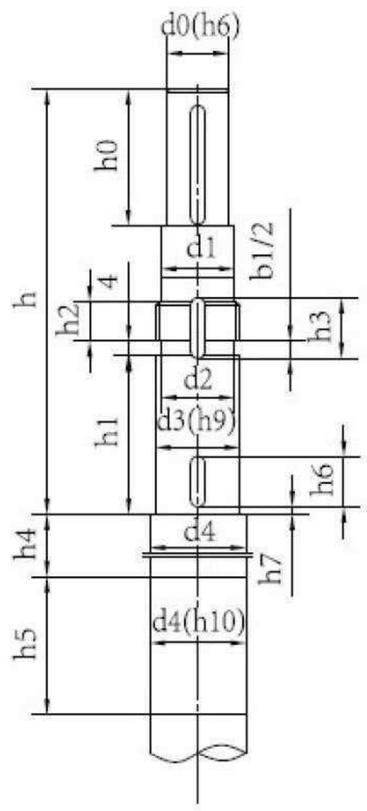
| 型号 | 搅拌轴轴端尺寸 | | | | | | | | | | | | | | | | | | | | DJ 型 | LDJ 型 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | h(B/X) | h0 | h1 | h2 | h3 | h4 | h5 | h6 | d0 | d1 | d2 | M1 | d3(h9) | d4 | b | t | b1 | t1 | b2 | t2 | H | |
| DJ.LDJ30-B0 | 250/254 | 53 | 103 | 3 | 13 | 22 | 30 | 3 | 30 | 32 | 32.8 | M35×1.5 | 35 | 40 | 8 | 26 | 6 | 31 | 6 | 32 | 550 | 700 |
| DJ.LDJ30-B1(X3) | 250/254 | 53 | 103 | 3 | 13 | 22 | 30 | 3 | 30 | 32 | 32.8 | M35×1.5 | 35 | 40 | 8 | 26 | 6 | 31 | 6 | 32 | 550 | 700 |
| DJ.LDJ35-B1(X3) | 253 | 53 | 113 | 3 | 15 | 24 | 40 | 3 | 35 | 42 | 42.8 | M45×1.5 | 45 | 50 | 10 | 30 | 6 | 41 | 6 | 42 | 600 | 750 |
| DJ.LDJ40-B2(X4) | 242/249 | 69 | 113 | 3 | 15 | 24 | 40 | 3 | 40 | 42 | 42.8 | M45×1.5 | 45 | 50 | 12 | 35 | 6 | 41 | 6 | 42 | 600 | 750 |
| DJ.LDJ45-B2(X4) | 246 | 69 | 113 | 3 | 15 | 28 | 40 | 3 | 45 | 47 | 47.8 | M50×1.5 | 50 | 65 | 14 | 40 | 8 | 46 | 8 | 46 | 600 | 750 |
| DJ.LDJ55-B3(X5) | 274/272 | 80 | 118 | 4 | 15 | 27 | 40 | 3 | 55 | 57 | 57 | M60×2 | 60 | 65 | 16 | 49 | 8 | 56 | 8 | 56 | 660 | 760 |
| DJ.LDJ65-B4(X6) | 333 | 87 | 143 | 4 | 18 | 32 | 50 | 3 | 65 | 71 | 72 | M75×2 | 75 | 80 | 18 | 58 | 10 | 69 | 10 | 70 | 720 | 870 |
| DJ.LDJ70-B4(X6) | 333/327 | 87 | 143 | 4 | 18 | 32 | 50 | 3 | 70 | 71 | 72 | M75×2 | 75 | 80 | 20 | 63 | 10 | 69 | 10 | 70 | 720 | 870 |
| DJ.LDJ80-B4(X6) | 371/340 | 91 | 163 | 4 | 18 | 32 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 | 785 | 935 |
| DJ.LDJ80-X7 | 371 | 91 | 163 | 4 | 18 | 32 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 | 785 | 935 |
| DJ.LDJ80-B5(X8) | 365 | 91 | 163 | 4 | 18 | 32 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 | 785 | 935 |
| DJ.LDJ90-B5(X8) | 375 | 125 | 168 | 4 | 20 | 36 | 60 | 3 | 90 | 91 | 92 | M95×2 | 95 | 110 | 25 | 81 | 12 | 89 | 12 | 90 | 805 | 955 |
| DJ.LDJ100-B6(X9) | 386/360 | 134 | 178 | 4 | 24 | 42 | 60 | 3 | 100 | 111 | 112 | M115×2 | 115 | 125 | 28 | 90 | 14 | 109 | 14 | 110 | 820 | 1020 |
| DJ.LDJ110-B7(X10) | 456 | 155 | 178 | 4 | 24 | 42 | 60 | 3 | 110 | 111 | 112 | M115×2 | 115 | 125 | 28 | 100 | 14 | 109 | 14 | 110 | 1100 | 1150 |
| DJ.LDJ120-B7(X10) | 456 | 155 | 178 | 4 | 24 | 42 | 60 | 3 | 120 | 122 | 122 | M125×2 | 125 | 140 | 32 | 109 | 14 | 119 | 14 | 120 | 1100 | 1150 |
| DJ.LDJ130-B8(X11) | 570 | 197 | 208 | 4 | 28 | 46 | 70 | 3 | 130 | 135 | 137 | M140×2 | 140 | 150 | 32 | 119 | 14 | 132 | 14 | 135 | 1200 | 1400 |
| DJ.LDJ140-B8(X11) | 570 | 197 | 208 | 4 | 28 | 48 | 70 | 3 | 140 | 145 | 147 | M150×2 | 150 | 160 | 36 | 128 | 16 | 142 | 16 | 144 | 1200 | 1400 |
| DJ.LDJ180-B9(X12) | 535 | 235 | 242 | 4 | 36 | 58 | 90 | 3 | 180 | 185 | 186 | M190×3 | 190 | 200 | 45 | 165 | 18 | 180 | 18 | 182 | 1280 | 1400 |

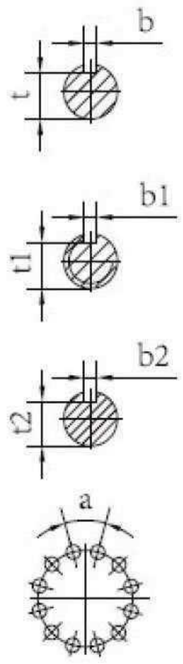
注：增高后的 LDJ 型机架其下部空间高度可容纳 205、206、207 双端面机械密封。

## 1.3 SJ、LSJ 型机架

LSJ型机架为增高型机架除H和H2值增高外其他尺寸不变。



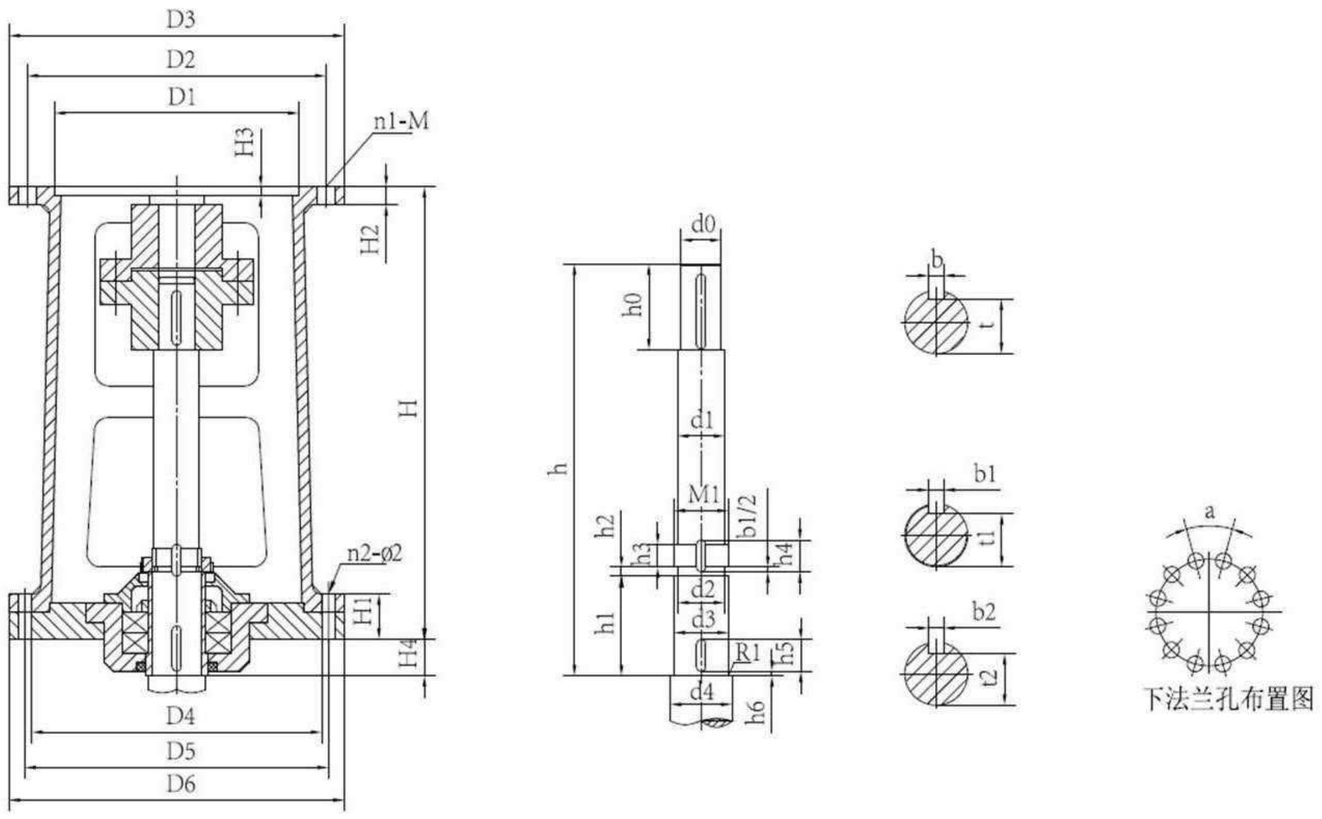

### SJ、LSJ 型双支点机架主要参数及尺寸

| 机架代号 | H0 | H1 | H3 | H4 | H5 | H6 | H7 | D1 | D2 | D3 | n1-ø1 | D4 | D5 | D6 | α° | n2-ø2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SJ.LSJ55-B3(X5) | 450 | 402 | 58 | 22 | 24 | 6 | 6 | 270 | 310 | 340 | 6-ø13.5 | 325 | 400 | 435 | 30 | 12-ø14 |
| SJ.LSJ65-B4(X6) | 450 | 487 | 58 | 22 | 24 | 6 | 6 | 320(316) | 360 | 400 | 8-ø15 | 350 | 420 | 460 | 30 | 12-ø18 |
| SJ.LSJ70-B4(X6) | 450 | 487 | 58 | 22 | 24 | 6 | 6 | 320(316) | 360 | 400 | 8-ø15 | 350 | 420 | 460 | 30 | 12-ø18 |
| SJ.LSJ80-B4(X6) | 450 | 545 | 60 | 25 | 28 | 6 | 8 | 320(316) | 360 | 400 | 8-ø15 | 380 | 455 | 495 | 30 | 12-ø23 |
| SJ.LSJ80-X7 | 450 | 545 | 60 | 25 | 28 | 6 | 8 | 345 | 390 | 430 | 8-ø18 | 380 | 455 | 495 | 30 | 12-ø23 |
| SJ.LSJ80-B5(X8) | 450 | 545 | 60 | 25 | 28 | 6 | 8 | 400 | 450 | 490 | 12-ø18 | 380 | 455 | 495 | 30 | 12-ø23 |
| SJ.LSJ90-B5(X8) | 600 | 569 | 69 | 25 | 40 | 7 | 8 | 400 | 450 | 490 | 12-ø18 | 430 | 510 | 555 | 30 | 12-ø23 |
| SJ.LSJ100-B6(X9) | 600 | 685 | 61 | 30 | 40 | 9 | 10 | 460(455) | 520 | 580 | 12-ø22 | 480 | 560 | 600 | 22.5 | 16-ø23 |
| SJ.LSJ110-B7(X10) | 600 | 685 | 61 | 38 | 40 | 11 | 10 | 520 | 590 | 650 | 12-ø22 | 560 | 650 | 700 | 22.5 | 16-ø27 |
| SJ.LSJ120-B7(X10) | 600 | 685 | 61 | 38 | 40 | 11 | 10 | 520 | 590 | 650 | 12-ø22 | 560 | 650 | 700 | 22.5 | 16-ø27 |
| SJ.LSJ130-B8(X11) | 650 | 761 | 85 | 40 | 45 | 11 | 10 | 680 | 800 | 880 | 12-ø38 | 720 | 810 | 880 | 18 | 20-ø27 |
| SJ.LSJ140-B8(X11) | 650 | 761 | 85 | 40 | 45 | 11 | 12 | 680 | 800 | 880 | 12-ø38 | 720 | 810 | 880 | 18 | 20-ø27 |
| SJ.LSJ180-B9(X12) | 650 | 910 | 83 | 50 | 80 | 14 | 12 | 960 | 1080 | 1160 | 8-ø39 | 840 | 1080 | 1160 | 18 | 20-ø33 |

| 机架代号 | 搅拌轴轴端尺寸 | | | | | | | | | | | | | | | | | | | | SJ 型 | | LSJ 型 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | h(B/X) | h0 | h1 | h2 | h3 | h4 | h5 | h6 | h7 | d0 | d1 | d2 | M0 | d3(h9) | d4 | b | t | b1 | t1 | b2 | t2 | H | H2 | H | H2 |
| SJ.LSJ55-B3(X5) | 307/302 | 80 | 118 | 15 | 24 | 300 | 120 | 40 | 3 | 55 | 57 | 57 | M60×2 | 60 | 65 | 16 | 49 | 8 | 56 | 8 | 56 | 1070 | 312 | 1220 | 462 |
| SJ.LSJ65-B4(X6) | 373 | 95 | 143 | 18 | 32 | 275 | 135 | 50 | 3 | 65 | 72 | 72 | M75×2 | 75 | 80 | 18 | 58 | 10 | 69 | 10 | 70 | 1140 | 307 | 1290 | 457 |
| SJ.LSJ70-B4(X6) | 373/367 | 95 | 143 | 18 | 32 | 275 | 135 | 50 | 3 | 70 | 72 | 72 | M75×2 | 75 | 80 | 20 | 63 | 10 | 69 | 10 | 70 | 1140 | 307 | 1290 | 457 |
| SJ.LSJ80-B4(X6) | 422 | 95 | 163 | 18 | 32 | 250 | 139 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 | 1230 | 354 | 1380 | 504 |
| SJ.LSJ80-X7 | 422 | 95 | 163 | 18 | 32 | 250 | 139 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 | 1230 | 354 | 1380 | 504 |
| SJ.LSJ80-B5(X8) | 418 | 95 | 163 | 18 | 32 | 250 | 139 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 | 1230 | 354 | 1380 | 504 |
| SJ.LSJ90-B5(X8) | 436 | 115 | 168 | 20 | 36 | 380 | 162 | 60 | 3 | 90 | 91 | 92 | M95×2 | 95 | 110 | 25 | 81 | 12 | 89 | 12 | 90 | 1400 | 363 | 1550 | 513 |
| SJ.LSJ100-B6(X9) | 532/510 | 135 | 178 | 24 | 42 | 360 | 182 | 60 | 3 | 100 | 110 | 112 | M115×2 | 115 | 125 | 28 | 90 | 14 | 109 | 14 | 109.5 | 1510 | 350 | 1710 | 550 |
| SJ.LSJ110-B7(X10) | 489 | 145 | 178 | 24 | 42 | 380 | 182 | 60 | 3 | 110 | 111 | 112 | M115×2 | 115 | 125 | 28 | 100 | 14 | 109 | 14 | 109.5 | 1510 | 350 | 1710 | 550 |
| SJ.LSJ120-B7(X10) | 489 | 145 | 178 | 24 | 42 | 380 | 182 | 60 | 3 | 120 | 122 | 122 | M125×2 | 125 | 140 | 32 | 109 | 14 | 119 | 14 | 119.5 | 1510 | 350 | 1710 | 550 |
| SJ.LSJ130-B8(X11) | 537 | 205 | 208 | 28 | 46 | 370 | 200 | 70 | 3 | 130 | 135 | 137 | M140×2 | 140 | 150 | 32 | 119 | 14 | 132 | 14 | 134.5 | 1610 | 374 | 1810 | 574 |
| SJ.LSJ140-B8(X11) | 537 | 205 | 208 | 28 | 48 | 370 | 200 | 70 | 3 | 140 | 145 | 147 | M150×2 | 150 | 160 | 36 | 128 | 16 | 142 | 16 | 144 | 1610 | 374 | 1810 | 574 |
| SJ.LSJ180-B9(X12) | 535 | 290 | 242 | 36 | 58 | 310 | 230 | 90 | 3 | 180 | 185 | 186 | M190×3 | 190 | 200 | 45 | 165 | 18 | 180 | 18 | 182 | 1710 | 402 | 1920 | 602 |

注：增高后的 LSJ 型机架其下部空间高度可容纳 205、206、207 双端面机械密封。

## 1.4 DXJ 型机架

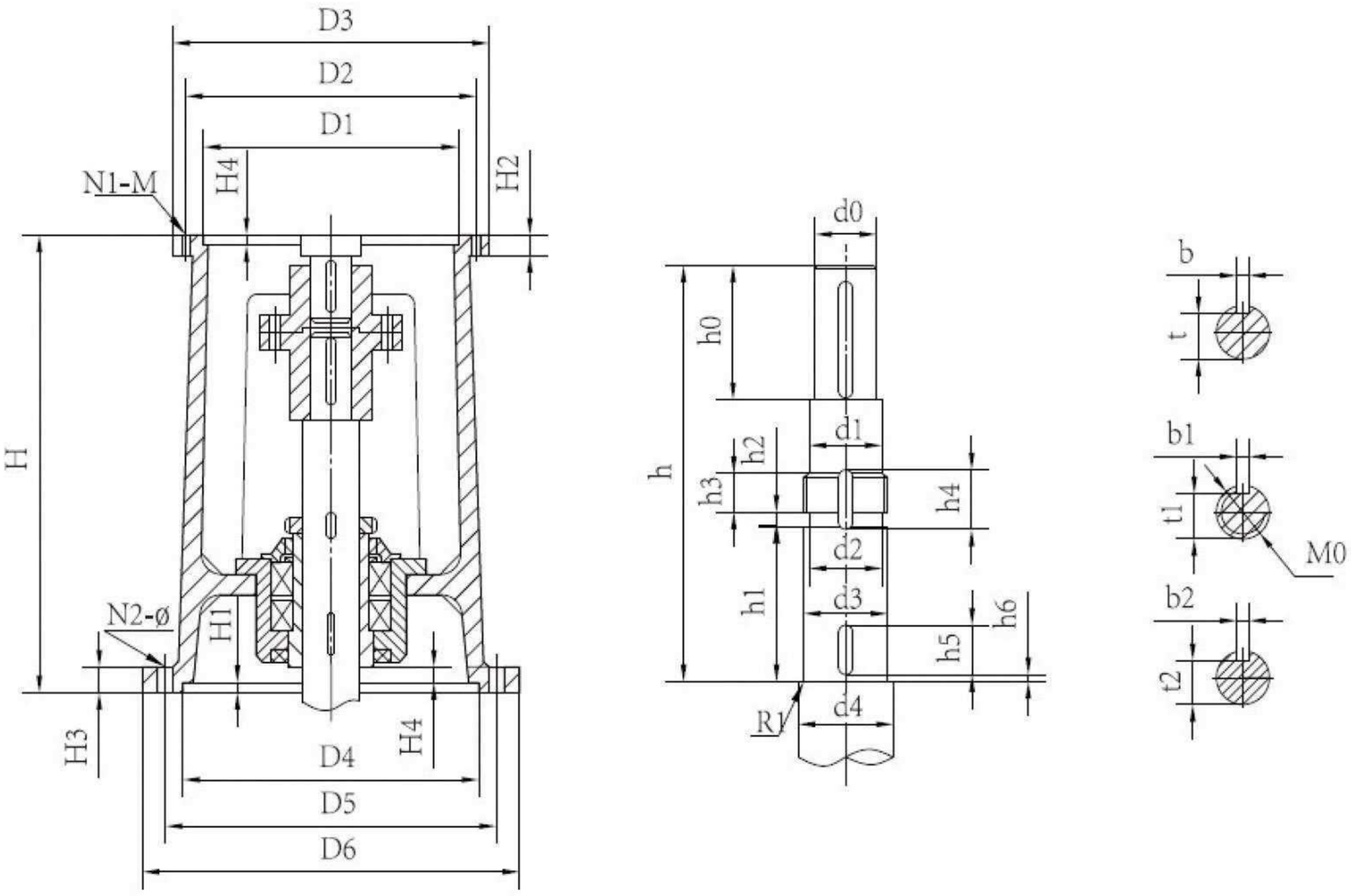



DXJ 型单支点机架主要参数及尺寸

| 机架型号 | H | H1 | H2 | H3 | H4 | 输入端接口 | | | | 输出端接口 | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | D1 | D2 | D3 | n1-M | D4 | D5 | D6 | α | n2-⌀ |
| DXJ30-B0 | 470 | 40 | 15 | 4 | 45 | 140 | 160 | 190 | 4-M10 | 240 | 285 | 315 | 30 | 12-⌀14 |
| DXJ30-B1(X3) | 470 | 40 | 15 | 4 | 45 | 170 | 200 | 230 | 6-⌀12 | 240 | 285 | 315 | 30 | 12-⌀14 |
| DXJ35-B1(X3) | 524 | 48 | 15 | 5 | 47 | 170 | 200 | 230 | 6-M10 | 260 | 320 | 360 | 30 | 12-⌀14 |
| DXJ40-B2(X4) | 524 | 48 | 15 | 4 | 47 | 200 | 230 | 260 | 6-⌀12 | 260 | 320 | 360 | 30 | 12-⌀14 |
| DXJ45-B2(X4) | 524 | 48 | 15 | 5 | 49 | 200 | 230 | 260 | 6-⌀12 | 260 | 320 | 360 | 30 | 12-⌀14 |
| DXJ55-B3(X5) | 580 | 55 | 20 | 6 | 47 | 270 | 310 | 340 | 6-⌀13.5 | 325 | 400 | 435 | 30 | 12-⌀14 |
| DXJ65-B4(X6) | 634 | 60 | 20 | 6 | 58 | 320(316) | 360 | 400 | 8-⌀15 | 350 | 420 | 460 | 30 | 12-⌀18 |
| DXJ70-B4(X6) | 634 | 60 | 20 | 6 | 58 | 320(316) | 360 | 400 | 8-⌀15 | 350 | 420 | 460 | 30 | 12-⌀18 |
| DXJ80-B4(X6) | 678 | 65 | 25 | 6 | 70 | 320(316) | 360 | 400 | 8-⌀15 | 380 | 455 | 495 | 30 | 12-⌀18 |
| DXJ80-X7 | 678 | 65 | 25 | 6 | 70 | 345 | 390 | 430 | 8-⌀18 | 380 | 455 | 495 | 30 | 12-⌀18 |
| DXJ80-B5(X8) | 678 | 65 | 25 | 6 | 70 | 400 | 450 | 490 | 12-⌀18 | 380 | 455 | 495 | 30 | 12-⌀18 |
| DXJ90-B5(X8) | 700 | 75 | 2 | 7 | 72 | 400 | 450 | 490 | 12-⌀18 | 430 | 510 | 555 | 30 | 12-⌀23 |
| DXJ100-B6(X9) | 740 | 80 | 25 | 9 | 76 | 460(455) | 520 | 580 | 12-⌀22 | 480 | 460 | 600 | 22.5 | 16-⌀23 |
| DXJ110-B7(X10) | 840 | 80 | 30 | 11 | 76 | 520 | 590 | 650 | 12-⌀22 | 560 | 650 | 700 | 22.5 | 16-⌀27 |
| DXJ120-B7(X10) | 840 | 80 | 30 | 11 | 76 | 520 | 590 | 650 | 12-⌀22 | 560 | 650 | 700 | 22.5 | 16-⌀27 |
| DXJ130-B8(X11) | 950 | 94 | 30 | 11 | 85 | 680 | 800 | 880 | 12-⌀38 | 720 | 810 | 880 | 18 | 20-⌀27 |
| DXJ140-B8(X11) | 950 | 94 | 30 | 11 | 85 | 680 | 800 | 880 | 12-⌀38 | 720 | 810 | 880 | 18 | 20-⌀27 |
| DXJ180-B9(X12) | 1050 | 100 | 40 | 14 | 115 | 960 | 1080 | 1160 | 8-⌀39 | 970 | 1080 | 1160 | 18 | 20-⌀33 |

| 机架型号 | 搅拌轴轴端尺寸 | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | h(B/X) | h0 | h1 | h2 | h3 | h4 | h5 | h6 | d0 | d1 | d2 | M1 | d3 | d4 | b | t | b1 | t1 | b2 | t2 |
| DXJ30-B0 | 431/445 | 53 | 103 | 3 | 13 | 22 | 30 | 3 | 30 | 32 | 32.8 | M35×1.5 | 35 | 40 | 8 | 26 | 6 | 31 | 6 | 31.5 |
| DXJ30-B1(X3) | 431/445 | 53 | 103 | 3 | 13 | 22 | 30 | 3 | 30 | 32 | 32.8 | M35×1.5 | 35 | 40 | 8 | 26 | 6 | 31 | 6 | 31.5 |
| DXJ35-B1(X3) | 490 | 53 | 113 | 3 | 15 | 24 | 40 | 3 | 35 | 42 | 42.8 | M45×1.5 | 45 | 50 | 10 | 30 | 6 | 41 | 6 | 41.5 |
| DXJ40-B2(X4) | 479/482 | 69 | 113 | 3 | 15 | 24 | 40 | 3 | 40 | 42 | 42.8 | M45×1.5 | 45 | 50 | 12 | 35 | 6 | 41 | 6 | 41.5 |
| DXJ45-B2(X4) | 481 | 69 | 113 | 3 | 15 | 28 | 40 | 3 | 45 | 47 | 47.8 | M50×1.5 | 50 | 65 | 14 | 39.5 | 8 | 46 | 8 | 46 |
| DXJ55-B3(X5) | 530 | 80 | 118 | 4 | 15 | 27 | 40 | 3 | 55 | 57 | 57 | M60×2 | 60 | 65 | 16 | 49 | 8 | 56 | 8 | 56 |
| DXJ65-B4(X6) | 590 | 87 | 143 | 4 | 18 | 32 | 50 | 3 | 65 | 71 | 72 | M75×2 | 75 | 80 | 18 | 58 | 10 | 69 | 10 | 70 |
| DXJ70-B4(X6) | 590/580 | 87 | 143 | 4 | 18 | 32 | 50 | 3 | 70 | 71 | 72 | M75×2 | 75 | 80 | 20 | 62.5 | 10 | 69 | 10 | 70 |
| DXJ80-B4(X6) | 630/590 | 91 | 163 | 4 | 18 | 32 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 |
| DXJ80-X7 | 630/590 | 91 | 163 | 4 | 18 | 32 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 |
| DXJ80-B5(X8) | 618 | 91 | 163 | 4 | 18 | 32 | 60 | 3 | 80 | 81 | 82 | M85×2 | 85 | 90 | 22 | 71 | 10 | 79 | 10 | 80 |
| DXJ90-B5(X8) | 636 | 125 | 168 | 4 | 20 | 36 | 60 | 3 | 90 | 91 | 92 | M95×2 | 95 | 110 | 25 | 81 | 12 | 89 | 12 | 90 |
| DXJ100-B6(X9) | 667/635 | 134 | 178 | 4 | 24 | 42 | 60 | 3 | 100 | 111 | 112 | M115×2 | 115 | 125 | 28 | 90 | 14 | 109 | 14 | 110 |
| DXJ110-B7(X10) | 712 | 155 | 178 | 4 | 24 | 42 | 60 | 3 | 110 | 111 | 112 | M115×2 | 115 | 125 | 28 | 100 | 14 | 109 | 14 | 110 |
| DXJ120-B7(X10) | 712 | 155 | 178 | 4 | 24 | 42 | 60 | 3 | 120 | 122 | 122 | M125×2 | 125 | 140 | 32 | 109 | 14 | 119 | 14 | 120 |
| DXJ130-B8(X11) | 815 | 197 | 208 | 4 | 28 | 46 | 70 | 3 | 130 | 135 | 137 | M140×2 | 140 | 150 | 32 | 119 | 14 | 132 | 14 | 135 |
| DXJ140-B8(X11) | 815 | 197 | 208 | 4 | 32 | 52 | 70 | 3 | 140 | 145 | 147 | M150×2 | 150 | 160 | 36 | 128 | 16 | 142 | 16 | 144 |
| DXJ180-B9(X12) | 790 | 290 | 242 | 4 | 36 | 58 | 90 | 3 | 180 | 180 | 186 | M190×3 | 190 | 200 | 45 | 165 | 18 | 180 | 18 | 182 |

## 1.5 JXD 型机架



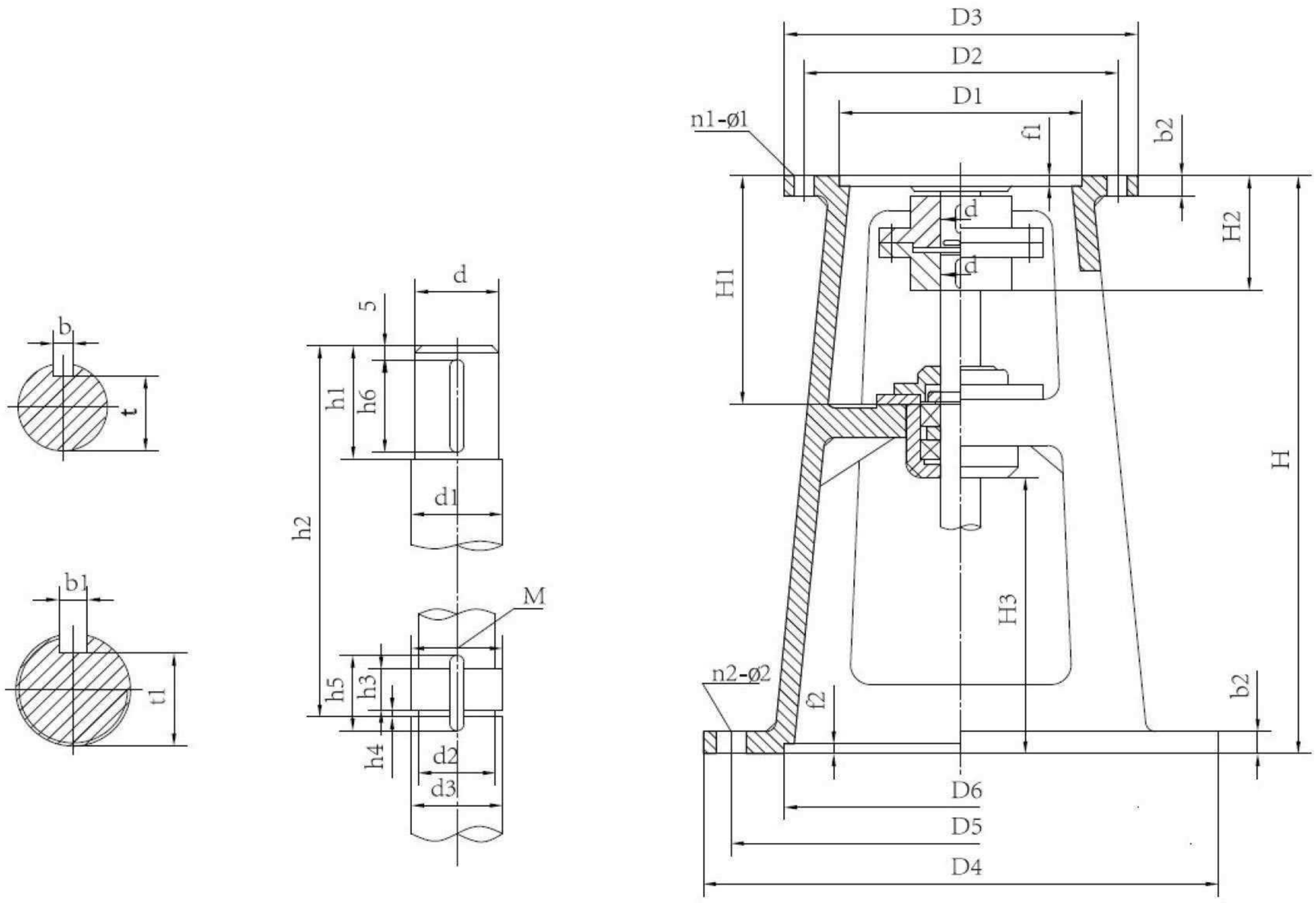



JXD 型单支点机架主要参数及尺寸

| 机架型号 | H | H1 | H2 | H3 | H4 | 输入端接口 | | | | 输出端接口 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | D1 | D2 | D3 | n1-M | D4 | D5 | D6 | n2-⌀ |
| JXD35-B1(X3) | 450 | 6 | 15 | 24 | 32 | 170 | 200 | 230 | 6-M10 | 315 | 362 | 405 | 12-⌀18 |
| JXD40-B2(X4) | 450 | 6 | 15 | 24 | 32 | 200 | 230 | 260 | 6-M10 | 315 | 362 | 405 | 12-⌀18 |
| JXD45-B2(X4) | 450 | 6 | 15 | 24 | 22 | 200 | 230 | 260 | 6-M10 | 315 | 362 | 405 | 12-⌀18 |
| JXD55-B3(X5) | 450 | 8 | 20 | 28 | 25 | 270 | 310 | 340 | 6-⌀13.5 | 315 | 362 | 405 | 12-⌀18 |
| JXD70-B4(X6) | 500 | 8 | 20 | 28 | 23 | 320(316) | 360 | 400 | 8-⌀15 | 325 | 390 | 435 | 12-⌀18 |
| JXD80-B4(X6) | 540 | 8 | 25 | 30 | 9 | 320(316) | 360 | 400 | 8-⌀15 | 365 | 432 | 485 | 12-⌀23 |
| JXD80-X7 | 540 | 8 | 25 | 30 | 9 | 345 | 390 | 430 | 8-⌀18 | 365 | 432 | 485 | 12-⌀23 |
| JXD90-B5(X8) | 580 | 8 | 25 | 30 | 20 | 400 | 450 | 490 | 12-⌀18 | 400 | 476 | 565 | 12-⌀26 |
| JXD100-B6(X9) | 580 | 8 | 25 | 35 | 15 | 460(455) | 520 | 580 | 12-⌀22 | 400 | 476 | 565 | 12-⌀26 |
| JXD110-B7(X10) | 650 | 10 | 30 | 40 | 15 | 520 | 590 | 650 | 12-⌀22 | 480 | 540 | 685 | 12-⌀26 |
| JXD120-B7(X10) | 650 | 10 | 30 | 40 | 15 | 520 | 590 | 650 | 12-⌀22 | 480 | 540 | 685 | 12-⌀26 |
| JXD130-B8(X11) | 800 | 10 | 45 | 45 | 20 | 680 | 800 | 880 | 12-⌀38 | 560 | 635 | 880 | 20-⌀27 |
| JXD140-B8(X11) | 800 | 10 | 45 | 45 | 20 | 680 | 800 | 880 | 12-⌀38 | 560 | 635 | 880 | 20-⌀27 |

| 机架型号 | 搅拌轴轴端尺寸 | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | h（B/X） | h1 | h2 | h3 | h4 | h5 | h6 | h0 | d0 | d1 | d2 | M1 | d3 | d4 | R1 | b | t | b1 | t1 | b2 | t2 |
| JXD35-B1(X3) | 340 | 113 | 3 | 15 | 24 | 40 | 3 | 53 | 35 | 42 | 42.8 | M45×1.5 | 45 | 50 | 1 | 10 | 30 | 6 | 41 | 6 | 41.5 |
| JXD40-B2(X4) | 324 | 113 | 3 | 15 | 24 | 40 | 3 | 69 | 40 | 42 | 42.8 | M45×1.5 | 45 | 50 | 1 | 12 | 35 | 6 | 41 | 6 | 41.5 |
| JXD45-B2(X4) | 334 | 113 | 3 | 15 | 28 | 40 | 3 | 69 | 45 | 47 | 47 | M50×1.5 | 50 | 65 | 1 | 14 | 39.5 | 8 | 46 | 8 | 46 |
| JXD55-B3(X5) | 325 | 118 | 4 | 15 | 28 | 40 | 3 | 80 | 55 | 57 | 57 | M60×2 | 60 | 65 | 1 | 16 | 49 | 8 | 56 | 8 | 56 |
| JXD70-B4(X6) | 355 | 143 | 4 | 18 | 32 | 50 | 3 | 87 | 65 | 71 | 72 | M75×2 | 75 | 80 | 1 | 18 | 58 | 10 | 69 | 10 | 70 |
| JXD80-B4(X6) | 363 | 163 | 4 | 18 | 32 | 60 | 3 | 91 | 80 | 82 | 82 | M85×2 | 85 | 90 | 1.5 | 22 | 71 | 10 | 79 | 10 | 80 |
| JXD80-X7 | 411 | 163 | 4 | 18 | 32 | 60 | 3 | 91 | 80 | 82 | 82 | M85×2 | 85 | 90 | 1.5 | 22 | 71 | 10 | 79 | 10 | 80 |
| JXD90-B5(X8) | 415 | 168 | 4 | 20 | 36 | 60 | 3 | 125 | 90 | 92 | 92 | M95×2 | 95 | 110 | 1.5 | 25 | 81 | 12 | 89 | 12 | 90 |
| JXD100-B6(X9) | 410/385 | 178 | 4 | 24 | 42 | 60 | 3 | 134 | 100 | 111 | 112 | M115×2 | 115 | 125 | 2 | 28 | 90 | 14 | 109 | 14 | 109.5 |
| JXD110-B7(X10) | 431 | 178 | 4 | 24 | 42 | 60 | 3 | 155 | 110 | 112 | 112 | M115×2 | 115 | 125 | 2 | 28 | 100 | 14 | 109 | 14 | 109.5 |
| JXD120-B7(X10) | 431 | 178 | 4 | 24 | 42 | 60 | 3 | 155 | 120 | 122 | 122 | M125×2 | 125 | 140 | 2 | 32 | 109 | 14 | 119 | 14 | 119.5 |
| JXD130-B8(X11) | 560 | 208 | 4 | 28 | 46 | 70 | 3 | 197 | 130 | 135 | 137 | M140×2 | 140 | 150 | 2 | 32 | 119 | 14 | 132 | 14 | 134.5 |
| JXD140-B8(X11) | 560 | 208 | 4 | 28 | 46 | 70 | 3 | 197 | 140 | 145 | 146 | M150×2 | 150 | 160 | 2 | 36 | 128 | 16 | 142 | 16 | 144 |

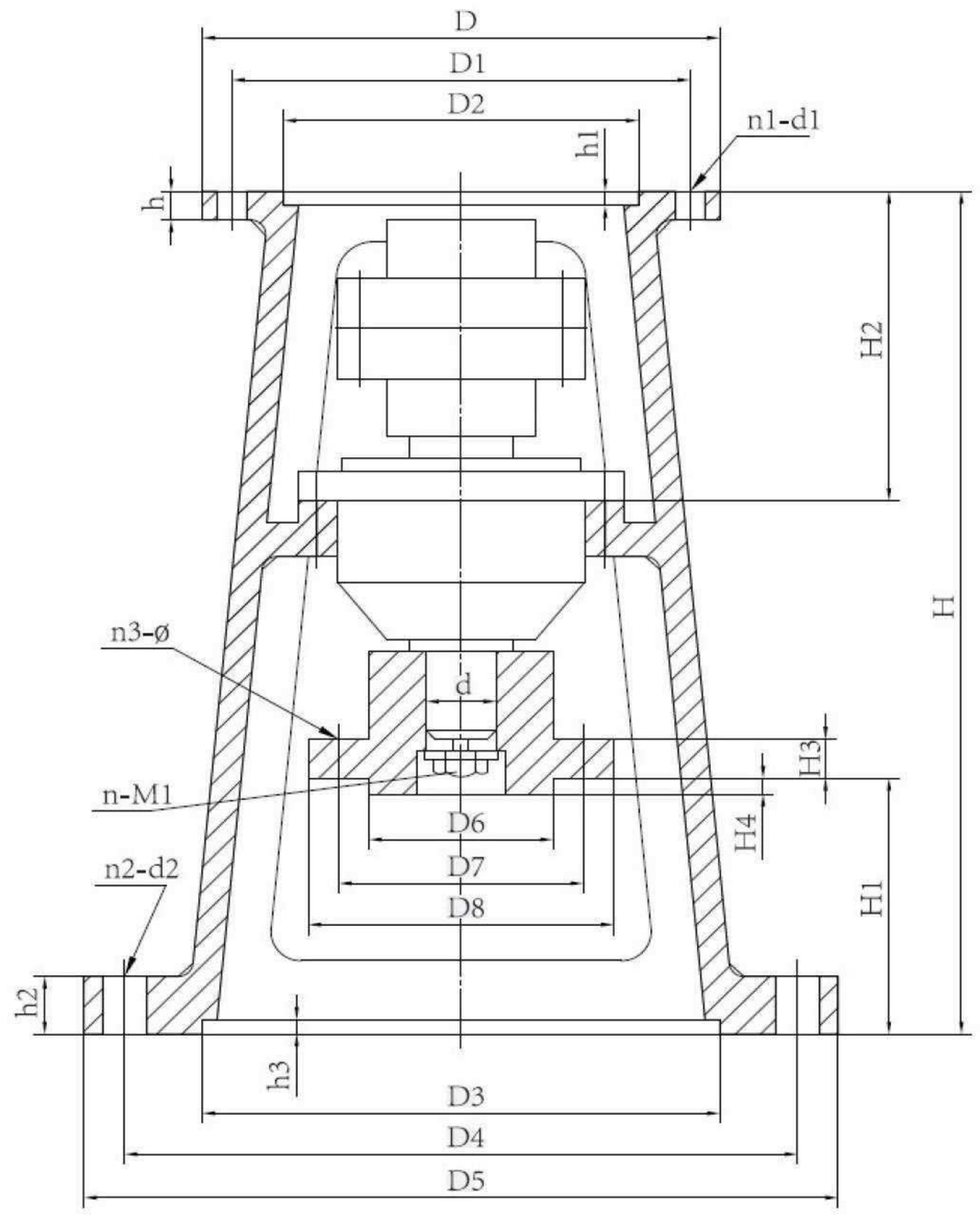
## 1.6 JXLD 型机架（74 标）(天津标)




JXLD 型（74 标）机架主要参数及尺寸

| 机架型号 | d | 搅拌轴轴端尺寸 | | | | | | | | | | | | | | 输入端接口尺寸 | | | | | | 输出端接口尺寸 | | | | | H1 | H2 | H3 | H |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | d1 | M | d2 | d3 (k6) | h1 | h2 | h3 | h4 | h5 | h6 | b | t | b1 | t1 | D3 | D2 | D1 | f1 | b2 | n1-⌀1 | D4 | D5 | D6 (H9) | f2 | n2-⌀2 | | | | |
| JXLD3 | 35 | 40 | M45×1.5 | 43 | 45 | 60 | 215 | 10 | 3 | 16 | 50 | 10 | 30 | 6 | 41 | 230 | 200 | 170 | 4 | 18 | 6-12 | 410 | 360 | 300 | 6 | 6-18 | 291 | 136 | 170 | 520 |
| JXLD4 | 45 | 50 | M55×2 | 52 | 55 | 75 | 235 | 14 | 4 | 22 | 69 | 14 | 40 | 8 | 51 | 260 | 230 | 200 | 4 | 18 | 6-12 | 450 | 400 | 335 | 6 | 6-18 | 335 | 175 | 155 | 570 |
| JXLD5 | 55 | 60 | M65×2 | 62 | 65 | 75 | 301 | 14 | 4 | 22 | 70 | 16 | 49 | 8 | 61 | 340 | 310 | 270 | 6 | 22 | 6-13 | 500 | 450 | 385 | 6 | 8-18 | 404 | 178 | 157 | 650 |
| JXLD6 | 65 | 70 | M75×2 | 72 | 75 | 90 | 277 | 16 | 4 | 25 | 85 | 18 | 58 | 10 | 70 | 400 | 360 | 316 | 6 | 22 | 8-16 | 530 | 480 | 410 | 6 | 12-18 | 402 | 215 | 168 | 660 |
| JXLD7 | 80 | 85 | M90×2 | 87 | 90 | 105 | 316 | 20 | 4 | 30 | 100 | 22 | 71 | 12 | 84 | 430 | 390 | 345 | 6 | 24 | 8-18 | 565 | 510 | 430 | 8 | 12-22 | 441 | 230 | 194 | 740 |
| JXLD8 | 90 | 95 | M100×2 | 97 | 100 | 125 | 320 | 20 | 4 | 30 | 120 | 25 | 81 | 12 | 94 | 490 | 450 | 400 | 7 | 28 | 12-18 | 565 | 510 | 430 | 8 | 12-22 | 471 | 276 | 212 | 800 |
| JXLD9 | 100 | 105 | M110×2 | 107 | 110 | 125 | 308 | 20 | 4 | 31 | 120 | 28 | 90 | 14 | 104 | 580 | 520 | 455 | 9 | 30 | 12-22 | 580 | 520 | 455 | 10 | 12-22 | 496 | 313 | 191 | 810 |
| JXLD10 | 110 | 115 | M120×2 | 117 | 120 | 155 | 267 | 24 | 4 | 35 | 150 | 28 | 100 | 14 | 114 | 650 | 590 | 520 | 11 | 30 | 12-22 | 650 | 590 | 520 | 10 | 12-22 | 475 | 363 | 221 | 830 |
| JXLD11 | 130 | 135 | M140×2 | 137 | 140 | 155 | 301 | 28 | 4 | 39 | 150 | 32 | 119 | 14 | 132 | 880 | 800 | 680 | 12 | 30 | 12-38 | 880 | 800 | 680 | 12 | 12-37 | 521 | 375 | 185 | 850 |
| JXLD12 | 180 | 190 | M200×2 | 196 | 200 | 284 | 377 | 36 | 4 | 48 | 280 | 45 | 165 | 16 | 190 | 1160 | 1020 | 900 | 14 | 45 | 8-39 | 1160 | 1020 | 900 | 12 | 8-39 | 757 | 664 | 235 | 1200 |

## 1.7 TJ 型机架



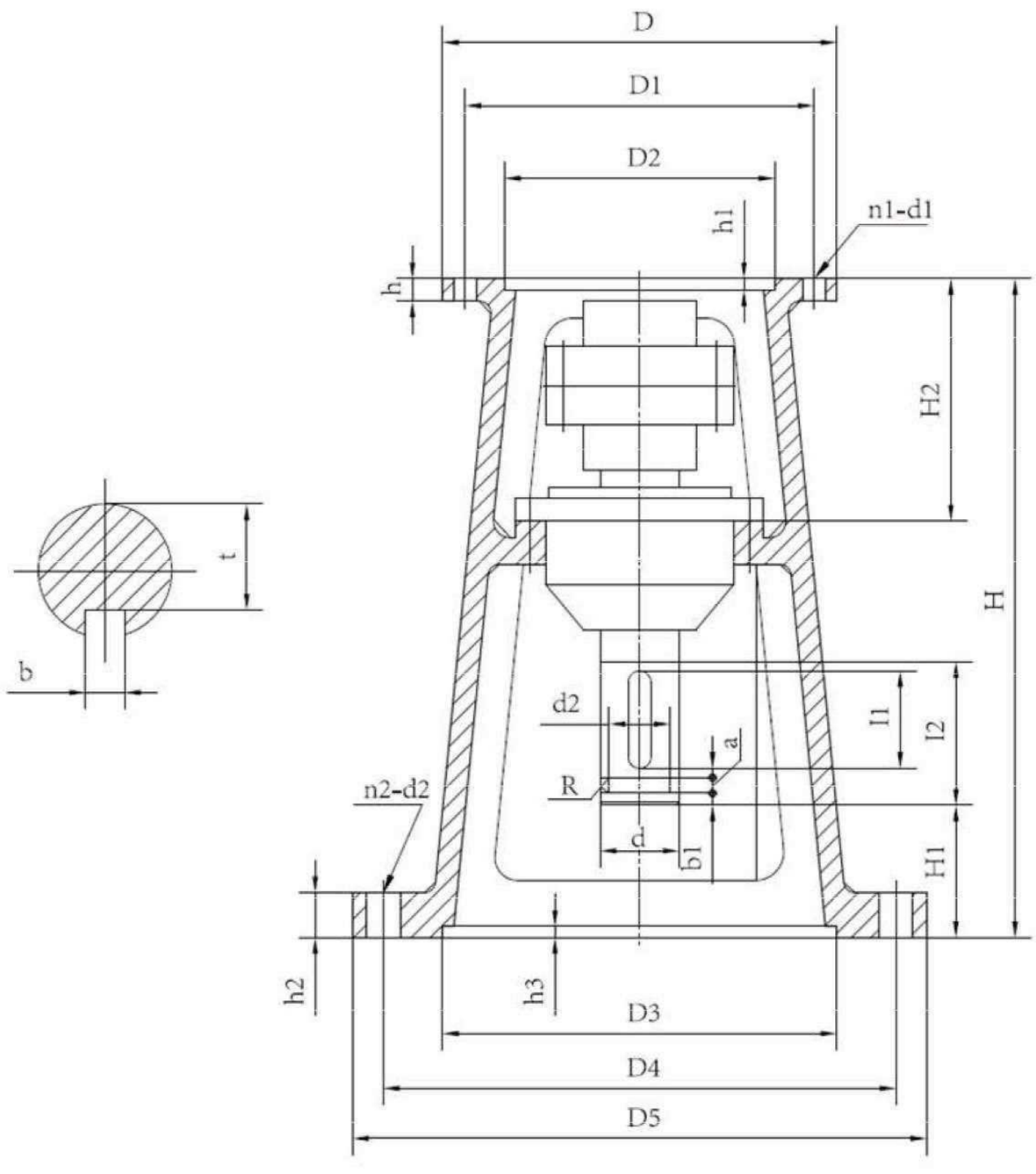

机架

TJ 型机架，下装 JA 型联轴器，主要参数及尺寸

| 机架型号 | 输入端接口 | | | | | | 输出端接口 | | | | | | H | H1 | H2 | H3 | d | D6 | D7 | D8 | n3-⌀ | n-M1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | D | D1 | D2 | h | h1 | n1-d1 | D3 | D4 | D5 | h2 | h3 | n2-d2 | | | | | | | | | | |
| TJ1-B1(X3) | 230 | 200 | 170 | 20 | 6 | 6-12 | 220 | 270 | 305 | 22 | 7 | 4-24 | 514 | 201 | 185 | 15 | 35 | 60 | 110 | 140 | 4-13.5 | 1-10 |
| TJ2-B1(X3) | 230 | 200 | 170 | 20 | 6 | 6-12 | 250 | 300 | 335 | 22 | 7 | 4-24 | 517 | 197 | 190 | 15 | 35 | 60 | 110 | 140 | 4-13.5 | 1-10 |
| TJ2-B2(X4) | 260 | 230 | 200 | 20 | 7 | 6-13 | 250 | 300 | 335 | 25 | 7 | 4-24 | 530 | 176 | 210 | 20 | 45 | 85 | 120 | 160 | 4-13.5 | 1-12 |
| TJ3-B2(X4) | 260 | 230 | 200 | 20 | 7 | 6-13 | 295 | 350 | 392 | 26 | 7 | 4-26 | 560 | 206 | 210 | 20 | 45 | 85 | 120 | 160 | 4-13.5 | 1-12 |
| TJ3-B3(X5) | 340 | 310 | 270 | 20 | 7 | 6-13 | 295 | 350 | 392 | 26 | 7 | 4-26 | 560 | 191 | 210 | 20 | 45 | 85 | 120 | 160 | 4-13.5 | 1-12 |
| TJ4-B3(X5) | 340 | 310 | 270 | 20 | 7 | 6-13 | 345 | 400 | 442 | 26 | 7 | 4-26 | 635 | 245 | 215 | 22 | 55 | 100 | 150 | 180 | 4-18 | 1-16 |
| TJ5-B3(X5) | 340 | 310 | 270 | 22 | 7 | 6-13 | 390 | 450 | 498 | 26 | 7 | 4-30 | 635 | 250 | 215 | 22 | 55 | 100 | 150 | 180 | 4-18 | 1-16 |
| TJ6-B4(X6) | 400 | 360 | 320(316) | 22 | 7 | 8-16 | 435 | 500 | 548 | 30 | 7 | 8-30 | 736 | 276 | 250 | 28 | 70 | 110 | 165 | 200 | 4-18 | 1-16 |
| TJ7-B5(X8) | 490 | 450 | 400 | 26 | 10 | 12-18 | 440 | 550 | 600 | 30 | 10 | 12-22 | 805 | 241 | 296 | 36 | 90 | 150 | 190 | 230 | 6-18 | 1-16 |
| TJ8-B6(X9) | 580 | 520 | 460(455) | 28 | 10 | 12-22 | 500 | 550 | 600 | 32 | 10 | 12-22 | 820 | 192 | 362 | 36 | 100 | 140 | 200 | 240 | 6-18 | 1-16 |
| TJ9-B7(X10) | 650 | 590 | 520 | 30 | 12 | 12-22 | 560 | 650 | 700 | 35 | 10 | 12-27 | 1100 | 355 | 455 | 36 | 110 | 150 | 250 | 290 | 6-27 | 1-16 |
| TJ10-B8(X11) | 880 | 800 | 680 | 45 | 12 | 12-38 | 720 | 810 | 880 | 45 | 10 | 20-27 | 1200 | 304 | 550 | 40 | 130 | 180 | 290 | 350 | 6-27 | 1-16 |

注：TJ6、TJ7 均可配 XL7 号减速机，订货时请另注明。

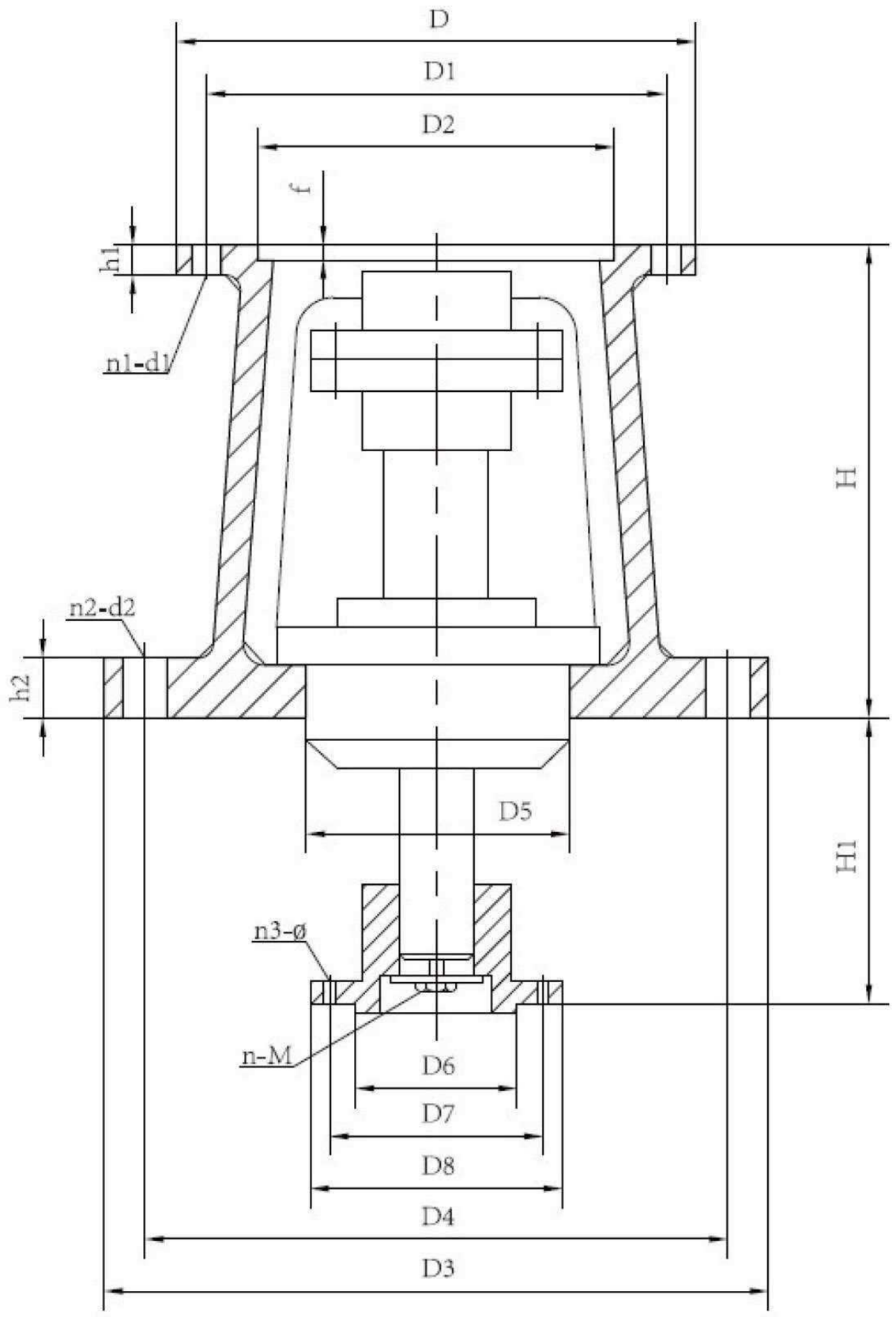
## 1.8 TJQ 型机架




TJQ 型机架，下装 JQ 夹壳式联轴器，主要参数及尺寸

| 机架型号 | d (h7) | 输入端接口 | | | | | | 输出端接口 | | | | | | H | H1 | H2 | l1 | l2 | a (H11) | b1 | d2 (h11) | b | t | 配联轴器型号 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | D | D1 | D2 | h | h1 | n1-d1 | D3 | D4 | D5 | h2 | h3 | n2-d2 | | | | | | | | | | | |
| TJQ1-B1(X3) | 35 | 230 | 200 | 170 | 18 | 5 | 6-12 | 220 | 270 | 305 | 22 | 7 | 4-24 | 514 | 173 | 185 | 55 | 85 | 5 | 4 | 30 | 10 | 30 | JQ35 |
| TJQ2-B1(X3) | 35 | 230 | 200 | 170 | 20 | 6 | 6-13.5 | 250 | 300 | 335 | 22 | 7 | 4-24 | 517 | 182 | 190 | 55 | 85 | 5 | 4 | 30 | 10 | 30 | JQ35 |
| TJQ2-B2(X4) | 45 | 260 | 230 | 200 | 20 | 6 | 6-13.5 | 250 | 300 | 335 | 22 | 7 | 4-24 | 530 | 175 | 210 | 70 | 100 | 6 | 5 | 37 | 14 | 39.5 | JQ45 |
| TJQ3-B2(X4) | 45 | 260 | 230 | 200 | 20 | 6 | 6-13.5 | 295 | 350 | 392 | 25 | 7 | 4-26 | 560 | 191 | 210 | 70 | 100 | 6 | 5 | 37 | 14 | 39.5 | JQ45 |
| TJQ3-B3(X5) | 45 | 340 | 310 | 270 | 20 | 6 | 6-13.5 | 295 | 350 | 392 | 26 | 7 | 4-26 | 560 | 191 | 210 | 70 | 100 | 6 | 5 | 37 | 14 | 39.5 | JQ45 |
| TJQ4-B3(X5) | 55 | 340 | 310 | 270 | 20 | 6 | 6-13.5 | 345 | 400 | 442 | 26 | 7 | 4-26 | 635 | 253 | 210 | 70 | 100 | 6 | 5 | 47 | 16 | 49 | JQ55 |
| TJQ5-B3(X5) | 55 | 340 | 310 | 270 | 20 | 6 | 6-13.5 | 390 | 450 | 498 | 26 | 7 | 4-30 | 635 | 258 | 215 | 70 | 100 | 6 | 5 | 47 | 16 | 49 | JQ55 |
| TJQ6-B4(X6) | 70 | 400 | 360 | 320(316) | 22 | 6 | 8-16 | 435 | 500 | 548 | 26 | 7 | 8-30 | 736 | 284 | 250 | 100 | 130 | 8 | 6 | 60 | 20 | 62.5 | JQ70 |
| TJQ7-B5(X8) | 90 | 490 | 450 | 400 | 25 | 7 | 12-18 | 440 | 550 | 600 | 28 | 10 | 12-22 | 805 | 233 | 296 | 140 | 170 | 10 | 8 | 80 | 25 | 81 | JQ90 |
| TJQ8-B6(X9) | 100 | 580 | 520 | 460(455) | 26 | 10 | 12-22 | 500 | 550 | 600 | 30 | 10 | 12-22 | 820 | 187 | 362 | 140 | 170 | 10 | 8 | 90 | 28 | 90 | JQ100 |
| TJQ9-B7(X10) | 110 | 650 | 590 | 520 | 30 | 12 | 12-22 | 560 | 650 | 700 | 40 | 10 | 12-27 | 1100 | 210 | 455 | 160 | 200 | 12 | 10 | 100 | 28 | 100 | JQ110 |
| TJQ10-B8(X11) | 130 | 880 | 800 | 680 | 40 | 12 | 12-38 | 720 | 810 | 880 | 45 | 10 | 20-27 | 1200 | 297 | 550 | 180 | 225 | 14 | 12 | 118 | 32 | 119 | JQ120 |

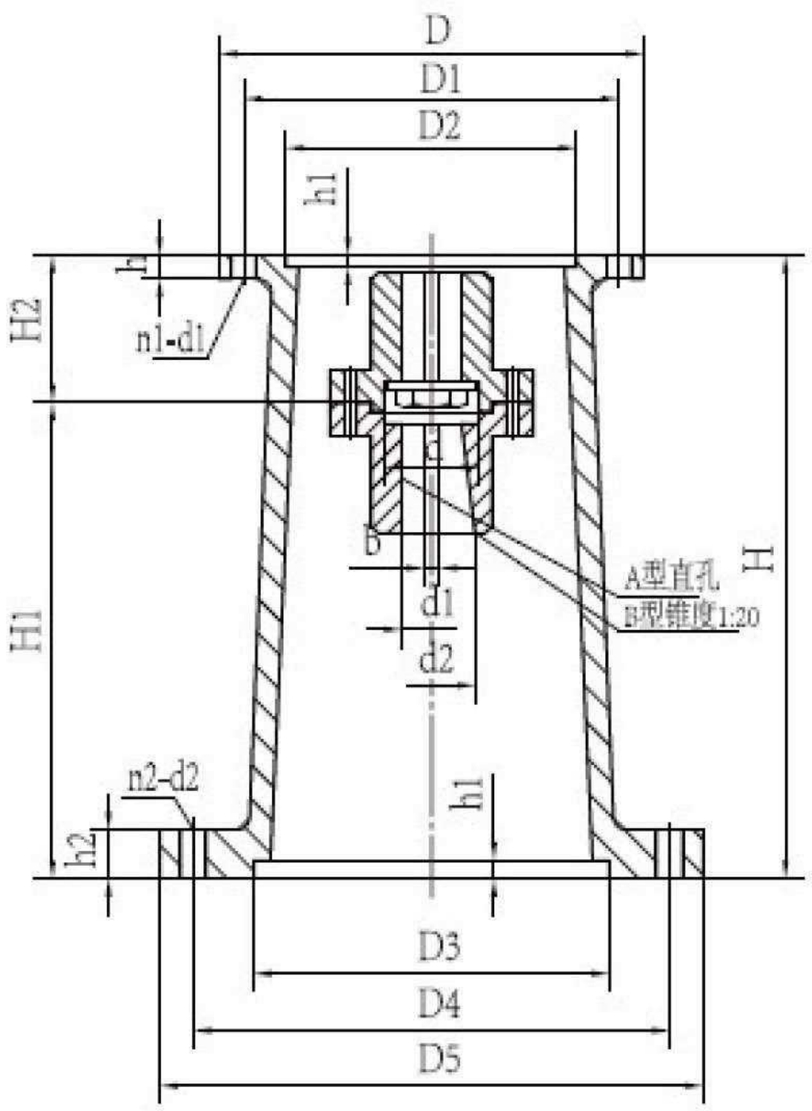
## 1.9 TJA（新标）型机架

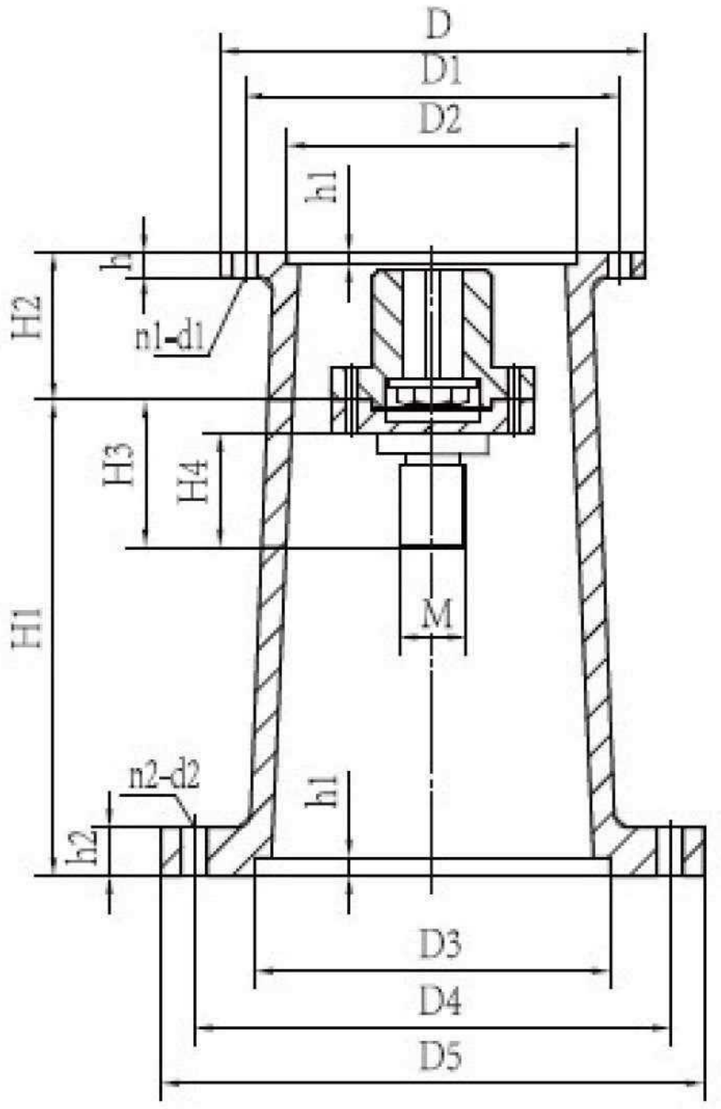



TJA 型（新标）机架主要参数及尺寸

| 机架型号 | 减速机型号 | 输入端接口 | | | | | | 输出端接口 | | | | H | H1 | D5 | D6 | D7 | D8 | n3-⌀ | n-M |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | D | D1 | D2 | h1 | f | n1-d1 | D3 | D4 | h2 | n2-d2 | | | | | | | | |
| TJA1 | B1(X3) | 230 | 200 | 170 | 16 | 5 | 6-12 | 270 | 235 | 17 | 4-12 | 215 | 115 | 115 | 60 | 110 | 140 | 4-12 | 1-10 |
| TJA2 | B2(X4) | 260 | 230 | 200 | 20 | 6 | 6-12 | 310 | 270 | 20 | 4-18 | 240 | 135 | 115 | 85 | 120 | 160 | 4-13 | 1-12 |
| TJA3 | B3(X5) | 340 | 310 | 270 | 22 | 6 | 6-14 | 370 | 320 | 22 | 4-20 | 290 | 162 | 160 | 100 | 150 | 180 | 4-18 | 1-12 |
| TJA4 | B4(X6) | 400 | 360 | 320(316) | 22 | 7 | 8-16 | 455 | 400 | 24 | 6-20 | 315 | 185 | 160 | 110 | 165 | 200 | 4-18 | 1-16 |
| TJA5 | B5(X8) | 490 | 450 | 400 | 25 | 7 | 12-18 | 545 | 495 | 26 | 8-22 | 332 | 230 | 240 | 150 | 190 | 230 | 6-18 | 1-20 |
| TJA6 | B6(X9) | 580 | 520 | 460(455) | 25 | 10 | 12-22 | 600 | 550 | 35 | 12-22 | 400 | 210 | 245 | 140 | 200 | 240 | 6-18 | 1-20 |
| TJA7 | B7(X10) | 650 | 590 | 520 | 25 | 11 | 12-22 | 680 | 620 | 35 | 12-22 | 450 | 240 | 270 | 150 | 250 | 290 | 6-27 | 1-20 |

## 1.10 JAI 大法兰机架（69 标）与 JAII 搪玻璃反应罐专用机架（69 标）




### JAI 型（69 标）无支点机架主要参数及尺寸

| 机架型号 | 减速机型号 | 输入端接口 | | | | | | 输出端接口 | | | | | H1 | H2 | H3 | H4 | d | A 型直孔 | | B 型锥孔 1：20 | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | D | D1 | D2 | h | h1 | n1-d1 | D3 | D4 | D5 | h2 | n2-d2 | | | | | | d1 | b | d2 | b |
| JAI0 | B0(X2) | 190(180) | 160 | 140(130) | 16 | 5 | 4-12(6-M10) | 165 | 210 | 250 | 16 | 6-12 | 205 | 55 | 55 | 18 | 45 | 30(25) | 8 | | |
| JAI1 | B1(X3) | 230 | 200 | 170 | 16 | 5 | 6-12 | 215 | 260 | 290 | 16 | 8-12 | 226 | 84 | 75 | 25 | 50 | 35 | 10 | 35 | 10 |
| JAI2 | B2(X4) | 260 | 230 | 200 | 20 | 6 | 6-12 | 290 | 350 | 380 | 20 | 8-14 | 250 | 96 | 90 | 30 | 70 | 45 | 14 | 50 | 14 |
| JAI3 | B3(X5) | 340 | 310 | 270 | 22 | 6 | 6-13.5 | 360 | 440 | 480 | 22 | 8-18 | 300 | 112 | 110 | 30 | 80 | 55 | 16 | 60 | 16 |
| JAI4 | B4(X6) | 400 | 360 | 320(316) | 22 | 7 | 8-15 | 440 | 530 | 580 | 25 | 8-22 | 384 | 141 | 130 | 40 | 90 | 70(65) | 20 | 70 | 20 |
| JAI5 | B5(X8) | 490 | 450 | 400 | 25 | 7 | 12-18 | 450 | 550 | 600 | 28 | 8-22 | 390 | 160 | 150 | 40 | 115 | 90 | 25 | 85 | 25 |

注：本机架配刚性联轴器，上联轴器为 JA 型直孔，下联轴器为 JA 型直孔或 B 型锥孔，锥度为 1：20。该机架无支撑，在反应器传来的轴向力不大的情况下使用。

### JAII（69 标）无支点机架，配螺纹联轴器主要参数及尺寸

| 机架型号 | 减速机型号 | 输入端接口 | | | | | | 输出端接口 | | | | | H1 | H2 | H3 | H4 | M | 反应罐容积(升) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | D | D1 | D2 | h | h1 | n1-d1 | D3 | D4 | D5 | h2 | n2-d2 | | | | | | |
| JAII1 | B1(X3) | 230 | 200 | 170 | 16 | 5 | 6-12 | 215 | 260 | 290 | 16 | 8-12 | 226 | 84 | 93 | 50 | M33×2 | 50-100 |
| | | | | | | | | | | | | | | | 120 | 60 | M42×3 | 200 |
| JAII2 | B2(X4) | 260 | 230 | 200 | 20 | 6 | 6-12 | 230 | 300 | 345 | 20 | 4-18 | 254 | 96 | 120 | 60 | M42×3 | 200-300 |
| | | | | | | | | | | | | | | | | | M48×3 | 500 |
| JAII3 | B3(X5) | 340 | 310 | 270 | 22 | 6 | 6-13.5 | 320 | 400 | 460 | 22 | 4-20 | 328 | 112 | 120 | 80 | M60×4 | 1000 |
| | | | | | | | | | | | | | | | | | M68×4 | 1500 |
| | | | | | | | | | | | | | | | | | M78×4 | 2000 |
| JAII4 | B4(X6) | 400 | 360 | 320(316) | 22 | 7 | 8-15 | 440 | 530 | 580 | 25 | 8-22 | 384 | 141 | 130 | 80 | M78×4 | 3000 |
| JAII5 | B5(X8) | 490 | 450 | 400 | 25 | 7 | 12-18 | 450 | 550 | 600 | 28 | 8-22 | 390 | 160 | 130 | 80 | M78×4 | 5000 |

注：JA4 均可配 XL7 号减速机，订货时请另注明。

机架

## 一、HL型柱销联轴器

允许联接不同轴径不同配合长度的两根轴，此时型号中轴径部分应写成分子、分母形式、如 HL$\frac{70\times95}{60\times95}$即表示上半轴器内孔 dg=70，$H_1$=95，下半联轴器内孔 dg=65，$H_1$=95、GT、DT 型类同。

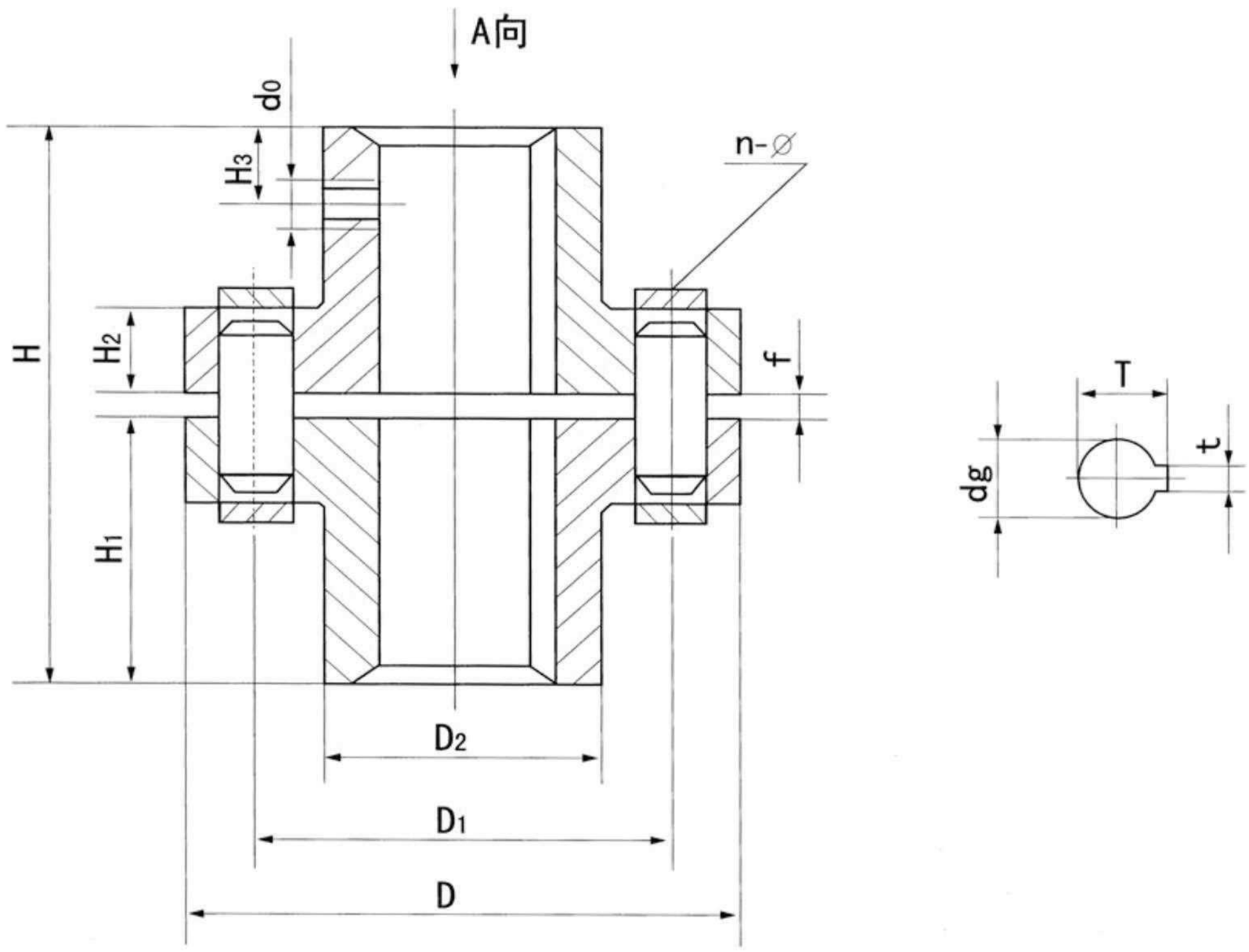



图 5-1　HL 型柱销联轴器

HL型柱销联轴器主要尺寸　　表 5-1

| 标定代号 | 孔径 dg(H7) | Mmax (Nm) | D | $D_1$ | $D_2$ | H | $H_1$ | $H_2$ | $H_3$ | f | n-φ | T | t | $d_0$ | 重量 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HL-30 | 30 | 110 | 170 | 135 | 75 | 122 | 60 | 25 | 20 | 2 | 8-20 | 33.3 | 8 | M8 | 12 |
| HL-35 | 35 | 350 | 170 | 135 | 75 | 162 | 80 | 25 | 20 | 2 | 8-20 | 38.3 | 10 | M8 | 12 |
| HL-40 | 40 | 350 | 170 | 135 | 95 | 162 | 80 | 25 | 20 | 2 | 8-20 | 43.3 | 12 | M8 | 12 |
| HL-45 | 45 | 860 | 170 | 135 | 95 | 162 | 80 | 25 | 20 | 2 | 8-20 | 48.8 | 14 | M12 | 12 |
| HL-50 | 50 | 860 | 220 | 170 | 116 | 162 | 80 | 35 | 20 | 2 | 8-30 | 53.8 | 14 | M12 | 22 |
| HL-55 | 55 | 800 | 220 | 170 | 116 | 162 | 80 | 35 | 20 | 2 | 8-30 | 59.3 | 16 | M12 | 22 |
| HL-65 | 66 | 2400 | 220 | 170 | 130 | 193 | 95 | 35 | 20 | 3 | 8-30 | 69.4 | 18 | M12 | 32 |
| HL-70 | 70 | 2400 | 220 | 170 | 130 | 193 | 95 | 35 | 20 | 3 | 8-30 | 74.9 | 20 | M12 | 32 |
| HL-80 | 80 | 4600 | 275 | 215 | 137 | 193 | 95 | 35 | 25 | 3 | 12-30 | 85.4 | 22 | M12 | 60 |
| HL-90 | 90 | 10500 | 275 | 215 | 176 | 233 | 115 | 35 | 30 | 3 | 12-30 | 95.4 | 25 | M16 | 90 |
| HL-95 | 95 | 10500 | 320 | 260 | 176 | 233 | 115 | 35 | 30 | 3 | 12-30 | 100.4 | 25 | M16 | 110 |
| HL-100 | 100 | 10500 | 320 | 260 | 186 | 273 | 135 | 35 | 35 | 3 | 12-30 | 106.4 | 28 | M16 | 110 |
| HL-110 | 110 | 17500 | 340 | 280 | 200 | 294 | 145 | 45 | 35 | 4 | 12-40 | 116.4 | 28 | M16 | 150 |
| HL-120 | 120 | 17500 | 340 | 280 | 200 | 294 | 145 | 45 | 35 | 4 | 12-40 | 127.4 | 32 | M16 | 150 |
| HL-130 | 130 | 35500 | 410 | 330 | 230 | 414 | 205 | 55 | 35 | 4 | 12-50 | 137.4 | 32 | M16 | 200 |
| HL-140 | 140 | 35500 | 410 | 330 | 230 | 414 | 205 | 55 | 35 | 4 | 12-50 | 148.4 | 36 | M16 | 200 |
| HL-150 | 150 | 40000 | 480 | 380 | 270 | 424 | 210 | 60 | 40 | 4 | 12-50 | 158.4 | 36 | M16 | 322 |
| HL-160 | 160 | 40000 | 480 | 380 | 280 | 424 | 210 | 60 | 40 | 4 | 12-50 | 169.4 | 40 | M16 | 322 |
| HL-180 | 180 | 45000 | 540 | 450 | 320 | 614 | 320 | 65 | 40 | 4 | 12-60 | 190.4 | 45 | M20 | 540 |
| HL-200 | 200 | 50000 | 540 | 450 | 340 | 614 | 320 | 65 | 40 | 4 | 12-60 | 210.4 | 45 | M20 | 540 |

## 二、GT型刚性凸缘联轴器

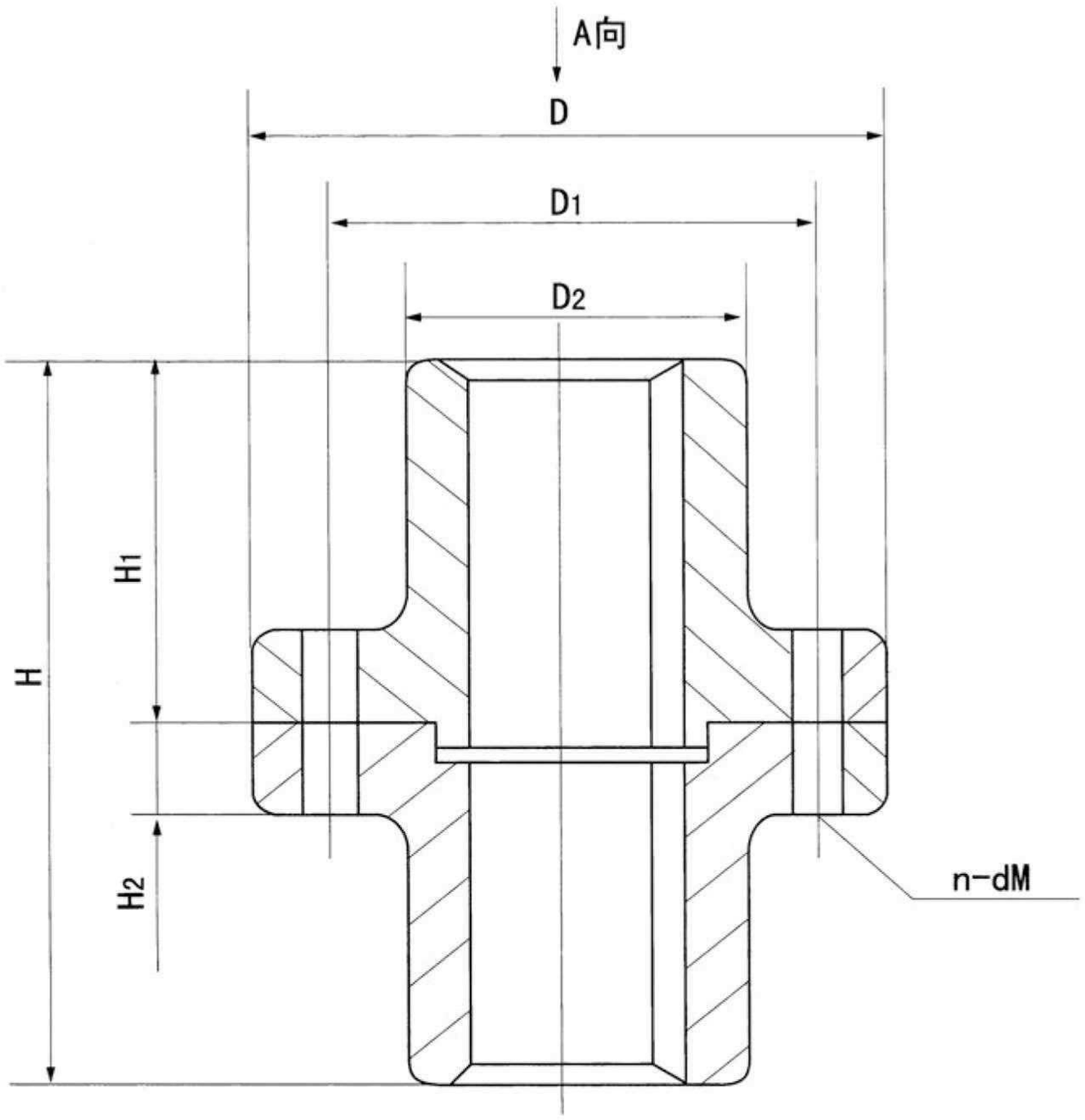



图5-2 GT刚性凸缘联轴器

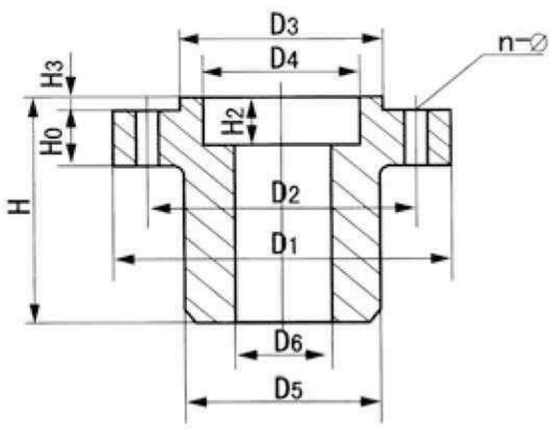
联轴器

### GT型刚性凸缘联轴器主要尺寸

表 5-2

| 标定符号 | 孔径 dg(H7) | Mmax (Nm) | 主要尺寸 | | | | | | | | | 重量 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | D | $D_1$ | $D_2$ | H | $H_1$ | $H_2$ | n-dM | T | t | |
| HL-30 | 30 | 500 | 115 | 90 | 65 | 112 | 54 | 18 | 4-M10 | 33.3 | 8 | 7 |
| HL-35 | 35 | 900 | 115 | 90 | 65 | 112 | 54 | 18 | 4-M10 | 38.3 | 10 | 10 |
| HL-40 | 40 | 1600 | 150 | 120 | 100 | 144 | 70 | 20 | 4-M12 | 43.3 | 12 | 16 |
| HL-45 | 45 | 1600 | 150 | 120 | 100 | 144 | 70 | 20 | 4-M12 | 48.8 | 14 | 16 |
| HL-50 | 50 | 2000 | 170 | 140 | 115 | 165 | 80 | 21 | 4-M12 | 53.8 | 14 | 20 |
| HL-55 | 55 | 2000 | 170 | 140 | 115 | 165 | 80 | 21 | 4-M12 | 59.3 | 16 | 20 |
| HL-65 | 66 | 4000 | 200 | 160 | 125 | 185 | 87 | 24 | 4-M16 | 69.4 | 18 | 35 |
| HL-70 | 70 | 4000 | 200 | 160 | 125 | 185 | 87 | 24 | 4-M16 | 74.9 | 20 | 35 |
| HL-80 | 80 | 7500 | 200 | 160 | 130 | 190/255 | 92/125 | 26 | 4-M16 | 85.4 | 22 | 50 |
| HL-90 | 90 | 9000 | 240 | 200 | 150 | 255 | 125 | 28 | 4-M16 | 95.4 | 25 | 75 |
| HL-95 | 95 | 9000 | 240 | 200 | 150 | 255 | 125 | 28 | 4-M16 | 100.4 | 25 | 75 |
| HL-100 | 100 | 12000 | 240 | 200 | 165 | 264 | 134 | 32 | 4-M16 | 106.4 | 28 | 110 |
| HL-110 | 110 | 18000 | 255 | 220 | 180 | 312 | 155 | 32 | 4-M18 | 116.4 | 28 | 130 |
| HL-120 | 120 | 18000 | 255 | 220 | 180 | 312 | 155 | 32 | 4-M18 | 127.4 | 32 | 155 |
| HL-130 | 130 | 28000 | 340 | 280 | 220 | 399 | 197 | 34 | 4-M18 | 137.4 | 32 | 240 |
| HL-140 | 140 | 28000 | 340 | 280 | 220 | 399 | 197 | 34 | 4-M18 | 148.4 | 36 | 272 |
| HL-150 | 150 | 29000 | 380 | 320 | 250 | 450 | 206 | 45 | 4-M20 | 158.4 | 36 | 302 |
| HL-160 | 160 | 29000 | 390 | 330 | 260 | 450 | 206 | 45 | 4-M20 | 169.4 | 40 | 325 |
| HL-180 | 180 | 31000 | 425 | 360 | 300 | 610 | 320 | 50 | 4-M24 | 190.4 | 45 | 365 |
| HL-200 | 200 | 33750 | 440 | 380 | 310 | 610 | 320 | 55 | 4-M24 | 210.4 | 45 | 392 |

## 三、JA型联轴器



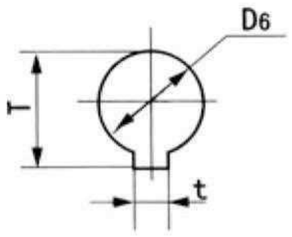
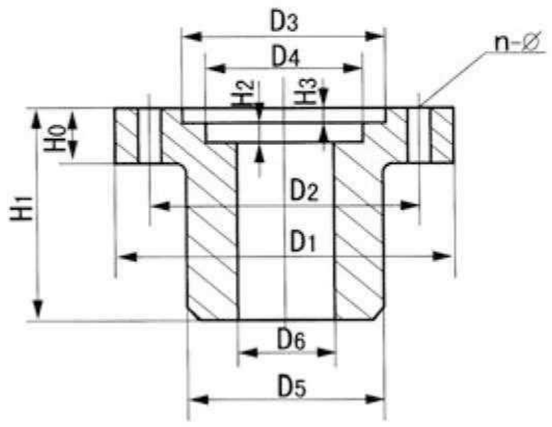




图5-3 JA型凸联轴器



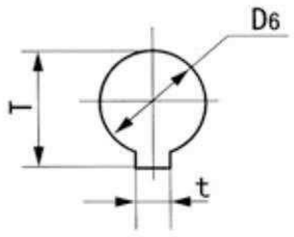
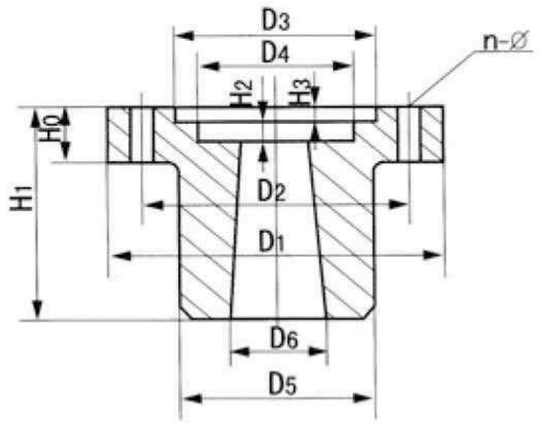




图5-4 JA型凹直孔联轴器



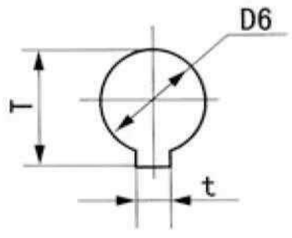




图5-5 JA型凹锥孔联轴器

### 1、JA型凸联轴器主要尺寸

表 5-3

| JA型直孔联轴（上） | $D_1$ | $D_2$ | $D_3$ | $D_4$ | $D_5$ | $D_6(H_7)$ | H | $H_0$ | $H_2$ | T | t | n-φ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JA0 | 115 | 96 | 60 | 45 | 70 | 30 | 55 | 19 | 18 | 33.3 | 8 | 4-12 |
| JA1 | 140 | 110 | 60 | 50 | 80 | 35 | 73 | 15 | 18 | 38.3 | 10 | 4-13.5 |
| JA2 | 160 | 120 | 85 | 70 | 95 | 45 | 90 | 20 | 20 | 48.3 | 14 | 4-13.5 |
| JA3 | 180 | 150 | 100 | 80 | 100 | 55 | 110 | 22 | 28 | 59.3 | 16 | 4-17.5 |
| JA4 | 200 | 165 | 110 | 90 | 125 | 70 | 136 | 28 | 29 | 74.9 | 20 | 4-17.5 |
| JA5 | 230 | 190 | 150 | 115 | 150 | 90 | 157 | 36 | 25 | 95.4 | 25 | 6-17.5 |
| JA6 | 240 | 200 | 140 | 120 | 170 | 100 | 173 | 36 | 30 | 106 | 28 | 6-17.5 |
| JA7 | 290 | 250 | 150 | 130 | 180 | 110 | 190 | 36 | 40 | 116 | 28 | 6-27 |
| JA8 | 350 | 290 | 180 | 150 | 210 | 130 | 250 | 38 | 40 | 137 | 32 | 8-27 |

### 2、JA型凹直孔联轴器主要尺寸

表 5-4

| JA型直孔联轴（上） | $D_1$ | $D_2$ | $D_3$ | $D_4$ | $D_5$ | $D_6(H_7)$ | $H_1$ | $H_0$ | $H_2$ | T | t | n-φ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JA0 | 115 | 96 | 60 | 45 | 70 | 30 | 55 | 20 | 13 | 33.3 | 8 | 4-12 |
| JA1 | 140 | 110 | 60 | 50 | 80 | 35 | 75 | 15 | 18 | 38.3 | 10 | 4-13.5 |
| JA2 | 160 | 120 | 85 | 70 | 95 | 45 | 90 | 20 | 20 | 48.3 | 14 | 4-13.5 |
| JA3 | 180 | 150 | 100 | 80 | 100 | 55 | 110 | 23 | 28 | 59.3 | 16 | 4-17.5 |
| JA4 | 200 | 165 | 110 | 90 | 125 | 70 | 136 | 32 | 29 | 74.9 | 20 | 4-17.5 |
| JA5 | 230 | 190 | 150 | 115 | 150 | 90 | 145 | 40 | 25 | 95.4 | 25 | 6-17.5 |
| JA6 | 240 | 200 | 140 | 120 | 170 | 100 | 170 | 38 | 30 | 106 | 28 | 6-17.5 |
| JA7 | 290 | 250 | 150 | 130 | 180 | 110 | 185 | 36 | 40 | 116 | 28 | 6-27 |
| JA8 | 350 | 290 | 180 | 150 | 210 | 130 | 245 | 38 | 40 | 137 | 32 | 8-27 |

### 3、JA型凹锥孔联轴器主要尺寸（锥度1：20）

表 5-5

| JA型直孔联轴（上） | $D_1$ | $D_2$ | $D_3$ | $D_4$ | $D_5$ | $D_6(H_7)$ | $H_1$ | $H_0$ | $H_2$ | T | t | n-φ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JA1 | 140 | 110 | 60 | 50 | 80 | 35 | 75 | 15 | 20 | 38.3 | 10 | 4-13.5 |
| JA2 | 160 | 120 | 85 | 70 | 95 | 50 | 90 | 20 | 25 | 53.8 | 14 | 4-13.5 |
| JA3 | 180 | 150 | 100 | 80 | 100 | 60 | 110 | 23 | 25 | 64.4 | 18 | 4-17.5 |
| JA4 | 200 | 165 | 110 | 90 | 125 | 70 | 130 | 32 | 35 | 74.9 | 20 | 4-17.5 |
| JA5 | 230 | 190 | 150 | 115 | 150 | 85 | 150 | 40 | 35 | 90.4 | 25 | 4-17.5 |
| JA6 | 240 | 200 | 140 | 120 | 170 | 100 | 170 | 38 | 40 | 106 | 28 | 6-17.5 |
| JA7 | 290 | 250 | 150 | 130 | 180 | 110 | 185 | 36 | 40 | 116 | 28 | 6-27 |
| JA8 | 350 | 290 | 180 | 150 | 210 | 130 | 245 | 38 | 40 | 137 | 32 | 8-27 |

# 四、JQ、JQW、JJQ型夹壳式联轴器（HG5-213-65）

## 1、JQ、JQW型夹壳联轴器主要尺寸

表 5-9

| 标定符号 | 孔径 | Mmax | D | L | $L_1$ ($H_8/j_7$) | $L_2$ | $L_0$ | n-$d_0$ | $d_1$ ($H_{11}/h_{11}$) | $d_2$ ($H_{11}/h_{11}$) | $a_1$ ($H_{11}$) | $b_1$ | $l_1$ | $l_2$ | R | f | b | t | 重量 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| JQ-25 | 25 | 90 | 95 | 110 | 20 | 45 | 58 | 4-12 | 32 | 20 | 5 | 4 | 35 | 60 | 0.2 | 0.4 | 8 | 28.3 | 4.47 |
| JQ-30 | 30 | 90 | 102 | 130 | 20 | 55 | 64 | 4-14 | 38 | 25 | 5 | 4 | 45 | 70 | 0.2 | 0.4 | 8 | 33.3 | 4.47 |
| JQ-35 | 35 | 236 | 118 | 162 | 20 | 71 | 80 | 6-14 | 43 | 30 | 5 | 4 | 55 | 85 | 0.4 | 0.6 | 10 | 38.3 | 7.60 |
| JQ-40 | 40 | 236 | 118 | 162 | 20 | 71 | 80 | 6-14 | 48 | 35 | 5 | 4 | 55 | 85 | 0.4 | 0.6 | 12 | 43.3 | 7.60 |
| JQ-45 | 45 | 530 | 135 | 190 | 24 | 83 | 94 | 6-14 | 57 | 37 | 6 | 5 | 70 | 100 | 0.4 | 0.6 | 14 | 48.8 | 10.85 |
| JQ-50 | 50 | 530 | 135 | 190 | 24 | 83 | 94 | 6-14 | 62 | 42 | 6 | 5 | 70 | 100 | 0.4 | 0.6 | 14 | 53.8 | 10.85 |
| JQ-55 | 55 | 530 | 135 | 190 | 24 | 83 | 94 | 6-14 | 67 | 47 | 6 | 5 | 70 | 100 | 0.6 | 1 | 16 | 59.3 | 10.85 |
| JQ-60 | 60 | 1400 | 172 | 250 | 30 | 110 | 124 | 8-18 | 73 | 50 | 8 | 6 | 100 | 130 | 0.6 | 1 | 18 | 64.4 | 25.06 |
| JQ-65 | 65 | 1400 | 172 | 250 | 30 | 110 | 124 | 8-18 | 78 | 55 | 8 | 6 | 100 | 130 | 0.6 | 1 | 18 | 69.4 | 25.06 |
| JQ-70 | 70 | 1400 | 172 | 250 | 30 | 110 | 124 | 8-18 | 83 | 60 | 8 | 6 | 100 | 130 | 0.6 | 1 | 20 | 74.9 | 25.06 |
| JQ-80 | 80 | 2650 | 185 | 280 | 38 | 121 | 138 | 8-18 | 94 | 70 | 10 | 8 | 110 | 145 | 0.6 | 1 | 22 | 85.4 | 30.16 |
| JQ-85 | 85 | 2650 | 185 | 280 | 38 | 121 | 138 | 8-18 | 99 | 75 | 10 | 8 | 110 | 145 | 0.6 | 1 | 22 | 90.4 | 30.16 |
| JQ-90 | 90 | 5200 | 230 | 330 | 38 | 146 | 164 | 8-23 | 105 | 80 | 10 | 8 | 140 | 170 | 0.6 | 1 | 25 | 95.4 | 56.38 |
| JQ-95 | 95 | 5200 | 230 | 330 | 38 | 146 | 164 | 8-23 | 110 | 85 | 10 | 8 | 140 | 170 | 0.6 | 1 | 25 | 100.4 | 56.38 |
| JQ-100 | 100 | 5200 | 230 | 330 | 38 | 146 | 164 | 8-23 | 115 | 90 | 10 | 8 | 140 | 170 | 0.6 | 1 | 28 | 106.4 | 56.38 |
| JQ-105 | 105 | 5200 | 230 | 330 | 38 | 146 | 164 | 8-23 | 120 | 95 | 10 | 8 | 140 | 170 | 0.6 | 1 | 28 | 111.4 | 56.38 |
| JQ-110 | 110 | 9000 | 260 | 390 | 46 | 172 | 190 | 8-23 | 125 | 100 | 12 | 10 | 160 | 200 | 0.6 | 1 | 28 | 116.4 | 90 |
| JQ-115 | 115 | 9000 | 260 | 390 | 46 | 172 | 190 | 8-23 | 130 | 105 | 12 | 10 | 160 | 200 | 0.6 | 1 | 32 | 122.4 | 90 |
| JQ-120 | 120 | 9000 | 260 | 390 | 46 | 172 | 190 | 8-23 | 135 | 110 | 12 | 10 | 160 | 200 | 0.6 | 1 | 32 | 127.4 | 90 |
| JQ-125 | 125 | 15000 | 280 | 440 | 54 | 193 | 210 | 10-23 | 140 | 115 | 14 | 12 | 180 | 225 | 0.6 | 1 | 32 | 132.4 | 125 |
| JQ-130 | 130 | 15000 | 280 | 440 | 54 | 193 | 210 | 10-23 | 146 | 118 | 14 | 12 | 180 | 225 | 0.6 | 1 | 32 | 137.4 | 125 |
| JQ-140 | 140 | 15000 | 300 | 440 | 54 | 193 | 230 | 10-23 | 158 | 128 | 14 | 12 | 180 | 225 | 0.6 | 1 | 36 | 148.4 | 125 |
| JQ-150 | 150 | 28000 | 340 | 500 | 64 | 218 | 260 | 10-33 | 170 | 134 | 16 | 14 | 200 | 255 | 0.6 | 1 | 36 | 158.4 | 215 |
| JQ-160 | 160 | 28000 | 340 | 500 | 64 | 218 | 260 | 10-33 | 180 | 144 | 16 | 14 | 200 | 255 | 0.6 | 1 | 40 | 169.4 | 215 |
| JQ-180 | 180 | 31000 | 380 | 600 | 72 | 244 | 300 | 10-33 | 200 | 162 | 18 | 16 | 240 | 285 | 1 | 1.5 | 45 | 190.4 | 350 |
| JQ-200 | 200 | 33750 | 420 | 640 | 80 | 280 | 340 | 10-33 | 220 | 182 | 20 | 18 | 270 | 325 | 1 | 1.5 | 45 | 210.4 | 516 |

注：JQW 型为夹壳式联轴器是 JQ 型夹宙式联轴器取消悬吊环，避免轴向重复定位的结构，可在单支点机架中使用。

## 2、JJQ型紧箍夹壳联轴器主要尺寸

表 5-10

| 孔径d | 25,30 | 35,40 | 45,50,55 | 65,70 | 80,85 | 90,95,100,105 | 110,115,120 | 125,130,140 | 150,160 | 180,200 |
|---|---|---|---|---|---|---|---|---|---|---|
| Mmax | 180 | 560 | 900 | 1400 | 3150 | 5600 | 12500 | 18000 | 28000 | 35000 |
| D | 90 | 105 | 120 | 160 | 180 | 210 | 240 | 280 | 310 | 390 |
| $D_0$ | 70 | 85 | 100 | 135 | 155 | 180 | 210 | 240 | 270 | 340 |
| $D_1$ | 55 | 70 | 85 | 115 | 135 | 160 | 185 | 210 | 240 | 300 |
| h | 16 | 20 | 24 | 30 | 36 | 40 | 45 | 50 | 55 | 60 |
| L | 130 | 162 | 190 | 250 | 280 | 330 | 390 | 440 | 500 | 640 |
| $L_1$ | 120 | 150 | 170 | 220 | 250 | 290 | 350 | 400 | 460 | 600 |
| d | M10 | M10 | M10 | M12 | M12 | M16 | M16 | M20 | M20 | M24 |
| 重量(kg) | 3.2 | 6.3 | 8.9 | 21 | 31 | 63 | 79 | 113 | 193 | 430 |

注：悬吊环及轴端的其它尺寸与 JQ 型夹壳联轴器相同轴径尺寸相同。

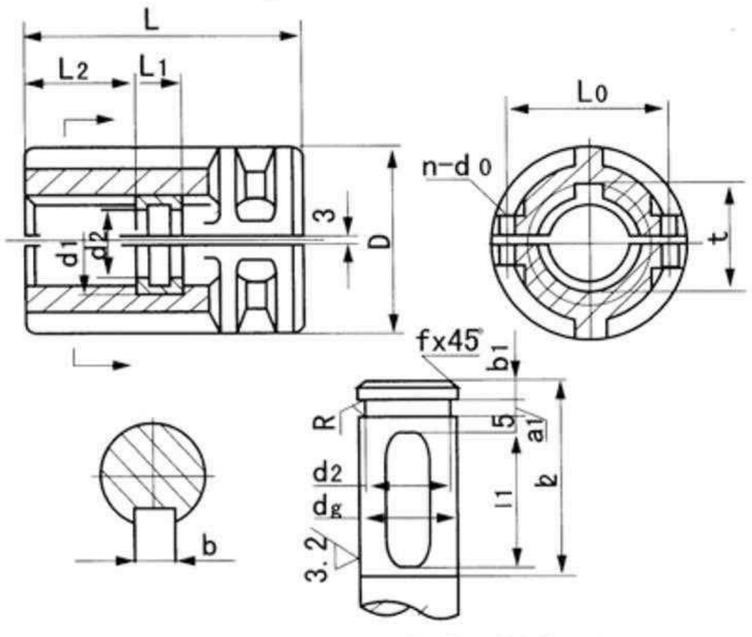



图5-9 JQ型夹壳联轴器

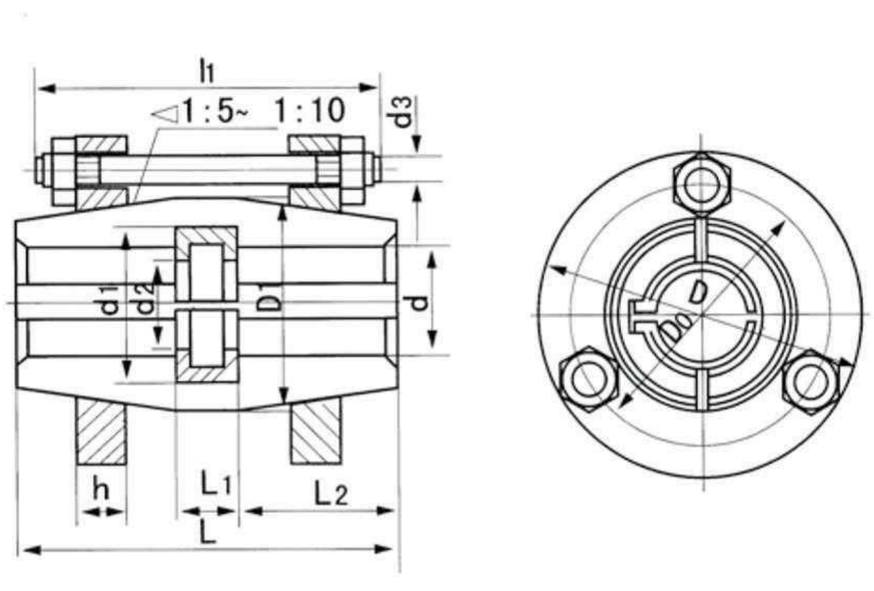
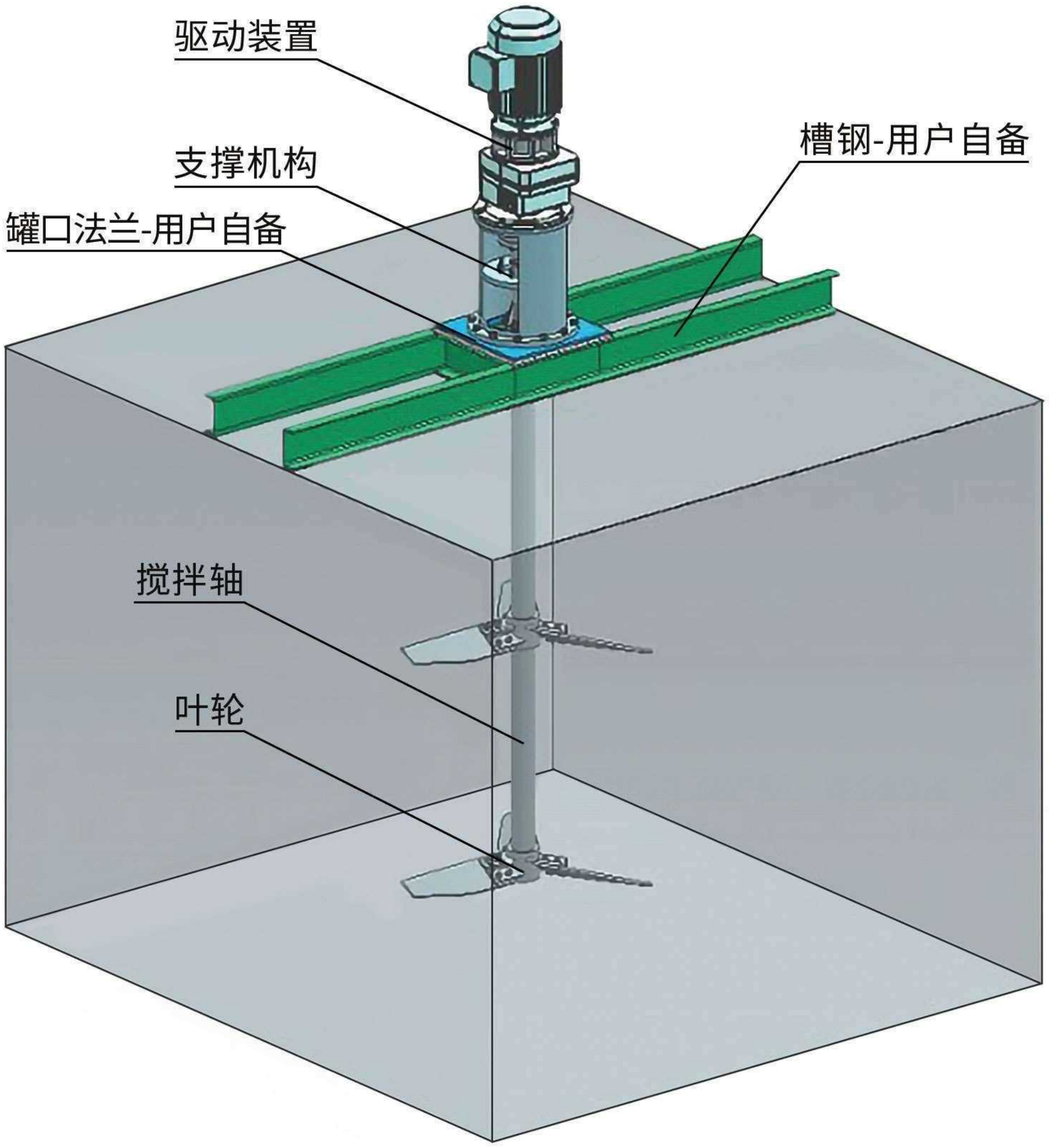



图5-10 JJQ型紧箍夹壳联轴器

# 搅拌机
# SERIES




★ 三层高密分子涂漆，
隔绝灰尘更耐高温。

★ 高端滚珠轴承，
减少摩擦提升传动效率。

★ 优质合金钢精密磨齿，
提高啮合精度保证品质。

# 搅拌机

## 1 概述

我公司所生产的搅拌机机型适用于化工搅拌以及给排水工程、污水环保水处理中的混合池、反应池与各种药剂的混合及反应过程的搅拌。其中水处理搅拌机维护简便、运行可靠、搅拌质量好、效率高、能耗低、使用寿命长，可在要求的混合时间内达到一定的搅拌强度，满足混合速度、均匀、充分等要求，而且水头损失小，并可适应水量的变化，适用于各种水量的水处理工厂。

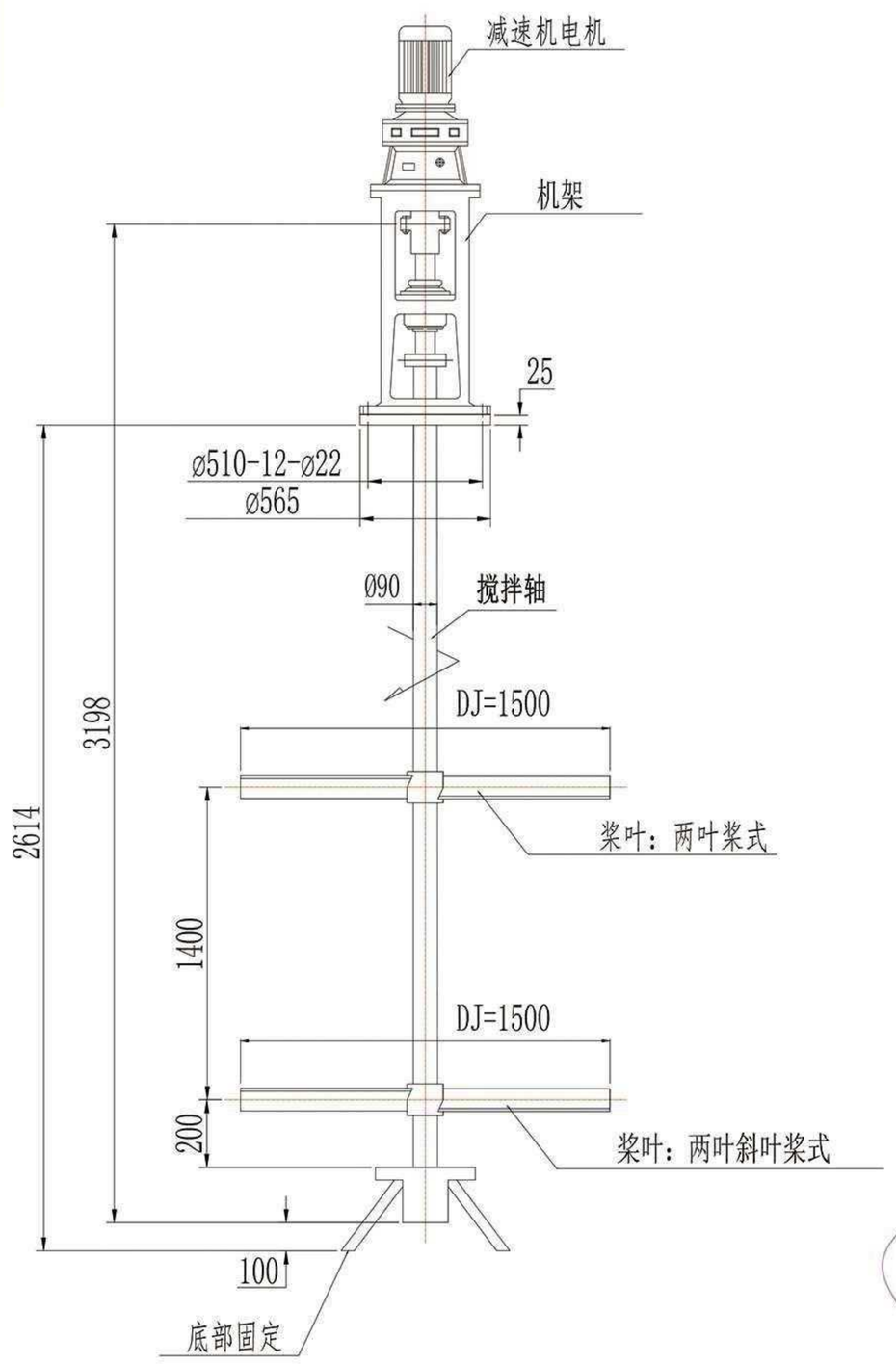
同时搅拌机为非标定制产品，是根据客户实际使用情况、搅拌介质而定制。搅拌机主机有摆线针轮减速机、齿轮减速机等多种机型。整套搅拌机一般有减速机电机、机架、搅拌轴、桨叶构成。

搅拌轴及桨叶常用材质有：碳钢、碳钢衬塑、304不锈钢、316L不锈钢等。

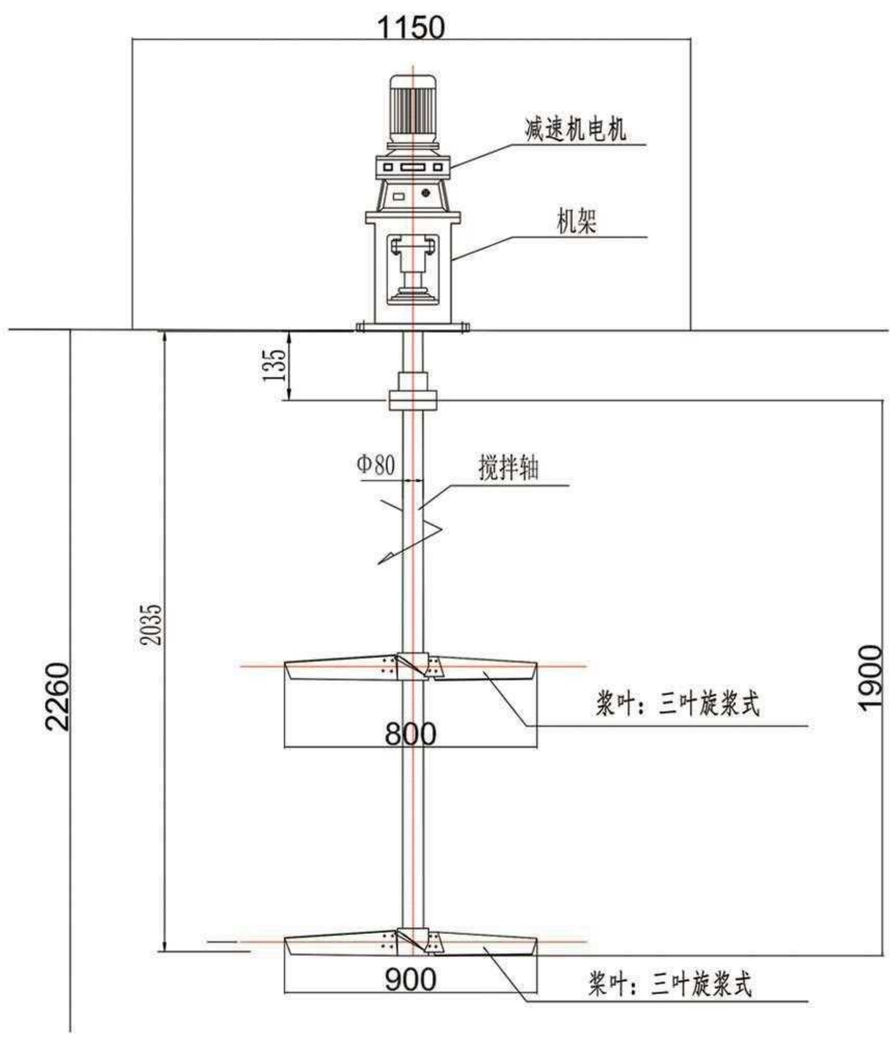
常用桨叶形状有：两叶式（单层、两层，多层）、三叶式（单层、两层、多层）、框式、锚式等。

## 2 水处理搅拌机基础外形图参考图例

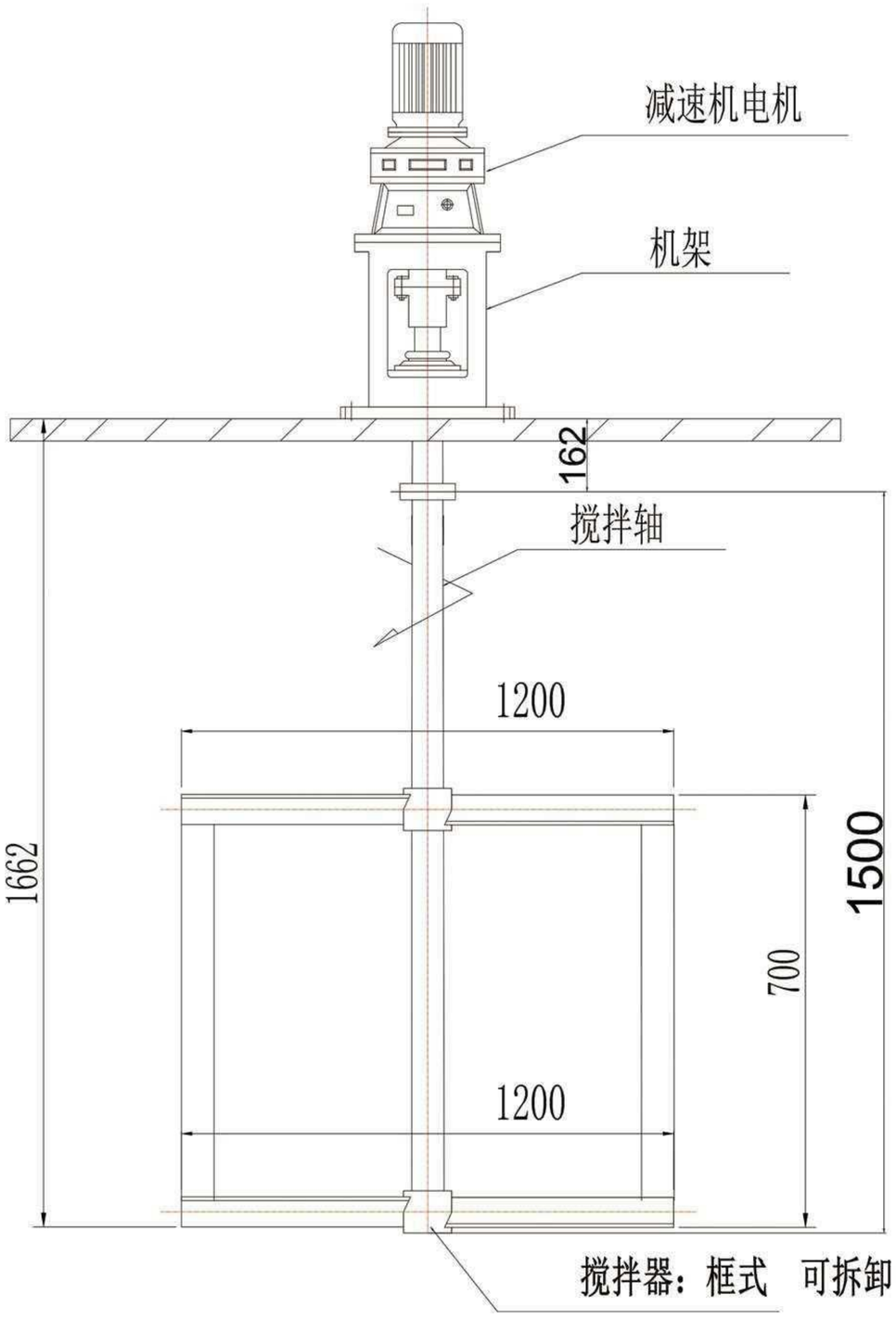





两叶式




三叶式




**框式**

## 3 水处理搅拌机配套搅拌轴及桨叶尺寸表

| 搅拌轴直径 | 搅拌轴壁厚 | 桨叶宽度 | 桨叶厚度 |
|---|---|---|---|
| 16mm | 实心 | 30mm | 3mm |
| 25mm | 3mm | 40mm | 4mm |
| 32mm | 3mm | 40mm | 5mm |
| 38mm | 3mm | 50mm | 5mm |
| 57mm | 4mm | 80mm | 6mm |
| 76mm | 4mm | 80mm | 8mm |
| 89mm | 6mm | 100mm | 10mm |
| 89mm | 6mm | 120mm（弧叶） | 10mm |
| 108mm | 6mm | 140mm（弧叶） | 10mm |
| 133mm | 6mm | 160mm（弧叶） | 10mm |

备注：搅拌尺寸根据用户实际用途制作，表中参数仅供一般水处理搅拌参考，实际生产会根据用户搅拌用途及搅拌介质不同做相应调整。

# 加药桶加药池搅拌机系列

## 1 概述

加药桶搅拌机是水处理搅拌中运用比较多的一个系列，桶材质一般为低密度聚乙烯，滚塑一次成型，具有卫生轻便、坚固耐腐蚀、耐震耐撞击、不易老化、造价低等特点。

## 2 加药桶搅拌系列

| 容器容量/尺寸 | 搅拌机型号 | 转速（r/min） | 搅拌轴轴长（m） | 叶轮直径（mm） |
|---|---|---|---|---|
| 250L(φ670*940mm) | BLD09-0.37KW | 33、41、50、63、85、131 | 0.7 | 200 |
| 400L(φ750*1070mm) | BLD09-0.55KW | 33、41、50、63、85、131 | 0.8 | 200 |
| 500L(φ800*1180mm) | BLD09-0.55KW | 33、41、50、63、85、131 | 0.9 | 200 |
| 1000L(φ1100*1370mm) | BLD09-0.75KW | 33、41、50、63、85、131 | 1.1 | 300 |
| 1500L(φ1200*1670mm) | BLD10-0.75KW | 33、41、50、63、85、131 | 1.4 | 400 |
| 2000L(φ1300*1820mm) | BLD10-1.1KW | 33、41、50、63、85、131 | 1.6 | 400 |
| 3000L(φ1620*2040mm) | BLD11-1.5KW | 33、41、50、63、85、131 | 1.8 | 500 |
| 5000L(φ1820*2330mm) | BLD11-2.2KW | 33、41、50、63、85、131 | 2.1 | 600 |

# 3　搅拌机链接方式

小型搅拌轴套连接

小型搅拌联轴器连接

小型搅拌机09#（0.75KW以下）使用轴套连接。
小型搅拌机0#（1.5KW以下）默认使用套轴连接。也可以使用联轴器连接。
中大型1#1.5KW以上推荐使用机架连接

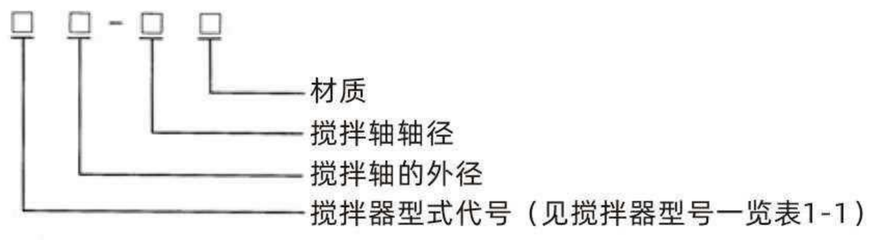
连接方式从左往右依次为
TJ型机架连接/TJA型机架连接/联轴器连接/轴套连接

# 4　常用水处理搅拌图例

# 化工搅拌机常用搅拌器（桨叶）

本公司常规生产40多种搅拌器，同时也可根据用户生产工艺需求订制各种复杂形状或特殊用途的搅拌器。

搅拌器型号标注方法：




搅拌器型号一览表

表1-1

| 序号 | 搅拌器型式名称 | 代号 | 序号 | 搅拌器型式名称 | 代号 |
|---|---|---|---|---|---|
| 001 | 平直叶整体桨式 | PJ | 022 | 三叶左旋导流筒推进式 | TVR（HVR） |
| 002 | 平直叶可拆桨式 | PCJ | 023 | 三宽叶整体旋桨式 | KHX |
| 003 | 斜叶整体桨式 | XJ | 024 | 三宽叶可拆旋桨式 | KCX |
| 004 | 斜叶可拆桨式 | ZJ | 025 | 三宽叶稳定环旋桨式 | KWX |
| 005 | 弧叶桨式 | HJ | 026 | 三窄叶整体旋桨式 | ZHX |
| 006 | 弧叶桨式带加强筋 | HCJ | 027 | 三窄叶可拆旋桨式 | ZCX |
| 007 | G型折叶桨式 | GJ | 028 | 三窄叶稳定环旋桨式 | ZWX |
| 008 | G型折叶可拆桨式 | GCJ | 029 | 螺带式 | LD |
| 009 | S型双折叶桨式 | SJ | 030 | 螺带螺杆式 | LDG |
| 010 | S型双折叶可拆桨式 | SCJ | 031 | 锥度螺带式 | ZLD |
| 011 | C型双折叶桨式 | CJ | 032 | 锥度螺带螺杆式 | ZLG |
| 012 | C型双折叶可拆桨式 | CCJ | 033 | 椭圆底框式 | KS |
| 013 | 三斜叶整体开启涡轮式 | YK（ZK） | 034 | 直角锥度框式 | KSA |
| 014 | 三斜叶可拆开启涡轮式 | YCK（ZCK） | 035 | 钝角锥底框式 | KSB |
| 015 | 三斜叶整体稳定器开启涡轮式 | YKW（ZKW） | 036 | 锚式 | MS |
| 016 | 三斜叶可拆稳定器开启涡轮式 | YCW（ZCW） | 037 | 搪玻璃专用锚式 | TS |
| 017 | 三叶左旋推进式 | TXL（HXL） | 038 | 锚框式 | MKS |
| 018 | 三叶右旋推进式 | TXR（HXR） | 039 | 锚带式 | MDS |
| 019 | 三叶左旋稳定环推进式 | TWL（HWL） | 040 | 方框式 | FKS |
| 020 | 三叶右旋稳定环推进式 | TWR（HWR） | 041 | 方栅式 | FSS |
| 021 | 三叶左旋导流筒推进式 | TVL（HVL） | 042 | 板框式 | BKS |

## 平直叶桨式搅拌器的结构与主要参数

### 1、平直叶整体桨式 PJ

### 2、平直叶可拆桨式 PCJ

此类型为最基本的一种桨型，低速时为水平环流型，层流区操作；高速时为径流型。有挡板时，功率准数值 Np 明显上升，为上下循环流，湍流加强，适用于低粘度液的混合、分散、固体悬浮、传热、液相反应等过程。μ<2000cP, n=1~100rpm,V=1~50m/s。常用规格 $D_j/D$=0.35~0.8, $h/D_j$=0.10~0.25。当 $D_j/D$=0.9 以上时可设置多层桨叶，适用于高粘度搅拌；降低桨叶离底部高度可作刮板用，防止重组份沉附底部。有用于悬浮、结晶与萃取等过程。

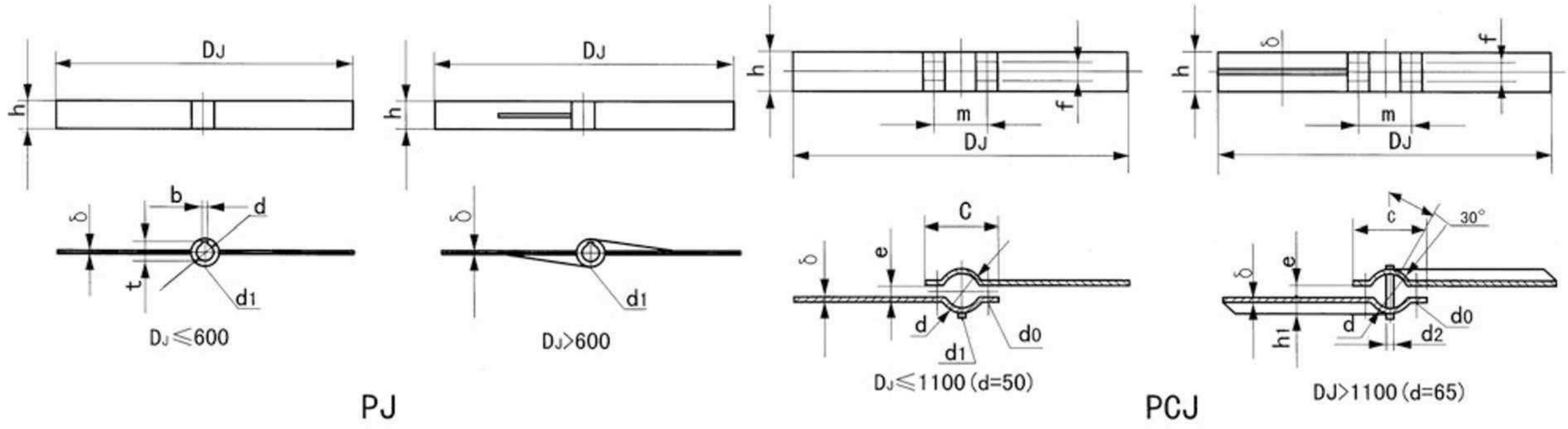



图1-2

### 平直叶浆式搅拌器主要尺寸

表1-2

| $D_1$ | d | $d_0$ | $d_1$ | $d_2$ | δ | h | $h_1$ | b | t | C | m | f | e | N/n不大于 | 重量(kg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 30 | 2-M12 | M12 | — | 10 | 40 | — | 8 | 33.3 | 120 | 85 | — | 3 | 0.01 | 1.77 |
| 400 | 30 | 2-M12 | M12 | — | 10 | 40 | — | 8 | 33.3 | 120 | 85 | — | 3 | 0.01 | 1.93 |
| 500 | 40 | 2-M12 | M12 | — | 12 | 50 | — | 12 | 43.3 | 140 | 100 | — | 3 | 0.02 | 3.38 |
| 550 | 40 | 2-M12 | M12 | — | 12 | 50 | — | 12 | 43.3 | 140 | 100 | — | 3 | 0.02 | 3.62 |
| 600 | 40 | 2-M12 | M12 | — | 12 | 60 | — | 12 | 43.3 | 140 | 100 | — | 3 | 0.025 | 4.59 |
| 700 | 50 | 4-M12 | M12 | — | 16 | 90 | — | 14 | 53.8 | 140 | 110 | 45 | 5 | 0.06 | 10.42 |
| 850 | 50 | 4-M12 | M12 | — | 16 | 90 | — | 14 | 53.8 | 140 | 110 | 45 | 5 | 0.075 | 12.11 |
| 950 | 50 | 4-M16 | M16 | — | 16 | 90 | — | 14 | 53.8 | 150 | 110 | 45 | 5 | 0.075 | 13.57 |
| 1100 | 50 | 4-M16 | M16 | — | 16 | 120 | — | 14 | 53.8 | 150 | 110 | 70 | 5 | 0.075 | 20.95 |
| 1100 | 65 | 4-M16 | M16 | 16 | 14 | 120 | 50 | 18 | 69.4 | 170 | 130 | 70 | 7 | 0.2 | 24.25 |
| 1250 | 65 | 4-M16 | M16 | 16 | 14 | 120 | 50 | 18 | 69.4 | 170 | 130 | 70 | 7 | 0.2 | 27.07 |
| 1250 | 80 | 4-M16 | M16 | 16 | 14 | 150 | 60 | 22 | 85.4 | 190 | 150 | 90 | 7 | 0.35 | 34.04 |
| 1400 | 65 | 4-M16 | M16 | 16 | 14 | 150 | 50 | 18 | 69.4 | 170 | 130 | 90 | 7 | 0.25 | 35.29 |
| 1400 | 80 | 4-M16 | M16 | 16 | 16 | 150 | 60 | 22 | 85.4 | 200 | 160 | 90 | 7 | 0.35 | 43.10 |
| 1500 | 65 | 4-M16 | M16 | 16 | 14 | 150 | 50 | 18 | 69.4 | 170 | 130 | 90 | 7 | 0.25 | 37.63 |
| 1500 | 80 | 4-M16 | M16 | 16 | 16 | 150 | 60 | 22 | 85.4 | 200 | 160 | 90 | 7 | 0.35 | 45.52 |
| 1700 | 80 | 4-M16 | M16 | 16 | 16 | 180 | 65 | 22 | 85.4 | 200 | 160 | 110 | 7 | 0.4 | 59.20 |
| 1700 | 95 | 4-M22 | M22 | 22 | 18 | 180 | 80 | 25 | 100.4 | 220 | 170 | 110 | 7 | 0.75 | 72.20 |
| 1800 | 95 | 4-M22 | M22 | 22 | 16 | 180 | 80 | 25 | 100.4 | 220 | 170 | 110 | 7 | 0.54 | 67.30 |
| 1800 | 110 | 4-M22 | M22 | 22 | 20 | 180 | 80 | 28 | 116.4 | 250 | 200 | 110 | 9 | 1.0 | 85.37 |
| 2000 | 95 | 4-M22 | M22 | 22 | 14 | 200 | 80 | 25 | 100.4 | 220 | 170 | 130 | 7 | 0.64 | 70.66 |
| 2000 | 110 | 4-M22 | M22 | 22 | 16 | 200 | 80 | 28 | 116.4 | 250 | 200 | 130 | 9 | 0.8 | 80.49 |
| 2100 | 95 | 4-M22 | M22 | 22 | 14 | 200 | 80 | 25 | 100.4 | 220 | 170 | 130 | 7 | 0.6 | 72.7 |
| 2100 | 110 | 4-M22 | M22 | 22 | 18 | 200 | 80 | 28 | 116.4 | 250 | 200 | 130 | 9 | 1.0 | 86.9 |
| 2240 | 110 | 4-M22 | M24 | 22 | 16 | 220 | 80 | 28 | 116.4 | 250 | 200 | 140 | 7 | 1.0 | 98.53 |
| 2240 | 130 | 4-M22 | M24 | 22 | 18 | 220 | 80 | 32 | 137.4 | 270 | 220 | 140 | 9 | 1.6 | 112.1 |

## 斜叶桨式搅拌器的结构与主要参数

### 3、斜叶整体桨式 XJ

### 4、斜叶可拆桨式 ZJ

此类搅拌器在水处理搅拌中经常运用，性价比高，常用45°倾角。

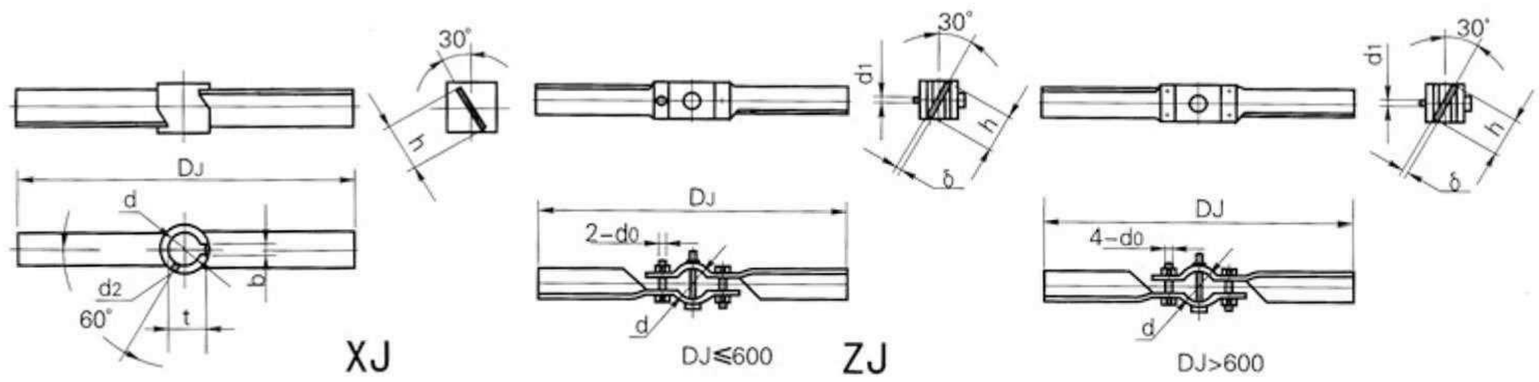



图1-3

斜叶浆式搅拌器主要尺寸

表1-3

| $D_J$ | d | h | $d_1$ | 螺栓$d_0$ | 销轴 < φ | $d_2$ | b | t | N/n不大于 | δ | 重量 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | 不锈钢、碳钢 |
| 250 | 25 | 35 | 50 | M10 | 6 | M6 | 8 | 28.3 | 0.0035 | 3/4 | 0.67/0.69 |
| 280 | 30 | 35 | 60 | | | | 8 | 33.3 | 0.005 | 4/6 | 0.83/0.84 |
| 320 | 30 | 40 | 60 | | | | 8 | 33.3 | 0.005 | 4/6 | 0.9/0.11 |
| 350 | 30 | 40 | 70 | M12 | 8 | M8 | 8 | 33.3 | 0.006 | 6/8 | 1.1/1.38 |
| | 35 | | | | | | 10 | 38.3 | | | |
| 400 | 35 | | 75 | | | | 10 | 38.3 | 0.01 | 8/10 | 1.55/1.86 |
| | 40 | | | | | | 12 | 43.3 | | | 1.56/1.88 |
| 450 | 40 | 50 | 80 | | 10 | | 12 | 43.3 | 0.015 | 10/10 | 2.53/2.98 |
| | 45 | | | | | | 14 | 48.8 | | | |
| 500 | 40 | 50 | 80 | | 10 12 | | 12 | 43.3 | | | 2.72/2.98 |
| | 45 | | | | | | 14 | 48.8 | | | |
| 550 | 40 | | 80 | | | | 12 | 43.3 | | | 2.86/2.98 |
| | 45 | | | | | | 14 | 48.8 | | | 2.96/2.98 |
| 600 | 45 | 60 | 90 | | | | 14 | 48.8 | 0.026 | 10/12 | 3.7/4.36 |
| | 55 | | | | | | 16 | 59.3 | | | |
| 700 | 50 | 70 | 100 | | | M10 | 14 | 53.8 | 0.04 | 12/14 | 6.14/6.89 |
| | 60 | | | | | | 18 | 64.4 | | | |
| 850 | 55 | 90 | 110 | | | | 16 | 59.3 | 0.053 | | 9.13/10.43 |
| | 70 | | | | 16 | | 20 | 74.9 | | | |
| 950 | 55 | | | | 12 | | 16 | 59.3 | | | 9.83/11.52 |
| | 70 | | | | 16 | | 20 | 74.9 | | | |
| 1100 | 60 | 110 | 120 | M16 | 12 | | 18 | 64.4 | 0.07 | | 13.58/15.85 |
| | | | | | 16 | | | | | | |
| | 75 | | | | | | 20 | 79.9 | | | 13.95/16.1 |
| 1200 | 70 | 120 | 130 | | | | 20 | 74.9 | 0.1 | | 18.81/21.27 |
| | 80 | | | | | | 22 | 85.4 | | | 18.95/21.35 |
| 1400 | 75 | 140 | | | | | 20 | 79.9 | 0.12 | | 24.93/28.23 |
| | 80 | | | | | | 22 | 85.4 | | | 25.09/28.41 |
| 1500 | 80 | 150 | 140 | M20 | 20 | M12 | 22 | 85.4 | 0.23 | | 30.19/34.5 |
| | 85 | | | | | | 22 | 90.4 | | | |
| 1700 | 85 | 180 | 150 | | | | 22 | 90.4 | 0.27 | | 50.93/58.5 |
| | 90 | | | | | | 25 | 95.4 | | | |
| 1800 | 90 | | 160 | | | | 25 | 95.4 | 0.38 | 16/18 | 65.24/73.4 |
| | 100 | | | | | | 28 | 106.4 | | | |
| 2000 | 95 | 200 | | | | M16 | 25 | 99.4 | | | 71.56/80.5 |
| | 100 | | | | | | 28 | 106.4 | | | |
| 2100 | 95 | 220 | 170 | | | | 25 | 99.4 | 0.5 | | 78.13/87.9 |
| | 110 | | | | | | 28 | 116.4 | | | |
| 2300 | 100 | 240 | 180 | M24 | 24 | | 28 | 106.4 | 0.65 | 18/20 | 89.64/99.6 |
| | 120 | | | | | | 32 | 127.4 | | | |
| 2500 | 110 | 250 | 190 | | | | 28 | 116.4 | 0.83 | | 104.22/115.8 |
| | 130 | | | | | | 32 | 137.4 | | | |
| 2800 | 120 | 280 | 200 | | | M20 | 32 | 127.4 | 1.0 | 20/22 | 142/158 |
| | 140 | | | | | | 36 | 148.4 | | | |
| 3150 | 130 | 315 | 210 | | | | 32 | 137.4 | 1.2 | | 178/198 |
| | 150 | | | | | | 36 | 158.4 | | | |
| 3550 | 140 | 355 | 220 | M24 | 24 | M20 | 36 | 148.4 | 1.5 | 20/22 | 224/249 |
| | 160 | | | | | | 40 | 169.4 | | | |

备注:搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 弧叶桨式搅拌器的结构与主要参数

### 5、弧叶桨式 HJ

### 6、弧叶桨式带加强筋 HCJ

弧叶桨式运用原理与斜叶桨式相似，但综合性能优于斜叶桨式，只是造价略高，在一些高性能要求的水处理搅拌中，也常会运用到。

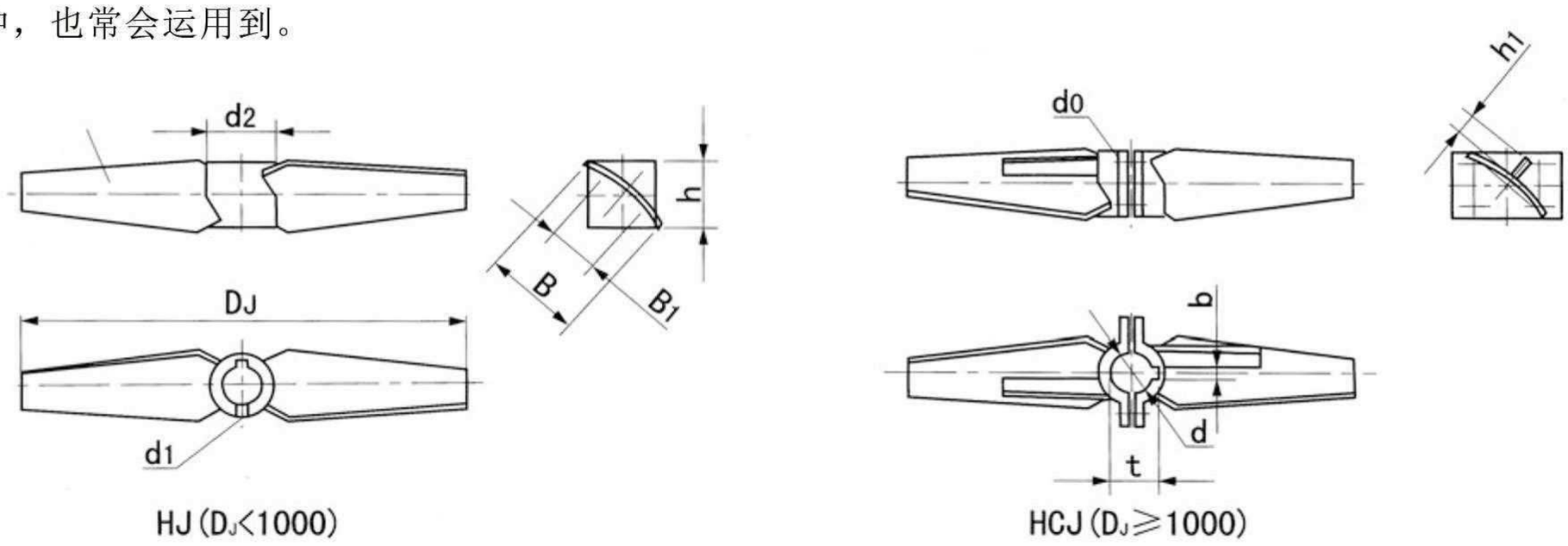



图1-4

### 弧叶桨式搅拌器主要尺寸

表1-4

| $D_J$ | d | $d_0$ | $d_1$ | $d_2$ | δ | B | $B_1$ | h | $h_1$ | b | t | 许用扭矩 M | 参考质量 G |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200 | 25 | — | M8 | 40 | 3 | 30 | 20 | 40 | — | 8 | 28.3 | 12 | 0.4 |
| 250 | 25 | — | M8 | 40 | 3 | 30 | 25 | 40 | — | 8 | 28.3 | 14 | 0.4 |
| 300 | 30 | — | M8 | 50 | 4 | 35 | 30 | 40 | — | 8 | 33.3 | 38 | 0.7 |
| 350 | 30 | — | M8 | 50 | 6 | 40 | 35 | 40 | — | 8 | 33.3 | 79 | 1.0 |
| 400 | 35 | — | M8 | 55 | 6 | 45 | 40 | 60 | — | 10 | 38.8 | 91 | 1.4 |
| 450 | 40 | — | M8 | 65 | 6 | 50 | 45 | 60 | — | 12 | 43.3 | 102 | 1.9 |
| 500 | 40 | — | M8 | 65 | 6 | 60 | 50 | 60 | — | 12 | 43.3 | 113 | 2.2 |
| 550 | 40 | — | M8 | 65 | 8 | 65 | 55 | 60 | — | 12 | 43.3 | 195 | 2.8 |
| 600 | 50 | — | M10 | 80 | 8 | 70 | 60 | 80 | — | 14 | 53.8 | 212 | 4.0 |
| 650 | 55 | — | M10 | 85 | 8 | 75 | 65 | 80 | — | 16 | 59.3 | 230 | 4.6 |
| 700 | 60 | — | M12 | 95 | 10 | 80 | 70 | 80 | — | 18 | 64.4 | 356 | 6.3 |
| 750 | 60 | — | M12 | 95 | 10 | 85 | 75 | 80 | — | 18 | 64.4 | 382 | 6.8 |
| 800 | 650 | — | M12 | 100 | 10 | 90 | 80 | 90 | — | 18 | 69.4 | 407 | 7.9 |
| 850 | 65 | — | M12 | 100 | 10 | 100 | 85 | 100 | — | 18 | 69.4 | 433 | 8.7 |
| 900 | 70 | — | M12 | 110 | 10 | 105 | 90 | 110 | — | 20 | 74.9 | 458 | 11.0 |
| 950 | 70 | — | M12 | 110 | 12 | 110 | 95 | 110 | — | 22 | 74.9 | 658 | 13.0 |
| 1000 | 80 | 4-M16 | M16 | 120 | 10 | 115 | 100 | 120 | 40 | 25 | 85.4 | 1452 | 18.3 |
| 1100 | 90 | 4-M16 | M16 | 145 | 10 | 130 | 110 | 140 | 40 | 28 | 95.4 | 1468 | 25.8 |
| 1200 | 100 | 4-M20 | M16 | 145 | 10 | 140 | 120 | 140 | 40 | 28 | 106.4 | 1485 | 27.6 |
| 1300 | 100 | 4-M20 | M16 | 145 | 12 | 150 | 130 | 140 | 50 | 28 | 106.4 | 2666 | 38.4 |
| 1400 | 110 | 4-M20 | M16 | 180 | 12 | 160 | 140 | 170 | 50 | 28 | 116.4 | 2688 | 48.9 |
| 1500 | 120 | 4-M20 | M16 | 180 | 12 | 175 | 150 | 170 | 50 | 32 | 127.4 | 2709 | 51.2 |

备注:搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 折叶桨式搅拌器的结构与主要参数

7、G型折叶桨式 GJ　　8、G型折叶可拆桨式 GCJ　　9、S型双折叶桨式 SJ

10、S型双折叶可拆桨式 SCJ　　11、C型双折叶桨式 CJ　　12、C型双折叶可拆桨式 CCJ

本类搅拌器是斜叶桨式衍生形式，都是强化了叶末端的液流状坊，湍流加强，剪切作用明显提高、对两相物性相差大的混合、分散、悬浮，传热都有增效作用，但由于桨型复杂，制造成本高，局限了一部份应用。运行条件同斜叶桨。

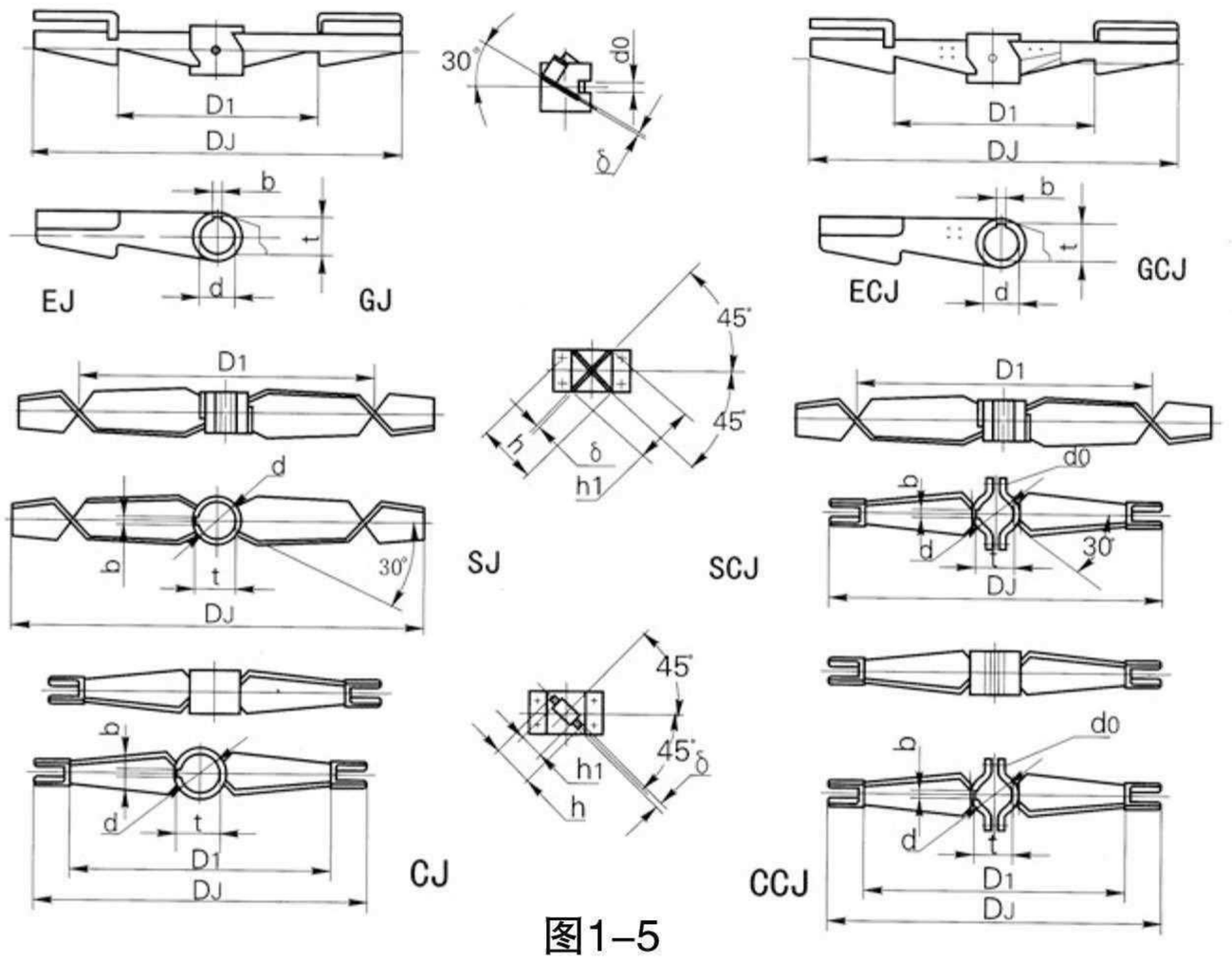



图1-5

## 折叶桨式搅拌器主要尺寸

表1-5

| $D_J$ | d | $D_1$ | h | $h_1$ | 螺栓 | b | t | N/n 不大于 | δ 不锈钢/碳钢 | 重量 不锈钢/碳钢 SCL | CCJ | GJ | GCJ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 350 | 30 | 250 | 35 | 30 | M12 | 8 | 33.3 | 0.006 | 6/8 | 1.496 / 1.655 | 1.51 / 1.67 | 2.49 / 2.88 | 3.306 / 3.66 |
| | 35 | | | | | 10 | 38.3 | | | | | | |
| 400 | 35 | 280 | 40 | | | 10 | 38.3 | 0.01 | 8/10 | 2.17 / 2.38 | 2.16 / 2.40 | 3.65 / 3.92 | 4.773 |
| | 40 | | | | | 12 | 43.3 | | | | | | |
| 450 | 40 | 310 | 45 | 38 | | 12 | 43.3 | 0.015 | 10/10 | 3.192 / 3.04 | 3.23 / 3.08 | 4.89 / 4.75 | 6.086 / 5.891 |
| | 45 | | | | | 14 | 48.8 | | | | | | |
| 500 | 40 | 350 | 50 | 40 | M12 | 12 | 43.2 | 0.015 | 10/10 | 4.06 / 3.87 | 4.12 / 3.92 | 5.45 / 5.31 | 6.649 / 6.451 |
| | 45 | | | | | 14 | 48.8 | | | | | | |
| 550 | 40 | 380 | 55 | | | 12 | 43.3 | | | 4.36 / 4.16 | 4.78 / 4.55 | 6.07 / 5.93 | 7.271 / 7.069 |
| | 45 | | | | | 14 | 48.8 | | | | | | |
| 600 | 45 | 400 | 60 | 45 | | 14 | 48.8 | 0.026 | 10/12 | 5.52 / 5.99 | 5.64 / 6.13 | 6.85 / 8.19 | 10.47 / 10.37 |
| | 55 | | | | | 16 | 59.3 | | | | | | |
| 700 | 50 | 480 | 70 | 50 | | 14 | 53.8 | 0.04 | 12/14 | 6.99 / 7.64 | 7.79 / 8.48 | 11.48 | 13.96 |
| | 60 | | | | | 18 | 64.4 | | | | | | |
| 850 | 55 | 560 | 85 | 65 | | 16 | 59.3 | 0.053 | 12/14 | 11.55 / 12.51 | 11.69 / 12.71 | 15.88 / 17.26 | 19.14 / 20.38 |
| | 70 | | | | | 20 | 74.9 | | | | | | |
| 950 | 55 | 650 | 95 | | | 16 | 59.3 | | | 13.72 / 14.98 | 13.93 / 15.23 | 18.44 / 20.23 | 21.70 / 23.35 |
| | 70 | | | | | 20 | 74.9 | | | | | | |
| 1100 | 60 | 750 | 110 | 80 | M16 | 18 | 64.4 | 0.07 | 12/14 | 19.86 / 21.56 | 20.15 / 21.91 | 24.59 / 26.99 | 28.09 / 30.33 |
| | 75 | | | | | 20 | 79.9 | | | | | | |
| 1200 | 70 | 840 | 120 | 90 | | 20 | 74.9 | 0.1 | 14/16 | 26.68 / 28.61 | 27.62 / 29.60 | 33.38 / 36.17 | 37.10 / 39.73 |
| | 80 | | | | | 22 | 85.4 | | | | | | |
| 1400 | 75 | 1000 | 140 | 100 | | 20 | 79.9 | 0.12 | 14/16 | 34.22 / 36.89 | 34.76 / 37.51 | 42.01 / 45.96 | 45.23 / 49.52 |
| | 80 | | | | | 22 | 85.4 | | | | | | |
| 1500 | 80 | 1080 | 150 | 105 | M20 | 22 | 85.4 | 0.23 | 14/16 | 42.17 / 45.23 | 42.81 / 45.96 | 48.89 / 53.78 | 53.67 / 58.34 |
| | 85 | | | | | 22 | 90.4 | | | | | | |
| 1700 | 85 | 1220 | 170 | 130 | | 22 | 90.4 | 0.27 | 14/16 | 53.69 / 57.64 | 54.54 / 58.61 | 62.58 / 68.57 | 67.72 / 73.47 |
| | 90 | | | | | 25 | 95.4 | | | | | | |
| 1800 | 90 | 1300 | 180 | 130 | | 25 | 95.4 | 0.38 | 16/18 | 64.53 | 65.56 | 78.60 / 85.02 | 84.20 / 90.38 |
| | 100 | | | | | 28 | 106.4 | | | | | | |
| 2000 | 95 | 1500 | 200 | 140 | | 25 | 99.4 | 0.38 | 16/18 | 80.83 / 86.61 | 82.15 / 88.09 | 93.01 / 101.1 | 98.61 / 106.49 |
| | 100 | | | | | 28 | 106.4 | | | | | | |
| 2100 | 95 | 1500 | 210 | 150 | | 25 | 99.4 | 0.5 | 16/18 | 90.29 / 96.65 | 91.98 / 98.52 | 104.2 / 113.3 | 110.53 |
| | 110 | | | | | 28 | 116.4 | | | | | | |
| 2300 | 100 | 1650 | 230 | 170 | M24 | 28 | 106.4 | 0.65 | 18/20 | 114.10 | 115.66 / 123.5 | 136.5 / 147.1 | 143.5 / 153.8 |
| | 120 | | | | | 32 | 127.4 | | | | | | |
| 2500 | 110 | 1800 | 250 | 180 | | 28 | 116.4 | 0.83 | 18/20 | 134.88 / 143.39 | 136.7 / 146.0 | 160.0 | 167.4 / 179.6 |
| | 130 | | | | | 32 | 137.4 | | | | | | |

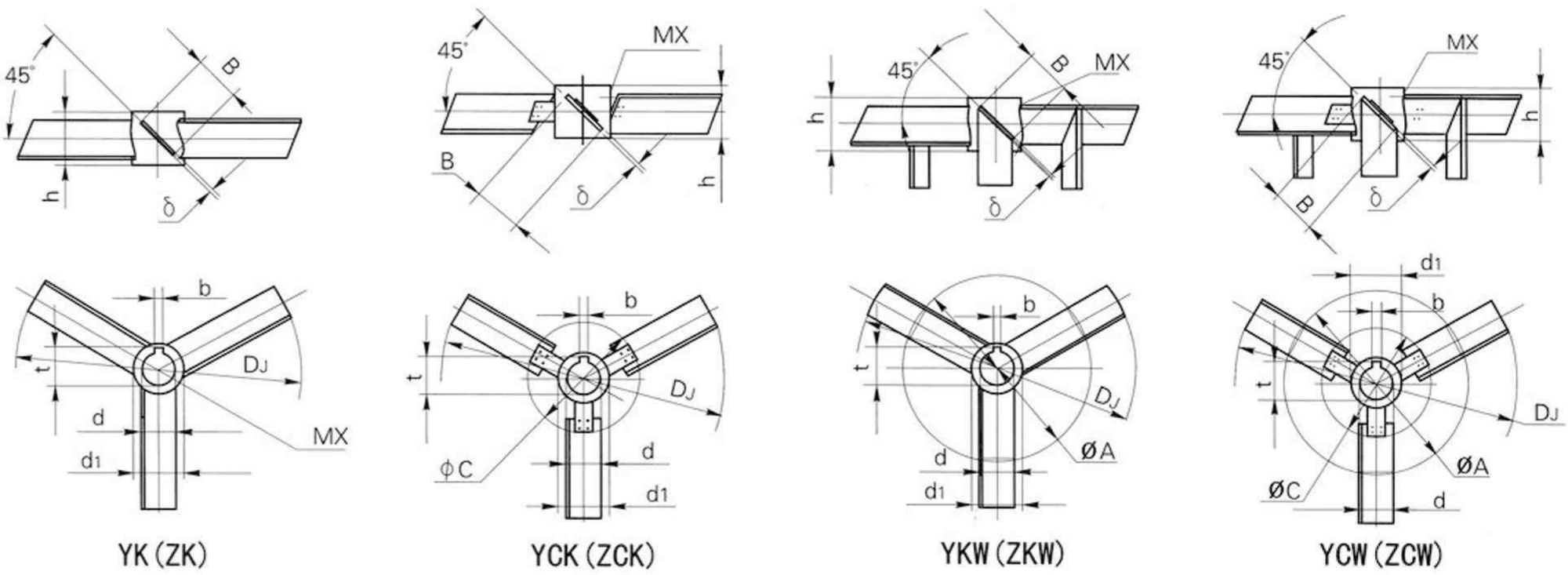
备注：搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 三斜叶开启涡轮式搅拌器的结构与主要参数

13、三斜叶整体开启涡轮式 YK　　14、三斜叶可拆开启涡轮式 YCK

15、三斜叶整体稳定器开启涡轮式 YKW　　16、三斜叶可拆稳定器开启涡轮式 YCW

本系列涡轮搅拌器有三叶、四叶、六叶，可做直叶、弯叶、斜叶，本系列在水处理搅拌中三斜叶运用较多。涡轮式流型为径向流，直叶涡轮式在有挡板时可自可自桨叶为界限形成上下两个循环流，具有高剪切力和较大的循环能力，其中直叶开启涡轮式切力最大，弯叶开启涡轮式剪切力最小，斜叶开启涡轮式居中。六直叶开启涡轮式最适合分散运用；弯叶排出性能好，不易磨损，适合固定悬浮、固体溶解。直叶涡轮式适用粘度范围$\mu<5x10^4$，$P<2000kg/m^3$，常用转速n=10~300rpm，v=4~100m/s。最高转速可达600rpm、常用尺寸$D_J/D=0.2\sim0.5$，$B/D_J=0.2$（宽形），$B/D_J=0.125$（窄形），而斜叶开启涡轮式除有径向流外还有轴向流，剪切性能介于直叶和弯叶之间，所以它综合性能较高，分散、固体、悬浮、固体溶解都能运用上，而三叶与四叶、六叶相比，功率消耗低，但搅拌能力次于四叶、六叶。在高转速情况下，四叶的稳定性优于六叶，而如果转速较低，桨叶直径较大的情况下三叶更为适用，甚至也可替代桨式搅拌运用。三斜叶开启涡轮式常用条件$\mu<50000cp$，n=10~300rpm，v=1~10m/s，$D_J/D=0.2\sim0.8$，宽形$B/D_J=0.2$，窄形$B/D_J=0.125$涡轮式首字母代号Y为宽型，Z为窄型，同时涡轮式的稳定器可制成稳定环及稳定片两种形式，如果采用稳定片，将字母代号尾字母W改为U。




YK (ZK)　YCK (ZCK)　YKW (ZKW)　YCW (ZCW)

图1-6

## 三斜叶开启涡轮式搅拌器主要尺寸

表1-6

| $D_J$ | d | $d_1$ | h | MX | b | t | φA | φC | δ（不锈钢/碳钢） | 重量（kg） | 不锈钢/碳钢 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | $B=0.2D_J$ | $B=0.125D_J$ |
| 200 | 25 | 50 | 50 | M6 | 8 | 28.3 | 130 | / | 3/4 | 1.0/1.02 | 0.745/0.754 |
| 220 | 30 | 60 | 60 | M6 | 8 | 33.3 | 150 | / | 3/4 | 1.5/1.47 | 1.209/1.204 |
| 250 | 35 | 70 | 70 | M8 | 10 | 38.3 | 170 | / | 4/6 | 2.31/2.36 | 1.943/1.98 |
| 280 | 35 | 70 | 70 | M8 | 10 | 38.3 | 190 | 1 | 4/6 | 2.44/2.54 | 1.948/2.088 |
| 320 | 40 | 75 | 75 | M8 | 12 | 43.3 | 210 | / | 6/8 | 3.47/3.59 | 2.652/2.748 |
| 360 | 40 | 75 | 75 | M8 | 12 | 43.3 | 240 | / | 6/8 | 3.8/4.01 | 2.859/3.012 |
| 400 | 45 | 80 | 80 | M10 | 14 | 48.8 | 270 | / | 8/10 | 5.09/5.36 | 3.792/3.97 |
| 450 | 50 | 85 | 85 | M10 | 14 | 53.8 | 300 | / | 8/10 | 6.12/6.5 | 4.523/4.769 |
| 500 | 55 | 90 | 90 | M12 | 16 | 59.4 | 330 | 250 | 8/10 | 10.62/11.05 | 9.17/9.32 |
| 560 | 60 | 100 | 100 | M12 | 18 | 64.4 | 370 | 260 | 10/12 | 14.55/15.07 | 12.18/12.37 |
| 630 | 65 | 105 | 105 | M12 | 18 | 69.4 | 420 | 285 | 10/12 | 17.06/17.78 | 14/14.39 |
| 710 | 70 | 110 | 110 | M12 | 20 | 74.9 | 470 | 290 | 10/12 | 20.33/21.35 | 16.61/17.09 |
| 800 | 75 | 120 | 120 | M12 | 20 | 79.9 | 530 | 320 | 12/14 | 27.75/28.93 | 21.96/22.48 |
| 900 | 80 | 130 | 130 | M12 | 22 | 85.4 | 600 | 330 | 12/14 | 34.82/36.35 | 27.41/28.1 |
| 1000 | 85 | 140 | 140 | M12 | 22 | 90.4 | 670 | 340 | 12/14 | 44.20/45.57 | 34.51/35.31 |
| 1120 | 90 | 150 | 150 | M12 | 25 | 95.4 | 750 | 350 | 14/16 | 58.48/60.60 | 44.92/45.9 |
| 1250 | 100 | 160 | 160 | M16 | 28 | 106.4 | 830 | 380 | 14/16 | 70.77/73.56 | 53.73/55.02 |
| 1400 | 110 | 180 | 180 | M16 | 28 | 116.4 | 930 | 400 | 14/16 | 92.65/96.06 | 71.02/72.54 |
| 1600 | 120 | 190 | 190 | M16 | 32 | 127.4 | 1070 | 410 | 16/18 | 125.8/130.3 | 93.08/95.07 |
| 1800 | 130 | 200 | 200 | M16 | 32 | 137.4 | 1200 | 420 | 16/18 | 154.2/160.2 | 111.2/115.2 |
| 2000 | 140 | 210 | 210 | M16 | 36 | 148.4 | 1340 | 430 | 16/18 | 185.8/194.9 | 134.3/138.3 |
| 2240 | 150 | 220 | 220 | M18 | 36 | 158.4 | 1490 | 440 | 18/20 | 252.6/261.7 | 178.3/183 |
| 2500 | 160 | 240 | 240 | M18 | 40 | 169.4 | 1660 | 460 | 18/20 | 302.8/320.3 | 224.4/230.2 |

备注：搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 三叶推进式搅拌器的结构与主要参数

17、三叶左旋推进式 TXL　　三叶焊接左旋推进式 HXL
18、三叶右旋推进式 TXR　　三叶焊接右旋推进式 HXR
19、三叶左旋稳定环推进式 TWL　　三叶焊接左旋稳定环推进式 HWL
20、三叶右旋稳定环推进式 TWR　　三叶焊接右旋稳定环推进式 HWR
21、三叶左旋导流筒推进式 TVL　　三叶焊接左旋导流筒推进式 HVL
22、三叶左旋导流筒推进式 TVR　　三叶焊接右旋导流筒推进式 HVL

三叶推进式是最典型的轴流形搅拌器,高排液量,低剪切性能;采用挡板或导流筒则轴向循环更强,排性性能明显提高,因为它循环能力强,动力消耗低,在低粘度,大容量均相、混合过程中应用最能体现它的优势,在低粘度的液体传热、反应、固液比小时的悬浮、溶解等过程中应用广泛,但造价成本较高。除三叶外也可做四叶,四叶时功率要求高于三叶。推进式常用介质, μ<2000cp,常用运转速度n=100~500rpm,v=3~15m/s,最高转速可达1750rpm,常用规格$S/D_J$ =1或2,$D_J/D$=0.2~0.5。

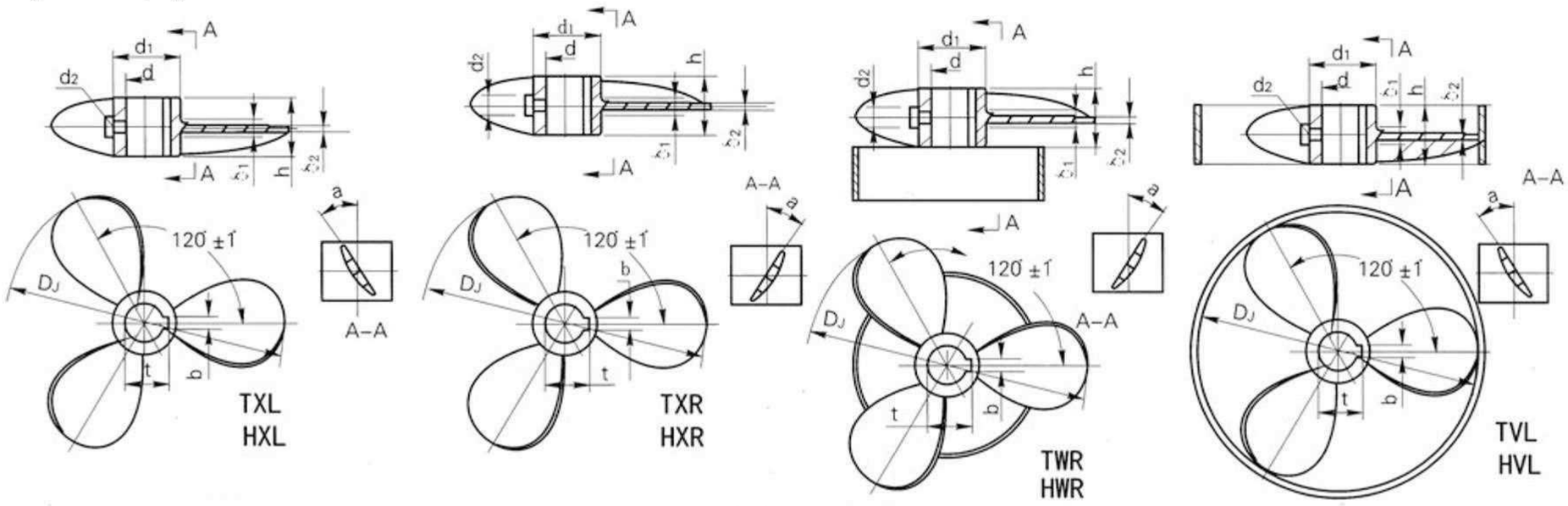



图1-7

## 三叶推进式搅拌器主要尺寸

表1-7

| $D_J$ | d | $d_1$ | $d_2$ | a | h | 键槽 b | 键槽 t | 许用扭矩 N.m | $\delta_1$ | $\delta_2$ | 重量 不锈钢/碳钢 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 150 | 25<br>30 | 60 | M12 | 49°2' | 45 | 8 8 | 28.3<br>33.3 | 47.75 | 12/10 | 6/5 | 1.32/1.25<br>1.23/1.16 |
| 200 | 30<br>35 | 60 | M12 | 43°18' | 55 | 8 10 | 33.3<br>38.3 | 47.75 | 12/10 | 6/5 | 2.12/1.93<br>2.01/1.81 |
| 250 | 35<br>40 | 80 | M12 | 41°20' | 60 | 10 12 | 38.3<br>43.3 | 95.5 | 12/10 | 6/5 | 3.23/2.93<br>3.09/2.79 |
| 300 | 35 | 80 | M12 | 39°57' | 65 | 10 | 38.3 | 143 | 12/12 | 7/6 | 5.38/5.23 |
| | | | | | | 12 | 43.3 | | | | 4.9/4.75 |
| | | | | | | 14 | 48.8 | | | | 4.75/4.6 |
| 400 | 45<br>50<br>55 | 90 | M16 | 38°9' | 85 | 14 | 48.8 | 296 | 14/14 | 8/8 | 10/10 |
| | | | | | | 14 | 53.8 | | | | 9.77/9.77 |
| | | | | | | 16 | 59.3 | | | | 9.49/9.49 |
| 500 | 55<br>60<br>65 | 110 | M16 | 37°1' | 105 | 16 | 59.3 | 592 | 18/18 | 10/10 | 20.43/20.43 |
| | | | | | | 18 | 64.4 | | | | 20.05/20.05 |
| | | | | | | 18 | 69.4 | | | | 19.65/19.65 |
| 600 | 60<br>65<br>70 | | M20 | 34°15' | 125 | 18 | 64.4 | 955 | 20/22 | 10/12 | 27.95/30.3 |
| | | | | | | 18 | 69.4 | | | | 27.47/29.81 |
| | | | | | | 20 | 74.9 | | | | 26.94/19.65 |
| 700 | 70<br>75<br>80 | 140 | M20 | 32°9' | 150 | 20 | 74.9 | 1432 | 22/22 | 12/12 | 40.78/40.78 |
| | | | | | | 20 | 79.9 | | | | 40.11/40.11 |
| | | | | | | 22 | 85.4 | | | | 39.38/39.38 |
| 850 | 80<br>90<br>100 | 160 | M20 | 30°36' | 160 | 22 | 85.4 | 1608 | 24/25 | 14/14 | 64/72 |
| | | | | | | 25 | 95.4 | | | | |
| | | | | | | 28 | 106.4 | | | | |
| 950 | 80<br>90<br>100 | | M20 | 27°53' | 160 | 22 | 85.4 | 2101 | 25/28 | 15/15 | 91/102 |
| | | | | | | 25 | 95.4 | | | | |
| | | | | | | 28 | 106.4 | | | | |
| 1200 | 100 110 | 160 | M20 | 22° 43' | 160 | 28 28 | 106.4<br>116.4 | 3342 | — | — | 121/135 |
| 1500 | 110 120 | 180 | M24 | 20°39' | 180 | 28 32 | 116.4<br>127.4 | 3915 | — | — | 190/211 |
| 1800 | 120 130 | 200 | M24 | 19°14' | 200 | 32 32 | 127.4<br>137.4 | 5539 | — | — | 245/271 |
| 2000 | 130<br>140<br>150 | 220 | M30 | 19°4' | 220 | 32 36 | 137.4<br>148.4 | 7640 | — | — | 316/345 |
| | | | | | | 36 | 158.4 | | | | |

备注:搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 三宽叶旋桨式搅拌器的结构与主要参数

### 23、三宽叶整体旋桨式 KHX
### 24、三宽叶可拆旋桨式 KCX
### 25、三宽叶稳定环旋桨式 KWX

旋桨式搅拌器的桨叶前部桨面与运动方面的倾角是连续变化的（与推进式桨一样），桨叶后部份像斜叶桨面一样有一个固定倾角，所以它综合了推进式桨和斜叶涡轮式桨的特性，是一种应用广泛的搅拌器，它类似推进式属轴流形，循环能力大，动少消耗小，又像斜中的涡轮桨剪切性能得到了提高，因此它的适用范围比较大。低粘液体混合、分散、溶解、固体悬浮、结晶、传热、液相反应等过程都适用，在一些气体吸收过程也得到了应用，三宽叶旋桨式是较普通使用的型式，常用介质粘度范围 μ<10000cP，常用运转速度 n=30~500rpm，V=3~15m/s，常用尺寸 $D_J/D=0.2\sim0.5$，$B/D_J=0.4$（宽），常用左旋，可做成右旋。

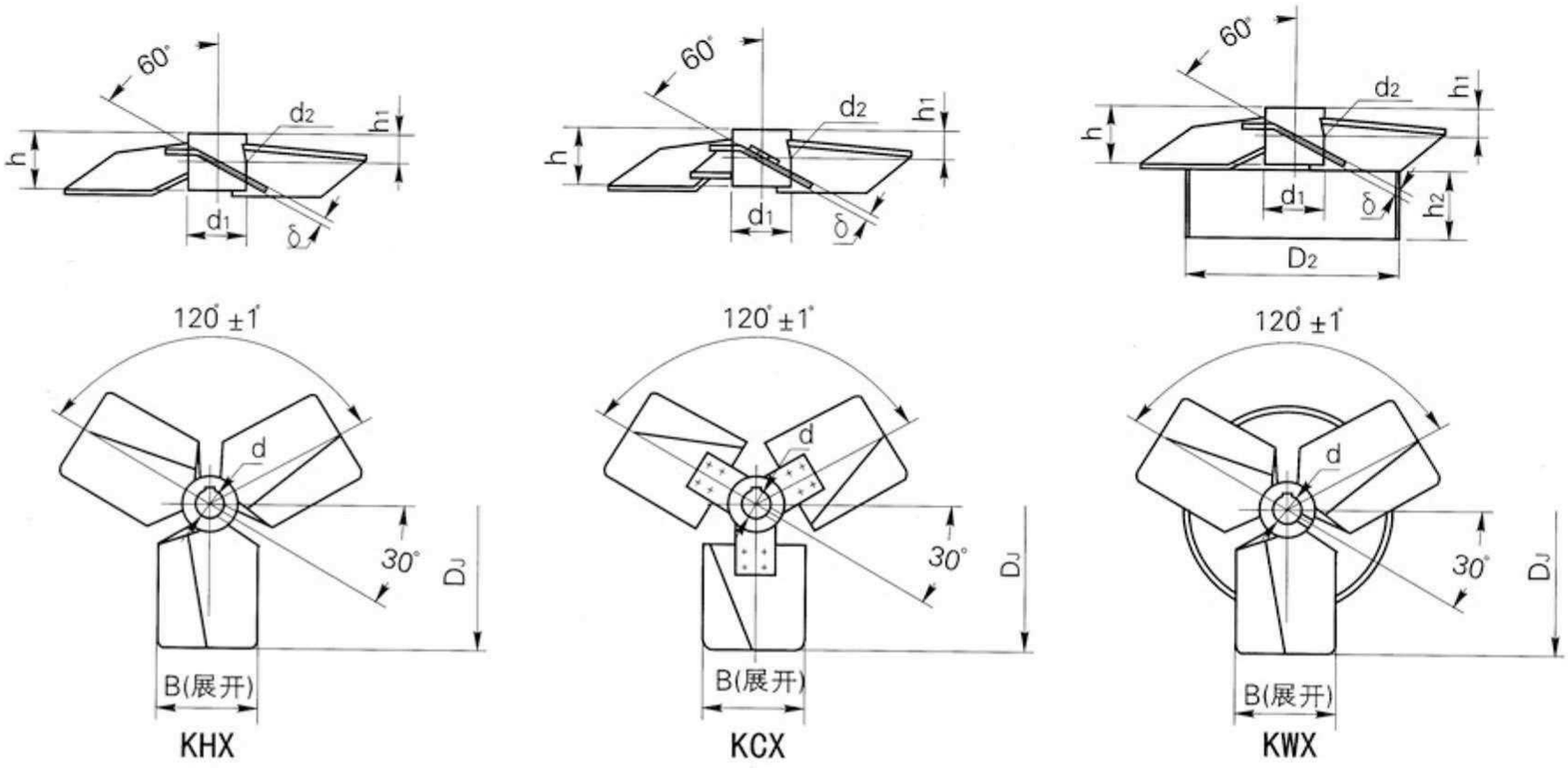



图1-8

搅拌器

### 三宽叶旋桨式搅拌器主要尺寸

表1-8

| $D_J$ | d | $d_1$ | h | B | $h_1$ | $d_2$ | $h_2$ | $D_2$ | δ | 重量（kg）（不锈钢/碳钢） | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 不锈钢/碳钢 | KHX | KCX | KWX |
| 200 | 25 | 50 | 50 | 80 | 20 | M6 | 50 | 135 | 4/6 | 1.168/1.411 | 2.018/2.231 | 1.838/2.41 |
| 220 | 30 | 60 | 60 | 80 | 20 | M6 | 55 | 150 | 5/6 | 1.89/1.981 | 2.182/3.234 | 2.913/3.202 |
| 250 | 35 | 70 | 70 | 100 | 20 | M8 | 60 | 170 | 5/6 | 2.723/2.847 | 4.304/4.274 | 3.99/4.356 |
| 280 | 40 | 75 | 75 | 112 | 20 | M8 | 65 | 190 | 5/6 | 3.285/3.45 | 5.32/5.393 | 4.818/5.277 |
| 320 | 45 | 80 | 80 | 128 | 25 | M8 | 70 | 215 | 5/6 | 4.065/4.3 | 6.221/6.363 | 5.933/6.529 |
| 360 | 50 | 85 | 85 | 144 | 25 | M8 | 80 | 240 | 5/6 | 4.886/5.207 | 7.172/7.175 | 7.02/7.752 |
| 400 | 55 | 90 | 90 | 160 | 25 | M10 | 90 | 270 | 6/8 | 6.398/7.377 | 10.21/11.04 | 10.02/12.17 |
| 450 | 60 | 100 | 100 | 180 | 25 | M10 | 100 | 300 | 6/8 | 8.515/9.734 | 12.63/13.69 | 12.98/15.65 |
| 500 | 65 | 105 | 105 | 200 | 25 | M12 | 105 | 335 | 6/8 | 10.286/11.82 | 14.72/16.11 | 15.54/18.76 |
| 560 | 70 | 110 | 110 | 224 | 25 | M12 | 110 | 375 | 8/10 | 14.29/16.36 | 19.75/21.61 | 22.48/26.53 |
| 630 | 75 | 120 | 120 | 252 | 30 | M12 | 120 | 420 | 8/10 | 18.58/21.11 | 24.4/26.39 | 28.59/33.54 |
| 710 | 80 | 130 | 130 | 284 | 30 | M12 | 130 | 475 | 10/12 | 27.66/31.06 | 33.81/26.39 | 42.99/49.33 |
| 800 | 85 | 140 | 140 | 320 | 30 | M12 | 140 | 535 | 10/12 | 35.28/39.38 | 43.02/46.79 | 53.87/61.56 |
| 900 | 90 | 150 | 150 | 360 | 30 | M12 | 145 | 600 | 12/14 | 51.79/57.18 | 60.07/65.10 | 77.7/87.27 |
| 1000 | 100 | 160 | 160 | 400 | 30 | M12 | 150 | 670 | 12/14 | 61.88/68.46 | 70.97/77.19 | 91.81/103.19 |
| 1120 | 110 | 180 | 180 | 448 | 30 | M12 | 155 | 750 | 14/16 | 90.53/98.49 | 101.8/109.3 | 130.9/144.4 |
| 1250 | 120 | 190 | 190 | 500 | 30 | M16 | 160 | 840 | 14/16 | 110.6/120.7 | 122.3/132 | 157.3/173.8 |
| 1400 | 130 | 200 | 200 | 560 | 30 | M16 | 170 | 940 | 16/18 | 151.2/164.1 | 163.6/175.9 | 214.6/235.1 |
| 1600 | 140 | 210 | 210 | 640 | 30 | M16 | 180 | 1070 | 16/18 | 193.2/210.5 | 206.1/222.8 | 269.7/296 |
| 1800 | 150 | 220 | 220 | 720 | 35 | M16 | 190 | 1200 | 18/20 | 266.2/288.3 | 281.9/303.4 | 368.1/400.8 |
| 2000 | 160 | 240 | 240 | 800 | 35 | M16 | 220 | 1340 | 18/20 | 334.4/361.8 | 351.2/377.8 | 466.1/507.2 |
| 2240 | 170 | 250 | 250 | 896 | 35 | M18 | 240 | 1500 | 20/22 | 453.4/488.2 | 469.5/503.5 | 632.2/683.5 |
| 2500 | 180 | 260 | 260 | 1000 | 40 | M18 | 250 | 1670 | 20/22 | 559/602.9 | 575.4/618.4 | 766.2/829.5 |

备注：搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 三窄叶旋桨式搅拌器的结构与主要参数

### 26、三窄叶整体旋桨式 ZHX　　27、三窄叶可拆旋桨式 ZCX
### 28、三窄叶稳定环旋桨式 ZWX

三窄叶旋桨式搅拌器也是常用的旋桨式搅拌器，性能、应用都相似，相对于宽叶旋桨式，它的排出流量小些，输入入功率小些，但造价成本低于宽型，是高效水处理搅拌运用的首选，虽然造价成本高于斜叶桨式、弧面桨式、三叶开启涡轮式，但综合性能略高于它们。常用介质粘度范围 μ<10000cP，常用转速 n=60~500rpm，常用尺寸 $D_J/D=0.2\sim0.5$，$B/D_J=0.2$，常用左旋，可制成右旋。

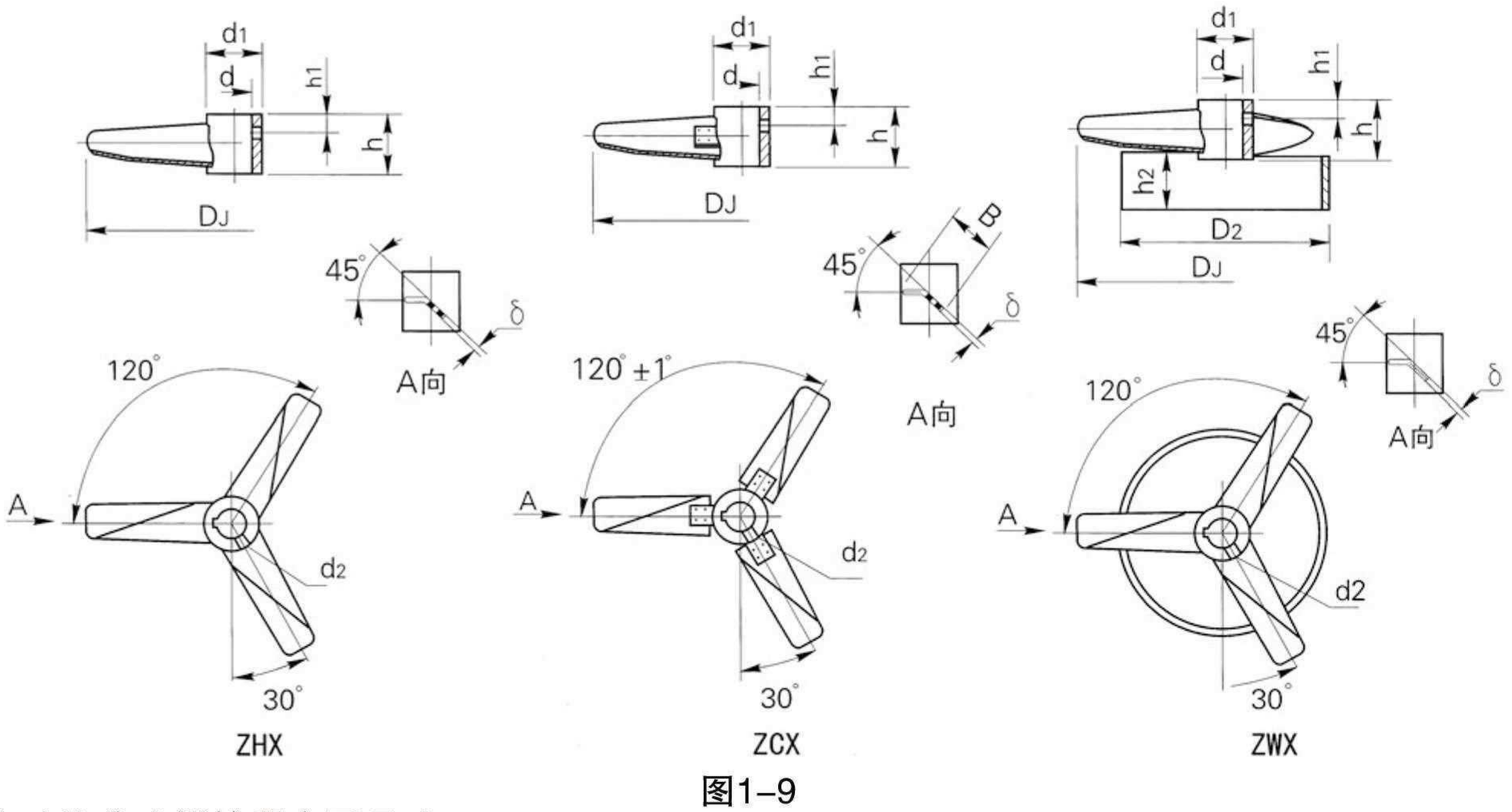



图1-9

### 三窄叶旋桨式搅拌器主要尺寸　　表1-9

| $D_J$ | d | $d_1$ | h | B | $h_1$ | $d_2$ | $H_2$ | $D_2$ | δ | 重量(kg)(不锈钢/碳钢) | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | 不锈钢/碳钢 | ZHX | ZWX | ZCX |
| 200 | 25 | 50 | 50 | 40 | 20 | M6 | 30 | 135 | 3/4 | 0.97/0.98 | 1.272/1.380 | 1.57/1.58 |
| 220 | 30 | 60 | 60 | 44 | 20 | M6 | 35 | 150 | 3/4 | 1.5/1.47 | 1.891/1.988 | 2.4/2.37 |
| 250 | 35 | 70 | 70 | 50 | 20 | M8 | 38 | 170 | 4/6 | 2.25/2.30 | 2.891/3.256 | 3.48/3.53 |
| 280 | 35 | 70 | 70 | 56 | 20 | M8 | 42 | 190 | 4/6 | 2.38/2.48 | 3.172/3.661 | 3.61/3.71 |
| 320 | 40 | 75 | 75 | 64 | 25 | M8 | 50 | 215 | 6/8 | 3.38/3.5 | 4.981/5.621 | 5.06/5.18 |
| 360 | 40 | 75 | 75 | 72 | 25 | M8 | 55 | 240 | 6/8 | 3.71/3.92 | 5.676/6.524 | 5.39/5.6 |
| 400 | 45 | 80 | 80 | 80 | 25 | M10 | 60 | 270 | 8/10 | 5.09/5.36 | 8.306/9.355 | 6.8/7.07 |
| 450 | 50 | 85 | 85 | 90 | 25 | M10 | 70 | 300 | 8/10 | 6.03/6.41 | 10.2/11.59 | 7.92/8.3 |
| 500 | 55 | 90 | 90 | 100 | 25 | M12 | 75 | 335 | 8/10 | 7.2/7.63 | 12.19/13.83 | 10.62/11.05 |
| 560 | 60 | 100 | 100 | 112 | 25 | M12 | 85 | 375 | 10/12 | 10.83/11.35 | 18.74/20.78 | 14.55/15.07 |
| 630 | 65 | 105 | 105 | 126 | 30 | M12 | 95 | 420 | 10/12 | 13.19/13.91 | 23.09/25.72 | 17.06/17.78 |
| 710 | 70 | 110 | 110 | 142 | 30 | M12 | 105 | 475 | 10/12 | 15.44/16.46 | 27.82/31.22 | 20.33/21.35 |
| 800 | 75 | 120 | 120 | 160 | 30 | M12 | 120 | 535 | 12/14 | 22.5/23.68 | 41.62/45.87 | 27.75/28.93 |
| 900 | 80 | 130 | 130 | 180 | 30 | M12 | 135 | 600 | 12/14 | 29.24/30.77 | 53.36/58.76 | 34.82/36.35 |
| 1000 | 85 | 140 | 140 | 200 | 30 | M12 | 150 | 670 | 12/14 | 37.03/38.4 | 66.961/73.13 | 44.2/45.57 |
| 1120 | 90 | 150 | 150 | 224 | 30 | M12 | 165 | 750 | 14/16 | 50.77/52.89 | 93.77/101.12 | 58.48/60.6 |
| 1250 | 100 | 160 | 160 | 250 | 30 | M16 | 190 | 840 | 14/16 | 62.37/72.67 | 126.2/136.5 | 70.77/73.56 |
| 1400 | 110 | 180 | 180 | 280 | 30 | M16 | 210 | 940 | 14/16 | 82.09/85.5 | 150.68/163.39 | 92.65/96.06 |
| 1600 | 120 | 190 | 190 | 320 | 30 | M16 | 240 | 1070 | 16/18 | 114.77/119.23 | 216.7/233.2 | 125.84/130.3 |
| 1800 | 130 | 200 | 200 | 360 | 35 | M16 | 270 | 1200 | 16/18 | 142.5/148.5 | 271.2/292.3 | 154.2/160.2 |
| 2000 | 140 | 210 | 210 | 400 | 35 | M16 | 300 | 1340 | 16/18 | 173.59/182.60 | 333.2/361.1 | 185.8/194.9 |
| 2240 | 150 | 220 | 220 | 448 | 35 | M18 | 335 | 1500 | 18/20 | 238.53/247.63 | 463.0/495.5 | 252.6/261.7 |
| 2500 | 160 | 240 | 240 | 500 | 40 | M18 | 375 | 1670 | 18/20 | 287.68/305.16 | 567.4/614 | 302.8/320.3 |

备注:搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 螺带螺杆式搅拌器的结构与主要参数

29、螺带式 LD
30、螺带螺杆式 LDG
31、锥度螺带式 ZLD
32、锥度螺带螺杆式 ZLG

本类搅拌器为慢速型搅拌器，常在层流区操作，液体沿着螺旋面上升或下降形成轴向的上下循环，适用于中高粘度液体的混合和传热等过程。常用介质粘度 $\mu<10^5$cP，常用转速 n=0.5~50rpm，v=2m/s。LD 螺带式搅拌器的螺带外廓接近于搅拌槽内壁，搅拌直径大，强化了进罐壁的液体的上下循环，高粘度液体的传热过程很适用。LDG 螺带螺杆组合式，同时具有螺杆和螺带的特性，强化了液体内外围的循环，特别对非牛顿型似塑性及粘弹性液体有效。ZLD 锥底螺带型，ZLD 锥底螺带螺杆型，其特点是底形可和锥形釜底相配，可按要求设计。

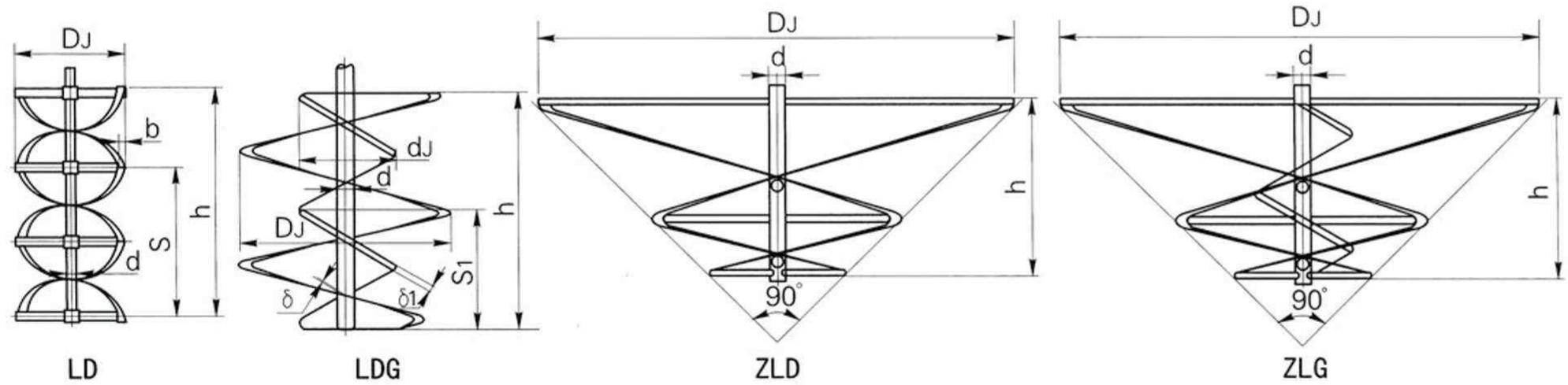



图1-9



## 螺带螺杆式搅拌器主要尺寸

表1-9

| $D_J$ | d | $d_1$ | b | S | S1 | δ | $\delta_1$ | h | ϕ | 重量(kg) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | LD | LDG | ZLD | ZLG |
| 285 | 40 | 80 | 25 | 285 | 80 | 4 | 2 | 285 | 14 | 5.725 | 5.839 | 4.32 | 5.14 |
| 380 | 50 | 100 | 30 | 380 | 100 | 4 | 2 | 380 | 18 | 11.06 | 11.25 | 8.56 | 10.01 |
| 470 | 60 | 125 | 35 | 470 | 125 | 6 | 3 | 470 | 18 | 19.76 | 20.23 | 15.33 | 17.53 |
| 570 | 70 | 150 | 45 | 570 | 150 | 6 | 3 | 570 | 25 | 32.18 | 32.88 | 20.05 | 27.21 |
| 660 | 80 | 180 | 50 | 660 | 180 | 8 | 4 | 660 | 32 | 50.15 | 51.53 | 38.78 | 45.67 |
| 760 | 85 | 200 | 60 | 760 | 200 | 8 | 4 | 760 | 38 | 65.63 | 67.48 | 50.67 | 58.93 |
| 850 | 90 | 230 | 70 | 850 | 230 | 10 | 6 | 850 | 45 | 88.54 | 92.42 | 67.45 | 79.45 |
| 950 | 100 | 250 | 80 | 950 | 250 | 10 | 6 | 950 | 45 | 116.8 | 121.4 | 90.00 | 98.89 |
| 1140 | 110 | 300 | 95 | 1140 | 300 | 12 | 8 | 1140 | 57 | 175.9 | 185.1 | 135.02 | 148.3 |
| 1340 | 120 | 350 | 110 | 1340 | 350 | 12 | 8 | 1340 | 57 | 238.7 | 252.6 | 185.79 | 212 |
| 1530 | 130 | 400 | 125 | 1530 | 400 | 14 | 10 | 1530 | 76 | 343.0 | 366.6 | 263 | 306.4 |
| 1730 | 140 | 450 | 140 | 1730 | 450 | 14 | 10 | 1730 | 76 | 437.8 | 468.8 | 338.92 | 405.2 |
| 1920 | 150 | 500 | 160 | 1920 | 500 | 16 | 12 | 1920 | 89 | 586.0 | 633.1 | 449.72 | 541.9 |
| 2120 | 160 | 550 | 175 | 2120 | 550 | 16 | 12 | 2120 | 89 | 731.9 | 772.2 | 553.4 | 640.9 |
| 2320 | 170 | 600 | 190 | 2320 | 600 | 18 | 14 | 2320 | 108 | 916.8 | 999.5 | 706.44 | 827.5 |
| 2520 | 180 | 650 | 200 | 2520 | 650 | 20 | 14 | 2520 | 108 | 1127 | 1226 | 864.7 | 995.9 |

备注：搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 框、锚式搅拌器的结构与主要参数

33、椭圆底框式 KS　　34、直角锥度框式 KSA
35、钝角锥底框式 KSB　　36、锚式 MS
37、搪玻璃专用锚式 TS

此类搅拌器为慢速型搅拌器，适用于中高粘度液体的混合、传热或反应等过程。常在层流状态操作，产生水平环向流，如为折叶或角钢型叶，可增加桨叶附近的涡流。可根据需要在桨上接加立叶和横梁，以增大搅拌范围。适用介质粘度范围 $\mu<10^5$cP，转速 n=1~100rpm。

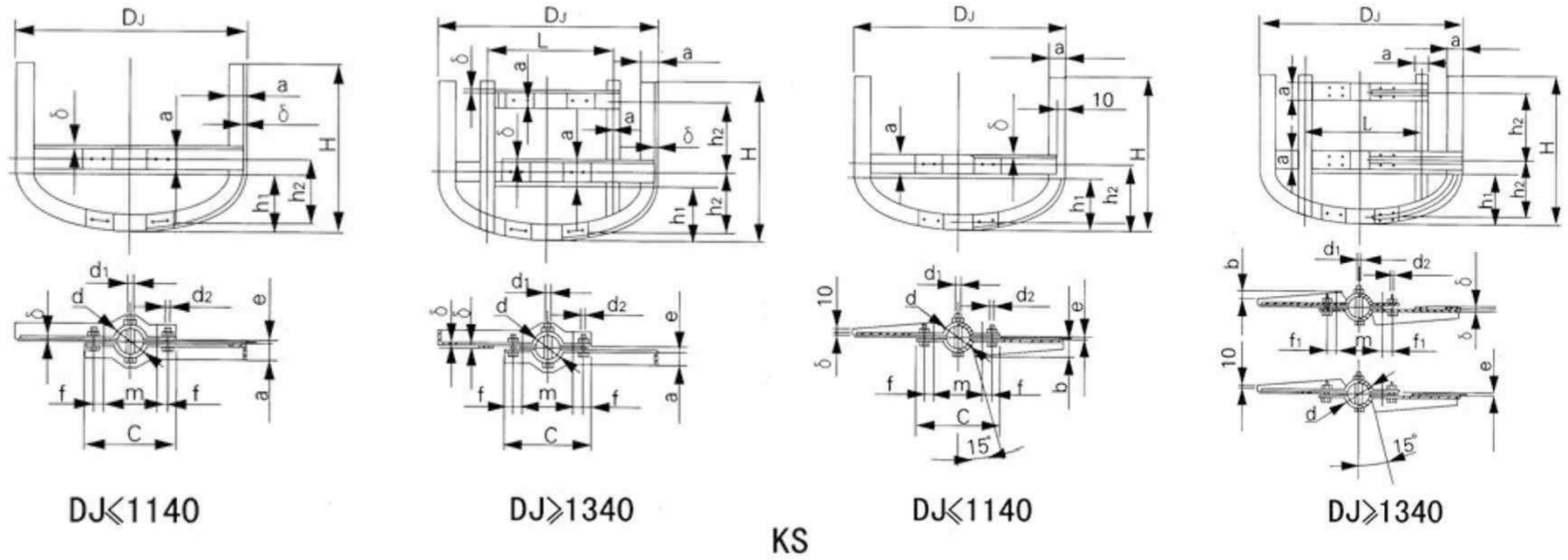



图1-10

## 框、锚式搅拌器主要尺寸

表1-10

| 碳钢、不锈钢 | | | | | | | | | | | 碳钢 | | | | 不锈钢 | | | | | | 重量 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| $D_1$ | d | H | $d_1$ | $h_1$ | $h_2$ | L | e | m | f | N/n≤ | a | δ | c | $d_2$ | a | δ | b | c | $f_1$ | $d_2$ | 碳钢、不锈钢 |
| 470 | 30 | 370 | M8 | 117 | 165 | — | 3 | 90 | 25 | 0.012 | 36 | 3 | 170 | M8 | 36 | 3 | 36 | 130 | — | M8 | 3.5/3.5 |
| 470 | 40 | 370 | M12 | 117 | 165 | | 3 | 100 | 35 | 0.020 | 36 | 4 | 210 | M12 | 36 | 4 | 36 | 140 | | M12 | 4.5/4.5 |
| 570 | 30 | 450 | M8 | 142 | 200 | — | 3 | 90 | 25 | 0.012 | 40 | 3 | 170 | M8 | 40 | 3 | 40 | 130 | — | M8 | 5/5 |
| 570 | 40 | 450 | M12 | 142 | 200 | | 3 | 100 | 35 | 0.038 | 40 | 4 | 210 | M12 | 40 | 4 | 40 | 140 | | M12 | 7.5/7.5 |
| 660 | 40 | 520 | M12 | 165 | 240 | — | 3 | 100 | 35 | 0.038 | 50 | 3 | 210 | M12 | 50 | 3 | 50 | 140 | — | M12 | 7/7 |
| 660 | 50 | 520 | M16 | 165 | 240 | | 5 | 120 | 35 | 0.069 | 50 | 4 | 240 | M16 | 50 | 4 | 50 | 170 | | M16 | 10/10 |
| 760 | 40 | 600 | M12 | 190 | 275 | — | 3 | 100 | 35 | 0.047 | 50 | 4 | 210 | M12 | 50 | 4 | 50 | 140 | — | M12 | 10/12 |
| 760 | 50 | 600 | M16 | 190 | 275 | | 5 | 120 | 35 | 0.088 | 50 | 5 | 240 | M16 | 50 | 5 | 50 | 170 | | M16 | 13/14 |
| 850 | 50 | 680 | M16 | 212 | 310 | — | 5 | 120 | 35 | 0.088 | 63 | 4 | 240 | M16 | 63 | 4 | 63 | 170 | — | M16 | 14/14 |
| 850 | 65 | 680 | M16 | 212 | 310 | | 7 | 140 | 40 | 0.160 | 63 | 5 | 270 | M16 | 63 | 5 | 63 | 190 | | M16 | 18/18 |
| 950 | 50 | 760 | M16 | 237 | 350 | — | 5 | 120 | 35 | 0.088 | 63 | 4 | 240 | M16 | 63 | 4 | 63 | 170 | — | M12 | 16/16 |
| 950 | 65 | 760 | M16 | 237 | 350 | | 7 | 140 | 40 | 0.160 | 63 | 5 | 270 | M16 | 63 | 5 | 63 | 190 | | M16 | 18/20 |
| 1140 | 50 | 910 | M16 | 285 | 420 | — | 5 | 120 | 35 | 0.088 | 70 | 4 | 240 | M16 | 70 | 4 | 70 | 170 | — | M12 | 26/26 |
| 1140 | 60 | 910 | M16 | 285 | 420 | | 7 | 140 | 40 | 0.160 | 70 | 5 | 270 | M16 | 70 | 5 | 70 | 190 | | M16 | 32/32 |
| 1340 | 50 | 1070 | M16 | 335 | 460 | 670 | 5 | 120 | 50 | 0.088 | 80 | 5 | 270 | M16 | 90 | 8 | 25 | 190 | 60 | M12 | 50/52 |
| 1340 | 65 | 1070 | M16 | 335 | 450 | 670 | 7 | 140 | 50 | 0.250 | 80 | 5 | 290 | M16 | 90 | 8 | 35 | 280 | 60 | M12 | 50/55 |
| 1340 | 80 | 1070 | M18 | 335 | 450 | 670 | 7 | 170 | 50 | 0.470 | 80 | 6 | 330 | M18 | 90 | 10 | 35 | 310 | 60 | M12 | 62/59 |
| 1530 | 50 | 1220 | M16 | 382 | 510 | 770 | 5 | 120 | 50 | 0.088 | 90 | 6 | 270 | M16 | 100 | 8 | 25 | 270 | 60 | M12 | 71/71 |
| 1530 | 65 | 1220 | M16 | 382 | 510 | 770 | 7 | 140 | 50 | 0.250 | 90 | 6 | 290 | M16 | 100 | 10 | 35 | 290 | 60 | M12 | 73/85 |
| 1530 | 80 | 1220 | M18 | 382 | 510 | 770 | 7 | 170 | 50 | 0.470 | 90 | 6 | 330 | M16 | 100 | 10 | 45 | 320 | 60 | M12 | 77/89 |
| 1730 | 65 | 1380 | M16 | 432 | 580 | 870 | 7 | 140 | 70 | 0.250 | 100 | 6 | 330 | M16 | 120 | 10 | 35 | 330 | 80 | M16 | 88/105 |
| 1730 | 80 | 1380 | M18 | 432 | 580 | 870 | 7 | 170 | 70 | 0.470 | 100 | 6 | 370 | M18 | 120 | 12 | 45 | 360 | 80 | M16 | 95/125 |
| 1730 | 95 | 1380 | M22 | 432 | 580 | 870 | 7 | 200 | 70 | 0.815 | 100 | 7 | 400 | M22 | 120 | 12 | 50 | 390 | 80 | M16 | 113/135 |
| 1920 | 65 | 1530 | M16 | 480 | 640 | 960 | 7 | 140 | 70 | 0.250 | 110 | 7 | 330 | M16 | 130 | 10 | 35 | 330 | 80 | M16 | 125/150 |
| 1920 | 80 | 1530 | M18 | 480 | 640 | 960 | 7 | 170 | 70 | 0.470 | 110 | 7 | 370 | M18 | 130 | 12 | 45 | 360 | 80 | M16 | 132/182 |
| 1920 | 95 | 1530 | M22 | 480 | 640 | 960 | 7 | 200 | 70 | 0.800 | 110 | 7 | 400 | M22 | 130 | 12 | 50 | 390 | 80 | M16 | 138/195 |

| | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2120 | 80 | 1690 | M18 | 530 | 710 | 1060 | 7 | 170 | 70 | 0.470 | 125 | 8 | 370 | M18 | 150 | 12 | 45 | 360 | 100 | M16 | 184/220 |
| 2120 | 95 | 1690 | M22 | 530 | 710 | 1060 | 7 | 200 | 70 | 0.800 | 125 | 8 | 400 | M22 | 150 | 12 | 50 | 390 | 100 | M16 | 191/228 |
| 2120 | 110 | 1690 | M22 | 530 | 710 | 1060 | 9 | 230 | 70 | 1.060 | 125 | 8 | 440 | M22 | 150 | 14 | 60 | 420 | 100 | M16 | 194/266 |
| 2320 | 80 | 1850 | M18 | 580 | 780 | 1160 | 7 | 170 | 70 | 0.470 | 140 | 10 | 370 | M18 | 160 | 10 | 45 | 360 | 110 | M16 | 270/324 |
| 2320 | 95 | 1850 | M22 | 580 | 780 | 1160 | 7 | 200 | 70 | 0.815 | 140 | 10 | 400 | M22 | 160 | 12 | 50 | 390 | 110 | M16 | 277/385 |
| 2320 | 110 | 1850 | M22 | 580 | 780 | 1160 | 9 | 230 | 70 | 1.041 | 140 | 10 | 440 | M22 | 160 | 14 | 60 | 420 | 110 | M16 | 281/435 |
| 2520 | 82 | 2010 | M18 | 630 | 840 | 1260 | 7 | 170 | 70 | 0.470 | 160 | 10 | 370 | M18 | 180 | 10 | 45 | 360 | 130 | M16 | 336/403 |
| 2520 | 95 | 2010 | M22 | 630 | 840 | 1260 | 7 | 200 | 70 | 0.850 | 160 | 10 | 400 | M22 | 180 | 12 | 50 | 390 | 130 | M16 | 341/484 |
| 2520 | 110 | 2010 | M22 | 630 | 840 | 1260 | 9 | 230 | 70 | 1.100 | 160 | 10 | 440 | M22 | 180 | 14 | 60 | 420 | 130 | M16 | 350/564 |

备注:搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。

## 特殊框式搅拌器的结构与主要参数

**38、锚框式 MKS　　39、锚带式 MDS　　40、方框式 FKS**
**41、方栅式 FSS　　42、板框式 BKS**

此类搅拌器为慢速型搅拌器,常用于中高粘度液体混合、传热反应等过程 μ<105cP,n=1~100rpm。

锚框式(MKS)低速旋转时沿壁面能得到大的剪切力,可防止沉降及壁面附着,底部形状贴合椭圆形罐与中间的底轴承。

锚带式(MDS)是螺带和框式的组合,结合了螺带式和框式搅拌器的作用。

方框式(FKS)、方栅式(FSS)制作工艺较为简单,造价适当,在污泥污水处理运用中较为常见,适合中等粘稠度的混合、溶解。

板框式(BKS)是另一种简易的慢速搅拌器,板框上开的孔,其形状数量,分布型式,都可以因需要而变化。



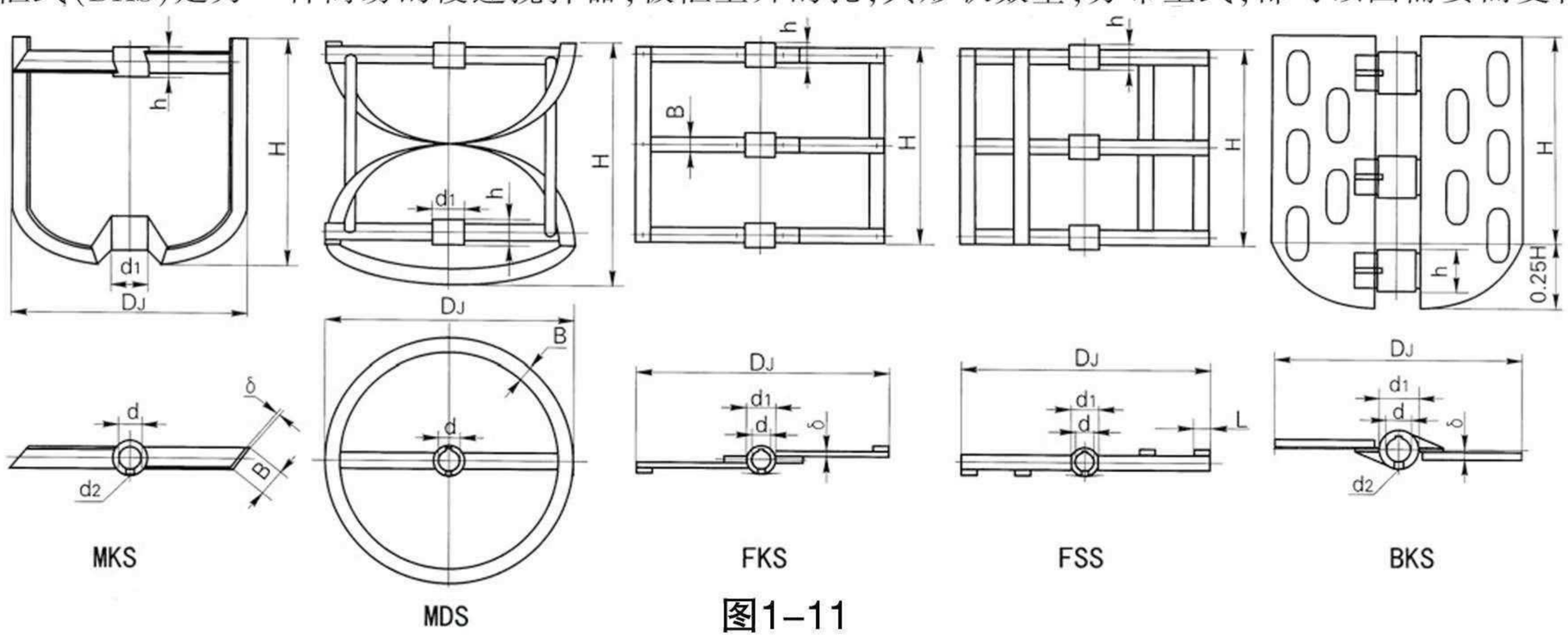



图1-11

## 特殊框式搅拌器主要尺寸

表1-11

| $D_J$ | d | $d_1$ | n | H | B | δ | $d_2$ | L | 重量(kg) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | MKS | MDS | FKS | FSS | BKS |
| 500 | 50 | 85 | 85 | 500 | 50 | 8 | M8 | 30 | 11.42 | 16.81 | 15.29 | 14.25 | 17.7 |
| 560 | 55 | 90 | 90 | 560 | 56 | 8 | M8 | 30 | 13.52 | 19.90 | 18.31 | 16.08 | 21.8 |
| 630 | 60 | 100 | 100 | 630 | 63 | 10 | M10 | 40 | 20.36 | 28.80 | 27.43 | 25.79 | 31.3 |
| 710 | 65 | 105 | 105 | 710 | 71 | 10 | M10 | 40 | 25.05 | 37.07 | 33.62 | 29.66 | 38.2 |
| 800 | 70 | 110 | 110 | 800 | 80 | 12 | M10 | 50 | 33.88 | 48.55 | 44.78 | 37.39 | 53.2 |
| 900 | 75 | 120 | 120 | 900 | 90 | 12 | M10 | 50 | 43.50 | 64.00 | 57.62 | 45.07 | 67.4 |
| 1000 | 80 | 130 | 130 | 1000 | 100 | 12 | M12 | 60 | 54.52 | 79.99 | 72.36 | 60.01 | 85.3 |
| 1120 | 85 | 140 | 140 | 1120 | 112 | 14 | M12 | 60 | 76.55 | 107.4 | 101.0 | 70.96 | 116 |
| 1250 | 90 | 150 | 150 | 1250 | 125 | 14 | M12 | 70 | 95.39 | 137.1 | 125.9 | 106.7 | 144 |
| 1400 | 100 | 160 | 160 | 1400 | 140 | 14 | M12 | 70 | 117.0 | 168.4 | 154.0 | 120.9 | 178 |
| 1600 | 110 | 180 | 180 | 1600 | 160 | 16 | M16 | 80 | 173.7 | 237.9 | 228.4 | 166.5 | 259 |
| 1800 | 120 | 190 | 190 | 1800 | 180 | 16 | M16 | 80 | 213.6 | 296.9 | 279.7 | 187.5 | 318 |
| 2000 | 130 | 200 | 200 | 2000 | 200 | 16 | M16 | 90 | 257.9 | 354.1 | 252.4 | 225.8 | 383 |
| 2240 | 140 | 210 | 210 | 2240 | 220 | 18 | M16 | 90 | 450.8 | 481.4 | 366.6 | 542.07 | 515 |
| 2500 | 150 | 220 | 220 | 2500 | 250 | 18 | M20 | 10 | 423.5 | 579.8 | 547.0 | 346.7 | 628 |
| 2800 | 160 | 240 | 240 | 2800 | 270 | 18 | M20 | 10 | 537.8 | 746.4 | 696.0 | 412.4 | 794 |
| 3150 | 170 | 250 | 250 | 3150 | 300 | 20 | M20 | 120 | 726.5 | 983.7 | 934.1 | 525.5 | 1075 |
| 3550 | 180 | 260 | 260 | 3550 | 330 | 20 | M20 | 140 | 904.1 | 1267 | 1158 | 661.1 | 1340 |

备注:搅拌器尺寸根据用户实际用途制作，表中参数仅供常规化工类搅拌参考，实际生产会根据客户搅拌用途及搅拌介质不同做相应调整，如需实际尺寸请务必与我公司联系。