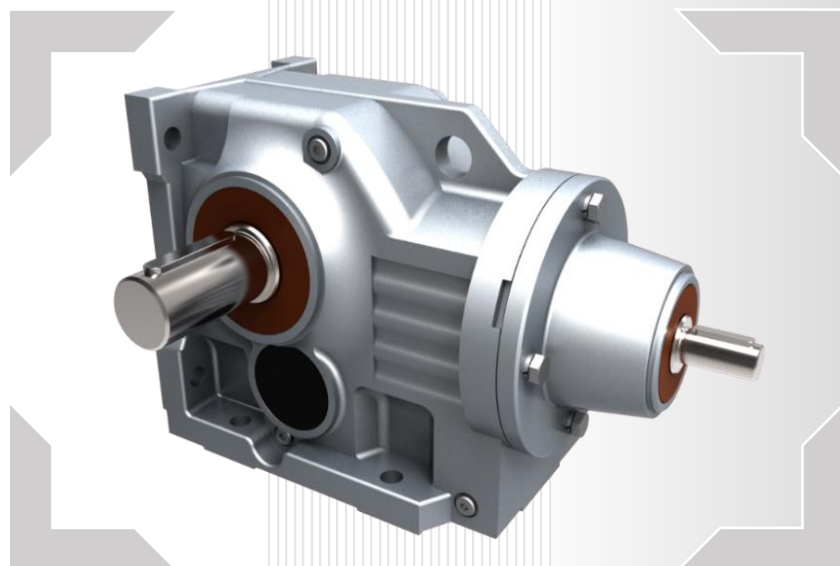


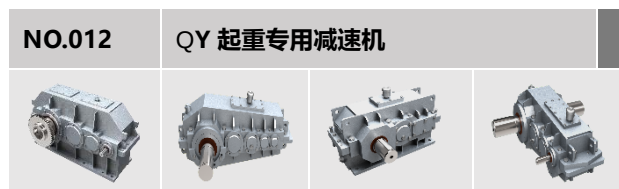
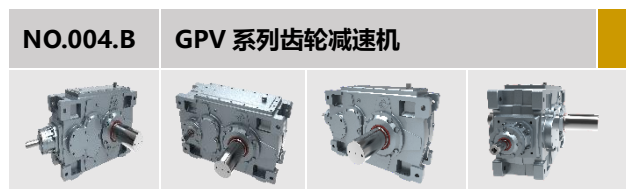
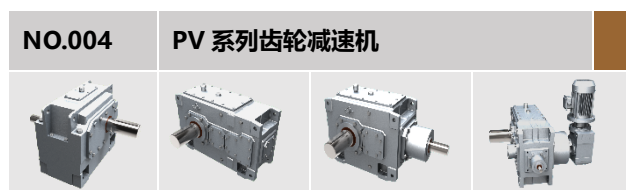
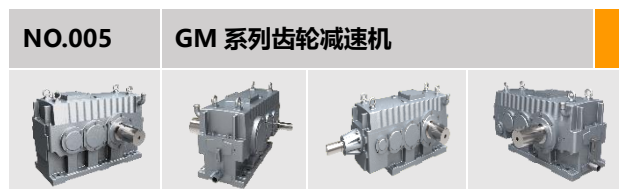


G 系列减速电机

G Series Geared Motor

产品样本 CATALOGUE NO.001
版 本 VERSION V3.3-2020

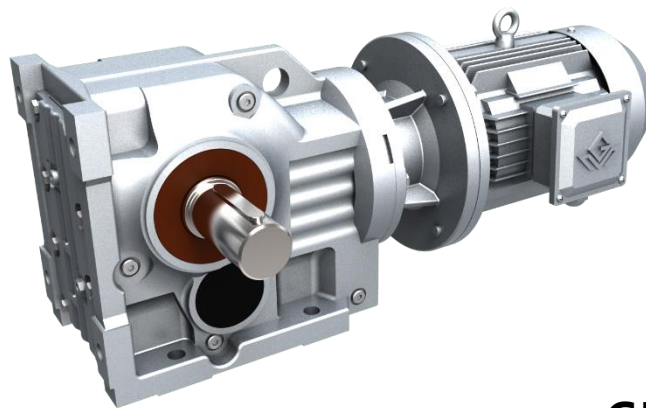
产 品 总 览



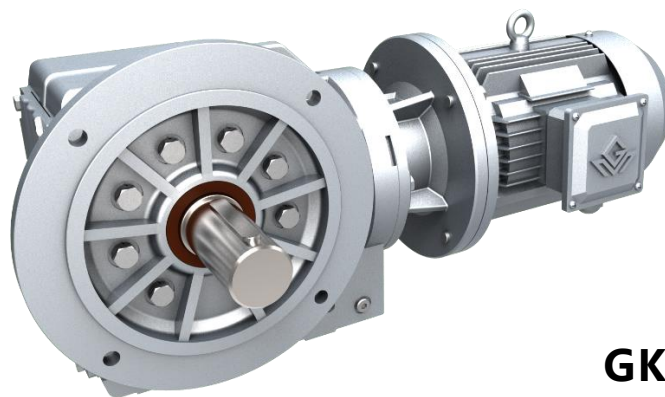
GK Series Helical-Bevel Geared Motors

GK
系列

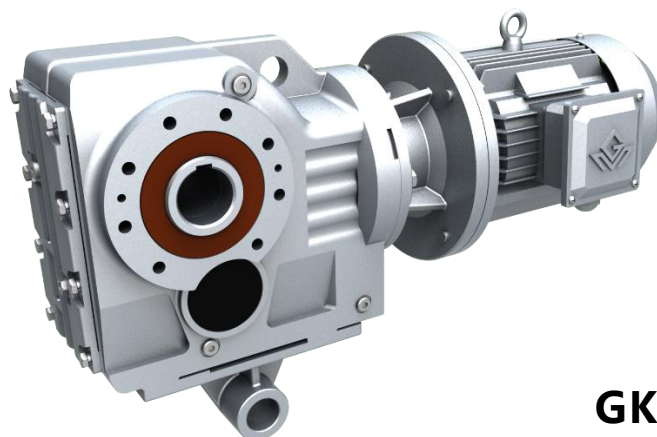
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产 品 概 述

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。**

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。

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.**

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 level.

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. 机型的选择

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 shaft 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: $F_{Ra} \geq f_A \times F_r$; (N)

其中:

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。

f_A ——工作机总工况系数。按前述章节计算得出。

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, 且严格按联轴器对标准安装, 确认无径向载荷时, 可取 $F_r=0$; 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: $F_{Ra} \geq f_A \times F_r$; (N)
Where:

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".

f_A ——total service factor of work units. Calculated according to the preceding section.

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， F_r 值由下式求出：

$$F_r = 2 * M_r * f_r / d \quad (N)$$

其中： M_r —工作元件的工作转矩 (N.m)

d —工作元件节圆直径 (m)

f_r —径向载荷系数。可参考如下取值。

单排链轮 $f_r = 1$;

一个齿轮或双排链轮 $f_r = 1.25$;

V 型带 $f_r = 1.5$; 平型带 $f_r = 2.5$

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。

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

$$F_r = 2 * M_r * f_r / d \quad (N)$$

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

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

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

$f_r = 1$, for single chain sprocket wheel

$f_r = 1.25$, for single gear or for double chain sprocket wheel

$f_r = 1.5$, for V-section belt ; $f_r = 2.5$, for flat 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 positions M1 to M4: If the mounting position is different from 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 to site 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	1.25	1.5	1.75
弯轧机			
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, 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

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°C...	+20°C...	+30°C...	+40°C...	+50°C...
温度		+30°C	+40°C	+50°C	+60°C
f_{At}	1	1.1	1.25	1.5	1.75

工况系数 f_{An}

输出	≤2	2~10	10~50	50~100	100~150	150~200	> 200
转速 (r/min)							
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_{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 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, 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

Service Factor f_{Ac}

Number of starts and stop/hour	
< 10	1
< 100	1.15
< 500	1.25

Service Factor f_{At}

Ambient	+20°C...	+20°C...	+30°C...	+40°C...	+50°C...
temperature		+30°C	+40°C	+50°C	+60°C
f_{At}	1	1.1	1.25	1.5	1.75

Service Factor f_{An}

Output	≤2	2~10	10~50	50~100	100~150	150~200	> 200
speed (r/min)							
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。

F_{XL} 和 F_{XW} 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 F_{XL} (单位 N)

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

根据输出轴强度计算 F_{XW} (单位 N)

$$F_{XW} = c / (f + X)$$

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, then an axial load F_A (tension or compression) amount 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

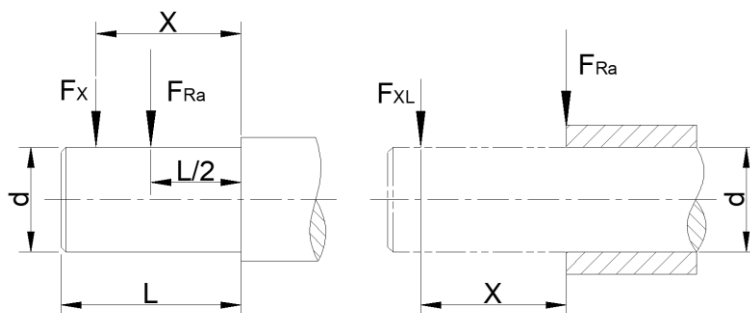
$$F_{XW} = c / (f + X)$$

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 load 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)
GR19	88.5	68.5	6.527x10 ⁴	17	20	40
GR29	106.5	81.5	1.56 x10 ⁵	11.8	25	50
GR39	118	93	1.24 x10 ⁵	0	25	50
GR49	137	107	2.44 x10 ⁵	15	20	60
GR59	147.5	112.5	3.77 x10 ⁵	18	35	70
GR69	168.5	133.5	2.51 x10 ⁵	0	35	70
GR79	173.7	133.7	3.97 x10 ⁵	0	40	80
GR89	216.7	166.7	8.47 x10 ⁵	0	50	100
GR99	255.5	195.5	1.19 x10 ⁶	0	60	120
GR109	285.5	215.5	2.06 x10 ⁶	0	70	140
GR139	343.5	258.5	6.14 x10 ⁶	30	90	170
GR149	402	297	8.65 x10 ⁶	33	110	210
GR169	450	345	1.26 x10 ⁷	0	120	210
GR179	420	295	1.6 x10 ⁷	0	160	250
GRX59	43.5	23.5	1.51 x10 ⁵	34.2	20	40
GRX69	52.5	27.5	2.42 x10 ⁵	39.7	25	50
GRX79	60.5	30.5	1.95 x10 ⁵	0	30	60
GRX89	73.5	33.5	7.69 x10 ⁵	48.9	40	80
GRX99	86.5	36.5	1.43 x10 ⁶	53.9	50	100
GRX109	102.5	42.5	2.47 x10 ⁶	62.3	60	120
GRX139	133	63	3.55 x10 ⁶	70.1	70	140
GF39	123.5	98.5	1.07 x10 ⁵	0	25	50
GF49	153.5	123.5	1.78 x10 ⁵	0	30	60
GF59	170.7	135.7	5.49 x10 ⁵	32	35	70
GF69	181.3	141.3	4.12 x10 ⁵	0	40	80
GF79	215.8	165.8	7.78 x10 ⁵	0	50	100
GF89	263	203	1.19 x10 ⁶	0	60	120
GF99	350	280	2.09 x10 ⁶	0	70	140
GF109	373.5	288.5	4.23 x10 ⁶	0	90	170
GF129	442.5	337.5	9.49 x10 ⁶	0	110	210
GF159	512	407	1.05 x10 ⁷	0	120	210
GK39	123.5	98.5	1.41 x10 ⁵	0	25	50
GK49	153.5	123.5	1.78 x10 ⁵	0	30	60
GK59	169.7	134.7	6.8 x10 ⁵	31	35	70
GK69	181.3	141.3	4.12 x10 ⁵	0	40	80
GK79	215.8	165.8	7.69 x10 ⁵	0	50	100
GK89	252	192	1.64 x10 ⁶	0	60	120
GK99	319	249	2.8 x10 ⁶	0	70	140
GK109	373.5	288.5	5.53 x10 ⁶	0	90	170
GK129	443.5	338.5	8.31 x10 ⁶	0	110	210
GK159	509	404	1.18 x10 ⁷	0	120	210
GK169	621.5	496.5	1.88 x10 ⁷	0	160	250
GK189	720.5	560.5	3.04 x10 ⁷	0	190	320
GS39	118.5	98.5	6.0 x10 ⁴	0	20	40
GS49	130	105	1.33 x10 ⁵	0	25	50
GS59	150	120	2.14 x10 ⁵	0	30	60
GS69	184	149	3.04 x10 ⁵	0	35	70
GS79	224	179	5.26 x10 ⁵	0	45	90
GS89	281.5	221.5	1.68 x10 ⁶	0	60	120
GS99	326.3	256.3	2.54 x10 ⁶	0	70	140
GS109	453.5	283.5	2.85 x10 ⁶	0	90	170

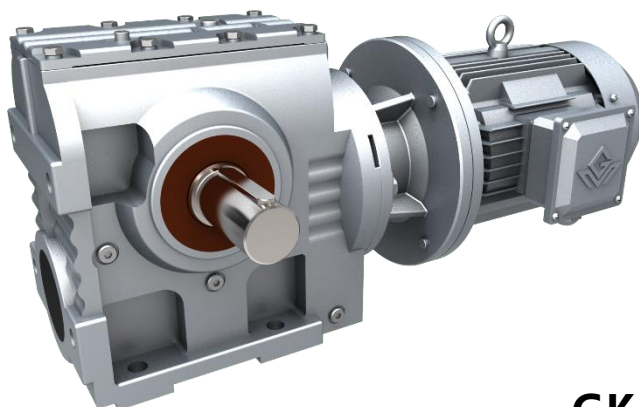
对于没有列出的型号的减速机常数需要另给定。

Values for types not listed are available on request.

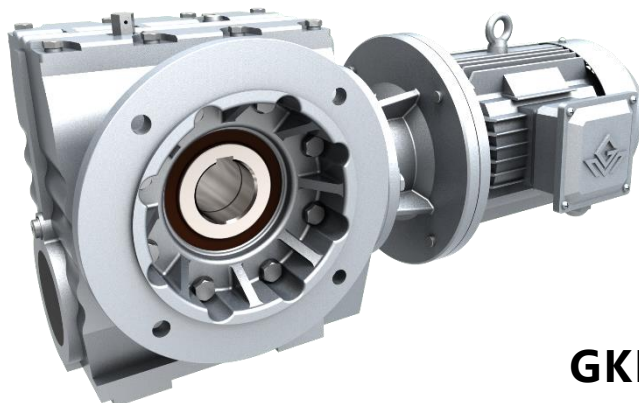
GK Series Helical-Bevel Geared Motors

GK
系列

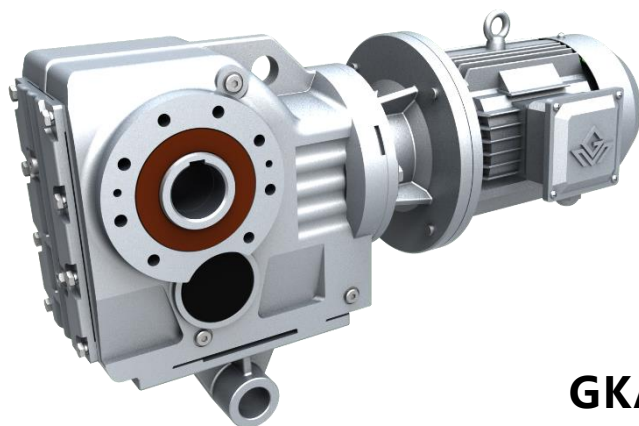
斜
齿
轮
—
弧
齿
锥
齿
轮
减
速
电
机



GK..



GKF..



GKA/T..

GK 系列 斜齿轮-弧齿锥齿轮减速电机

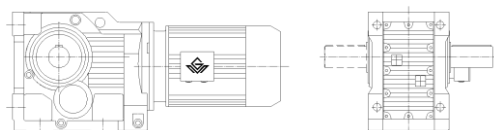
结构形式说明 Dimensional Description

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.

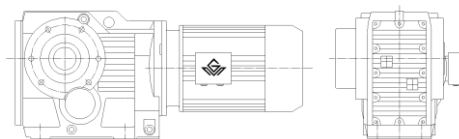
1.GK 型： 底脚安装，输出轴为实心轴。

Type GK: Foot mounted. Solid output shaft.



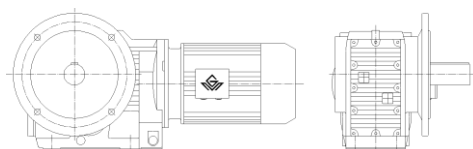
7.GKH 型： 空心轴锁紧盘安装。

Type GKH: Hollow shaft and shrink disk.



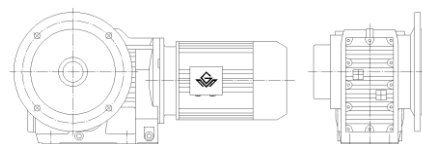
2.GKF 型： B5 法兰安装，输出轴为实心轴。

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



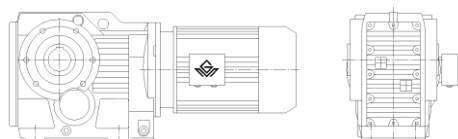
8.GKHF 型： B5 法兰，空心轴锁紧盘安装。

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



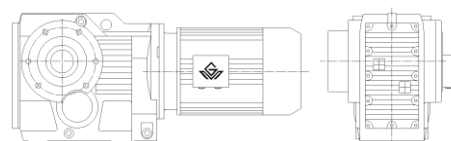
3.GKA 型： 轴装式，输出轴为空心轴。

Type GKA: Shaft mounted. Hollow output shaft.



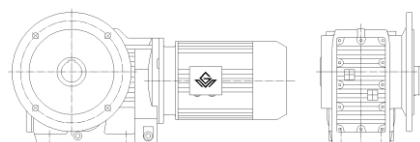
9.GKHZ 型： B14 法兰，空心轴锁紧盘安装。

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



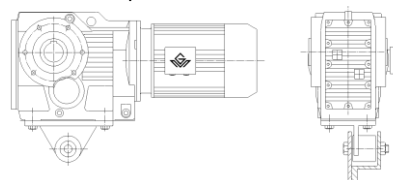
4.GKAF 型： B5 法兰安装，输出轴为空心轴。

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



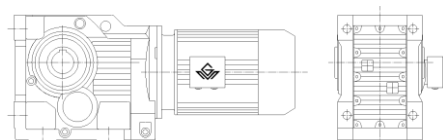
10.GKAT 型/GKHT 型： 防转臂安装

Type GKAT/GKHT: Torque arm mounted.



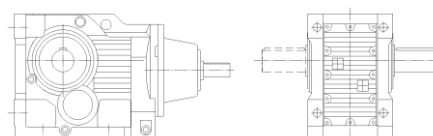
5.GKAB/GKHB 型： 用 GK 型箱体，输出轴为空心轴。

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



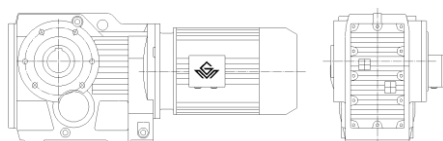
11.GK..AD..型： 输入轴型。

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



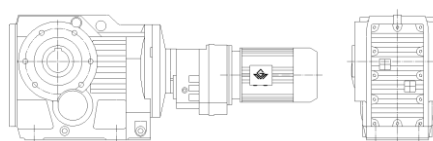
6.GKAZ 型： B14 法兰，空心轴安装。

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

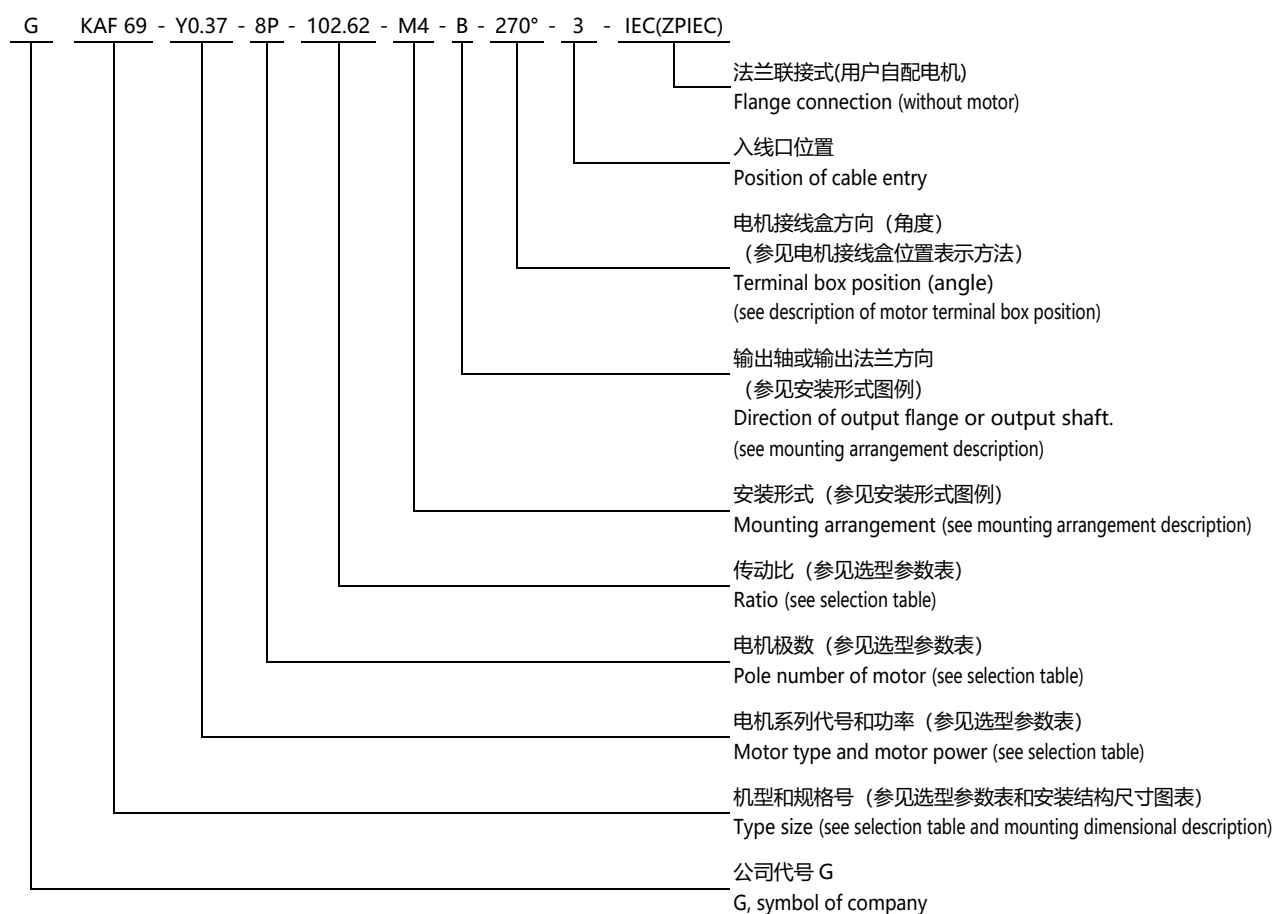


12.GK..R 型： GK 系列和 GR 系列的组合。

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



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

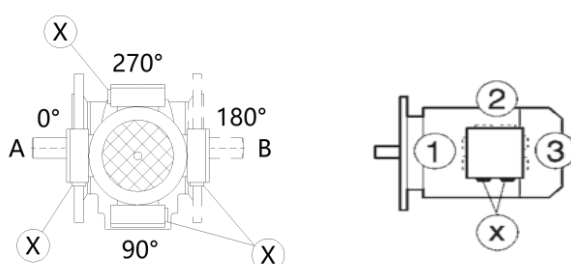


- 注: 1、需带联接法兰时请注明 IEC。
2、输入轴型没有电机各项内容。
3、不注明减速机的安装形式时, 则默认为安装形式中的 M1 位置。不注明接线盒方向时, 则默认为安装形式中的 0 度位置。不注明入线口位置时, 则默认为 X 位置。
4、对输出轴旋转方向和输入轴旋转方向有特别要求的用户, 请与技术部联系, 并在订货时用简图或文字说明。

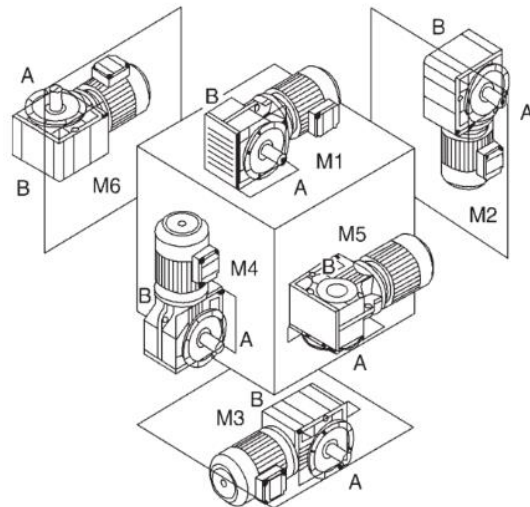
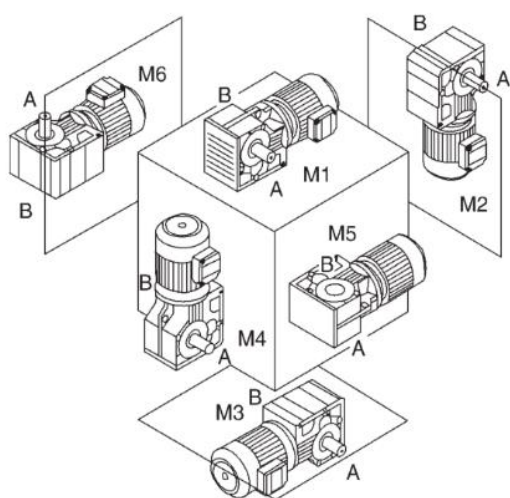
- Note: 1、Please make a note, if it needs connecting flange.
2、Contents of motors for input shaft types are not listed.
3、It is M1, When the mounting arrangement of the reducer is not mentioned. Degree=0°, if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.
4、If 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	GK39	GK49	GK59	GK69	GK79	GK89	GK99	GK109	GK129	GK159	GK169	GK189
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]	M_a [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

M_{max} [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	n_a [r/min]	M_a [N.m]	i	F_{Ra} [kN]	f_B	机型号 Type size	极数 Pole
0.12kW							0.12kW						
0.07	13856	17550	76	1.00	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P	1.42	726	920	19	2.25	GK79R39	4P
0.08	12637	16006	76	1.10			1.61	641	812	19	2.55	GKF79R39	
0.09	11823	14975	77	1.20			1.86	557	706	19	2.95	GKA79R39	
0.11	9822	12440	77	1.40			2.11	489	620	19	3.35	GKAF79R39	
0.12	8617	10914	78	1.60			0.97	1067	1351	8.8	0.80	GK69R39 GKF69R39 GKA69R39 GKAF69R39	
0.13	7752	9819	78	1.80			1.1	925	1171	10	0.95		
0.16	6666	8443	78	2.10			1.3	816	1034	11	1.05		
0.18	5908	7483	78	2.40			1.5	713	903	11	1.20		
0.09	11299	14311	62	0.80	1.7	626	793	12	1.40	GK59R39 GKF59R39 GKA59R39 GKAF59R39			
0.11	9641	12211	62	0.90	1.9	550	697	12	1.60				
0.12	8430	10678	62	1.00	2.1	484	613	12	1.80				
0.14	7519	9524	62	1.15	2.4	428	542	12	2.05				
0.16	6575	8328	62	1.30	2.8	372	471	12	2.35				
0.18	5739	7269	62	1.45	3.1	332	420	12	2.60				
0.21	4882	6184	62	1.75	3.6	285	361	12	3.05				
0.23	4470	5662	62	1.90	4.1	255	323	12	3.40				
0.25	4057	5138	62	2.10	4.7	220	279	12	3.95				
0.30	3442	4360	62	2.50	5.3	194	246	12	4.50				
0.16	6360	8055	38	0.80	6.0	171	217	12	5.10		GK49R39 GKF49R39 GKA49R39 GKAF49R39		
0.19	5502	6969	38	0.85	1.4	715	906	7.4	0.90				
0.22	4758	6027	38	0.95	1.6	636	806	7.8	1.00				
0.24	4257	5392	38	1.05	1.9	552	699	8.3	1.15				
0.28	3686	4669	38	1.25	2.1	486	615	8.5	1.30				
0.32	3222	4081	38	1.40	2.4	429	544	8.7	1.50				
0.37	2829	3583	38	1.60	2.8	373	473	8.8	1.70				
0.42	2454	3108	38	1.85	3.1	332	421	8.9	1.90				
0.48	2176	2756	38	2.10	3.6	286	362	9.0	2.25				
0.54	1910	2419	38	2.50	4.1	252	319	9.1	2.55				
0.62	1676	2123	38	2.70	4.7	221	280	9.2	2.90				
0.71	1465	1856	38	3.10	5.3	194	246	9.3	3.30				
0.81	1283	1625	38	3.55	6.1	170	215	9.3	3.75				
0.92	1129	1430	38	4.05	6.8	152	192	9.4	4.20				
1.04	996	1261	38	4.60	2.1	505	639	2.4	0.85				
1.19	870	1102	38	5.25	2.4	436	552	6.0	0.95				
0.25	4136	5239	25	0.80	2.6	391	495	6.6	1.10				
0.29	3602	4562	26	0.80	3.1	336	426	6.9	1.25				
0.32	3187	4037	26	0.90	3.5	296	375	7.2	1.45				
0.36	2849	3609	26	1.00	4.0	258	327	7.3	1.65				
0.42	2452	3106	27	1.15	4.5	228	289	7.4	1.85				
0.48	2154	2728	27	1.35	3.8	273	346	4.6	0.80				
0.55	1872	2371	27	1.55	4.3	240	304	5.4	0.90				
0.63	1648	2087	27	1.75	4.9	211	267	5.5	1.00				
0.71	1464	1854	27	1.95	5.6	185	234	5.8	1.15				
0.79	1309	1658	27	2.20	6.4	162	205	5.9	1.30				
0.93	1117	1415	27	2.55	7.2	143	181	6.0	1.50				
1.07	970	1229	27	2.95	8.2	126	160	6.1	1.70				
1.22	851	1078	27	3.35	9.6	107	136	6.2	2.00				
1.38	751	951	28	3.80	GK79R39 GKF79R39 GKA79R39 GKAF79R39	4P	5.9	185	144.79	12	4.40	GK69 GKF69 GKA69 GKAF69	6P *
1.57	661	837	28	4.35			GK59 GKF59 GKA59 GKAF59	6P *					
1.80	573	726	28	5.00									
0.64	1611	2041	16	1.00									
0.74	1393	1764	17	1.15									
0.87	1191	1508	17	1.35									
0.95	1091	1382	18	1.50									
1.08	958	1213	18	1.70									
1.25	827	1048	18	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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole
0.12kW							0.18kW						
9	121	145.15	9.4	5.00	GK59	4P	0.28	5529	4669	38	0.85	GK99R59	4P
11	103	123.85	9.4	5.80	GKF59		0.32	4833	4081	38	0.95	GKF99R59	
12	90	108.29	9.5	6.70	GKA59		0.37	4243	3583	38	1.10	GKA99R59	
13	86	102.88	9.5	7.00	GKAF59		0.42	3681	3108	38	1.25	GKAF99R59	
15	75	90.26	9.5	8.00			0.48	3264	2756	38	1.40		
6.4	169	131.87	7.5	2.40	GK49	6P*	0.54	2865	2419	38	1.60	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P
7.0	156	121.48	7.6	2.60	GKF49		0.62	2514	2123	38	1.80		
8.1	134	104.37	7.7	3.00	GKA49		0.71	2198	1856	38	2.10		
					GKAF49	4P	0.81	1924	1625	38	2.35		
9.9	110	131.87	7.7	3.70	GK49		0.92	1694	1430	38	2.70		
11	101	121.48	7.8	4.00	GKF49		1.04	1493	1261	38	3.05		
					GKA49	6P*	1.19	1305	1102	38	3.50		
					GKAF49		1.37	1133	957	38	4.05		
8.0	136	106.38	5.9	1.50	GK39		1.53	1013	855	38	4.50		
8.7	125	97.81	6.0	1.60	GKF39		1.76	880	743	38	5.20		
10	107	83.69	6.1	1.90	GKA39		2.01	771	651	38	5.90		
12	93	72.54	6.2	2.20	GKAF39	GK39 GKF39 GKA39 GKAF39	0.42	3678	3106	25	0.80	GK89R59	4P
12	88	106.38	6.2	2.30			0.48	3231	2728	26	0.90	GKF89R59	
13	81	97.81	6.2	2.50			0.55	2808	2371	26	1.00	GKA89R59	
16	70	83.69	6.2	2.90			0.63	2472	2087	26	1.15	GK89R59 GKF89R59 GKA89R59 GKAF89R59	4P
18	60	72.54	6.3	3.30			0.71	2196	1854	27	1.30		
19	56	67.80	6.3	3.50			0.79	1964	1658	27	1.45		
22	49	58.60	6.1	4.10			0.93	1676	1415	27	1.70		
26	41	49.79	5.8	4.80			1.1	1455	1229	27	1.95		
29	37	44.46	5.6	5.40			1.2	1277	1078	27	2.25		
35	32	37.97	5.4	6.30			1.4	1126	951	27	2.55		
37	30	35.57	5.3	6.80			1.6	991	837	27	2.90		
44	25	29.96	5.0	8.00			1.8	860	726	27	3.35		
45	24	28.83	4.9	8.40			0.87	1786	1508	14	0.90	GK79R39 GKF79R39 GKA79R39 GKAF79R39	4P
52	21	24.99	4.7	9.60			0.95	1637	1382	15	1.00		
56	19	23.36	4.6	10			1.1	1437	1213	16	1.15		
65	17	20.19	4.4	11			1.3	1241	1048	17	1.30		
76	14	17.15	4.2	13			1.4	1090	920	17	1.50		
86	13	15.32	4.1	14			1.6	962	812	18	1.70		
100	11	13.08	3.9	15			1.9	836	706	18	1.95		
108	10	12.14	3.8	16			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		
						GK129R79 GKF129R79 GKA129R79 GKAF129R79	1.5	1069	903	5.4	0.80	GK69R39 GKF69R39 GKA69R39 GKAF69R39	4P
0.09	17734	14975	70	0.80			1.7	939	793	9.1	0.95		
0.11	14732	12440	75	0.95			1.9	825	697	10	1.05		
0.12	12925	10914	76	1.10			2.1	726	613	11	1.20		
0.13	11628	9819	76	1.20			2.4	642	542	11	1.35		
0.16	9999	8443	77	1.40			2.8	558	471	12	1.55		
0.18	8862	7483	77	1.60			3.1	497	420	12	1.75		
0.20	7775	6565	78	1.80			3.6	428	361	12	2.05		
0.23	6874	5804	78	2.00			4.1	383	323	12	2.25		
0.26	5953	5027	78	2.35			4.7	330	279	12	2.65		
0.30	5238	4423	78	2.70		GK109R79 GKF109R79 GKA109R79 GKAF109R79	2.1	728	615	5.3	0.90	GK59R39 GKF59R39 GKA59R39 GKAF59R39	4P
0.34	4606	3889	78	3.00			2.4	644	544	7.4	1.00		
0.40	3921	3311	78	3.55			2.8	560	473	7.9	1.15		
0.16	9863	8328	62	0.85			3.1	499	421	8.2	1.30		
0.18	8608	7269	62	1.00			3.6	429	362	8.5	1.50		
0.21	7324	6184	62	1.15			4.1	378	319	8.6	1.70		
0.23	6705	5662	62	1.25			4.7	332	280	8.8	1.90		
0.25	6085	5138	62	1.40			5.3	291	246	8.9	2.20		
0.30	5163	4360	62	1.65			6.1	255	215	9.1	2.50		
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									

*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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole
0.18kW							0.18kW						
6.8	227	192	9.1	2.80	GK59R39	4P	44	37	29.96	5.0	5.10	GK39 GKF39 GKA39 GKAF39	4P
7.9	197	166	9.2	3.25	GKF59R39		45	36	28.83	4.9	5.30		
					GKA59R39		52	31	24.99	4.7	6.20		
					GKAF59R39		56	29	23.36	4.6	6.40		
3.5	444	375	5.6	0.95	GK49R39 GKF49R39 GKA49R39 GKAF49R39	4P	65	25	20.19	4.4	7.00		
4.0	387	327	6.1	1.10			76	21	17.15	4.2	8.10		
4.5	342	289	6.6	1.25			86	19	15.32	4.1	8.80		
5.1	303	256	6.9	1.40			100	16	13.08	3.9	9.70		
5.8	266	225	7.1	1.60			108	15	12.14	3.8	10		
6.6	234	198	7.3	1.80			125	13	10.49	3.6	12		
7.7	203	171	7.5	2.10			147	11	8.91	3.4	14		
8.6	181	153	7.6	2.35			165	9.9	7.96	3.3	15		
10	155	131	7.6	2.75									
6.4	243	205	5.0	0.85	GK39R19	4P	0.25kW						
7.2	214	181	5.4	1.00	GKF39R19		0.14	16151	9819	72	0.85	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P
8.2	189	160	5.6	1.10	GKA39R19		0.16	13887	8443	75	1.00		
9.6	161	136	5.8	1.30	GKAF39R19		0.18	12308	7483	76	1.15		
10	150	127	5.9	1.40			0.20	10798	6565	77	1.30		
5.9	276	144.79	12	2.90	GK69	6P	0.23	9547	5804	77	1.45		
6.9	236	123.54	12	3.40	GKF69		0.26	8269	5027	78	1.70		
7.9	206	108.03	12	3.80	GKA69		0.30	7275	4423	78	1.95		
8.3	196	102.62	12	4.00	GKAF69		0.34	6397	3889	78	2.20		
9.0	180	144.79	12	4.30	GK69	4P	0.40	5446	3311	78	2.55	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
11	154	123.54	12	5.10	GKF69		0.22	10019	6184	62	0.85		
12	135	108.03	12	5.80	GKA69		0.23	9173	5662	62	0.90		
					GKAF69		0.26	8324	5138	62	1.00		
5.9	279	145.15	8.9	2.10	GK59	6P	0.31	7064	4360	62	1.20		
6.9	238	123.85	9.0	2.50	GKF59		0.35	6174	3811	62	1.35		
7.8	208	108.29	9.1	2.80	GKA59		0.40	5440	3358	62	1.55		
8.3	198	102.88	9.1	3.00	GKAF59		0.45	4823	2977	62	1.75		
9.4	173	90.26	9.2	3.40			0.51	4209	2598	62	2.00	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
9.0	181	145.15	9.2	3.20	GK59 GKF59 GKA59 GKAF59	4P	0.58	3704	2286	62	2.25		
11	154	123.85	9.3	3.70			0.69	3141	1939	62	2.65		
12	135	108.29	9.3	4.30			0.78	2775	1713	62	3.00	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
13	128	102.88	9.3	4.50			0.86	2519	1555	62	3.30		
15	113	90.26	9.4	5.10			1.0	2164	1336	62	3.85		
17	95	76.56	9.4	6.00			0.43	5035	3108	38	0.85	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P
6.4	253	131.87	7.0	1.55	GK49	6P	0.48	4465	2756	38	1.00		
7.0	233	121.48	7.2	1.65	GKF49		0.55	3919	2419	38	1.15	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P
8.1	201	104.37	7.4	1.95	GKA49		0.63	3439	2123	38	1.30		
9.4	175	90.86	7.5	2.20	GKAF49		0.72	3007	1856	38	1.50		
10	164	85.12	7.5	2.40			0.82	2633	1625	38	1.70		
10	164	131.87	7.5	2.30	GK49 GKF49 GKA49 GKAF49	4P	0.93	2317	1430	38	1.95		
11	151	121.48	7.6	2.50			1.1	2043	1261	38	2.20		
13	130	104.37	7.7	2.90			1.2	1785	1102	38	2.50		
14	113	90.86	7.7	3.40			1.4	1550	957	38	2.90		
15	106	85.12	7.7	3.60			1.6	1385	855	38	3.25	GK89R59 GKF89R59 GKA89R59 GKAF89R59	4P
8.0	204	106.38	5.2	0.95	GK39	6P	0.64	3381	2087	25	0.85		
8.7	188	97.81	5.4	1.05	GKF39		0.72	3004	1854	26	0.95		
10	161	83.69	5.7	1.20	GKA39		0.80	2686	1658	26	1.05		
12	139	72.54	5.9	1.40	GKAF39		0.94	2292	1415	26	1.25		
12	133	106.38	5.9	1.45	GK39 GKF39 GKA39 GKAF39	4P	1.1	1991	1229	27	1.40		
13	122	97.81	6.0	1.55			1.2	1746	1078	27	1.60		
16	104	83.69	6.1	1.85			1.4	1541	951	27	1.85		
18	90	72.54	6.1	2.10			1.6	1356	837	27	2.10		
19	85	67.80	6.2	2.30			1.8	1176	726	27	2.40		
22	73	58.60	6.0	2.60			2.1	1034	638	27	2.75		
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									

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
0.25kW							0.25kW						
1.3	1698	1048	14	0.95	GK79R39 GKF79R39 GKA79R39 GKAF79R39	4P	9.2	248	145.15	8.9	2.20	GK59 GKF59 GKA59 GKAF59	4P
1.4	1490	920	15	1.10			11	211	123.85	9.1	2.60		
1.6	1316	812	16	1.20			12	185	108.29	9.2	3.00		
1.9	1144	706	17	1.40			13	175	102.88	9.2	3.20		
2.1	1004	620	17	1.60			15	154	90.26	9.3	3.60		
2.4	891	550	18	1.80			17	131	76.56	9.3	4.30		
2.8	783	483	18	2.05			6.4	352	131.87	6.1	1.10	GK49 GKF49 GKA49 GKAF49	6P
3.1	690	426	18	2.35			7.0	324	121.48	6.4	1.20		
3.6	593	366	19	2.70			8.1	278	104.37	6.8	1.40		
4.1	528	326	19	3.05			9.4	242	90.86	7.1	1.60		
4.6	468	289	19	3.45			10	227	85.12	7.2	1.75	GK49 GKF49 GKA49 GKAF49	4P
5.3	407	251	19	3.95			10	225	131.87	7.1	1.65		
6.0	356	220	19	4.50	11	207	121.48	7.3	1.80				
6.9	314	194	19	5.15	13	178	104.37	7.4	2.10				
7.6	282	174	19	5.70	15	155	90.86	7.5	2.40				
							16	145	85.12	7.6	2.60	GK39 GKF39 GKA39 GKAF39	6P
2.2	993	613	7.0	0.85	10	223	83.69	5.0	0.90				
2.5	878	542	10	1.00	12	194	72.54	5.4	1.00				
2.8	763	471	10	1.10	13	181	67.80	5.5	1.10				
3.2	680	420	11	1.25	15	156	58.60	5.7	1.25				
3.7	585	361	11	1.45	17	133	49.79	5.9	1.50				
4.1	523	323	12	1.65	13	181	106.38	5.4	1.00	GK39 GKF39 GKA39 GKAF39	4P		
4.8	452	279	12	1.90	14	167	97.81	5.6	1.10				
5.4	399	246	12	2.15	16	143	83.69	5.8	1.30				
6.1	352	217	12	2.45	18	124	72.54	5.9	1.50				
3.2	682	421	5.5	0.90	20	116	67.80	5.9	1.60				
3.7	586	362	7.4	1.05	23	100	58.60	5.7	1.85				
4.2	517	319	8.0	1.20	27	85	49.79	5.5	2.20				
4.8	454	280	8.3	1.40	30	76	44.46	5.4	2.50				
5.4	399	246	8.5	1.55	35	65	37.97	5.2	2.90				
6.2	348	215	8.7	1.80	37	61	35.57	5.1	3.10				
6.9	311	192	8.8	2.00	44	51	29.96	4.8	3.60				
8.0	269	166	9.0	2.35	46	49	28.83	4.8	3.80				
9.2	235	145	9.1	2.65	53	43	24.99	4.6	4.40				
10	209	129	9.1	3.00	57	40	23.36	4.5	4.60				
12	180	111	9.2	3.50	66	34	20.19	4.4	5.00				
14	157	97	9.3	4.00	78	29	17.15	4.2	5.70				
4.2	544	153.40	19	2.90	87	26	15.32	4.0	6.20				
4.7	478	134.74	19	3.30	102	22	13.08	3.8	6.90				
5.0	454	128.00	19	3.40	110	21	12.14	3.7	7.20				
5.7	401	113.10	19	3.90	127	18	10.49	3.6	8.30				
4.4	511	191.40	19	2.80	149	15	8.91	3.4	9.80				
4.8	477	178.64	19	3.00	167	14	7.96	3.3	11.00				
5.5	409	153.40	19	3.70	196	12	6.80	3.1	12.00				
6.3	360	134.74	19	4.20	209	11	6.37	3.1	12.00				
0.37kW							0.37kW						
5.2	438	123.54	12	1.90	GK69 GKF69 GKA69 GKAF69	8P	0.18	17942	7483	69	0.75	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P
5.9	383	108.03	12	2.20			0.20	15741	6565	73	0.90		
6.2	364	102.62	12	2.30			0.23	13916	5804	75	1.00		
7.1	319	90.04	12	2.60			0.26	12053	5027	76	1.15		
5.9	386	144.79	12	2.10	GK69 GKF69 GKA69 GKAF69	6P	0.30	10605	4423	77	1.30		
6.9	330	123.54	12	2.50			0.34	9325	3889	77	1.45		
7.9	288	108.03	12	2.80			0.40	7939	3311	78	1.75		
8.3	274	102.62	12	3.00			0.69	4618	1926	78	2.95		
9.2	247	144.79	12	3.10	GK69 GKF69 GKA69 GKAF69	4P	0.76	4213	1757	78	3.25	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P
11	211	123.54	12	3.60			0.86	3695	1541	78	3.70		
12	184	108.03	12	4.10									
13	175	102.62	12	4.30									
5.9	387	145.15	8.5	1.50	GK59 GKF59 GKA59 GKAF59	6P	0.35	9138	3811	62	0.90	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
6.9	330	123.85	8.7	1.80			0.40	8052	3358	62	1.05		
7.8	289	108.29	8.8	2.00			0.45	7138	2977	62	1.15		
8.3	275	102.88	8.9	2.20			0.51	6229	2598	62	1.35		
9.4	241	90.26	9.0	2.50			0.58	5481	2286	62	1.55		
11	204	76.56	9.1	2.90			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	n_a [r/min]	M_a [N.m]	i	F_{Ra} [kN]	f_B	机型号 Type size	极数 Pole
0.37kW							0.37kW						
0.78	4107	1713	62	2.05	GK109R79	4P	3.8	886	174.19	27	3.00	GK89	8P
0.86	3728	1555	62	2.25	GKF109R79		4.0	836	164.34	27	3.20	GKF89	
1.0	3203	1336	62	2.60	GKA109R79		4.5	749	147.33	27	3.50	GKA89	
1.1	2796	1166	62	3.00	GKAF109R79							GKAF89	
0.63	5090	2123	38	0.90	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P	4.5	744	197.37	27	3.50	GK89	6P
0.72	4450	1856	38	1.00			5.1	657	174.19	27	4.00	GKF89	
0.82	3896	1625	38	1.15								GKA89	8P
0.93	3429	1430	38	1.30								GKAF89	
1.1	3024	1261	38	1.50			4.9	685	134.74	18	2.20	GK79	8P
1.2	2642	1102	38	1.70			5.2	651	128.00	18	2.30	GKF79	
1.4	2295	957	38	1.95			5.8	575	113.10	19	2.60	GKA79	
1.6	2050	855	38	2.20			6.8	492	96.66	19	3.10	GKAF79	
1.8	1782	743	38	2.50			5.8	579	153.40	19	2.60	GK79	6P
2.0	1561	651	38	2.90			6.6	508	134.74	19	2.90	GKF79	
2.3	1374	573	38	3.25			7.0	483	128.00	19	3.10	GKA79	
							7.9	427	113.10	19	3.50	GKAF79	
0.94	3393	1415	25	0.85	GK89R59 GKF89R59 GKA89R59 GKAF89R59	4P	6.9	483	191.40	19	3.00	GK79	4P
1.1	2947	1229	26	0.95			7.4	451	178.64	19	3.20	GKF79	
1.2	2585	1078	26	1.10			8.7	387	153.40	19	3.90	GKA79	
1.4	2280	951	27	1.25								GKAF79	
1.6	2007	837	27	1.40			6.1	549	108.03	11	1.45	GK69	8P
1.8	1741	726	27	1.60			6.4	522	102.62	12	1.55	GKF69	
2.1	1530	638	27	1.85			7.3	458	90.04	12	1.75	GKA69	
2.4	1348	562	27	2.10								GKAF69	
2.8	1137	474	27	2.50			7.2	466	123.54	12	1.70	GK69	6P
3.1	1021	426	27	2.75			8.2	407	108.03	12	1.95	GKF69	
3.6	894	373	27	3.15			8.7	387	102.62	12	2.00	GKA69	
							9.9	340	90.04	12	2.30	GKAF69	
1.6	1947	812	10	0.85	GK79R39 GKF79R39 GKA79R39 GKAF79R39	4P	9.2	365	144.79	12	2.20	GK69	4P
1.9	1693	706	14	0.95			11	312	123.54	12	2.60	GKF69	
2.1	1487	620	16	1.10			12	273	108.03	12	3.00	GKA69	
2.4	1319	550	16	1.20			15	227	90.04	12	3.60	GKAF69	
2.8	1158	483	17	1.40			17	193	76.37	12	4.20		6P
3.1	1021	426	18	1.60			7.2	467	123.85	8.1	1.25	GK59	
3.6	878	366	18	1.85			8.2	408	108.29	8.3	1.40	GKF59	
4.1	782	326	18	2.05			8.7	388	102.88	8.4	1.50	GKA59	
4.6	693	289	18	2.30			9.9	340	90.26	8.6	1.70	GKAF59	4P
5.3	602	251	19	2.70			11.6	289	76.56	8.8	2.00		
6.0	528	220	19	3.05			12.9	261	69.12	8.9	2.20		
6.9	465	194	19	3.45			9.2	366	145.15	8.6	1.60	GK59	
7.6	417	174	19	3.85			11	313	123.85	8.8	1.90	GKF59	6P
8.7	367	153	19	4.40			12	273	108.29	8.9	2.20	GKA59	
							13	260	102.88	8.9	2.30	GKAF59	
							15	228	90.26	9.1	2.60		
3.2	1007	420	8.6	0.85	GK69R39 GKF69R39 GKA69R39 GKAF69R39	4P	17	193	76.56	9.2	3.10		4P
3.7	866	361	10	1.00			19	174	69.12	9.2	3.40		
4.1	774	323	11	1.10			8.5	394	104.37	5.2	1.00	GK49	6P
4.8	669	279	11	1.30			9.8	343	90.86	6.2	1.10	GKF49	
5.4	590	246	12	1.45			10	321	85.12	6.4	1.20	GKA49	
6.1	520	217	12	1.65			12	284	75.20	6.7	1.35	GKAF49	
7.0	458	191	12	1.85									4P
8.0	398	166	12	2.15			10	333	131.87	6.4	1.20	GK49	
9.2	345	144	12	2.50			11	307	121.48	6.6	1.30	GKF49	
11	293	122	12	2.95			13	263	104.37	7.0	1.50	GKA49	
4.8	671	280	7.1	0.95	GK59R39 GKF59R39 GKA59R39 GKAF59R39	4P							4P
5.4	590	246	7.6	1.05			15	229	90.86	7.2	1.70	GK49	
6.2	516	215	8.1	1.20			16	215	85.12	7.3	1.85	GKF49	
6.9	460	192	8.3	1.35			18	190	75.20	7.4	2.10	GKA49	
8.0	398	166	8.6	1.55			19	176	69.84	7.5	2.20	GKAF49	4P
9.2	348	145	8.7	1.80			21	160	63.30	7.6	2.50		
10	309	129	8.9	2.00									
12	266	111	9.0	2.35									
14	233	97	9.1	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	n_a [r/min]	M_a [N.m]	i	F_{Ra} [kN]	f_B	机型号 Type size	极数 Pole
0.37kW							0.55kW						
14	247	97.81	2.4	0.80	GK39 GKF39 GKA39 GKAF39	4P	1.3	3513	1030	62	2.30	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
16	211	83.69	5.2	0.95			1.5	3083	904	62	2.60		
18	183	72.54	5.4	1.10			1.8	2704	793	62	2.95		
20	171	67.80	5.3	1.15			2.0	2374	696	62	3.35		
23	148	58.60	5.2	1.35			2.3	2094	614	62	3.80		
27	126	49.79	5.1	1.55			0.97	4877	1430	38	0.90	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P
30	112	44.46	5.0	1.75			1.1	4300	1261	38	1.00		
35	96	37.97	4.8	2.10			1.3	3758	1102	38	1.15		
37	90	35.57	4.7	2.20			1.5	3264	957	38	1.30		
44	76	29.96	4.6	2.60			1.6	2916	855	38	1.45		
46	73	28.83	4.5	2.70			1.9	2534	743	38	1.70		
53	63	24.99	4.4	3.10			2.1	2220	651	38	1.95		
57	59	23.36	4.3	3.30			2.4	1954	573	38	2.20		
66	51	20.19	4.1	3.60			2.8	1719	504	38	2.50		
78	43	17.15	4.0	4.10			3.2	1490	437	38	2.90		
87	39	15.32	3.8	4.50			3.6	1303	382	38	3.30		
102	33	13.08	3.7	4.90			4.6	1040	305	38	4.15		
110	31	12.14	3.6	5.10			1.5	3243	951	25	0.85	GK89R59 GKF89R59 GKA89R59 GKAF89R59	4P
127	26	10.49	3.4	5.90			1.7	2854	837	26	0.95		
149	22	8.91	3.3	7.00			1.9	2476	726	26	1.10		
167	20	7.96	3.2	7.60	2.2	2176	638	27	1.25				
196	17	6.80	3.0	8.60	2.5	1917	562	27	1.40				
209	16	6.37	3.0	8.90	2.9	1617	474	27	1.65				
248	14	5.36	2.8	10	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	GK79R39 GKF79R39 GKA79R39 GKAF79R39	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	GK69R39 GKF69R39 GKA69R39 GKAF69R39	4P		
					5.7	839	246	10	1.00				
					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	GK59R39 GKF59R39 GKA59R39 GKAF59R39	4P		
					8.4	566	166	7.5	1.05				
					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	GK89 GKF89 GKA89 GKAF89	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	GK89	6P
5.1	977	174.19	27	2.70	GKF89	
5.4	921	164.34	27	2.80	GKA89	
6.0	826	147.33	27	3.10	GKAF89	
4.9	1019	134.74	17	1.50	GK79	8P
5.2	968	128.00	17	1.55	GKF79	
5.8	855	113.10	18	1.75	GKA79	
6.8	731	96.66	18	2.10	GKAF79	
5.8	860	153.40	18	1.70	GK79	6P
6.6	755	134.74	18	1.95	GKF79	
7.0	718	128.00	18	2.10	GKA79	
7.9	634	113.10	18	2.30	GKAF79	
9.1	551	153.40	19	2.60	GK79	4P
10	484	134.74	19	3.00	GKF79	
11	459	128.00	19	3.10	GKA79	
12	406	113.10	19	3.50	GKAF79	
14	347	96.66	19	4.10		
7.2	693	123.54	11	1.15	GK69	6P
8.2	606	108.03	11	1.30	GKF69	
8.7	575	102.62	11	1.35	GKA69	
9.9	505	90.04	12	1.55	GKAF69	
12	428	76.37	12	1.85		
11	443	123.54	12	1.70	GK69	4P
13	388	108.03	12	1.95	GKF69	
15	323	90.04	12	2.40	GKA69	
18	274	76.37	12	2.80	GKAF69	
8.2	607	108.29	7.0	0.95	GK59 GKF59 GKA59 GKAF59	6P
8.7	577	102.88	7.2	1.00		
9.9	506	90.26	7.8	1.15		
12	429	76.56	8.2	1.35		
13	388	69.12	8.4	1.50		
15	341	60.81	8.6	1.70		
15	322	57.42	8.7	1.80		
11	445	123.85	8.1	1.25	GK59 GKF59 GKA59 GKAF59	4P
13	389	108.29	8.4	1.45		
14	369	102.88	8.4	1.50		
15	324	90.26	8.6	1.70		
18	275	76.56	8.8	2.00		
20	248	69.12	8.9	2.20		
23	218	60.81	9.0	2.60		
24	206	57.42	9.1	2.70		
13	375	104.37	5.6	1.00	GK49 GKF49 GKA49 GKAF49	4P
15	326	90.86	6.2	1.15		
16	306	85.12	6.5	1.50		
18	270	75.20	6.8	1.40		
20	251	69.84	6.9	1.50		
22	227	63.30	7.1	1.65	GK49 GKF49 GKA49 GKAF49	4P
24	204	56.83	7.3	1.80		
28	176	48.95	7.4	2.10		
30	165	46.04	7.5	2.20		
24	210	58.60	4.6	0.90	GK39 GKF39 GKA39 GKAF39	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		
39	128	35.57	4.4	1.45		
46	108	29.96	4.2	1.75		
48	103	28.83	4.2	1.80		
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	GK39 GKF39 GKA39 GKAF39	4P
106	47	13.08	3.5	3.30		
114	44	12.14	3.5	3.40		
133	38	10.49	3.3	4.00		
156	32	8.91	3.2	4.70		
175	29	7.96	3.1	5.10		
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	GK189R99 GKA189R99	4P
0.12	54164	11647	169	0.95		
0.19	34148	7343	171	1.50		
0.21	31377	6747	171	1.65		
0.23	27861	5991	171	1.90		
0.16	40129	8629	135	0.85	GK169R99 GKA169R99	4P
0.21	30516	6562	135	1.10		
0.26	24903	5355	135	1.35		
0.34	18969	4079	135	1.75		
0.41	15700	3376	135	2.10		
0.39	16463	3540	107	1.10	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P
0.46	14189	3051	108	1.25		
0.84	7715	1659	110	2.30	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P
1.0	6348	1365	110	2.80		
0.42	15398	3311	72	0.85	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P
0.46	13993	3009	75	0.95		
0.53	12124	2607	76	1.10		
0.72	8957	1926	77	1.45	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P
0.79	8171	1757	77	1.60		
0.90	7166	1541	78	1.85		
1.0	6241	1342	78	2.10		
1.2	5474	1177	78	2.40		
1.4	4767	1025	78	2.80		
1.5	4181	899	78	3.20		
0.81	7966	1713	62	1.00	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
0.89	7231	1555	62	1.10		
1.0	6213	1336	62	1.30		
1.2	5422	1166	62	1.50		
1.3	4790	1030	62	1.65		
1.5	4204	904	62	1.90		
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	GK99R59 GKF99R59 GKA99R59 GKAF99R59	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		
2.4	2665	573	38	1.60		
2.8	2344	504	38	1.85		
3.2	2032	437	38	2.10		
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	GK89R59 GKF89R59 GKA89R59 GKAF89R59	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	GK79R39 GKF79R39 GKA79R39 GKAF79R39	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	GK99 GKF99 GKA99 GKAF99	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	GK89 GKF89 GKA89 GKAF89	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	GK89 GKF89 GKA89 GKAF89	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	GK89 GKF89 GKA89 GKAF89	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	GK79 GKF79 GKA79 GKAF79	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	GK79 GKF79 GKA79 GKAF79	4P
9.1	751	153.40	18	1.95		
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	GK69 GKF69 GKA69 GKAF69	4P
11	605	123.54	11	1.30		
13	529	108.03	11	1.45		
15	441	90.04	12	1.75		
18	374	76.37	12	2.10	GK69 GKF69 GKA69 GKAF69	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	GK59 GKF59 GKA59 GKAF59	4P
13	530	108.29	7.5	1.05		
14	504	102.88	7.8	1.10		
15	442	90.26	8.1	1.30		
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		
0.75kW						
18	368	75.20	5.8	1.00	GK49 GKF49 GKA49 GKAF49	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		
28	240	48.95	7.1	1.55	GK49 GKF49 GKA49 GKAF49	4P
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	GK39 GKF39 GKA39 GKAF39	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	GK189R99 GKA189R99	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	GK169R99 GKA169R99	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	GK169R99 GKA169R99	4P
0.64	14776	2182	135	2.20		
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	GK159R99 GKF159R99 GKA159R99 GKAF159R99	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	GK159R99 GKF159R99 GKA159R99 GKAF159R99	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	GK129R79 GKF129R79 GKA129R79 GKAF129R79	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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole
1.1kW							1.1kW						
1.2	7971	1177	77	1.65	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P	10	960	134.74	17	1.55	GK79 GKF79 GKA79 GKAF79	4P
1.4	6941	1025	78	1.90			11	912	128.00	17	1.60		
1.6	6088	899	78	2.20			12	806	113.10	18	1.80		
1.8	5350	790	78	2.45			14	689	96.66	18	2.10		
2.0	4767	704	78	2.75			16	632	88.61	18	2.30	GK79 GKF79 GKA79 GKAF79	4P
2.3	4131	610	78	3.20			18	554	77.76	19	2.70		
2.6	3718	549	78	3.50			19	525	73.69	19	2.80		
2.9	3230	477	78	4.05	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P	13	770	108.03	10	1.00	GK69 GKF69 GKA69 GKAF69	4P
1.2	7896	1166	62	1.00			14	732	102.62	10	1.05		
1.4	6975	1030	62	1.15			16	642	90.04	11	1.20		
1.5	6122	904	62	1.30			18	544	76.37	11	1.45		
1.8	5370	793	62	1.50			20	492	68.95	12	1.60		
2.0	4713	696	62	1.70			23	432	60.66	12	1.80	GK69 GKF69 GKA69 GKAF69	4P
2.3	4158	614	62	1.90			24	408	57.28	12	1.90		
2.7	3535	522	62	2.25			29	348	48.77	12	2.20		
3.0	3122	461	62	2.55			32	316	44.32	12	2.50		
3.4	2763	408	62	2.90			36	274	38.39	12	2.80		
3.8	2465	364	62	3.25	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P	16	643	90.26	2.3	0.90	GK59 GKF59 GKA59 GKAF59	4P
4.4	2153	318	62	3.70			18	546	76.56	7.4	1.05		
1.9	5032	743	38	0.85			20	493	69.12	7.9	1.15		
2.2	4409	651	38	0.95			23	433	60.81	8.2	1.30		
2.4	3880	573	38	1.10			24	409	57.42	8.3	1.40		
2.8	3413	504	38	1.25			29	349	48.89	8.6	1.65		
3.2	2959	437	38	1.45			32	317	44.43	8.7	1.80		
3.7	2587	382	38	1.65	GK89R59 GKF89R59 GKA89R59 GKAF89R59	4P	36	274	38.49	8.9	2.10		
4.1	2316	342	38	1.85			39	254	35.70	8.9	2.20		
3.0	3210	474	25	0.85			46	216	30.28	9.1	2.60		
3.3	2885	426	26	0.95			51	195	27.34	9.0	2.90		
3.8	2526	373	26	1.05			58	171	24.05	8.8	3.30	GK59 GKF59 GKA59 GKAF59	4P
4.2	2235	330	26	1.20			62	162	22.71	8.6	3.50		
4.8	1984	293	27	1.35			72	138	19.34	8.3	4.00		
5.6	1693	250	27	1.60			80	125	17.57	8.1	4.20		
5.9	1598	236	27	1.70			92	108	15.22	7.8	4.70		
7.0	1361	201	27	2.00			106	94	13.25	7.5	5.10		
3.9	2546	176.05	38	1.60			117	85	11.92	7.2	4.60		
4.5	2216	153.21	38	1.80	GK99 GKF99 GKA99 GKAF99	8P	124	80	11.26	7.1	4.90		
4.9	2029	140.28	38	2.00			146	68	9.59	6.8	5.60		
5.6	1792	123.93	38	2.20			161	62	8.71	6.6	6.00		
5.2	1931	176.05	38	2.10			185	54	7.55	6.3	6.40		
5.9	1680	153.21	38	2.50	GK99 GKF99 GKA99 GKAF99	6P	213	47	6.57	6.1	7.00		
6.5	1538	140.28	38	2.70			25	405	56.83	3.1	0.95	GK49 GKF49 GKA49 GKAF49	4P
7.3	1359	123.93	38	3.00			29	349	48.95	6.0	1.10		
8.0	1255	176.05	38	3.30			30	328	46.04	6.3	1.15		
9.1	1092	153.21	38	3.70	GK99 GKF99 GKA99 GKAF99	4P	35	282	39.61	6.7	1.35	GK49 GKF49 GKA49 GKAF49	4P
10	1000	140.28	38	4.10			40	252	35.39	6.7	1.50		
5.2	1910	174.19	27	1.35	GK89 GKF89 GKA89 GKAF89	6P	45	223	31.30	6.6	1.70		
5.5	1802	164.34	27	1.45			48	209	29.32	6.5	1.80		
6.2	1616	147.33	27	1.60			54	185	25.91	6.4	2.10		
7.2	1392	126.91	27	1.85			64	155	21.81	6.2	2.40		
8.0	1242	174.19	27	2.10	GK89 GKF89 GKA89 GKAF89	4P	72	140	19.58	6.0	2.70		
8.5	1171	164.34	27	2.20			47	214	29.96	3.2	0.90	GK39 GKF39 GKA39 GKAF39	4P
9.5	1050	147.33	27	2.40			56	178	24.99	3.3	1.05		
11	905	126.91	27	2.80			60	167	23.36	3.3	1.10		
12	826	115.82	27	3.10			69	144	20.19	3.2	1.20		
6.8	1478	134.74	15	1.00	GK79 GKF79 GKA79 GKAF79	6P	82	122	17.15	3.2	1.40		
7.1	1404	128.00	15	1.05			91	109	15.32	3.2	1.50		
8.0	1240	113.10	16	1.20			107	93	13.08	3.1	1.70		
9.4	1060	96.66	17	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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole			
1.1kW							1.5kW									
115	87	12.14	3.1	1.75	GK39 GKF39 GKA39 GKAF39	4P	2.4	5291	573	38	0.80	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P			
133	75	10.49	3.0	2.00			2.8	4654	504	38	0.90					
157	64	8.91	2.9	2.40			3.2	4035	437	38	1.05					
176	57	7.96	2.8	2.60			3.7	3528	382	38	1.20					
206	48	6.80	2.7	2.90			4.1	3158	342	38	1.35					
220	45	6.37	2.7	3.00			4.6	2817	305	38	1.55					
261	38	5.36	2.6	3.50			5.4	2383	258	38	1.80					
1.5kW							6.0	2142	232	38	2.00					
0.21	62305	6747	154	0.80	GK189R99 GKA189R99	4P	7.0	1838	199	38	2.35					
0.23	55324	5991	165	0.95			4.2	3047	330	25	0.90	GK89R59 GKF89R59 GKA89R59 GKAF89R59	4P			
0.26	49478	5358	171	1.05			4.8	2706	293	26	1.00					
0.29	44483	4817	171	1.15			5.6	2309	250	26	1.15					
0.32	40355	4370	171	1.30	5.9	2179	236	27	1.25							
0.39	33327	3609	171	1.50	7.0	1856	201	62	1.45	GK109 GKF109 GKA109 GKAF109	8P					
0.46	28276	3062	171	1.80	7.7	1690	183	27	1.60							
0.56	23262	2519	171	2.20	4.7	2871	143.47	62	2.70							
0.62	20944	2268	171	2.50	GK169R99 GKA169R99	4P	5.6	2431	121.46	62	3.20	GK99 GKF99 GKA99 GKAF99	8P			
0.34	37668	4079	135	0.85			6.0	2250	112.41	62	3.50					
0.41	31176	3376	135	1.05			4.4	3066	153.21	38	1.35					
0.51	25441	2755	135	1.30			4.8	2807	140.28	38	1.50					
0.64	20150	2182	135	1.60	GK169R99 GKA169R99	4P	5.5	2480	123.93	38	1.70	GK99 GKF99 GKA99 GKAF99	8P			
0.82	15736	1704	135	2.10			5.3	2549	176.05	38	1.55					
0.99	13002	1408	135	2.50			6.1	2218	153.21	38	1.80					
1.08	11968	1296	135	2.70			6.7	2031	140.28	38	1.95					
0.60	21452	2323	105	0.80	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P	7.6	1794	123.93	38	2.20	GK99 GKF99 GKA99 GKAF99	6P			
0.84	15320	1659	108	1.10			8.0	1711	176.05	38	2.40					
1.0	12605	1365	109	1.35			9.1	1489	153.21	38	2.80					
1.1	11349	1229	109	1.50			10	1364	140.28	38	3.00					
1.3	10093	1093	110	1.70	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P	11	1205	123.93	38	3.40	GK99 GKF99 GKA99 GKAF99	4P			
1.5	8699	942	110	1.95			6.4	2133	147.33	26	1.20					
1.6	7877	853	110	2.15			7.4	1837	126.91	27	1.35					
2.5	5236	567	110	3.25			8.1	1677	115.82	27	1.50					
2.8	4654	504	111	3.65	GK129R89 GKF129R89 GKA129R89 GKAF129R89	4P	9.2	1487	102.71	27	1.70	GK89 GKF89 GKA89 GKAF89	6P			
2.6	4977	539	78	2.50			8.0	1693	174.19	27	1.55					
3.3	3878	420	78	3.15			8.5	1597	164.34	27	1.60					
3.8	3398	368	78	3.65			9.5	1432	147.33	27	1.80					
0.80	16225	1757	70	0.80	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P	11	1234	126.91	27	2.10	GK89 GKF89 GKA89 GKAF89	4P			
0.91	14230	1541	74	0.90			12	1126	115.82	27	2.30					
1.0	12393	1342	76	1.05			14	998	102.71	27	2.60					
1.2	10869	1177	76	1.20			16	839	86.34	27	3.10					
1.4	9465	1025	77	1.40			8.3	1637	113.10	13	0.90	GK79 GKF79 GKA79 GKAF79	6P			
1.6	8302	899	77	1.60			9.7	1399	96.66	15	1.05					
1.8	7295	790	78	1.80			11	1283	88.61	16	1.10					
2.0	6501	704	78	2.00			12	1126	77.76	17	1.30					
2.3	5633	610	78	2.35			10	1310	134.74	16	1.15					
2.6	5070	549	78	2.55			11	1244	128.00	16	1.20	GK79 GKF79 GKA79 GKAF79	4P			
2.9	4405	477	78	3.00			12	1099	113.10	17	1.35					
3.3	3869	419	78	3.45			14	940	96.66	17	1.55					
1.4	9512	1030	62	0.85	16	861	88.61	18	1.70							
1.5	8348	904	62	0.95	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P	18	756	77.76	18	1.95	GK79 GKF79 GKA79 GKAF79	4P			
1.8	7323	793	62	1.10			19	716	73.69	18	2.10					
2.0	6427	696	62	1.25			22	627	64.49	18	2.40					
2.3	5670	614	62	1.40			24	565	58.10	19	2.60					
2.7	4820	522	62	1.65			27	495	50.97	19	3.00					
3.0	4257	461	62	1.90			31	437	44.98	19	3.40					
3.4	3768	408	62	2.10			35	388	39.88	19	3.80					
3.8	3361	364	62	2.40												
4.4	2937	318	62	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	n_a [r/min]	M_a [N.m]	i	F_{Ra} [kN]	f_B	机型号 Type size	极数 Pole				
1.5kW							2.2kW										
16	875	90.04	8.9	0.90	GK69 GKF69 GKA69 GKAF69	4P	0.66	28933	2182	135	1.10	GK169R99 GKA169R99	4P				
18	742	76.37	10	1.05			0.84	22595	1704	135	1.40						
20	670	68.95	11	1.15			1.02	18670	1408	135	1.70						
23	590	60.66	11	1.35			1.10	17185	1296	135	1.85						
24	557	57.28	11	1.40			1.30	14599	1101	135	2.20						
29	474	48.77	12	1.65	GK69 GKF69 GKA69 GKAF69	4P	1.51	12517	944	135	2.50	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P				
32	431	44.32	12	1.80			0.86	21998	1659	104	0.80						
36	373	38.39	12	2.00			1.0	18100	1365	106	1.00						
39	346	35.61	12	2.30			1.2	16296	1229	107	1.10						
46	294	30.21	12	2.70			1.3	14493	1093	108	1.20						
51	265	27.27	12	3.00	GK59 GKF59 GKA59 GKAF59	4P	1.5	12491	942	109	1.40	GK129R89 GKF129R89 GKA129R89 GKAF129R89	4P				
58	233	23.99	12	3.30			1.7	11311	853	109	1.55						
23	591	60.81	7.1	0.95			1.9	10024	756	110	1.80						
24	558	57.42	7.4	1.05			2.7	7147	539	78	1.80						
29	475	48.89	8.0	1.20			3.0	6312	476	78	2.05						
32	432	44.43	8.2	1.35	GK59 GKF59 GKA59 GKAF59	4P	3.4	5569	420	78	2.30	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P				
36	374	38.49	8.5	1.55			3.9	4880	368	78	2.65						
39	347	35.70	8.6	1.65			4.3	4389	331	78	2.95						
46	294	30.28	8.7	1.95			1.4	13591	1025	74	0.95						
51	266	27.34	8.6	2.20			1.6	11921	899	76	1.10						
58	234	24.05	8.3	2.50	GK49 GKF49 GKA49 GKAF49	4P	1.8	10475	790	76	1.25	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P				
62	221	22.71	8.2	2.60			2.0	9335	704	77	1.40						
72	188	19.34	7.9	2.90			2.3	8088	610	77	1.60						
35	385	39.61	5.6	1.00			2.6	7280	549	78	1.80						
40	344	35.39	6.0	1.10			3.0	6325	477	78	2.05						
45	304	31.30	6.0	1.25	GK49 GKF49 GKA49 GKAF49	4P	3.4	5556	419	78	2.35	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P				
48	285	29.32	6.0	1.35			2.3	8142	614	62	1.00						
54	252	25.91	5.9	1.50			2.7	6922	522	62	1.15						
64	212	21.81	5.7	1.80			3.1	6113	461	62	1.30						
72	190	19.58	5.7	2.00			3.5	5410	408	62	1.45						
83	164	16.86	5.5	2.20	GK49 GKF49 GKA49 GKAF49	4P	3.9	4827	364	62	1.65	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P				
88	154	15.86	5.4	2.40			4.5	4217	318	62	1.90						
103	133	13.65	5.3	2.60			5.0	3792	286	62	2.10						
115	118	12.19	5.2	2.80			5.7	3328	251	62	2.40						
119	114	11.77	5.1	2.30			3.7	5065	382	38	0.85			GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P		
60	227	23.36	2.7	0.80	4.2	4535	342	38	0.95								
69	196	20.19	2.8	0.90	4.7	4044	305	38	1.05								
82	167	17.15	2.8	1.05	5.5	3421	258	38	1.25								
91	149	15.32	2.8	1.10	6.2	3076	232	38	1.40								
107	127	13.08	2.8	1.25	GK39 GKF39 GKA39 GKAF39	4P	7.2	2639	199	38	1.60	GK109 GKF109 GKA109 GKAF109	8P				
115	118	12.14	2.8	1.30			4.9	4033	143.47	62	1.85						
133	102	10.49	2.7	1.50			5.8	3414	121.46	62	2.20						
157	87	8.91	2.7	1.75			6.3	3160	112.41	62	2.40						
176	77	7.96	2.6	1.90			7.0	2832	100.75	62	2.70						
206	66	6.80	2.6	2.20	GK39 GKF39 GKA39 GKAF39	4P	6.1	3253	153.21	38	1.25	GK99 GKF99 GKA99 GKAF99	6P				
220	62	6.37	2.5	2.20			6.7	2979	140.28	38	1.35						
261	52	5.36	2.5	2.60			7.6	2631	123.93	38	1.55						
2.2kW							8.9	2232	105.13	38	1.85			GK99 GKF99 GKA99 GKAF99	4P		
0.33	57945	4370	158	0.85			GK189R99 GKA189R99	4P	8.1	2457	176.05					38	1.65
0.51	37366	2818	171	1.35	9.3	2138			153.21	38	1.90						
0.40	47855	3609	171	1.00	10	1958			140.28	38	2.10						
0.47	40602	3062	171	1.20	12	1730			123.93	38	2.30						
0.57	33401	2519	171	1.50	14	1467			105.13	38	2.80	GK99 GKF99 GKA99 GKAF99	4P				
0.63	30073	2268	171	1.65	GK189R99 GKA189R99	4P	15	1351	96.80	38	3.00						
0.70	27236	2054	171	1.80			9.7	2056	147.33	27	1.25			GK89 GKF89 GKA89 GKAF89	4P		
0.79	24146	1821	171	2.10			11	1771	126.91	27	1.45						
0.89	21282	1605	171	2.30			12	1617	115.82	27	1.55						
0.52	36531	2755	135	0.85	GK169R99 GKA169R99	4P											
0.63	30020	2264	135	1.05													

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
2.2kW							2.2kW						
14	1434	102.71	27	1.75	GK89 GKF89 GKA89 GKAF89	4P	85	235	16.86	4.9	1.50	GK49 GKF49 GKA49 GKAF49	4P
17	1205	86.34	27	2.10			90	221	15.86	4.9	1.60		
18	1107	79.34	27	2.30			105	191	13.65	4.8	1.75		
20	983	70.46	27	2.60			117	170	12.19	4.7	1.95		
23	879	63.00	27	2.90			121	164	11.77	4.6	1.60		
13	1579	113.10	14	0.90	GK79 GKF79 GKA79 GKAF79	4P	135	147	10.56	4.6	1.80	GK39 GKF39 GKA39 GKAF39	4P
15	1349	96.66	15	1.05			157	127	9.10	4.5	2.10		
16	1237	88.61	16	1.15			109	183	13.08	2.3	0.85		
18	1085	77.76	17	1.35			136	146	10.49	2.3	1.00		
19	1029	73.69	17	1.40			160	124	8.91	2.3	1.20		
22	900	64.49	17	1.60	GK79 GKF79 GKA79 GKAF79	4P	180	111	7.96	2.3	1.30	GK189R99 GKA189R99	4P
25	811	58.10	18	1.80			210	95	6.80	2.3	1.50		
28	711	50.97	18	2.00			224	89	6.37	2.3	1.55		
32	628	44.98	18	2.30			267	75	5.36	2.2	1.75		
36	557	39.88	19	2.60			3kW						
41	489	35.05	19	3.00	GK69 GKF69 GKA69 GKAF69	4P	0.47	55366	3062	160	0.90	GK169R99 GKA169R99	4P
46	429	30.76	19	3.40			0.51	50954	2818	170	0.95		
49	407	29.15	19	3.60			0.57	45547	2519	171	1.05		
56	356	25.51	19	4.10			0.63	41009	2268	171	1.20		
24	847	60.66	9.0	0.90			0.70	37140	2054	171	1.30		
25	799	57.28	10	0.95	GK69 GKF69 GKA69 GKAF69	4P	0.79	32927	1821	171	1.50	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P
29	681	48.77	11	1.15			0.9	29021	1605	171	1.70		
32	619	44.32	11	1.25			1.0	25224	1395	171	1.95		
37	536	38.39	11	1.40			1.2	21626	1196	171	2.30		
40	497	35.61	12	1.55			0.84	30811	1704	135	1.00		
47	422	30.21	12	1.80	GK69 GKF69 GKA69 GKAF69	4P	1.0	25459	1408	135	1.20	GK129R89 GKF129R89 GKA129R89 GKAF129R89	4P
52	381	27.27	12	2.00			1.1	23434	1296	135	1.35		
60	335	23.99	12	2.20			1.3	19908	1101	135	1.55		
63	316	22.66	12	2.30			1.5	17069	944	135	1.85		
74	269	19.29	12	2.60			1.7	15261	844	135	2.10		
82	245	17.53	12	2.80	GK69 GKF69 GKA69 GKAF69	4P	1.9	13688	757	135	2.30	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P
94	212	15.19	12	3.10			1.2	22222	1229	104	0.80		
108	185	13.22	12	3.40			1.3	19763	1093	105	0.90		
115	174	12.48	12	2.80			1.5	17033	942	107	1.05		
135	148	10.63	12	3.20			1.7	15424	853	108	1.15		
148	135	9.66	12	3.30	GK59 GKF59 GKA59 GKAF59	4P	1.9	13670	756	108	1.30	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
171	117	8.37	12	3.50			2.5	10252	567	109	1.75		
196	102	7.28	12	3.90			2.8	9113	504	110	1.95		
32	620	44.43	4.8	0.90			2.7	9746	539	77	1.30		
37	537	38.49	7.5	1.05			3.0	8607	476	77	1.50		
40	498	35.70	7.8	1.15	GK59 GKF59 GKA59 GKAF59	4P	3.4	7594	420	77	1.70	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
47	423	30.28	7.8	1.35			3.9	6654	368	78	1.95		
52	382	27.34	7.8	1.45			4.3	5985	331	78	2.15		
59	336	24.05	7.6	1.65			5.0	5189	287	78	2.45		
63	317	22.71	7.6	1.75			1.8	14284	790	73	0.90		
74	270	19.34	7.4	2.00	GK59 GKF59 GKA59 GKAF59	4P	2.0	12729	704	75	1.00	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
81	245	17.57	7.2	2.10			2.3	11030	610	76	1.20		
94	212	15.22	7.1	2.40			2.6	9927	549	77	1.30		
108	185	13.25	6.9	2.60			3.0	8625	477	77	1.50		
120	166	11.92	6.5	2.30			3.4	7576	419	77	1.75		
127	157	11.26	6.5	2.50	GK49 GKF49 GKA49 GKAF49	4P	3.1	8336	461	62	0.95	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P
55	362	25.91	5.0	1.05			3.5	7377	408	62	1.05		
66	304	21.81	5.0	1.25			3.9	6582	364	62	1.20		
73	273	19.58	5.0	1.35			4.5	5750	318	62	1.40		
							5.0	5171	286	62	1.55		
					5.7	4538	251	62	1.75	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P		
					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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole		
3kW							3kW								
8.2	3146	174	62	2.55	GK109R79	4P	32	844	44.32	9.0	0.90	GK69 GKF69 GKA69 GKAF69	4P		
9.3	2785	154	62	2.85	GKF109R79		37	731	38.39	10	1.00				
10	2531	140	62	3.15	GKA109R79		40	678	35.61	11	1.15				
					GKAF109R79		47	575	30.21	11	1.35				
5.5	4665	258	38	0.90	GK99R59	4P	52	519	27.27	11	1.45			GK69 GKF69 GKA69 GKAF69	4P
6.2	4195	232	38	1.00	GKF99R59		60	457	23.99	12	1.65				
7.2	3598	199	38	1.20	GKA99R59		63	431	22.66	12	1.70				
					GKAF99R59		74	367	19.29	12	1.95				
4.9	5500	143.47	62	1.40	GK109	8P	82	334	17.53	12	2.10	GK69 GKF69 GKA69 GKAF69	4P		
5.8	4656	121.46	62	1.65	GKF109		94	289	15.19	12	2.20				
6.3	4309	112.41	62	1.80	GKA109		108	252	13.22	12	2.50				
7.0	3862	100.75	62	2.00	GKAF109		115	238	12.48	12	2.10				
7.8	3487	90.96	62	2.20		135	202	10.63	12	2.30	GK59 GKF59 GKA59 GKAF59			4P	
6.7	4068	143.47	62	1.85	GK109	148	184	9.66	12	2.40					
7.9	3444	121.46	62	2.20	GKF109	47	576	30.28	6.8	0.95					
8.5	3187	112.41	62	2.30	GKA109	52	520	27.34	6.8	1.05					
9.5	2856	100.75	62	2.60	GKAF109	59	458	24.05	6.8	1.20					
					GK109	4P	63	432	22.71	6.8		1.30	GK59 GKF59 GKA59 GKAF59		4P
10	2731	143.47	62	2.70	GKF109		74	368	19.34	6.7	1.45				
12	2312	121.46	62	3.20	GKA109		81	334	17.57	6.7	1.55				
					GKAF109		94	290	15.22	6.5	1.70				
7.7	3514	123.93	38	1.15	GK99	108	252	13.25	6.4	1.90	GK49 GKF49 GKA49 GKAF49	4P			
9.1	2981	105.13	38	1.35	GKF99	120	227	11.92	6.1	1.70					
9.9	2744	96.80	38	1.45	GKA99	127	214	11.26	6.1	1.80					
11	2453	86.52	38	1.65	GKAF99	149	183	9.59	5.9	2.10					
8.1	3351	176.05	38	1.20	GK99	164	166	8.71	5.8	2.20					
9.3	2916	153.21	38	1.35	GKF99	189	144	7.55	5.6	2.40					
10	2670	140.28	38	1.50	GKA99	4P	218	125	6.57	5.5	2.60	GK49 GKF49 GKA49 GKAF49	4P		
12	2359	123.93	38	1.70	GKAF99		73	373	19.58	4.2	1.00				
14	2001	105.13	38	2.00	GK99 GKF99 GKA99 GKAF99		85	321	16.86	4.3	1.10				
15	1842	96.80	38	2.20			90	302	15.86	4.3	1.15				
17	1647	86.52	38	2.40		105	260	13.65	4.3	1.30	GK49 GKF49 GKA49 GKAF49			4P	
18	1482	77.89	38	2.70		117	232	12.19	4.3	1.40					
20	1343	70.54	38	3.00		121	224	11.77	4.2	1.15					
23	1191	62.55	38	3.40		135	201	10.56	4.1	1.30					
25	1076	56.55	38	3.70		157	173	9.10	4.1	1.50					
9.7	2804	147.33	26	0.90	GK89	167	163	8.56	4.1	1.55		GK39 GKF39 GKA39 GKAF39	4P		
11	2416	126.91	26	1.05	GKF89	194	140	7.36	4.0	1.65					
12	2204	115.82	26	1.15	GKA89	217	125	6.58	3.9	1.80					
14	1955	102.71	27	1.30	GKAF89	254	107	5.62	3.8	1.95					
17	1643	86.34	27	1.55	GK89 GKF89 GKA89 GKAF89	160	170	8.91	1.9	0.90					
18	1510	79.34	27	1.65		180	152	7.96	1.9	0.95					
20	1341	70.46	27	1.85		210	129	6.80	2.0	1.10					
23	1199	63.00	27	2.10		224	121	6.37	2.0	1.10					
25	1078	56.64	27	2.30		267	102	5.36	2.0	1.30					
29	936	49.16	27	2.70		4kW							GK189R99 GKA189R99	4P	
32	838	44.02	27	2.90		1.7	19991	835	171	2.50					
39	695	36.52	27	3.30		2.8	12449	520	171	4.00					
16	1687	88.61	12	0.85	0.57	60308	2519	152	0.80						
18	1480	77.76	14	0.95	0.63	54299	2268	162	0.90						
19	1403	73.69	15	1.00	0.70	49175	2054	170	1.00						
22	1227	64.49	16	1.15	GK79	4P	0.79	43597	1821	171	1.10	GK189R109 GKA189R109	4P		
25	1106	58.10	17	1.30	GKF79		0.9	38426	1605	171	1.25				
28	970	50.97	17	1.50	GKA79		1.0	33398	1395	171	1.45				
					GKAF79		1.2	28634	1196	171	1.70				
32	856	44.98	18	1.70	GK79		4P								
36	759	39.88	18	1.90	GKF79										
41	667	35.05	18	2.20	GKA79										
46	585	30.76	18	2.50	GKAF79										

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	GK189R99	4P		
1.5	22625	945	171	2.20	GKA189R99			
1.0	33709	1408	135	0.90	GK169R99 GKA169R99	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	GK159R99 GKF159R99 GKA159R99 GKAF159R99	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	GK129R89 GKF129R89 GKA129R89 GKAF129R89	4P		
2.7	12904	539	75	1.00				
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	GK129R79 GKF129R79 GKA129R79 GKAF129R79	4P		
2.4	14604	610	72	0.90				
2.6	13144	549	75	1.00				
3.0	11420	477	76	1.15				
3.4	10031	419	76	1.30	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P		
4.0	8715	364	62	0.90				
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	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4P		
7.2	4764	199	38	0.90				
5.3	6862	136.14	78	1.80			GK129 GKF129 GKA129 GKAF129	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	GK129 GKF129 GKA129 GKAF129	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	GK109 GKF109 GKA109 GKAF109	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	GK109 GKF109 GKA109 GKAF109	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	GK109 GKF109 GKA109 GKAF109	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	GK99 GKF99 GKA99 GKAF99	4P
10	3535	140.28	38	1.15		
12	3123	123.93	38	1.30		
14	2649	105.13	38	1.50	GK99 GKF99 GKA99 GKAF99	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	GK89 GKF89 GKA89 GKAF89	4P
12	2919	115.82	25	0.85		
14	2588	102.71	26	1.00		
17	2176	86.34	26	1.15		
18	1999	79.34	27	1.25	GK89 GKF89 GKA89 GKAF89	4P
20	1776	70.46	27	1.40		
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	GK79 GKF79 GKA79 GKAF79	4P
22	1625	64.49	13	0.90		
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	GK79 GKF79 GKA79 GKAF79	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	GK69 GKF69 GKA69 GKAF69	4P
48	761	30.21	10	1.00		
53	687	27.27	10	1.10		
60	605	23.99	11	1.25		
64	571	22.66	11	1.30	GK69 GKF69 GKA69 GKAF69	4P
75	486	19.29	12	1.45		
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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole
4kW							5.5kW						
60	606	24.05	5.8	0.95	GK59 GKF59 GKA59 GKAF59	4P	7.1	7076	136.14	78	1.75	GK129	6P
63	572	22.71	5.9	1.00			7.8	6366	122.48	78	1.95	GKF129	
74	487	19.34	5.9	1.10			8.7	5727	110.18	78	2.20	GKA129	
82	443	17.57	5.9	1.15			11	4672	89.89	78	2.60	GKAF129	
95	384	15.22	5.9	1.30			8.5	5843	112.41	62	1.30	GK109	6P
109	334	13.25	5.8	1.45			9.5	5237	100.75	62	1.45	GKF109	
121	300	11.92	5.5	1.30			11	4728	90.96	62	1.60	GKA109	
128	284	11.26	5.5	1.35			12	4294	82.61	62	1.75	GKAF109	
150	242	9.59	5.4	1.55			10	4972	143.47	62	1.80	GK109 GKF109 GKA109 GKAF109	4P
165	220	8.71	5.4	1.65			12	4209	121.46	62	1.80		
191	190	7.55	5.3	1.80	13	3895	112.41	62	1.95				
219	166	6.57	5.1	1.95	14	3491	100.75	62	2.20				
5.5kW							16	3152	90.96	62	2.40		
							17	2863	82.61	62	2.60		
0.8	59946	1821	153	0.80	GK189R99 GKA189R99	4P	12	4294	123.93	38	0.95	GK99	4P
0.9	52835	1605	165	0.95			14	3643	105.13	38	1.10	GKF99	
1.0	45922	1395	171	1.05			15	3354	96.80	38	1.20	GKA99	
1.2	39371	1196	171	1.25			17	2998	86.52	38	1.35	GKAF99	
1.4	34434	1046	171	1.45			18	2699	77.89	38	1.50	GK99 GKF99 GKA99 GKAF99	4P
1.5	31109	945	171	1.60			20	2444	70.54	38	1.65		
2.0	24294	738	171	2.00			23	2167	62.55	38	1.85		
2.3	20443	621	171	2.40	GK169R99 GKA169R99	4P	25	1960	56.55	38	2.10	GK89 GKF89 GKA89 GKAF89	4P
1.3	36244	1101	135	0.85			30	1661	47.93	37	2.40		
1.5	31076	944	135	1.00			17	2992	86.34	25	0.85		
1.7	27784	844	135	1.15			18	2749	79.34	26	0.95		
1.9	24920	757	135	1.25			20	2442	70.46	26	1.05	GK89 GKF89 GKA89 GKAF89	4P
2.3	20805	632	135	1.50			23	2183	63.00	26	1.15		
2.6	18468	561	135	1.70			25	1963	56.64	26	1.30		
3.0	15834	481	135	2.00			GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P	29	1703	49.16	26	1.50
3.4	13925	423	135	2.30	33	1525			44.02	25	1.60		
2.2	21760	661	104	0.80	39	1265			36.52	25	1.85		
2.5	18665	567	106	0.95	46	1087			31.38	24	2.30		
2.9	16591	504	107	1.05	52	966			27.87	23	2.50		
3.3	14287	434	108	1.25	32	1559			44.98	14	0.95	GK79 GKF79 GKA79 GKAF79	4P
3.8	12476	379	109	1.45	36	1382			39.88	15	1.05		
4.3	10962	333	109	1.60	47	1066	30.76	17	1.35				
3.4	13826	420	74	0.95	49	1010	29.15	17	1.45				
3.9	12114	368	76	1.05	GK129R89 GKF129R89 GKA129R89 GKAF129R89	4P	56	884	25.51	18	1.65	GK79 GKF79 GKA79 GKAF79	4P
4.4	10896	331	76	1.20			63	796	22.98	18	1.85		
5.0	9448	287	77	1.35			71	699	20.16	18	2.00		
5.7	8362	254	77	1.55			81	616	17.79	18	2.20		
6.8	7012	213	78	1.85			91	546	15.77	18	2.40	GK79 GKF79 GKA79 GKAF79	4P
7.2	6617	201	78	1.95			107	467	13.47	18	2.70		
8.6	5498	167	78	2.35			115	432	12.48	17	2.20		
9.8	4839	147	78	2.70	GK109R79 GKF109R79 GKA109R79 GKAF109R79	4P	132	379	10.95	17	2.50	GK69 GKF69 GKA69 GKAF69	4P
6.5	7308	222	62	1.10			60	831	23.99	9.2	0.90		
7.3	6452	196	62	1.25			64	785	22.66	10	0.95		
8.3	5728	174	62	1.40			75	668	19.29	11	1.05		
9.4	5070	154	62	1.60			82	607	17.53	11	1.15		
10	4609	140	62	1.75			95	526	15.19	11	1.25		
4.8	10424	150.41	109	1.60			GK159 GKF159 GKA159 GKAF159	8P	109	458	13.22	12	1.40
5.9	8482	122.39	110	2.00	115	432			12.48	12	1.15		
7.2	6946	100.22	110	2.40	135	368			10.63	12	1.30		
7.9	6352	91.65	110	2.70	149	335			9.66	12	1.35		
5.3	9435	136.14	77	1.30	GK129 GKF129 GKA129 GKAF129	8P	172	290	8.37	11	1.45		
5.9	8488	122.48	77	1.45			198	252	7.28	11	1.55		
6.5	7636	110.18	77	1.60									
8.0	6230	89.89	78	1.95									

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			
5.5kW							7.5kW									
82	609	17.57	4.8	0.85	GK59 GKF59 GKA59 GKAF59	4P	16	4248	89.89	78	2.90	GK129 GKF129 GKA129 GKAF129	4P			
95	527	15.22	4.9	0.95			18	3874	81.98	78	3.20					
109	459	13.25	5.0	1.05			20	3353	70.95	78	3.70					
121	413	11.92	4.7	0.95			10	6779	143.47	62	1.10	GK109 GKF109 GKA109 GKAF109	4P			
128	390	11.26	4.7	1.00			12	5739	121.46	62	1.30					
150	332	9.59	4.7	1.15			13	5312	112.41	62	1.40					
165	302	8.71	4.7	1.20			14	4761	100.75	62	1.60	GK109 GKF109 GKA109 GKAF109	4P			
191	262	7.55	4.7	1.30			16	4298	90.96	61	1.75					
219	228	6.57	4.7	1.45	17	3904	82.61	60	1.95							
7.5kW							20	3464	73.30	59	2.20			GK109 GKF109 GKA109 GKAF109	4P	
1.7	37483	835	171	1.30	22	3143	66.52	58	2.40							
2.0	32725	729	171	1.50	25	2701	57.17	56	2.80							
2.3	27922	622	171	1.75	29	2358	49.90	55	3.10	GK99 GKF99 GKA99 GKAF99	4P					
1.2	53688	1196	163	0.90	34	2000	42.33	53	3.50							
1.4	46955	1046	171	1.05	39	1748	37.00	51	3.90							
1.5	42421	945	171	1.15	15	4574	96.80	36	0.90			GK99 GKF99 GKA99 GKAF99	4P			
2.0	33129	738	171	1.45	17	4088	86.52	36	1.00							
2.3	27877	621	171	1.75	18	3681	77.89	36	1.10							
2.7	23657	527	171	2.10	20	3333	70.54	36	1.20			GK99 GKF99 GKA99 GKAF99	4P			
1.7	37887	844	135	0.85	23	2956	62.55	36	1.35							
1.9	33982	757	135	0.90	25	2672	56.55	35	1.50							
2.3	28370	632	135	1.10	30	2265	47.93	35	1.80	GK89 GKF89 GKA89 GKAF89	4P					
2.6	25183	561	135	1.25	34	1978	41.87	34	2.00							
3.0	21592	481	135	1.45	38	1809	38.29	33	2.20							
3.4	18988	423	135	1.65	42	1617	34.22	33	2.50							
3.9	16564	369	135	1.90	23	2977	63.00	23	0.85	GK89 GKF89 GKA89 GKAF89	4P					
3.3	19482	434	106	0.95	25	2676	56.64	23	0.95							
3.8	17013	379	107	1.05	29	2323	49.16	23	1.10							
4.3	14948	333	108	1.20	33	2080	44.02	23	1.20							
4.9	13063	291	108	1.40	39	1726	36.52	23	1.35	GK89 GKF89 GKA89 GKAF89	4P					
4.4	14859	331	72	0.90	46	1483	31.38	22	1.70							
5.0	12883	287	75	1.00	52	1317	27.87	22	1.85							
5.7	11402	254	76	1.15	58	1178	24.92	22	2.00							
6.8	9562	213	77	1.35	64	1058	22.40	21	2.00							
7.2	9023	201	77	1.45	74	919	19.45	21	2.40							
8.6	7497	167	78	1.75	83	823	17.41	20	2.50							
9.8	6599	147	78	2.00	90	756	16.00	20	2.20							
4.4	15546	164.50	135	1.95	GK169 GKA169	8P	100	682	14.44	20	2.90	GK79 GKF79 GKA79 GKAF79	4P			
5.3	12757	134.99	135	2.40			47	1453	30.76	15	1.00					
5.9	11539	164.50	135	2.60	GK169 GKA169	6P	49	1377	29.15	15	1.05					
7.2	9469	134.99	135	3.20			56	1205	25.51	16	1.20					
6.4	10551	150.41	109	1.60	GK159 GKF159 GKA159 GKAF159	6P	63	1086	22.98	17	1.35	GK79 GKF79 GKA79 GKAF79	4P			
7.9	8585	122.39	110	1.95			71	953	20.16	17	1.50					
9.7	7030	100.22	110	2.40			81	841	17.79	18	1.60					
11	6429	91.65	110	2.60			91	745	15.77	17	1.75					
12	5594	79.75	110	3.00			107	636	13.47	17	2.00					
7	9550	136.14	77	1.30	GK129 GKF129 GKA129 GKAF129	6P	115	590	12.48	16	1.60			GK79 GKF79 GKA79 GKAF79	4P	
8	8592	122.48	77	1.40			132	517	10.95	16	1.80					
9	7729	110.18	77	1.60			149	456	9.66	15	1.95					
11	6306	89.89	78	1.95			168	405	8.57	15	2.10					
9.9	6902	146.07	78	1.80	GK129 GKF129 GKA129 GKAF129	4P	197	345	7.31	15	2.30					
11	6433	136.14	78	1.90												
12	5787	122.48	78	2.10												
13	5206	110.18	78	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
11kW						
1.7	54222	835	162	0.90	GK189R109 GKA189R109	4P
2.0	47339	729	171	1.05		
2.3	40391	622	171	1.20		
2.8	33767	520	171	1.45		
3.2	29481	454	171	1.65		
4.1	23053	355	171	2.10	GK189R99 GKA189R99	4P
2.0	47923	738	171	1.00		
2.4	40326	621	171	1.20		
2.8	34222	527	171	1.40		
4.6	20585	317	135	1.50	GK169R109 GKA169R109	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	GK169R99 GKA169R99	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	GK159R99 GKF159R99 GKA159R99 GKAF159R99	4P
5.0	18897	291	106	0.95		
6.9	13832	213	74	0.95		
7.3	13052	201	75	1.00	GK129R89 GKF129R89 GKA129R89 GKAF129R89	4P
8.7	10844	167	76	1.20		
9.9	9546	147	77	1.35		
5.4	18454	134.99	135	1.60	GK169 GKA169	8P
6.6	15015	109.83	135	2.00		
5.9	16924	164.50	135	1.80	GK169 GKA169	6P
7.2	13888	134.99	135	2.20		
8.9	11244	164.50	135	2.70	GK169 GKA169	4P
11	9227	134.99	135	3.30		
6.0	16732	122.39	107	1.00	GK159 GKF159 GKA159 GKAF159	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	GK159 GKF159 GKA159 GKAF159	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	GK159 GKF159 GKA159 GKAF159	4P
9.7	10281	150.41	109	1.65		
12	8366	122.39	110	2.00		
15	6850	100.22	110	2.50		
16	6265	91.65	110	2.70	GK129 GKF129 GKA129 GKAF129	4P
11	9306	136.14	77	1.30		
12	8372	122.48	77	1.45		
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	GK109 GKF109 GKA109 GKAF109	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	GK109 GKF109 GKA109 GKAF109	4P
22	4547	66.52	53	1.65		
26	3908	57.17	52	1.90		
29	3411	49.90	51	2.20		
11kW						
34	2893	42.33	50	2.40	GK109 GKF109 GKA109 GKAF109	4P
39	2529	37.00	49	2.70		
21	4822	70.54	31	0.85	GK99 GKF99 GKA99 GKAF99	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	GK99 GKF99 GKA99 GKAF99	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	GK89 GKF89 GKA89 GKAF89	4P
33	3009	44.02	19	0.80		
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	GK89 GKF89 GKA89 GKAF89	4P
65	1531	22.40	19	1.40		
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	GK79 GKF79 GKA79 GKAF79	4P
176	567	8.29	16	2.30		
202	493	7.21	16	2.50		
64	1571	22.98	14	0.90		
72	1378	20.16	15	1.00		
82	1216	17.79	16	1.10	GK79 GKF79 GKA79 GKAF79	4P
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	GK189R109 GKA189R109	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	GK169R109 GKA169R109	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	GK159R109 GKF159R109 GKA159R109 GKAF159R109	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	GK189	6P
5.9	23178	165.21	171	2.10	GKA189	
7.2	18939	134.99	135	1.60	GK169	6P
8.8	15409	109.83	135	1.95	GKA169	
8.9	15333	164.50	135	2.00	GK169	4P
11	12583	134.99	135	2.40	GKA169	
7.9	17171	122.39	107	1.00	GK159	6P
9.7	14061	100.22	108	1.20	GKF159	
11	12858	91.65	108	1.35	GKA159	
12	11189	79.75	109	1.55	GKAF159	
14	9874	70.38	109	1.75	GKAF159	
9.7	14020	150.41	108	1.20	GK159	4P
12	11408	122.39	109	1.50	GKF159	
15	9342	100.22	108	1.85	GKA159	
16	8543	91.65	107	2.00	GKAF159	
18	7434	79.75	104	2.30	GKAF159	
11	12690	136.14	75	0.95	GK129	4P
12	11416	122.48	76	1.10	GKF129	
13	10270	110.18	76	1.20	GKA129	
					GKAF129	
16	8379	89.89	77	1.45	GK129	4P
18	7641	81.98	77	1.60	GKF129	
21	6613	70.95	78	1.85	GKA129	
23	5835	62.60	76	2.10	GKAF129	
27	5040	54.07	74	2.50	GKAF129	
31	4457	47.82	72	2.80	GKAF129	
16	8478	90.96	48	0.90	GK109	4P
18	7700	82.61	49	1.00	GKF109	
20	6832	73.30	49	1.10	GKA109	
22	6200	66.52	48	1.25	GKAF109	
26	5329	57.17	48	1.45	GK109	4P
29	4651	49.90	48	1.60	GKF109	
34	3946	42.33	47	1.75	GKA109	
39	3449	37.00	46	2.00	GKAF109	
45	3046	32.68	45	2.20	GKAF109	
47	2916	31.28	44	2.20	GKAF109	
50	2702	28.99	44	2.50	GKAF109	
30	4468	47.93	27	0.90	GK99	4P
35	3903	41.87	27	1.05	GKF99	
38	3569	38.29	27	1.15	GKA99	
43	3190	34.22	27	1.30	GKAF99	
47	2872	30.81	27	1.40	GKAF99	
52	2601	27.90	27	1.55	GK99	4P
59	2306	24.74	27	1.75	GKF99	
65	2085	22.37	26	1.95	GKA99	
77	1767	18.96	26	2.30	GKAF99	
88	1544	16.56	25	2.70	GKAF99	
47	2925	31.38	16	0.90	GK89	4P
52	2598	27.87	17	0.95	GKF89	
59	2323	24.92	17	1.00	GKA89	
65	2088	22.40	17	1.05	GKAF89	
75	1813	19.45	17	1.20	GKAF89	
84	1623	17.41	17	1.30	GKAF89	
91	1491	16.00	16	1.15	GK89	4P
101	1346	14.44	17	1.50	GKF89	
116	1171	12.56	17	1.60	GKA89	
131	1040	11.16	16	1.35	GKAF89	
					GKAF89	
15kW						
146	932	10.00	16	1.55	GK89	4P
176	773	8.29	15	1.70	GKF89	
202	672	7.21	15	1.85	GKA89	
					GKAF89	
18.5kW						
2.8	56404	520	159	0.85		4P
3.2	49245	454	171	1.00	GK189R109	
4.1	38506	355	171	1.25	GKA189R109	
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	GK169R109	
7.2	22236	205	135	1.40	GKA169R109	
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	GK159R109	4P
9.4	17030	157	107	1.05	GKF159R109	
12	13233	122	108	1.35	GKA159R109	
14	11606	107	107	1.55	GKAF159R109	
5.4	31122	179.86	171	1.55		6P
5.9	28587	165.21	171	1.65	GK189	
6.7	25019	144.59	171	1.90	GKA189	
7.5	22441	129.69	171	2.10	GKAF189	
8.2	20536	179.86	171	2.30		4P
8.9	18863	165.21	171	2.50	GK189	
10	16509	144.59	171	2.90	GKA189	
11	14808	129.69	171	3.20	GKAF189	
11	15413	134.99	135	1.95	GK169	4P
13	12540	109.83	135	2.40	GKA169	
17	10032	87.86	135	3.00	GKAF169	
9.7	17341	100.22	106	1.00	GK159	6P
11	15858	91.65	107	1.10	GKF159	
12	13799	79.75	106	1.25	GKA159	
14	12178	70.38	104	1.40	GKAF159	
12	13974	122.39	106	1.20		4P
15	11443	100.22	104	1.50		
16	10464	91.65	102	1.65	GK159	
18	9106	79.75	100	1.85	GKF159	
21	8036	70.38	98	2.10	GKA159	
24	6967	61.02	96	2.50	GKAF159	
27	6199	54.29	94	2.80	GKAF159	
31	5342	46.79	91	3.20	GKAF159	
39	4341	38.02	87	3.90	GKAF159	
13	12580	110.18	75	1.00	GK129	4P
16	10263	89.89	75	1.20	GKF129	
18	9360	81.98	75	1.30	GKA129	
					GKAF129	
21	8101	70.95	74	1.50		4P
23	7148	62.60	73	1.70	GK129	
27	6174	54.07	71	2.00	GKF129	
31	5460	47.82	70	2.20	GKA129	
37	4589	40.19	68	2.70	GKAF129	
40	4146	36.31	66	3.00	GKAF129	
47	3587	31.42	65	3.40	GKAF129	
53	3166	27.73	63	3.90	GKAF129	

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
18.5kW							22kW						
20	8369	73.30	44	0.90	GK109	4P	10	19632	144.59	171	2.40	GK189	4P
22	7595	66.52	44	1.00	GKF109		11	17609	129.69	171	2.70	GKA189	
26	6528	57.17	44	1.15	GKA109		11	18329	134.99	135	1.65	GK169 GKA169	4P
29	5697	49.90	44	1.30	GKAF109		13	14913	109.83	135	2.00		
35	4833	42.33	44	1.45	GK109 GKF109 GKA109 GKAF109	17	11930	87.86	135	2.50	GK159 GKF159 GKA159 GKAF159		
40	4225	37.00	43	1.60		19	10610	78.14	135	2.90			
45	3731	32.68	43	1.85		9.7	20622	100.22	101	0.85			
47	3571	31.28	43	1.80		11	18859	91.65	101	0.90			
51	3310	28.99	42	2.10		12	16410	79.75	100	1.05			
56	3004	26.31	42	2.30		14	14482	70.38	99	1.20			
65	2582	22.61	41	2.60		16	12556	61.02	98	1.35			
74	2254	19.74	40	3.00		12	16618	122.39	100	1.05	GK159 GKF159 GKA159 GKAF159	4P	
88	1911	16.74	38	3.50		15	13608	100.22	99	1.25			
35	4781	41.87	24	0.85	16	12444	91.65	98	1.35				
48	3518	30.81	25	1.15	18	10828	79.75	97	1.55				
53	3186	27.90	25	1.30	21	9556	70.38	95	1.80				
59	2825	24.74	25	1.45	24	8285	61.02	93	2.10				
66	2554	22.37	25	1.60	27	7371	54.29	91	2.30				
78	2165	18.96	24	1.90	31	6353	46.79	89	2.70				
89	1891	16.56	24	2.20	39	5162	38.02	85	3.30				
106	1581	13.85	24	2.60	16	12205	89.89	70	1.00	GK129 GKF129 GKA129 GKAF129	4P		
123	1369	11.99	23	2.70	18	11131	81.98	70	1.10				
59	2845	24.92	15	0.85	21	9634	70.95	70	1.30				
66	2558	22.40	15	0.85	23	8500	62.60	69	1.45	GK129 GKF129 GKA129 GKAF129	4P		
76	2221	19.45	15	1.00	27	7342	54.07	67	1.70				
84	1988	17.41	16	1.05	31	6493	47.82	67	1.90				
102	1649	14.44	16	1.20	37	5457	40.19	66	2.30				
117	1434	12.56	16	1.30	40	4930	36.31	64	2.50				
132	1274	11.16	15	1.10	47	4266	31.42	63	2.90				
147	1142	10.00	15	1.25	53	3765	27.73	61	3.30				
177	947	8.29	14	1.40	61	3252	23.95	60	3.80				
204	823	7.21	14	1.50	69	2876	21.18	58	4.30				
22kW							26	7762	57.17	41	1.00	GK109 GKF109 GKA109 GKAF109	4P
3.2	58561	454	155	0.85	GK189R109 GKA189R109	4P	29	6775	49.90	41	1.10		
4.1	45791	355	171	1.05			35	5748	42.33	41	1.20		
5.6	33666	261	171	1.45			40	5024	37.00	41	1.35	GK109 GKF109 GKA109 GKAF109	4P
6.7	28507	221	171	1.70			45	4437	32.68	41	1.55		
7.6	24895	193	171	1.95			47	4247	31.28	41	1.50		
9	21025	163	171	2.30			51	3936	28.99	40	1.75		
5.3	35730	277	135	0.85	56	3572	26.31	40	1.90				
6.0	31474	244	135	1.00	65	3070	22.61	39	2.20				
6.9	27475	213	135	1.15	74	2680	19.74	38	2.50				
7.2	26443	205	135	1.20	88	2273	16.74	37	2.90				
8.2	23218	180	135	1.35	100	1986	14.63	36	3.30				
9.2	20509	159	135	1.50	109	1824	13.43	35	2.20				
11	17414	135	135	1.80	125	1591	11.72	34	2.60				
12	15221	118	135	2.10	148	1350	9.94	33	2.90				
9.4	20251	157	104	0.90	GK159R109 GKF159R109 GKA159R109 GKAF159R109	4P	48	4183	30.81	22	0.95	GK99 GKF99 GKA99 GKAF99	4P
12	15737	122	103	1.15			53	3788	27.90	23	1.05		
14	13802	107	102	1.30			59	3359	24.74	23	1.20		
5.4	37009	179.86	171	1.30	66	3037	22.37	23	1.35				
5.9	33995	165.21	171	1.40	GK189 GKA189	6P	78	2574	18.96	23	1.60	GK99 GKF99 GKA99 GKAF99	4P
6.7	29752	144.59	171	1.60			89	2248	16.56	23	1.80		
7.5	26686	129.69	171	1.80			106	1881	13.85	23	2.20		
8.6	23169	112.60	171	1.90			123	1628	11.99	22	2.30		
8.2	24421	179.86	171	1.95			141	1413	10.41	21	1.90		
8.9	22432	165.21	171	2.10	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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole		
22kW							30kW								
76	2641	19.45	14	0.80	GK89 GKF89 GKA89 GKAF89	4P	100	2709	14.63	34	2.40	GK109 GKF109 GKA109 GKAF109	4P		
84	2364	17.41	14	0.90			109	2487	13.43	33	1.65				
102	1961	14.44	14	1.00			125	2170	11.72	32	1.90				
117	1705	12.56	15	1.10			148	1840	9.94	31	2.20				
132	1515	11.16	13	0.95			169	1609	8.69	31	2.40				
147	1358	10.00	13	1.05			59	4581	24.74	19	0.90	GK99 GKF99 GKA99 GKAF99	4P		
177	1126	8.29	14	1.20			66	4142	22.37	19	1.00				
204	979	7.21	13	1.25	78	3511	18.96	20	1.15						
30kW							89	3066	16.56	20	1.35			GK189R109 GKA189R109	4P
5.6	45909	261	171	1.05	106	2564	13.85	20	1.60						
6.7	38873	221	171	1.25	123	2220	11.99	20	1.65						
7.6	33948	193	171	1.45	141	1927	10.41	19	1.40						
9	28671	163	171	1.70	169	1613	8.71	18	1.55						
37kW															
6.9	37466	213	135	0.85	GK169R109 GKA169R109	4P	5.7	56238	261	158	0.85	GK189R109 GKA189R109	4P		
7.2	36059	205	135	0.85			6.7	47619	221	171	1.00				
8.2	31661	180	135	1.00			7.7	41586	193	171	1.15				
9.2	27967	159	135	1.10			9	35122	163	171	1.40				
11	23746	135	135	1.30			8.2	38785	180	135	0.80				
12	20756	118	135	1.50			9	34260	159	135	0.90	GK169R109 GKA169R109	4P		
8.2	33302	179.86	171	1.45			11	29089	135	135	1.05				
8.9	30589	165.21	171	1.55	13	25426	118	135	1.20						
10	26771	144.59	171	1.75	8.2	40794	179.86	171	1.15	GK189 GKA189	4P				
11	24013	129.69	171	2.00	9.0	37472	165.21	171	1.25						
13	20848	112.60	171	2.22	10	32795	144.59	171	1.45						
14	18915	102.16	171	2.30	11	29415	129.69	171	1.60						
17	16293	88.00	171	2.50	13	25539	112.60	171	1.75						
13	20335	109.83	135	1.50	GK169 GKA169	4P	14	23171	102.16	171	1.85	GK169 GKA169	4P		
17	16268	87.86	135	1.85			17	19960	88.00	171	2.00				
19	14468	78.14	135	2.10			13	24911	109.83	135	1.20				
22	12605	68.08	135	2.40			17	19928	87.86	135	1.50				
24	11246	60.74	135	2.70			19	17723	78.14	135	1.70				
15	18556	100.22	88	0.90			22	15441	68.08	135	1.95	GK159 GKF159 GKA159 GKAF159	4P		
16	16969	91.65	88	1.00			24	13777	60.74	135	2.20				
18	14766	79.75	88	1.15	29	11742	51.77	135	2.60						
21	13031	70.38	87	1.30	16	20787	91.65	79	0.80						
24	11298	61.02	86	1.50	19	18088	79.75	80	0.95						
27	10052	54.29	85	1.70	21	15963	70.38	81	1.05	GK159 GKF159 GKA159 GKAF159	4P				
31	8663	46.79	83	1.95	24	13840	61.02	80	1.25						
39	7040	38.02	81	2.40	27	12314	54.29	80	1.40						
47	5795	31.30	78	3.00	32	10613	46.79	79	1.60						
21	13137	70.95	61	0.95	39	8623	38.02	77	1.95						
23	11591	62.60	61	1.05	47	7099	31.30	75	2.40	GK129 GKF129 GKA129 GKAF129	4P				
27	10011	54.07	61	1.25	24	14198	62.60	55	0.85						
31	8854	47.82	61	1.40	27	12264	54.07	56	1.00						
37	7441	40.19	61	1.65	31	10846	47.82	56	1.15						
40	6723	36.31	60	1.85	37	9116	40.19	56	1.35						
47	5818	31.42	59	2.10	GK129 GKF129 GKA129 GKAF129	4P	41	8236	36.31	56	1.50	GK129 GKF129 GKA129 GKAF129	4P		
53	5134	27.73	58	2.40			47	7126	31.42	56	1.70				
61	4434	23.95	57	2.80			53	6290	27.73	55	1.95				
69	3922	21.18	56	3.00			62	5432	23.95	54	2.30				
35	7838	42.33	34	0.90			70	4804	21.18	53	2.60				
40	6851	37.00	36	1.00	83	4037	17.80	52	3.00						
47	5792	31.28	34	1.10	103	3262	14.38	50	3.50						
51	5368	28.99	36	1.25	GK109 GKF109 GKA109 GKAF109	4P	116	2905	12.81	48	2.80				
56	4871	26.31	36	1.40			138	2441	10.76	46	3.10				
65	4186	22.61	36	1.65			170	1971	8.69	44	3.50				
74	3655	19.74	36	1.85											
88	3099	16.74	35	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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole			
37kW							45kW									
40	8392	37.00	28	0.80	GK109 GKF109 GKA109 GKAF109	4P	51	7997	28.99	24	0.85	GK109	4P			
47	7095	31.28	30	0.90			56	7258	26.31	27	0.95	GKF109				
51	6575	28.99	32	1.05			65	6237	22.61	29	1.10	GKA109				
56	5967	26.31	33	1.15			75	5445	19.74	30	1.25	GKAF109				
65	5128	22.61	33	1.30			88	4618	16.74	30	1.45	GK109 GKF109 GKA109 GKAF109	4P			
75	4477	19.74	33	1.50			101	4036	14.63	30	1.60					
88	3797	16.74	33	1.75			110	3705	13.43	28	1.10					
101	3318	14.63	32	1.95			126	3233	11.72	28	1.25					
110	3046	13.43	31	1.35			149	2742	9.94	28	1.45					
126	2658	11.72	30	1.55			170	2397	8.69	28	1.60					
149	2255	9.94	30	1.75												
170	1971	8.69	29	1.95												
45kW							55kW									
6.7	57915	221	155	0.85	GK189R109 GKA189R109	4P	10	48749	144.59	169	0.95	GK189 GKA189	4P			
7.7	50578	193	167	0.95			11	43725	129.69	171	1.10					
9	42716	163	171	1.15			13	37964	112.60	171	1.15					
							14	34444	102.16	170	1.25					
11	35378	135	135	0.85	GK169R109 GKA169R109	4P	17	29670	88.00	168	1.35			GK169 GKA169	4P	
13	30923	118	135	1.00			20	24936	73.96	166	1.60					
8	47134	179.86	167	0.95			23	21591	64.04	162	1.90					
9	43295	165.21	171	1.05			17	29622	87.86	131	1.00					
10	37891	144.59	171	1.20	GK189 GKA189	4P	19	26345	78.14	130	1.15	GK159 GKF159 GKA159 GKAF159	4P			
11	33987	129.69	171	1.30			22	22953	68.08	129	1.30					
13	29508	112.60	171	1.45			24	20479	60.74	128	1.50					
14	26772	102.16	171	1.50			29	17454	51.77	125	1.75					
17	23061	88.00	171	1.65			34	14464	42.90	121	2.10					
20	19382	73.96	171	1.95	GK169 GKA169	4P	40	12343	36.61	119	2.50	GK129 GKF129 GKA129 GKAF129	4P			
13	28782	109.83	135	1.00			24	20573	61.02	66	0.85					
17	23025	87.86	135	1.25			27	18304	54.29	67	0.95					
19	20477	78.14	135	1.40			32	15775	46.79	68	1.10					
22	17841	68.08	135	1.60			39	12819	38.02	68	1.35					
24	15918	60.74	134	1.80	GK159 GKF159 GKA159 GKAF159	4P	47	10553	31.30	67	1.60	GK129 GKF129 GKA129 GKAF129	4P			
29	13567	51.77	130	2.10			54	9312	27.62	67	1.85					
34	11242	42.90	127	2.60			62	8075	23.95	66	2.10					
21	19415	70.38	73	0.85			69	7185	21.31	65	2.40					
24	16833	61.02	74	1.00			81	6194	18.37	64	2.80					
27	14976	54.29	74	1.15	GK129 GKF129 GKA129 GKAF129	4P	99	5030	14.92	62	3.40	GK189 GKA189	4P			
32	12907	46.79	74	1.30			117	4268	12.66	60	3.80					
39	10488	38.02	73	1.60			37	13550	40.19	45	0.90					
47	8634	31.30	72	1.95			47	10593	31.42	47	1.15					
54	7619	27.62	71	2.20			53	9349	27.73	47	1.30					
62	6607	23.95	69	2.60	GK129 GKF129 GKA129 GKAF129	4P	62	8075	23.95	47	1.55	GK189 GKA189	4P			
69	5878	21.31	68	2.90			70	7141	21.18	47	1.75					
81	5067	18.37	66	3.30			83	6001	17.80	47	2.00					
31	13191	47.82	50	0.95			103	4848	14.38	46	2.40					
37	11087	40.19	51	1.10			116	4319	12.81	44	1.85					
41	10016	36.31	51	1.25	GK129 GKF129 GKA129 GKAF129	4P	138	3628	10.76	43	2.10	GK189 GKA189	4P			
47	8667	31.42	52	1.40			170	2930	8.69	41	2.30					
53	7649	27.73	51	1.60			75kW									
62	6607	23.95	51	1.85			11	59626	129.69	148	0.80			GK189 GKA189	4P	
70	5843	21.18	51	2.10			13	51768	112.60	149	0.90					
83	4910	17.80	50	2.50	14	46969	102.16	150	1.00							
103	3967	14.38	48	2.90	17	40458	88.00	150	1.15							
116	3534	12.81	46	2.30	20	34003	73.96	149	1.40							
138	2968	10.76	45	2.50	23	29443	64.04	147	1.60							
170	2397	8.69	43	2.80	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	n _a [r/min]	M _a [N.m]	i	F _{Ra} [kN]	f _B	机型号 Type size	极数 Pole		
75kW							90kW								
19	35925	78.14	113	0.85	GK169 GKA169	4P	62	13125	23.95	35	0.95	GK129 GKF129 GKA129 GKAF129	4P		
22	31300	68.08	114	0.95			70	11607	21.18	36	1.05				
24	27926	60.74	115	1.10			84	9754	17.80	37	1.25				
29	23802	51.77	114	1.30			104	7880	14.38	38	1.45				
34	19723	42.90	113	1.55			116	7020	12.81	36	1.15				
40	16832	36.61	111	1.80			138	5897	10.76	36	1.30				
46	14781	32.15	109	2.10			171	4762	8.69	36	1.45				
52	13186	28.68	107	2.30											
61	11241	24.45	105	2.70											
							110kW								
39	17480	38.02	58	1.00	GK159 GKF159 GKA159 GKAF159	4P	17	58941	88.00	122	0.80	GK189 GKA189	4P		
47	14390	31.30	59	1.20			20	49537	73.96	126	0.95				
54	12698	27.62	59	1.35			23	42893	64.04	127	1.10				
62	11011	23.95	59	1.55			28	35740	53.36	127	1.30				
69	9797	21.31	59	1.75			33	30475	45.50	127	1.55				
81	8446	18.37	59	2.00			35	28472	42.51	126	1.65				
99	6860	14.92	57	2.50			39	25833	38.57	125	1.85				
117	5820	12.66	56	2.80			45	22257	33.23	123	2.10				
							53	18700	27.92	121	2.50				
47	14446	31.42	37	0.85	GK129 GKF129 GKA129 GKAF129	4P	29	34675	51.77	95	0.85	GK169 GKA169	4P		
53	12749	27.73	39	0.95			35	28734	42.90	97	1.05				
62	11011	23.95	40	1.10			41	24521	36.61	97	1.25				
70	9738	21.18	41	1.25			46	21533	32.15	97	1.40				
83	8184	17.80	41	1.50			52	19209	28.68	97	1.55				
103	6611	14.38	42	1.75			61	16376	24.45	95	1.85				
116	5889	12.81	39	1.40			74	13570	20.26	94	2.20				
138	4947	10.76	39	1.55			86	11581	17.29	92	2.60				
170	3995	8.69	38	1.70											
90kW															
15	55984	102.16	136	0.85	GK189 GKA189	4P	62	16041	23.95	48	1.05	GK159 GKF159 GKA159 GKAF159	4P		
17	48224	88.00	138	1.00			70	14273	21.31	49	1.10				
20	40530	73.96	139	1.15			81	12304	18.37	50	1.15				
23	35094	64.04	138	1.35			100	9993	14.92	50	1.26				
28	29241	53.36	137	1.60			118	8479	12.66	50	1.35				
33	24934	45.50	134	1.90											
35	23296	42.51	134	2.00			132kW								
39	21136	38.57	134	2.20			20	59444	73.96	111	0.80	GK189 GKA189	4P		
							23	51471	64.04	114	0.90				
22	37308	68.08	104	0.80	28	42887	53.36	117	1.10	GK169 GKA169	4P				
25	33286	60.74	105	0.90	33	36570	45.50	118	1.30						
29	28370	51.77	106	1.05	35	34167	42.51	118	1.40						
35	23509	42.90	106	1.30	39	31000	38.57	118	1.55						
41	20062	36.61	105	1.50	45	26708	33.23	117	1.75						
46	17618	32.15	104	1.70	53	22440	27.92	115	2.10						
52	15717	28.68	103	1.90	62	19434	24.18	113	2.30						
61	13399	24.45	101	2.30	74	16195	20.15	110	2.60						
74	11103	20.26	98	2.70	87	13808	17.18	108	2.80						
86	9475	17.29	95	3.20											
39	20835	38.02	50	0.80	GK159 GKF159 GKA159 GKAF159	4P	35	34480	42.90			87	0.90	GK169 GKA169	4P
48	17153	31.30	53	1.00			41	29425	36.61	89	1.05				
54	15136	27.62	54	1.10			46	25840	32.15	90	1.15				
62	13125	23.95	55	1.30			52	23051	28.68	90	1.30				
70	11678	21.31	55	1.45			61	19651	24.45	90	1.55				
81	10067	18.37	55	1.70			74	16284	20.26	89	1.85				
100	8176	14.92	55	2.10			86	13897	17.29	88	2.20				
118	6938	12.66	54	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	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	GK189 GKA189	4P	33	55409	45.50	90	0.85	GK189 GKA189	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	GK169 GKA169	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	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	GK39R19 GKF39R19 GKA39R19 GKAF39R19	0.12	400	3.5	375	5.6	GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.25		
	0.22	5922	5.4				4.1	327	5.6				
	0.24	5491	5.4				4.6	289	5.6				
	0.28	4759	5.4				5.2	256	5.6	GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.37		
	0.31	4160	5.4				5.9	225	5.6				
	0.36	3645	5.4				6.7	198	5.6				
	0.41	3205	5.4				8.1	171	5.6	GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.55		
	0.47	2801	5.4				9.1	153	5.6				
	0.53	2454	5.4				11	131	5.6				
	0.60	2166	5.4			GK39R19 GKF39R19 GKA39R19 GKAF39R19	0.12	600	0.11	12169	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.12
	0.69	1892	5.4						0.12	11162	7.2		
	0.79	1660	5.4	0.14	9503				7.2				
	0.89	1466	5.4	0.15	8547				7.2				
	1.02	1288	5.4	0.18	7277				7.2				
	1.15	1136	5.4	0.2	6478				7.2				
	1.32	996	5.4	0.23	5662				7.2				
	1.50	876	5.4	0.26	5033				7.2				
	1.72	761	5.4	0.3	4340				7.2				
	1.95	671	5.4	0.34	3854			7.2					
	2.24	585	5.4	0.39	3390			7.2					
	2.56	512	5.4	0.45	2924	7.2							
	2.90	451	5.4	0.51	2593	7.2							
	3.31	396	5.4	0.58	2249	7.2							
	3.79	346	5.4	0.66	1986	7.2							
	4.31	304	5.4	GK39R19 GKF39R19 GKA39R19 GKAF39R19	0.18	0.75	1743	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.12			
	4.91	267	5.4			0.85	1539	7.2					
	5.60	234	5.4			0.97	1354	7.2					
	6.39	205	5.4			1.1	1174	7.2					
	7.3	181	5.4	GK39R19 GKF39R19 GKA39R19 GKAF39R19	0.25	1.3	1036	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.18			
	8.3	160	5.4			1.4	906	7.2					
	9.8	136	5.4			1.6	806	7.2					
	10.5	127	5.4			1.9	699	7.2					
400	12	110	5.4	GK39R19 GKF39R19 GKA39R19 GKAF39R19	0.37	2.1	615	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.25			
	14	96	5.4			2.4	544	7.2					
	0.13	10138	5.6	GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.12	2.8	473	7.2			GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.37	
	0.15	8534	5.6			3.2	421	7.2					
	0.17	7662	5.6			3.7	362	7.2					
	0.19	6826	5.6			4.2	319	7.2					
	0.22	5983	5.6			4.8	280	7.2					
	0.25	5158	5.6			5.7	246	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.55			
	0.28	4601	5.6			6.5	215	7.2					
	0.33	3940	5.6			7.2	192	7.2					
	0.38	3477	5.6			8.4	166	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	0.75			
	0.43	3043	5.6			9.6	145	7.2					
	0.48	2732	5.6			11	129	7.2					
	0.56	2354	5.6			GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.12	820	13	111	7.2	GK59R39 GKF59R39 GKA59R39 GKAF59R39	1.1
	0.63	2063	5.6						14	97	7.2		
	0.72	1819	5.6						0.11	12139	10	GK69R39 GKF69R39 GKA69R39 GKAF69R39	0.12
	0.83	1586	5.6						0.12	11134	10		
	0.94	1388	5.6						0.14	9479	10		
	1.1	1222	5.6	0.16	8173				10				
	1.2	1097	5.6	GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.18								
	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	GK49R39 GKF49R39 GKA49R39 GKAF49R39	0.18								
	2.6	495	5.6										
	3.1	426	5.6										

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	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	GK69R39 GKF69R39 GKA69R39 GKAF69R39	0.12	1550	1.4	920	15	GK79R39 GKF79R39 GKA79R39 GKAF79R39	0.37
	0.2	6462	10				1.6	812	15		
	0.23	5648	10				1.9	706	15		
	0.27	4846	10				2.2	620	15	GK79R39 GKF79R39 GKA79R39 GKAF79R39	0.55
	0.3	4329	10				2.5	550	15		
	0.35	3750	10				2.9	483	15		
	0.4	3315	10				3.3	426	15	GK79R39 GKF79R39 GKA79R39 GKAF79R39	0.75
	0.45	2917	10				3.8	366	15		
	0.52	2532	10				4.3	326	15	GK79R39 GKF79R39 GKA79R39 GKAF79R39	1.1
	0.58	2244	10	4.8	289		15				
	0.66	1981	10	5.6	251		15				
	0.75	1739	10	GK69R39 GKF69R39 GKA69R39 GKAF69R39	0.12	2700	0.09	14828	26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	0.12
	0.85	1536	10				0.10	13168	26		
	0.97	1351	10				0.11	11736	26		
	1.1	1171	10	0.13	10217		26				
	1.3	1034	10	0.14	9073		26				
	1.5	903	10	0.17	7854		26				
	1.7	793	10	0.19	6832		26				
	1.9	697	10	0.22	5930		26				
	2.2	613	10	0.25	5239		26				
	2.5	542	10	0.29	4562		26				
	2.8	471	10	GK69R39 GKF69R39 GKA69R39 GKAF69R39	0.37		0.32	4037	26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	0.18
	3.2	420	10			0.36	3609	26			
	3.9	361	10			0.42	3106	26			
	4.3	323	10	GK69R39 GKF69R39 GKA69R39 GKAF69R39	0.55	0.48	2728	26			
	5	279	10			0.56	2371	26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	0.25	
	5.7	246	10			0.64	2087	26			
	6.4	217	10	GK69R39 GKF69R39 GKA69R39 GKAF69R39	0.75	0.72	1854	26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	0.25	
	7.3	191	10			0.80	1658	26			
1550	0.09	15248	15			GK79R39 GKF79R39 GKA79R39 GKAF79R39	0.12	0.80	1658		26
	0.09	13986	15	0.94	1415			26			
	0.11	11907	15	1.08	1229			26			
	0.13	10176	15	1.3	1078			26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	0.55	
	0.15	8774	15	1.5	951			26			
	0.17	7497	15	1.7	837			26			
	0.2	6579	15	1.9	726			26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	0.75	
	0.23	5751	15	2.2	638			26			
	0.26	5068	15	2.5	562			26			
	0.29	4471	15	3.0	474			26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	1.1	
	0.33	3945	15	3.3	426			26			
	0.38	3470	15	3.8	373	26	GK89R59 GKF89R59 GKA89R59 GKAF89R59	1.5			
	0.45	2890	15	4.2	330	26					
	0.48	2706	15	4.9	293	26	GK89R59 GKF89R59 GKA89R59 GKAF89R59		2.2		
	0.56	2360	15	5.7	250	26					
	0.64	2041	15	6.1	236	26					
	0.74	1764	15	7.1	201	26					
	0.87	1508	15								
	1	1382	15	GK79R39 GKF79R39 GKA79R39 GKAF79R39	0.25						
	1.1	1213	15								
	1.3	1048	15								

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	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	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.12	8000	0.12	10678	62	GK109R79	0.18	
	0.08	16666	38				0.14	9524	62	GKF109R79		
	0.09	14896	38				0.16	8328	62	GKA109R79		
	0.10	13183	38							GKAF109R79		
	0.11	11677	38				0.18	7269	62	GK109R79	0.25	
	0.13	10317	38				0.22	6184	62	GKF109R79		
	0.14	9083	38				0.23	5662	62	GKA109R79		
	0.16	8055	38							GKAF109R79		
	0.19	6969	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.18		0.26	5138	62	GK109R79	0.37	
	0.22	6027	38				0.31	4360	62	GKF109R79		
	0.24	5392	38				0.35	3811	62	GKA109R79		
	0.28	4669	38							GKAF109R79		
	0.32	4081	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.25		0.41	3358	62	GK109R79	0.55	
	0.37	3583	38				0.47	2977	62	GKF109R79		
	0.43	3108	38				0.54	2598	62	GKA109R79		
										GKAF109R79		
	0.48	2756	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.37		0.61	2286	62	GK109R79	0.75	
							0.72	1939	62	GKF109R79		
										GKA109R79		
										GKAF109R79		
	0.55	2419	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.37		0.82	1713	62	GK109R79	1.1	
							0.9	1555	62	GKF109R79		
							1	1336	62	GKA109R79		
	0.75	1856	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.55		1.2	1166	62	GK109R79	1.5	
							1.4	1030	62	GKF109R79		
							1.5	904	62	GKA109R79		
										GKAF109R79		
	0.75	1102	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	0.75		1.8	793	62	GK109R79	2.2	
							2.1	696	62	GKF109R79		
							2.3	614	62	GKA109R79		
	1.1	855	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	1.1		2.7	522	62	GK109R79	3	
							3.1	461	62	GKF109R79		
										GKA109R79		
	1.5	573	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	1.5		3.5	408	62	GK109R79	4	
							4	364	62	GKF109R79		
										GKA109R79		
	2.2	437	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	2.2		4.5	318	62	GK109R79	5.5	
							5	286	62	GKF109R79		
							5.7	251	62	GKA109R79		
	3	305	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	3		0.07	17550	75	GK129R79	0.18	
							0.08	16006	75	GKF129R79		
							0.09	14975	75	GKA129R79		
	4	199	38	GK99R59 GKF99R59 GKA99R59 GKAF99R59	4		0.11	12440	75	GKAF129R79	0.25	
							0.12	10914	75	GK129R79		
0.14							9819	75	GKF129R79			
8000	0.09	14311	62	GK109R79 GKF109R79 GKA109R79 GKAF109R79	0.12		0.16	8443	75	GK129R79	0.37	
							0.18	7483	75	GKF129R79		
							0.2	6565	75	GKA129R79		
										GKAF129R79		

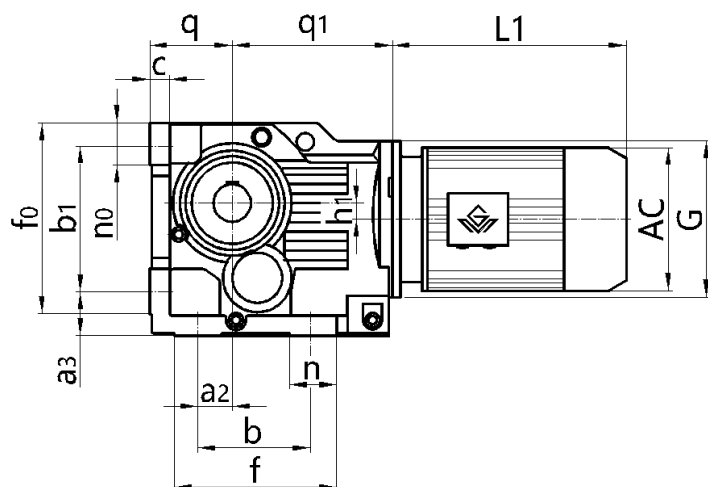
Selection Table (Constant Torque)

M _{amax} [N.m]	n _a [r/min]	i	F _{Ra} [kN]	机型号 Type size	P [kW]/4P	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	GK129R79	0.55	18000	0.12	11368	107	GK159R99	0.55
	0.28	5027	75	GKF129R79			GKF159R99				
	0.31	4423	75	GKA129R79			GKA159R99				
	0.36	3889	75	GKAF129R79			GKAF159R99				
	0.42	3311	75	GK129R79	0.75	0.28	5074	107	GK159R99	1.1	
	0.46	3009	75	GKF129R79		GKF159R99					
				GKA129R79		GKA159R99					
				GKAF129R79		GKAF159R99					
	0.54	2607	75	GK129R79	1.1	0.54	2610	107	GK159R99	1.5	
	0.62	2268	75	GKF129R79		GKF159R99					
				GKA129R79		GKA159R99					
				GKAF129R79		GKAF159R99					
	0.73	1926	75	GK129R79	1.1	0.70	2029	107	GK159R99	2.2	
				GKF129R79		GKF159R99					
				GKA129R79		GKA159R99					
				GKAF129R79		GKAF159R99					
	0.8	1757	75	GK129R79	1.5	0.86	1659	107	GK159R99	2.2	
	0.91	1541	75	GKF129R79		GKF159R99					
				GKA129R79		GKA159R99					
				GKAF129R79		GKAF159R99					
	1.1	1342	75	GK129R79	2.2	1.2	1229	107	GK159R99	3	
	1.2	1177	75	GKF129R79		GKF159R99					
	1.4	1025	75	GKA129R79		GKA159R99					
				GKAF129R79		GKAF159R99					
1.6	899	75	GK129R79	3	1.5	942	107	GK159R99	4		
1.8	790	75	GKF129R79		GKF159R99						
2	704	75	GKA129R79		GKA159R99						
			GKAF129R79		GKAF159R99						
2.4	610	75	GK129R79	4	2.2	661	107	GK159R99	5.5		
2.6	549	75	GKF129R79		GKF159R99						
			GKA129R79		GKA159R99						
			GKAF129R79		GKAF159R99						
3	477	75	GK129R79	5.5	2.9	504	107	GK159R99	7.5		
3.4	419	75	GKF129R79		GKF159R99						
			GKA129R79		GKA159R99						
			GKAF129R79		GKAF159R99						
2.7	539	75	GK129R89	4	3.8	379	107	GK159R99	7.5		
			GKF129R89		GKF159R99						
			GKA129R89		GKA159R99						
			GKAF129R89		GKAF159R99						
3	476	75	GK129R89	5.5	5.0	291	107	GK159R99	11		
3.4	420	75	GKF129R89		GKF159R99						
			GKA129R89		GKA159R99						
			GKAF129R89		GKAF159R99						
3.9	368	75	GK129R89	7.5	3.7	385	107	GK159R109	7.5		
4.4	331	75	GKF129R89		GKF159R109						
5	287	75	GKA129R89		GKA159R109						
			GKAF129R89		GKAF159R109						
5.7	254	75	GK129R89	7.5	4.9	299	107	GK159R109	11		
			GKF129R89		GKF159R109						
			GKA129R89		GKA159R109						
			GKAF129R89		GKAF159R109						
18000	0.08	17680	107	GK159R99	0.55	5.8	253	107	GK159R109	15	
	0.09	15730	107	GKF159R99		GKF159R109					
	0.09	14721	107	GKA159R99		GKA159R109					
	0.11	13097	107	GKAF159R99		GKAF159R109					

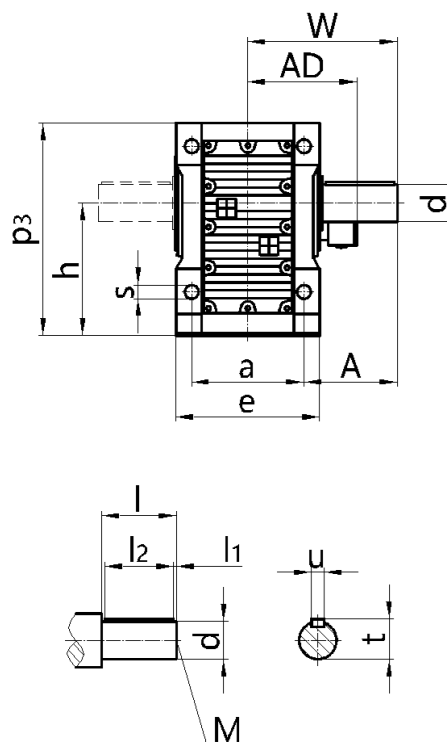
选型参数表
(恒转矩)
Selection Table
(Constant Torque)

M _{amax} [N.m]	n _a [r/min]	i	F _{Ra} [kN]	机型号 Type size	P [kW]/4P	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	GK169R99 GKA169R99	0.55	50000	0.04	32625	171	GK189R99 GKA189R99	0.55	
	0.08	17409	135				0.05	27165	171			
	0.09	15000	135				0.06	24353	171			
	0.11	13238	135				0.07	19144	171			
	0.12	11575	135				0.08	16978	171			
	0.14	10265	135				0.10	14272	171	GK189R99 GKA189R99	0.75	
	0.16	8629	135	GK169R99 GKA169R99	0.75		0.11	13116	171			
							0.12	11647	171			
	0.21	6562	135	GK169R99	1.1		0.13	10413	171	GK189R99 GKA189R99	1.1	
	0.26	5355	135	GKA169R99			0.15	9363	171			
	0.29	4788	135	GK169R99	1.5		0.17	8126	171			
	0.34	4079	135	GKA169R99			0.19	7343	171	GK189R99 GKA189R99	1.5	
	0.42	3376	135	GK169R99	2.2		0.21	6747	171			
	0.52	2755	135	GKA169R99			0.23	5991	171			
	0.63	2264	135	GK169R99	3		0.27	5358	171	GK189R99 GKA189R99	2.2	
	0.66	2182	135	GKA169R99			0.30	4817	171			
	0.85	1704	135	GK169R99	4		0.33	4370	171			
	1.02	1408	135	GKA169R99			0.40	3609	171	GK189R99 GKA189R99	3	
	1.11	1296	135	GK169R99	5.5		0.47	3062	171			
	1.31	1101	135	GKA169R99			0.57	2519	171	GK189R99 GKA189R99	4	
	1.53	944	135	GK169R99 GKA169R99	7.5		0.63	2268	171			
	1.71	844	135				0.70	2054	171			
	1.90	757	135				0.79	1821	171	GK189R99 GKA189R99	5.5	
	2.28	632	135				0.90	1605	171			
	2.6	561	135	GK169R99	11		1.03	1395	171	GK189R99 GKA189R99	7.5	
	3.0	481	135	GKA169R99			1.20	1196	171			
	3.5	423	135	GK169R99	15		1.38	1046	171	GK189R99 GKA189R99	7.5	
	4.0	369	135	GKA169R99			1.52	945	171			
	4.6	317	135	GK169R109 GKA169R109	18.5		2.0	738	171	GK189R99 GKA189R99	15	
	5.3	277	135	GK169R109			2.4	621	171			
	6.0	244	135	GKA169R109	22		2.8	527	171	GK189R99 GKA189R99	18.5	
	6.9	213	135	GK169R109			1.7	835	171			
	7.2	205	135	GKA169R109	30		2.0	729	171	GK189R109 GKA189R109	15	
	8.2	180	135	GKA169R109			2.3	622	171			
	9.3	159	135	GK169R109 GKA169R109	37		2.8	520	171	GK189R109 GKA189R109	18.5	
	11.0	135	135	GK169R109			3.2	454	171			
	12.5	118	135	GKA169R109	45		4.1	355	171	GK189R109 GKA189R109	30	
							5.7	261	171			
							6.7	221	171	GK189R109 GKA189R109	45	
							7.7	193	171			
							9.1	163	171			

GK39-159
安装结构尺寸



GK39-159
Mounting Dimensional Description



机 型 号 Type Size	a	a ₂	b ₁	q ₁	s	d	l ₁	u	w	e	c	f ₀	n	G	电机尺寸 Motor Size			
	b	h	q	h ₁	a ₃	l	l ₂	t	A	p ₃	n ₀	f	M		AC	AD	L1	
GK39	100 110	28 100 _{-0.5}	115 63 _{-0.5}	139 8.5	Φ11 32	Φ25k6 50	5 40	8 28	110 60	120 165	16 37	150 143	38 M10	Φ120	见附录 A-2 和 A-3			
GK49	120 130	35 112 _{-0.5}	130 71 _{-0.5}	166 7.2	Φ11 37	Φ30k6 60	3.5 50	8 33	135 75	145 185	18 37	170 162	32 M10	Φ160				
GK59	130 130	30 132 _{-0.5}	150 80 _{-0.5}	173 13.1	Φ13.5 45	Φ35k6 70	7 56	10 38	153 88	157 217	21 43	190 172	43 M12	Φ160				
GK69	140 120	30 140 _{-0.5}	160 90 _{-0.5}	179 20	Φ13.5 45	Φ40k6 80	5 70	12 43	171 101	170 228	24 43	203 170	45 M16	Φ160				
GK79	165 150	40 180 _{-0.5}	200 112 _{-0.5}	202 31.3	Φ17.5 55	Φ50k6 100	10 80	14 53.5	206 123.5	200 288	27 55	263 212.5	55 M16	Φ200				
GK89	180 180	55 212 _{-0.5}	233 132 _{-0.5}	257 25.9	Φ22 70	Φ60m6 120	5 110	18 64	240 150	230 340	32 67	305 260	75 M20	Φ250				
GK99	240 240	75 265 ₋₁	295 160 _{-0.5}	277 32.3	Φ26 75	Φ70m6 140	7.5 125	20 74.5	291 171	290 417	36 82	372 294	60 M20	Φ300				
GK109	270 280	95 315 ₋₁	360 200 _{-0.5}	341 52	Φ33 95	Φ90m6 170	5 160	25 95	347 212	340 503	40 90	448 380	100 M24	Φ350				
GK129	330 350	115 375 ₋₁	420 225 _{-0.5}	390 53	Φ39 110	Φ110m6 210	15 180	28 116	418 253	400 592	45 111	526 440	100 M24	Φ450				
GK159	420 380	140 450 ₋₁	500 280 ₋₁	426 71.7	Φ39 130	Φ120m6 210	5 200	32 127	457 247	500 705	54 115	634 480	100 M24	Φ550				
Please see appendix A-2 and A-3																		

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。

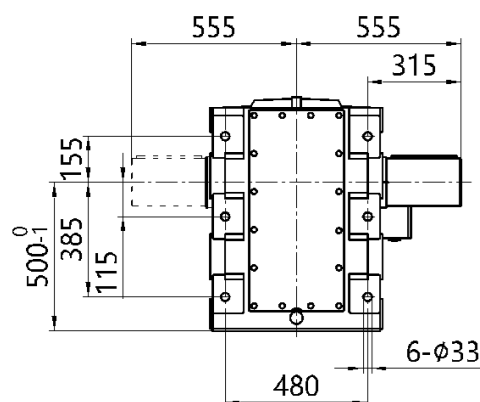
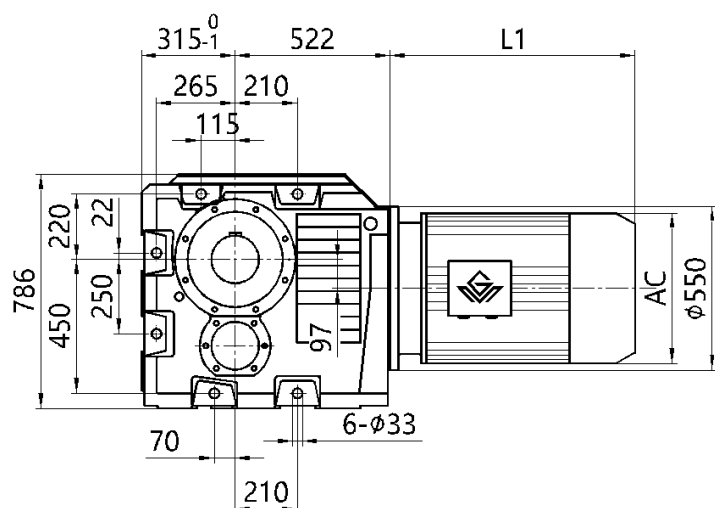
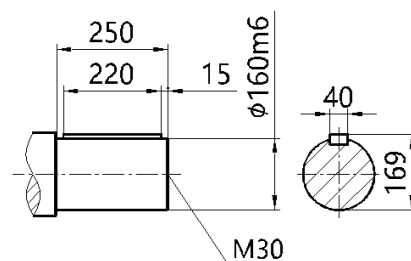
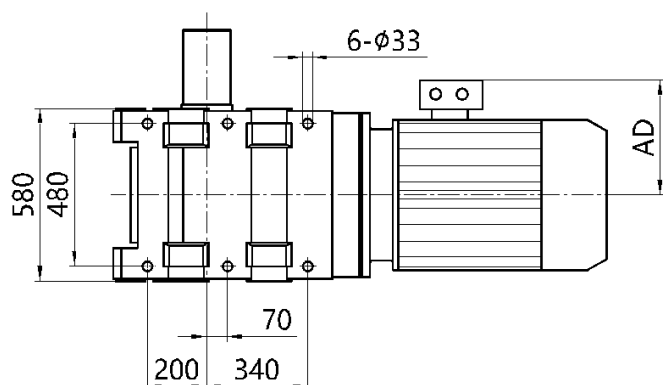
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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)

GK169

安装结构尺寸



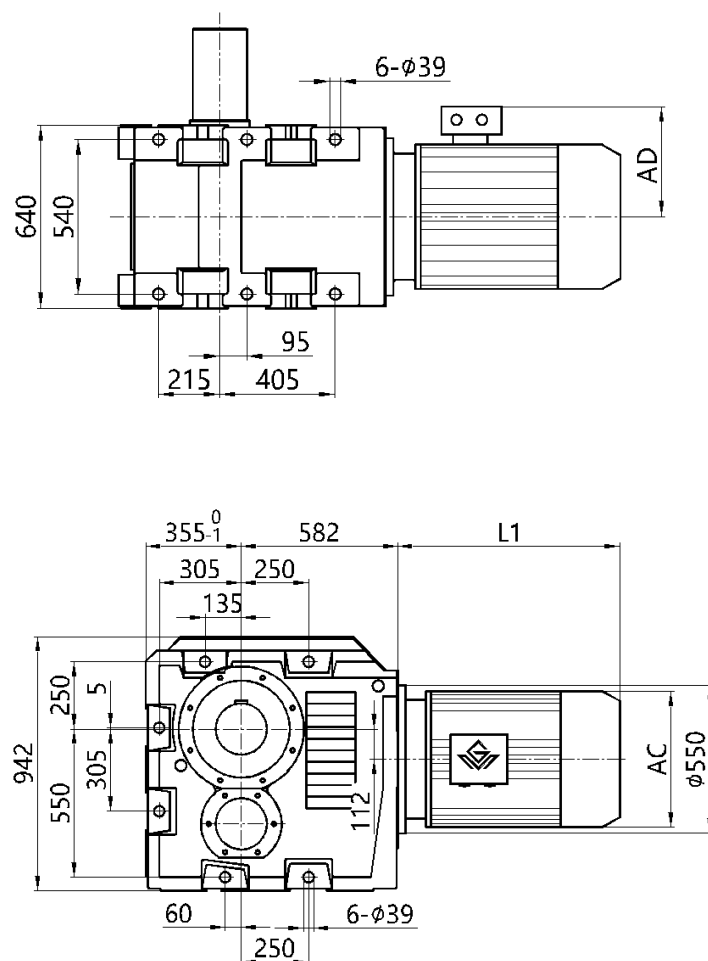
注: 1.电机需方配或配特殊电机时需加联接法兰 (见附录 D)

2.直联电机尺寸见附录 A-2 和 A-3

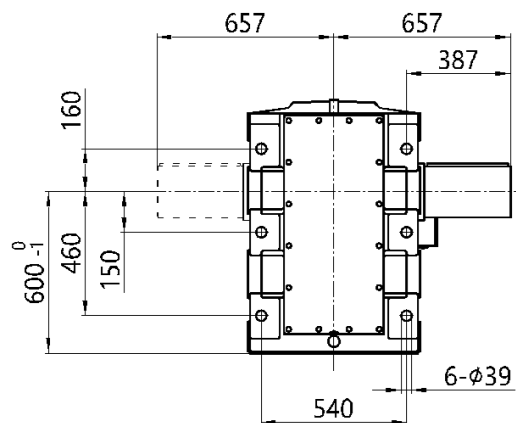
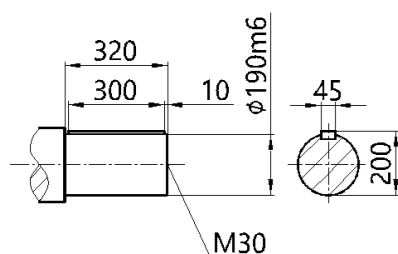
Note: 1. When equipping the user's motor or the special one, the flange is required to be connected. (Please see appendix D)

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

GK189
安装结构尺寸



GK189
Mounting Dimensional Description



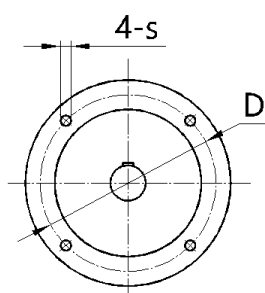
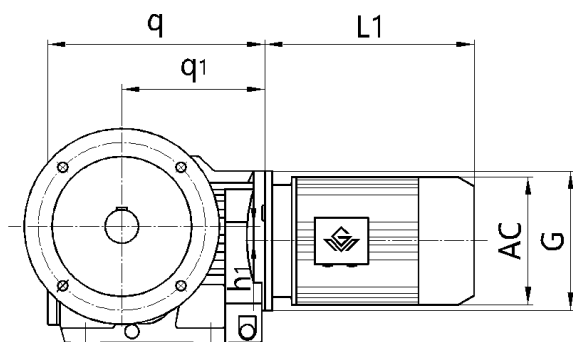
注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

2.直联电机尺寸见附录 A-2 和 A-3

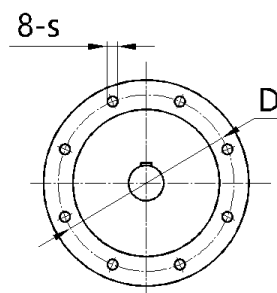
Note: 1.When equipping the user's motor or the special one, the flange is required to connected. (Please see appendix D)

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

GKF39-159
安装结构尺寸

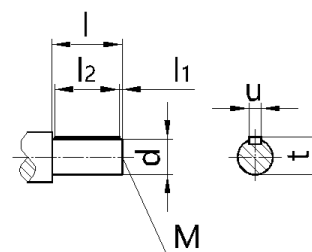
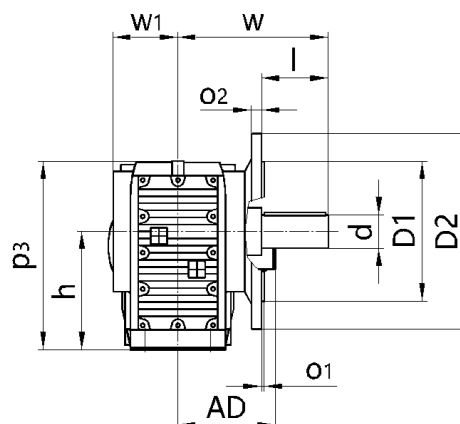


GKF39-89



GKF99-159

GKF39-159
Mounting Dimensional Description



机 型 号 Type Size	s o ₂	q w	q ₁ w ₁	h ₁ l	D l ₁	D1 l ₂	D2 d	h M	p ₃ u	o ₁ t	G	电机尺寸 Motor Size		
												AC	AD	L1
GKF39	Φ9 10	210 134	139 57.5	8.5 50	Φ130 5	Φ110j6 40	Φ160 Φ25k6	100 _{-0.5} M10	164 8	3.5 28	Φ120	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
GKF49	Φ11 12	243 160	166 72	7.2 60	Φ165 3.5	Φ130j6 50	Φ200 Φ30k6	112 _{-0.5} M10	185 8	3.5 33	Φ160			
GKF59	Φ13.5 15	270 176.5	173 80	13.1 70	Φ215 7	Φ180j6 56	Φ250 Φ35k6	132 _{-0.5} M12	215 10	4 38	Φ160			
GKF69	Φ13.5 15	275 193	179 86.5	20 80	Φ215 5	Φ180j6 70	Φ250 Φ40k6	140 _{-0.5} M16	226 12	4 43	Φ160			
GKF79	Φ13.5 16	313 242	202 101	31.3 100	Φ265 10	Φ230j6 80	Φ300 Φ50k6	180 _{-0.5} M16	288 14	4 53.5	Φ200			
GKF89	Φ17.5 18	391 270	257 146	25.9 120	Φ300 5	Φ250h6 110	Φ350 Φ60m6	212 _{-0.5} M20	338 18	5 64	Φ250			
GKF99	Φ17.5 22	435 332	277 176	32.3 140	Φ400 7.5	Φ350h6 125	Φ450 Φ70m6	265 ₋₁ M20	417 20	5 74.5	Φ300			
GKF109	Φ17.5 22	537 386	341 181	52 170	Φ400 5	Φ350h6 160	Φ450 Φ90m6	315 ₋₁ M24	500 25	5 95	Φ350			
GKF129	Φ17.5 25	615 466	390 203	53 210	Φ500 15	Φ450h6 180	Φ550 Φ110m6	375 ₋₁ M24	592 28	5 116	Φ450			
GKF159	Φ22 28	706 520	426 254	71.7 210	Φ600 5	Φ550h6 200	Φ660 Φ120m6	450 ₋₁ M24	705 32	6 127	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。

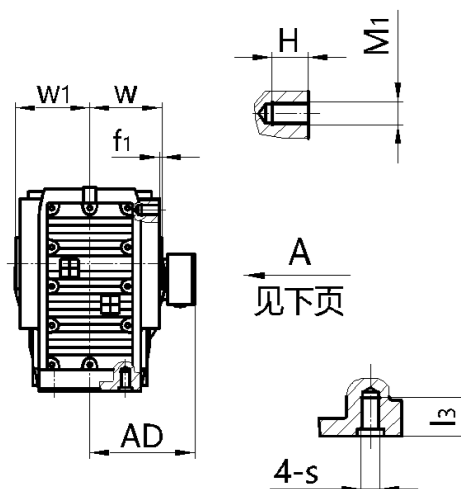
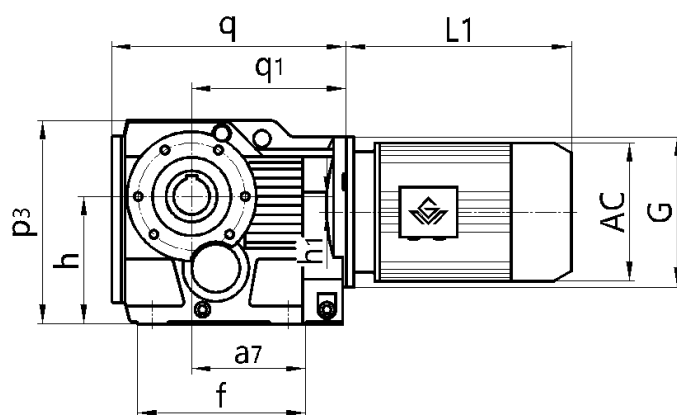
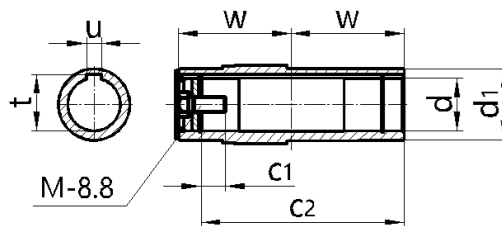
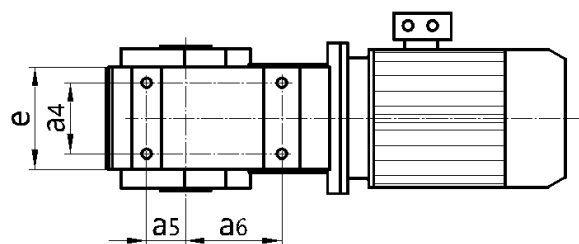
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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)

GKA39-109
安装结构尺寸

GKA39-109
Mounting Dimensional Description



机 型 号 Type Size	s q	l ₃ q ₁	e w	a ₄ d	a ₅ d ₁	a ₆ t	a ₇ u	f f ₁	h H	h ₁ M ₁	p ₃ c ₁	c ₂ M	G w ₁	电机尺寸 Motor Size		
														AC	AD	L1
GKA39	M10	20	100	60	35	82	97	147	100 ^{-0.5}	8.5	164	105	Φ120	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	210	139	60	Φ30H7	Φ45	33.3	8	2.5	15	M8	17	M10×25	63			
GKA49	M10	20	110	70	40	100	115	170	112 ^{-0.5}	7.2	185	132	Φ160			
	243	166	75	Φ35H7	Φ50	38.3	10	3	14	M8	22	M12×30	78			
GKA59	M12	25	122	88	47	105	120	182	132 ^{-0.5}	13.1	215	142	Φ160			
	270	173	83	Φ40H7	Φ55	43.3	12	3	20	M12	29	M16×40	86			
GKA69	M12	25	130	88	42	110	125	182	140 ^{-0.5}	20	226	156	Φ160			
	275	179	90	Φ40H7	Φ55	43.3	12	3.5	21	M12	29	M16×40	94			
GKA79	M16	32	156	102	48	122	139	204	180 ^{-0.5}	31.3	288	183	Φ200			
	313	202	105	Φ50H7	Φ70	53.8	14	4	23	M12	32	M16×45	108			
GKA89	M16	32	170	118	65	160	190	280	212 ^{-0.5}	25.9	338	210	Φ250			
	391	257	120	Φ60H7	Φ85	64.4	18	4	30	M16	36	M20×50	123			
GKA99	M20	36	226	160	83	165	190	298	265 ⁻¹	32.3	417	270	Φ300			
	435	277	150	Φ70H7	Φ95	74.9	20	4	28	M16	34	M20×50	153			
GKA109	M24	44	268	190	100	190	230	370	315 ⁻¹	52	500	313	Φ350			
	537	341	175	Φ90H7	Φ118	95.4	25	3	/	/	40	M24×60	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。

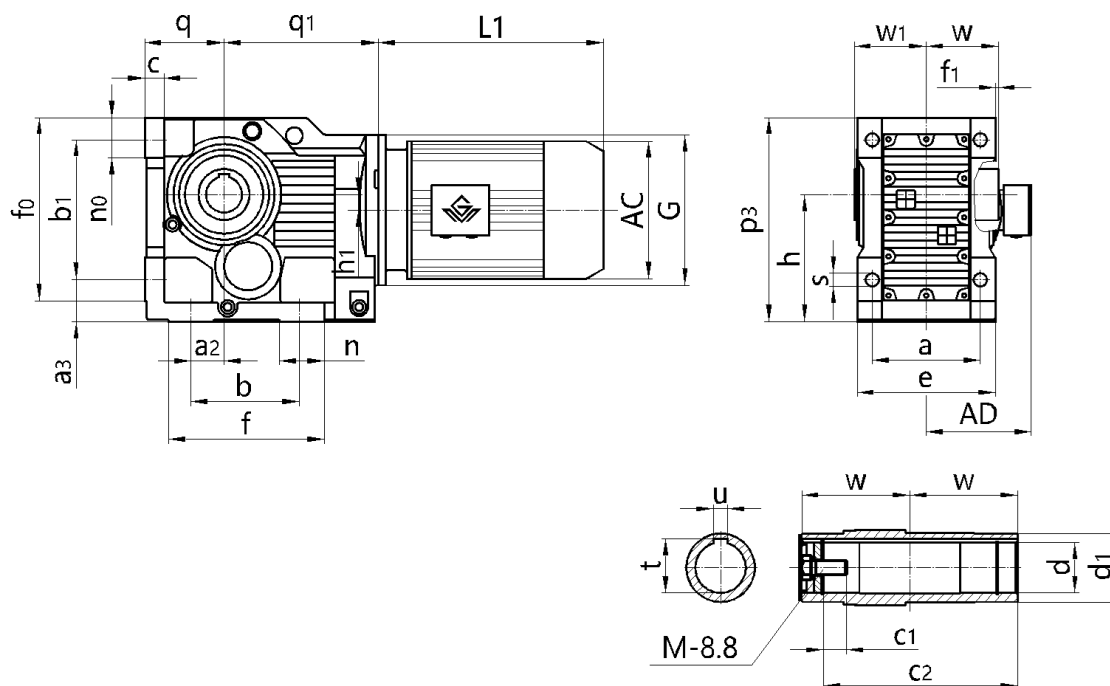
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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)

GKA129-159
安装结构尺寸

GKA129-159
Mounting Dimensional Description



机 型 号 Type Size	s b	p ₃ a ₂	h n	a f ₀	e a ₃	f ₁ b ₁	w n ₀	d h ₁	d ₁ c	t q	u q ₁	f c ₁	c ₂ M	G w ₁	电机尺寸 Motor Size		
															AC	AD	L1
GKA129	Φ39 350	592 115	375 ₋₁ 100	330 526	400 110	2.5 420	205 111	Φ100H7 53	Φ135 45	106.4 225 _{-0.5}	28 390	440 38	373 M24×60	Φ450 208	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
GKA159	Φ39 380	705 140	450 ₋₁ 100	420 634	500 130	3 500	250 125	Φ120H7 71.7	Φ155 54	127.4 280 ₋₁	32 426	480 36	460 M24×60	Φ550 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。

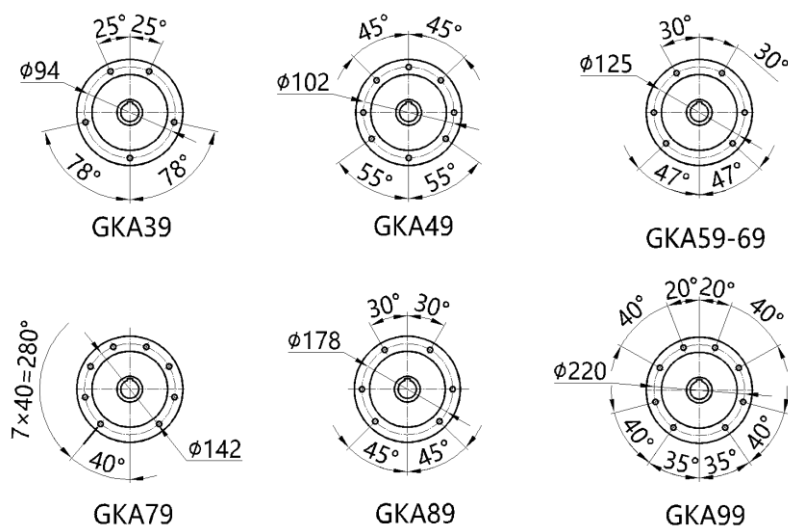
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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

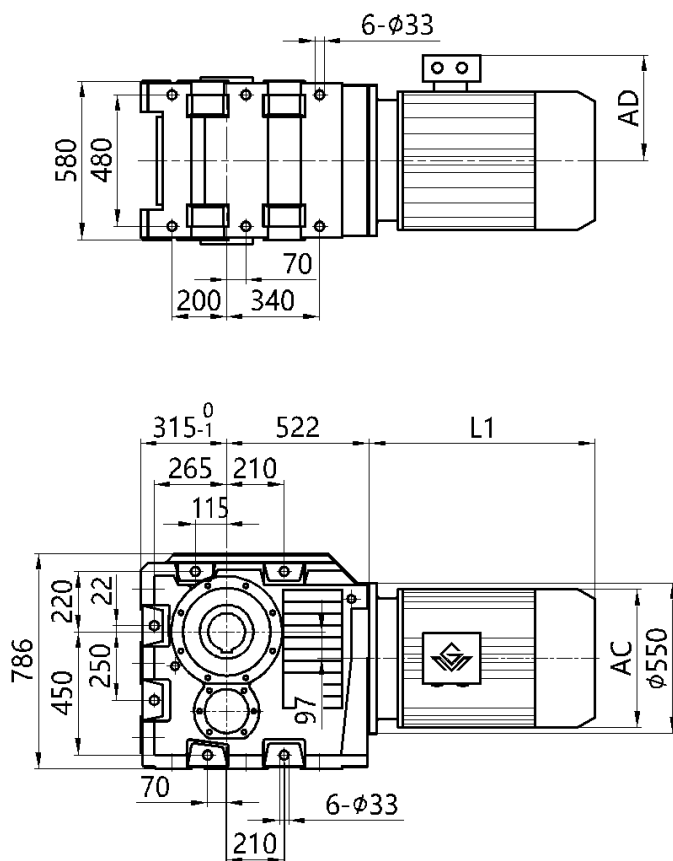
2.When equipping the user's motor or the special one, the flange is required to be connected. (Please see appendix D)

A 向法兰安装结构尺寸

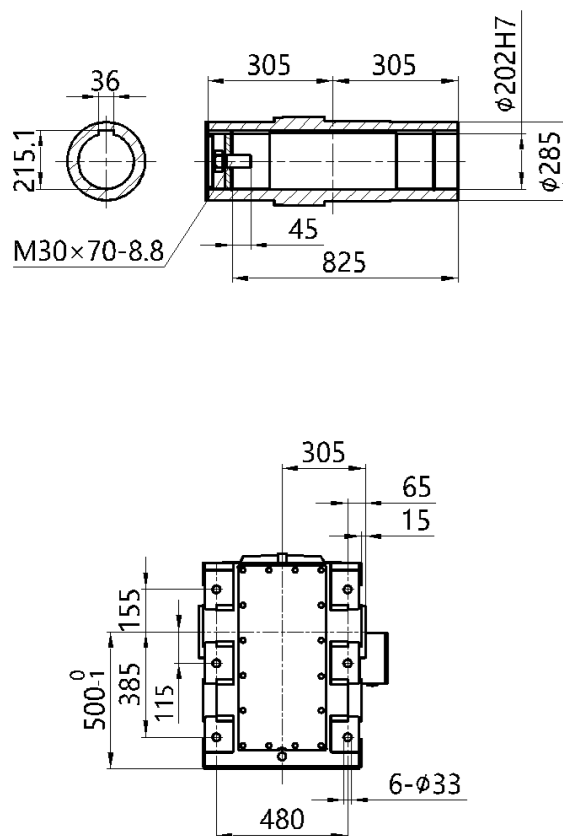
Fig.A Mounting Dimension



GKA169
安装结构尺寸



GKA169
Mounting Dimensional Description

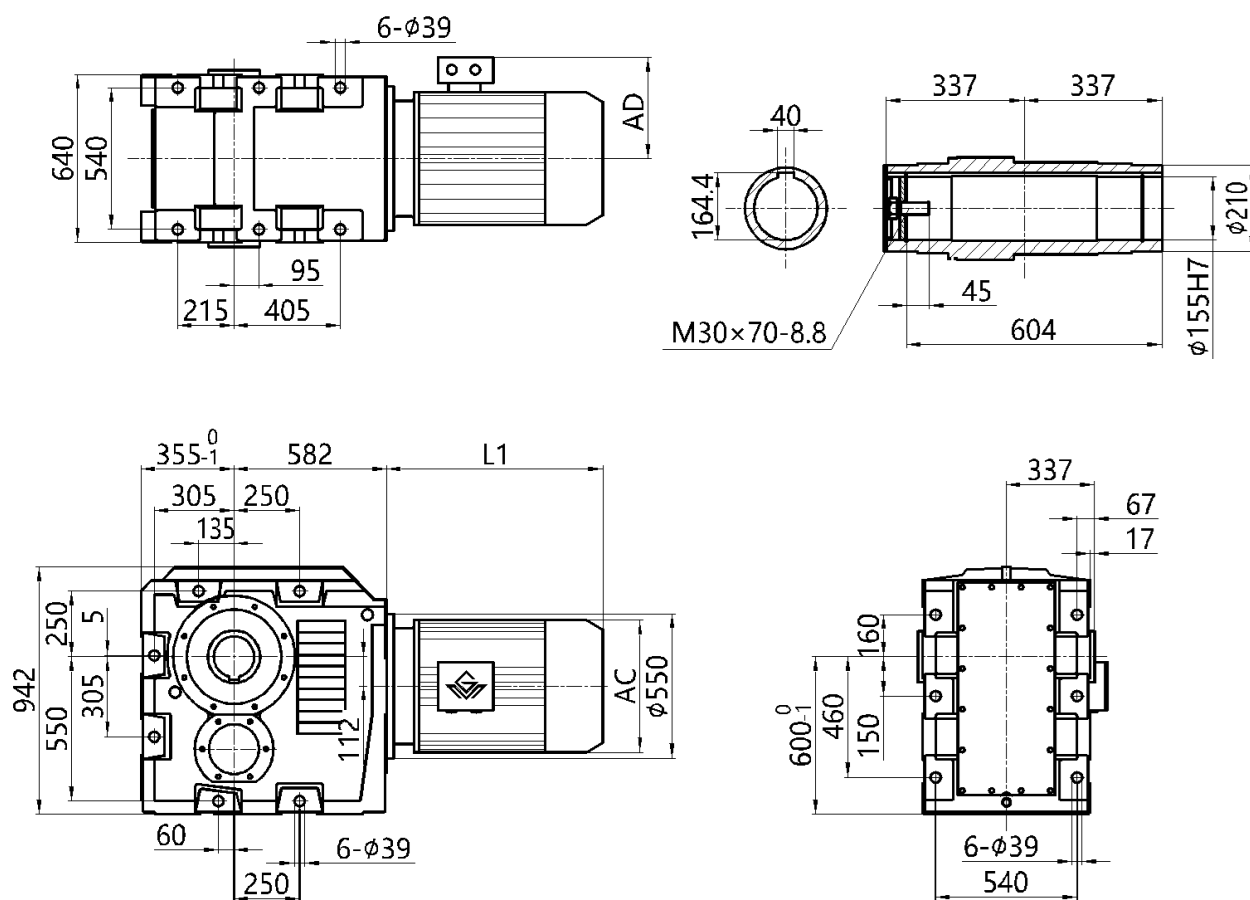


注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）
2.直联电机尺寸见附录 A-2 和 A-3

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

GKA189
安装结构尺寸

GKA189
Mounting Dimensional Description



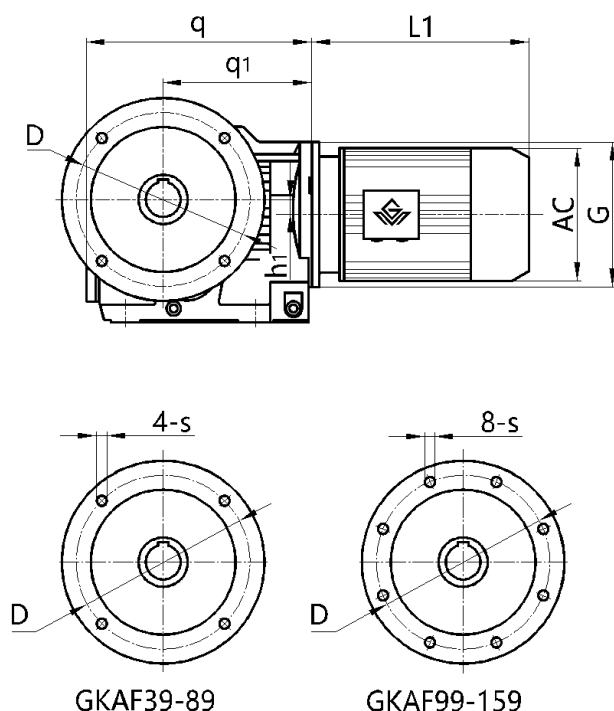
注： 1.电机需方配或配特殊电机时需加联接法兰（见附录 D）

2.直联电机尺寸见附录 A-2 和 A-3

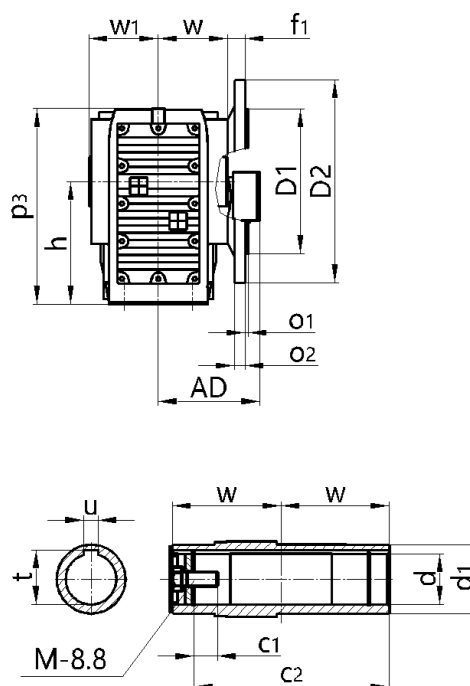
Note: 1.When equipping the user's motor or the special one, the flange is required to connected. (Please see appendix D)

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

GKAF39-159
安装结构尺寸



GKAF39-159
Mounting Dimensional Description



机 型 号 Type Size	s o ₁	q o ₂	q ₁ w	h ₁ f ₁	D d	D1 d ₁	D2 u	h t	p ₃ c ₁	c ₂ M	G w ₁	电机尺寸 Motor Size		
												AC	AD	L1
GKAF39	Φ9 3.5	210 10	139 60	8.5 24	Φ130 Φ30H7	Φ110j6 Φ45	Φ160 8	100 _{-0.5} 33.3	164 17	105 M10×25	Φ120 63	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
GKAF49	Φ11 3.5	243 12	166 75	7.2 25	Φ165 Φ35H7	Φ130j6 Φ50	Φ200 10	112 _{-0.5} 38.3	185 22	132 M12×30	Φ160 78			
GKAF59	Φ13.5 4	270 15	173 83	13.1 23.5	Φ215 Φ40H7	Φ180j6 Φ55	Φ250 12	132 _{-0.5} 43.3	215 29	142 M16×40	Φ160 86			
GKAF69	Φ13.5 4	275 15	179 90	20 23	Φ215 Φ40H7	Φ180j6 Φ55	Φ250 12	140 _{-0.5} 43.3	226 29	156 M16×40	Φ160 94			
GKAF79	Φ13.5 4	313 16	202 105	31.3 37	Φ265 Φ50H7	Φ230j6 Φ70	Φ300 14	180 _{-0.5} 53.8	288 32	183 M16×45	Φ200 108			
GKAF89	Φ17.5 5	391 18	257 120	25.9 30	Φ300 Φ60H7	Φ250h6 Φ85	Φ350 18	212 _{-0.5} 64.4	338 36	210 M20×50	Φ250 123			
GKAF99	Φ17.5 5	435 22	277 150	32.3 41.5	Φ400 Φ70H7	Φ350h6 Φ95	Φ450 20	265 ₋₁ 74.9	417 34	270 M20×50	Φ300 153			
GKAF109	Φ17.5 5	537 22	341 175	52 41	Φ400 Φ90H7	Φ350h6 Φ118	Φ450 25	315 ₋₁ 95.4	500 40	313 M24×60	Φ350 178			
GKAF129	Φ17.5 5	615 25	390 205	53 51	Φ500 Φ100H7	Φ450h6 Φ135	Φ550 28	375 ₋₁ 106.4	592 38	373 M24×60	Φ450 208			
GKAF159	Φ22 6	706 28	426 250	71.7 60	Φ600 Φ120H7	Φ550h6 Φ155	Φ660 32	450 ₋₁ 127.4	705 36	460 M24×60	Φ550 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。

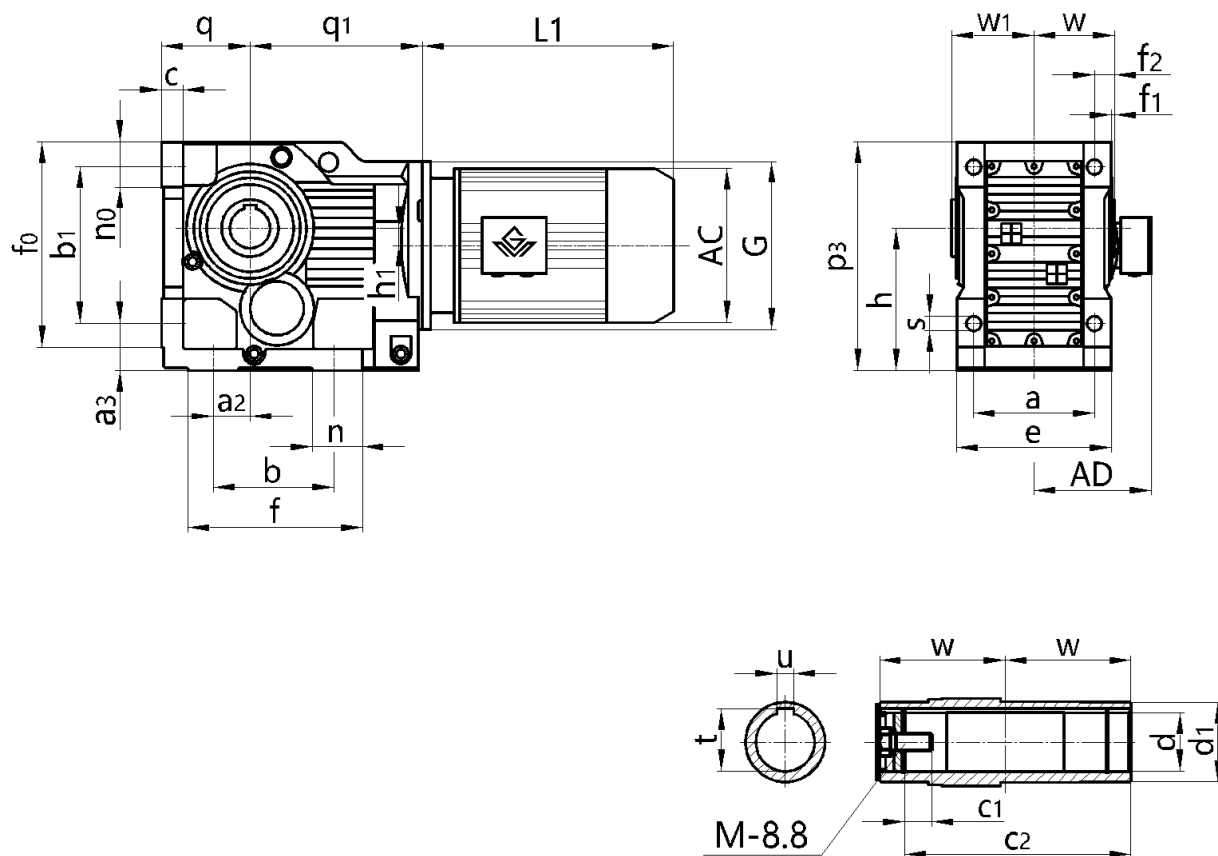
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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)

GKAB49-109
安装结构尺寸

GKAB49-109
Mounting Dimensional Description



机型号 Type Size	s b	p ₃ a ₂	h n	a f ₀	e a ₃	f ₁ b ₁	w n ₀	d h ₁	d ₁ c	t q	u q ₁	f f ₂	c ₁ c ₂	w ₁ M	G	电机尺寸 Motor Size		
																AC	AD	L1
GKAB49	Φ11 130	185 35	112 _{-0.5} 32	120 170	145 37	3 130	75 37	Φ35H7 7.2	Φ50 18	38.3 71 _{-0.5}	10 166	162 15	22 132	78 M12×30	Φ160	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
GKAB59	Φ13.5 130	217 30	132 _{-0.5} 43	130 190	157 45	3 150	83 43	Φ40H7 13.1	Φ55 21	43.3 80 _{-0.5}	12 173	172 18	29 142	86 M16×40	Φ160			
GKAB69	Φ13.5 120	228 30	140 _{-0.5} 45	140 203	170 45	3.5 160	90 43	Φ40H7 20	Φ55 24	43.3 90 _{-0.5}	12 179	170 20	29 156	94 M16×40	Φ160			
GKAB79	Φ17.5 150	288 40	180 _{-0.5} 55	165 263	200 55	4 200	105 55	Φ50H7 31.3	Φ70 27	53.8 112 _{-0.5}	14 202	212.5 22.5	32 183	108 M16×45	Φ200			
GKAB89	Φ22 180	340 55	212 _{-0.5} 75	180 305	230 70	4 233	120 67	Φ60H7 25.9	Φ85 32	64.4 132 _{-0.5}	18 257	260 30	36 210	123 M20×50	Φ250			
GKAB99	Φ26 240	417 75	265 ₋₁ 60	240 372	290 75	4 295	150 82	Φ70H7 32.3	Φ95 36	74.9 160 _{-0.5}	20 277	294 30	34 270	153 M20×50	Φ300			
GKAB109	Φ33 280	503 95	315 ₋₁ 100	270 448	340 95	3 360	175 90	Φ90H7 52	Φ118 40	95.4 200 _{-0.5}	25 341	380 40	40 313	178 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。

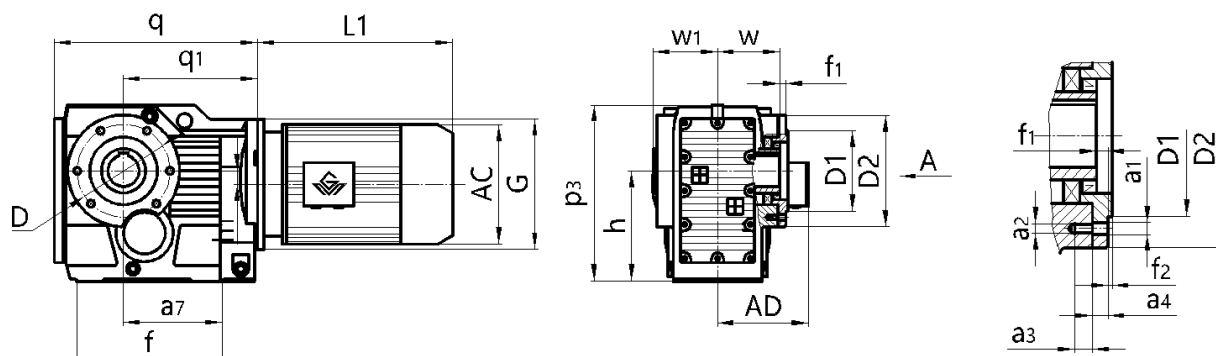
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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

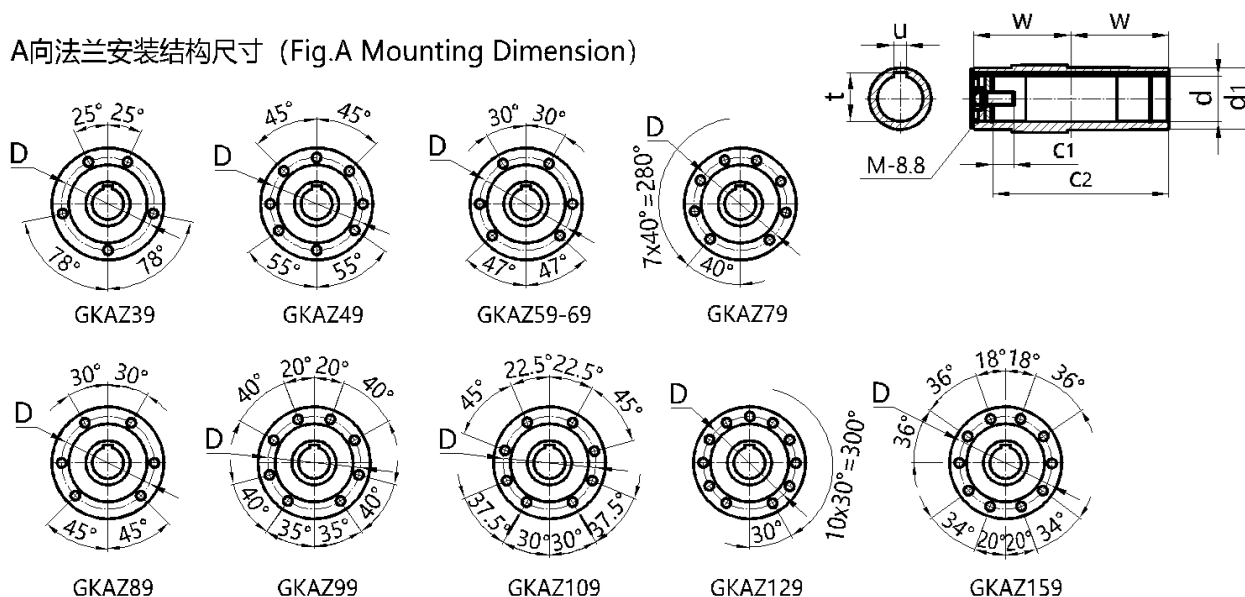
2.When equipping the user's motor or the special one, the flange is required to connected. (Please see appendix D)

GKAZ39-159
安装结构尺寸

GKAZ39-159
Mounting Dimensional Description



A向法兰安装结构尺寸 (Fig.A Mounting Dimension)



机 型 号 Type Size	q q ₁	D1 D2	h h ₁	p ₃ a ₇	f f ₁	w w ₁	d d ₁	c ₂ c ₁	t u	a ₃ a ₄	f ₂ a ₂	a ₁ D	G M	电机尺寸 Motor Size		
														AC	AD	L1
GKAZ39	210	Φ80j6	100 ^{-0.5}	164	147	60	Φ30H7	105	33.3	12	3	Φ9	Φ120	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	139	Φ110	8.5	97	9	63	Φ45	17	8	11.5	M8	Φ94	M10×25			
GKAZ49	243	Φ80j6	112 ^{-0.5}	185	170	75	Φ35H7	132	38.3	12	3	Φ9	Φ160			
	166	Φ120	7.2	115	8	78	Φ50	22	10	11	M8	Φ102	M12×30			
GKAZ59	270	Φ105j6	132 ^{-0.5}	215	182	83	Φ40H7	142	43.3	20	3.5	Φ13.5	Φ160			
	173	Φ155	13.1	120	9	86	Φ55	29	12	12	M12	Φ125	M16×40			
GKAZ69	275	Φ105j6	140 ^{-0.5}	226	182	90	Φ40H7	156	43.3	21	3.5	Φ13.5	Φ160			
	179	Φ155	20	125	8.5	94	Φ55	29	12	12	M12	Φ125	M16×40			
GKAZ79	313	Φ125j6	180 ^{-0.5}	288	204	105	Φ50H7	183	53.8	23	3.5	Φ13.5	Φ200			
	202	Φ170	31.3	139	10	108	Φ70	32	14	14	M12	Φ142	M16×45			
GKAZ89	391	Φ155j6	212 ^{-0.5}	338	280	120	Φ60H7	210	64.4	30	4	Φ17.5	Φ250			
	257	Φ215	25.9	190	11	123	Φ85	36	18	15	M16	Φ178	M20×50			
GKAZ99	435	Φ180j6	265 ⁻¹	417	298	150	Φ70H7	270	74.9	28	4	Φ17.5	Φ300			
	277	Φ260	32.3	190	14	153	Φ95	34	20	18	M16	Φ220	M20×50			
GKAZ109	537	Φ210j6	315 ⁻¹	500	370	175	Φ90H7	313	95.4	32	4	Φ22	Φ350			
	341	Φ304	52	230	-8	178	Φ118	40	25	22	M20	Φ260	M24×60			
GKAZ129	615	Φ250h6	375 ⁻¹	592	440	205	Φ100H7	373	106.4	36	5	Φ22	Φ450			
	390	Φ350	53	275	0	208	Φ135	38	28	30	M20	Φ300	M24×60			
GKAZ159	706	Φ290h6	450 ⁻¹	705	480	250	Φ120H7	460	127.4	42	5	Φ26	Φ550			
	426	Φ400	71.7	290	-14	253	Φ155	36	32	28	M24	Φ340	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。

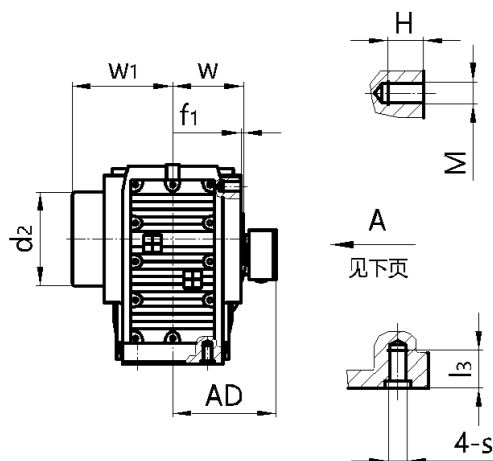
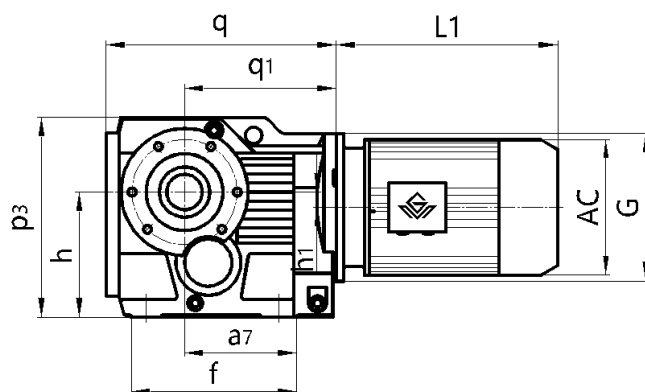
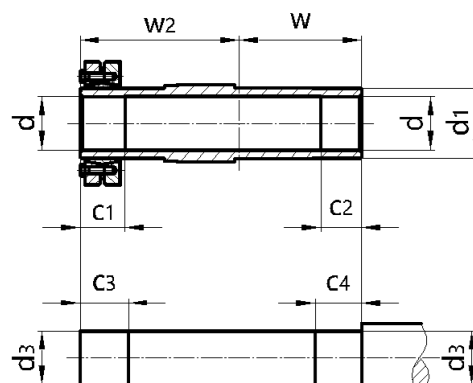
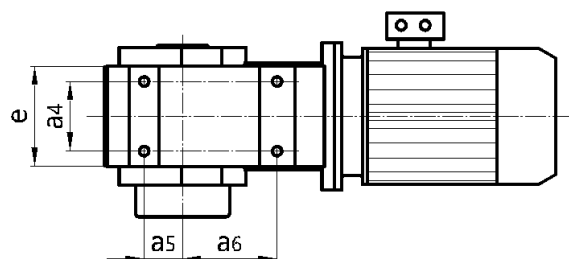
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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)

GKH39-109
安装结构尺寸

GKH39-109
Mounting Dimensional Description



机 型 号 Type Size	q	h	e	a4	a6	f	d2	d	w	w2	c1	c3	s	M	电机尺寸 Motor Size		
	q1	h1	p3	a5	a7	f1	d1	d3	w1	G	c2	c4	l3	H	AC	AD	L1
GKH39	210	100-0.5	100	60	82	147	Φ80	Φ30H7	60	86	31	36	M10	M8	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	139	8.5	164	35	97	2.5	Φ45	Φ30h6	95	Φ120	20	25	20	12			
GKH49	243	112-0.5	110	70	100	170	Φ88	Φ35H7	75	102	32	37	M10	M8			
	166	7.2	185	40	115	3	Φ50	Φ35h6	110	Φ160	20	25	20	12			
GKH59	269	132-0.5	122	88	105	182	Φ102	Φ40H7	83	112	26	31	M12	M12			
	173	13.1	215	47	120	3	Φ55	Φ40h6	120	Φ160	20	25	25	20			
GKH69	274	140-0.5	130	88	110	182	Φ102	Φ40H7	90	118	38	43	M12	M12			
	179	20	226	42	125	3.5	Φ55	Φ40h6	126	Φ160	20	25	25	20			
GKH79	312	180-0.5	154	102	122	204	Φ127	Φ50H7	105	136	36	41	M16	M12			
	202	31.3	288	48	139	4	Φ70	Φ50h6	146	Φ200	30	35	32	20			
GKH89	390	212-0.5	170	118	160	280	Φ159	Φ65H7	120	161	41	46	M16	M16			
	257	25.9	338	65	190	4	Φ85	Φ65h6	170	Φ250	40	45	32	26			
GKH99	435	265-1	226	160	165	298	Φ174	Φ75H7	150	195	55	60	M20	M16			
	277	32.3	417	83	190	4	Φ95	Φ75h6	206	Φ300	50	55	36	26			
GKH109	537	315-1	266	190	190	370	Φ234	Φ95H7	175	230	65	75	M24	/			
	341	52	500	100	230	2.5	Φ118	Φ95h6	245	Φ350	60	70	44	/			

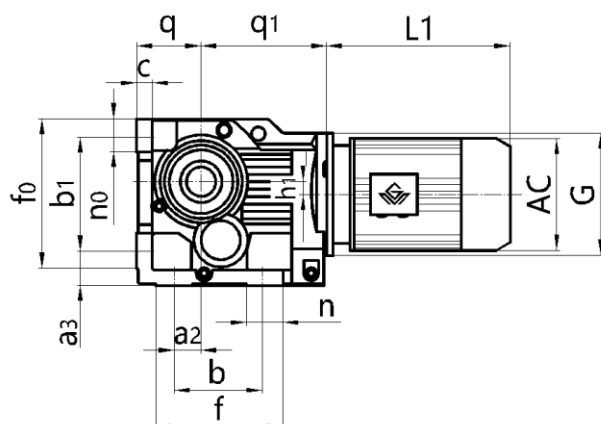
注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

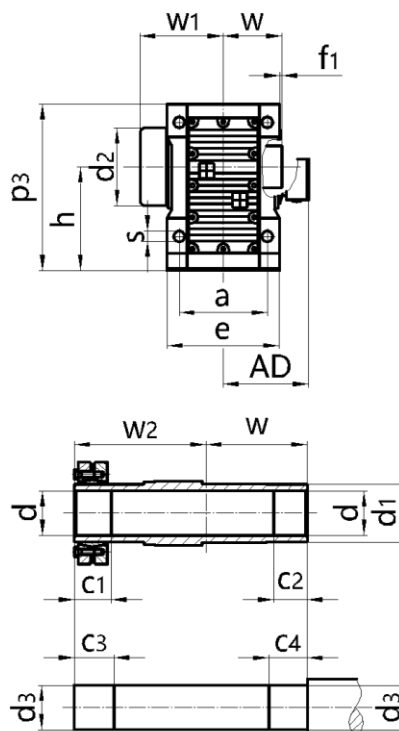
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

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

GKH129-159
安装结构尺寸



GKH129-159
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
GKH129	390 225 ^{-0.5}	45 Φ39	111 420	526 110	440 100	115 350	375 ₋₁ 592	330 400	205 296	280 2.5	85 70	95 80	Φ250 Φ135	Φ105H7 Φ105h6	53 Φ450	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
GKH159	426 280 ₋₁	54 Φ39	115 500	634 130	480 100	140 380	450 ₋₁ 705	420 500	250 350	330 3	90 80	100 90	Φ287 Φ155	Φ125H7 Φ125h6	71.7 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。

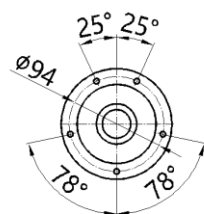
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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

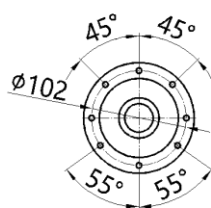
2.When equipping the user's motor or the special one, the flange is required to connected. (Please see appendix D)

A 向法兰安装结构尺寸

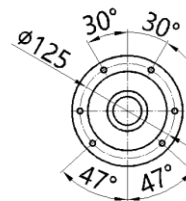
Fig.A Mounting Dimension



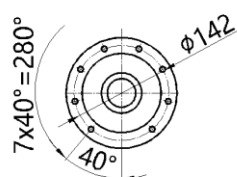
GKH39



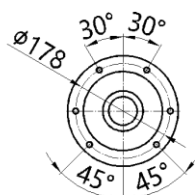
GKH49



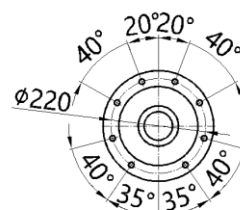
GKH59-69



GKH79



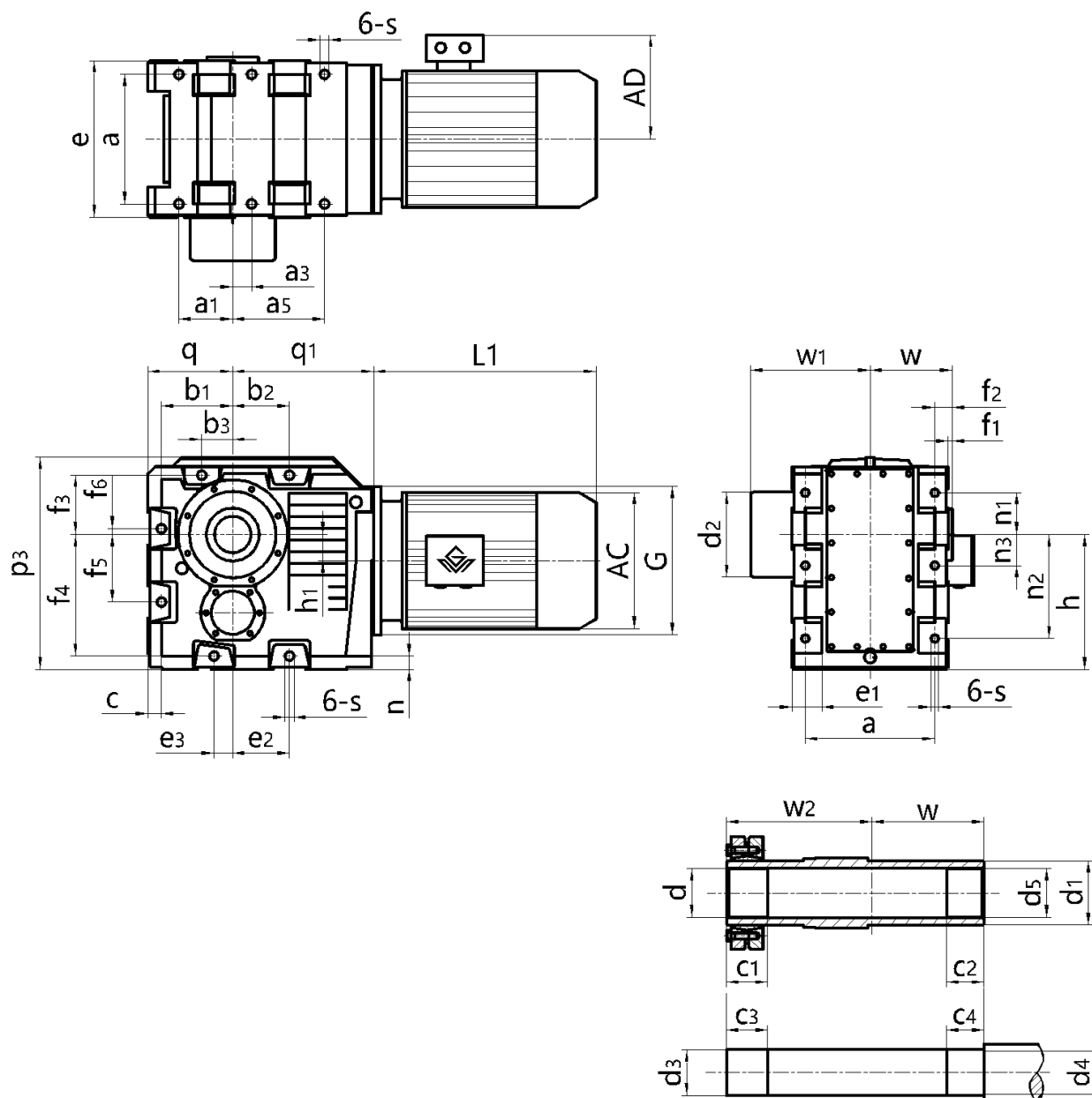
GKH89



GKH99

GKH169-189
安装结构尺寸

GKH169-189
Mounting Dimensional Description



机 型 号 Type size	a_1	p_3	b_1	f_3	f_6	e_2	a	h	n_3	c_1	c_4	w_2	d	d_4	电机尺寸 Motor size		
	a_2	q	b_2	f_4	h_1	e_3	f_2	n_1	e	c_2	w	s	d_5	d_1	AC	AD	L1
	a_3	q_1	b_3	f_5	n	c	f_1	n_2	e_1	c_3	w_1	d_2	d_3	G			
GKH169	200	786	265	220	22	210	480	500 ₋₁	115	122	100	423	Φ135H7	Φ140h6	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	340	315 ₋₁	210	450	97	70	65	155	580	90	305	Φ33	Φ140H7	Φ180			
	70	522	115	250	50	50	15	385	104	130	442	Φ317	Φ135h6	Φ550			
GKH189	215	942	305	250	5	250	540	600 ₋₁	150	117	105	455	Φ155H7	Φ160h6	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	405	355 ₋₁	250	550	112	60	67	160	640	95	337	Φ39	Φ160H7	Φ210			
	95	582	135	305	50	50	17	460	110	130	474	Φ367	Φ155h6	Φ550			

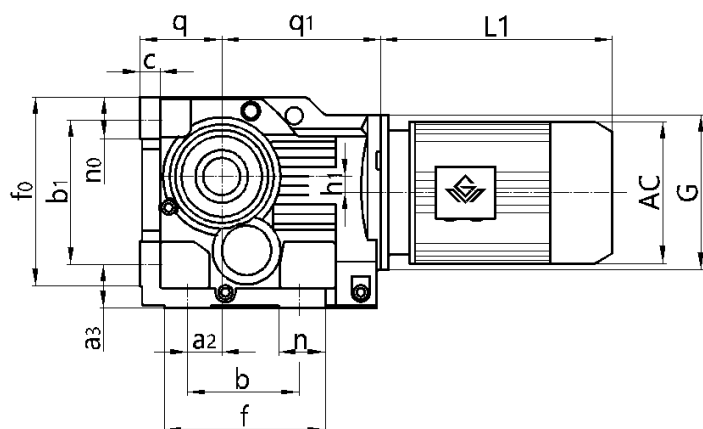
注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

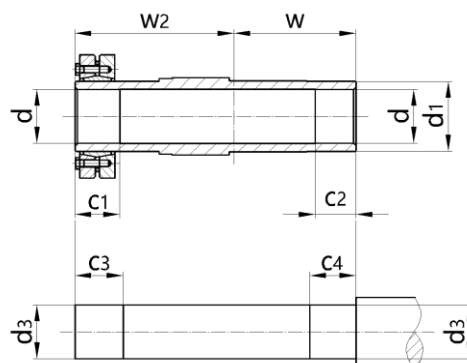
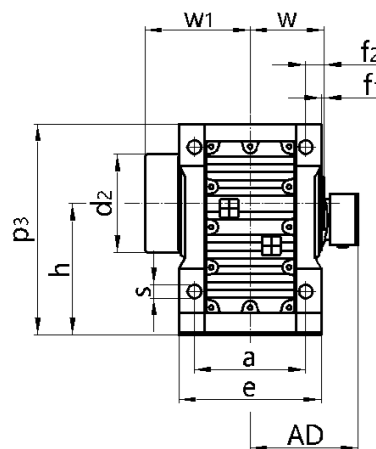
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

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

GKHB49-109
安装结构尺寸



GKHB49-109
Mounting Dimensional Description



机 型 号 Type Size	q	s	p ₃	h	a	e	f ₀	w	d	c	d ₁	f	c ₁	c ₃	w ₁	G	电机尺寸 Motor Size		
	q ₁	b	a ₂	n	b ₁	a ₃	f ₁	n ₀	d ₃	h ₁	d ₂	f ₂	c ₂	c ₄	w ₂		AC	AD	L1
GKHB49	71 ^{-0.5} 166	Φ11 130	185 35	112 ^{-0.5} 32	120 130	145 37	170 3	75 37	Φ35H7 Φ35h6	18 7.2	Φ50 Φ88	162 15	32 20	37 25	110 102	Φ160	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
GKHB59	80 ^{-0.5} 173	Φ13.5 130	217 30	132 ^{-0.5} 40	130 150	157 45	190 3	83 43	Φ40H7 Φ40h6	21 13.1	Φ55 Φ102	172 18	26 20	31 25	120 112	Φ160			
GKHB69	90 ^{-0.5} 179	Φ13.5 120	228 30	140 ^{-0.5} 45	140 160	170 45	203 3.5	90 43	Φ40H7 Φ40h6	24 20	Φ55 Φ102	170 20	38 20	43 25	126 118	Φ160			
GKHB79	112 ^{-0.5} 202	Φ17.5 150	288 40	180 ^{-0.5} 55	165 200	200 45	263 4	105 55	Φ50H7 Φ50h6	27 31.3	Φ70 Φ127	212.5 22.5	36 30	41 35	146 136	Φ200			
GKHB89	132 ^{-0.5} 257	Φ22 180	340 55	212 ^{-0.5} 75	180 233	230 70	305 4	120 67	Φ65H7 Φ65h6	32 25.9	Φ85 Φ159	260 30	41 40	46 45	170 161	Φ250			
GKHB99	160 ^{-0.5} 277	Φ26 240	417 75	265 ⁻¹ 60	240 295	290 75	372 4	150 82	Φ75H7 Φ75h6	36 32.3	Φ95 Φ174	294 30	55 50	60 55	206 195	Φ300			
GKHB109	200 ^{-0.5} 341	Φ33 280	503 95	315 ⁻¹ 100	270 360	340 95	448 3	175 90	Φ95H7 Φ95h6	40 52	Φ118 Φ234	380 40	65 60	75 70	245 230	Φ350			

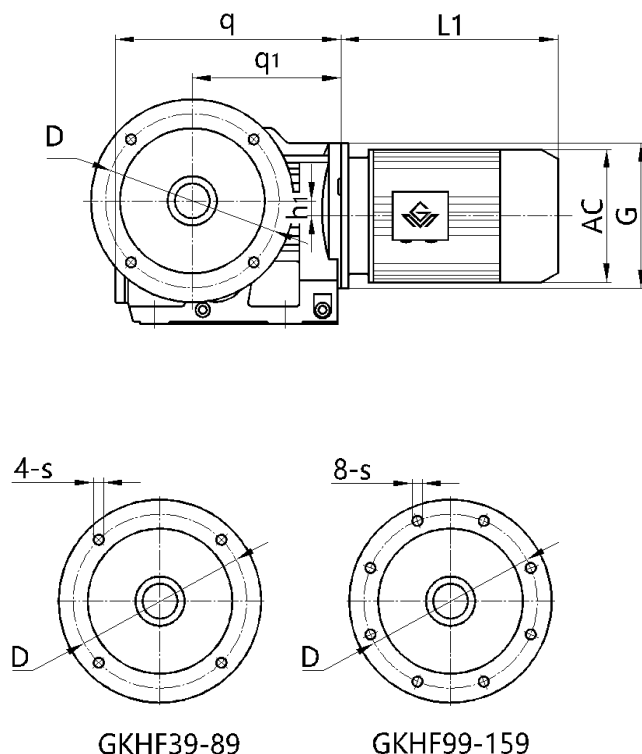
注： 1.减速机部分的外形尺寸，未包含通气帽的高度尺寸。通气帽的高度尺寸为 17。

2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

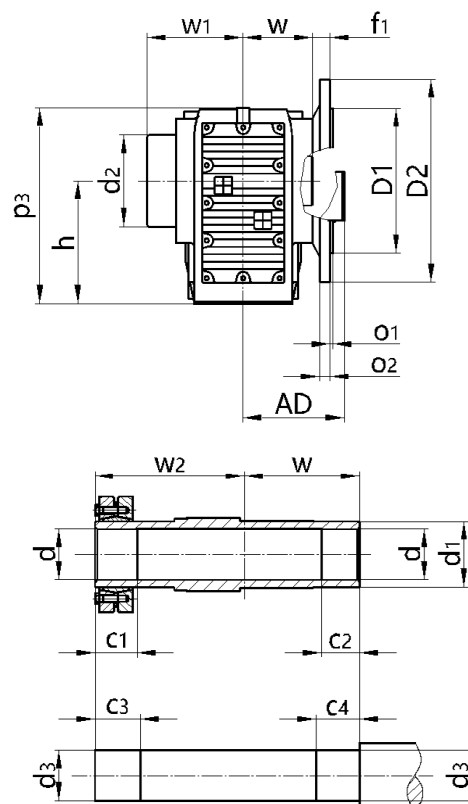
Note: 1.The dimensions don't include the height of the breathe valve.the height of the breathe valve is 17.

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

GKHF39-159
安装结构尺寸



GKHF39-159
Mounting Dimensional Description



机 型 号 Type Size	q q ₁	h h ₁	o ₁ o ₂	s f ₁	w ₁ w	w ₂ c ₁	c ₂ c ₃	c ₄ D	D1 D2	d ₁ d ₃	d d ₂	p ₃ G	电机尺寸 Motor Size		
													AC	AD	L1
GKHF39	210	100 ^{-0.5}	3.5	Φ9	95	86	20	25	Φ110j6	Φ45	Φ30H7	164	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	139	8.5	10	24	60	31	36	Φ130	Φ160	Φ30h6	Φ80	Φ120			
GKHF49	243	112 ^{-0.5}	3.5	Φ11	110	102	20	25	Φ130j6	Φ50	Φ35H7	185			
	166	7.2	12	25	75	32	37	Φ165	Φ200	Φ35h6	Φ88	Φ160			
GKHF59	270	132 ^{-0.5}	4	Φ13.5	120	112	20	25	Φ180j6	Φ55	Φ40H7	215			
	173	13.1	15	23.5	83	26	31	Φ215	Φ250	Φ40h6	Φ102	Φ160			
GKHF69	275	140 ^{-0.5}	4	Φ13.5	126	118	20	25	Φ180j6	Φ55	Φ40H7	226			
	179	20	15	23	90	38	43	Φ215	Φ250	Φ40h6	Φ102	Φ160			
GKHF79	313	180 ^{-0.5}	4	Φ13.5	146	136	30	35	Φ230j6	Φ70	Φ50H7	288			
	202	31.3	16	37	105	36	41	Φ265	Φ300	Φ50h6	Φ127	Φ200			
GKHF89	391	212 ^{-0.5}	5	Φ17.5	170	161	40	45	Φ250h6	Φ85	Φ65H7	338			
	257	25.9	18	30	120	41	46	Φ300	Φ350	Φ65h6	Φ159	Φ250			
GKHF99	435	265 ⁻¹	5	Φ17.5	206	195	50	55	Φ350h6	Φ95	Φ75H7	417			
	277	32.3	22	41.5	150	55	60	Φ400	Φ450	Φ75h6	Φ174	Φ300			
GKHF109	537	315 ⁻¹	5	Φ17.5	245	230	60	70	Φ350h6	Φ118	Φ95H7	500			
	341	52	22	41	175	65	75	Φ400	Φ450	Φ95h6	Φ234	Φ350			
GKHF129	615	375 ⁻¹	5	Φ17.5	296	280	70	80	Φ450h6	Φ135	Φ105H7	592			
	390	53	25	51	205	85	95	Φ500	Φ550	Φ105h6	Φ250	Φ450			
GKHF159	706	450 ⁻¹	6	Φ22	350	330	80	90	Φ550h6	Φ155	Φ125H7	705			
	426	71.7	28	60	250	90	100	Φ600	Φ660	Φ125h6	Φ287	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。

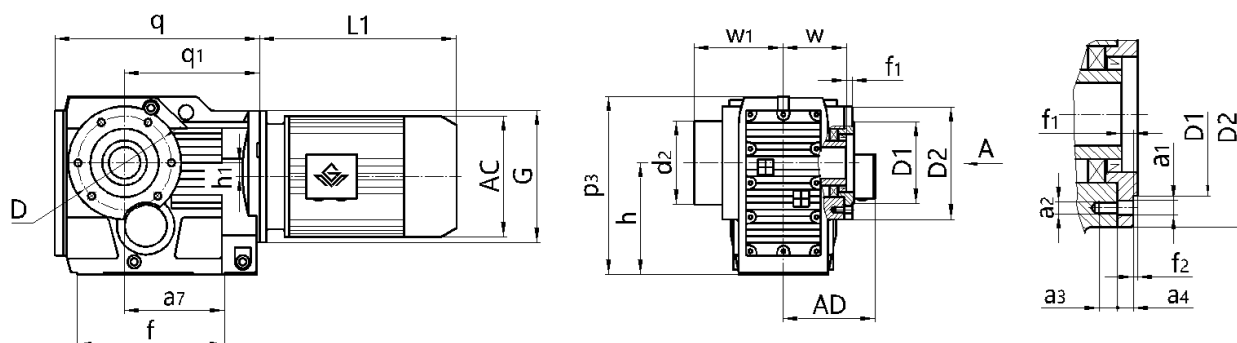
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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

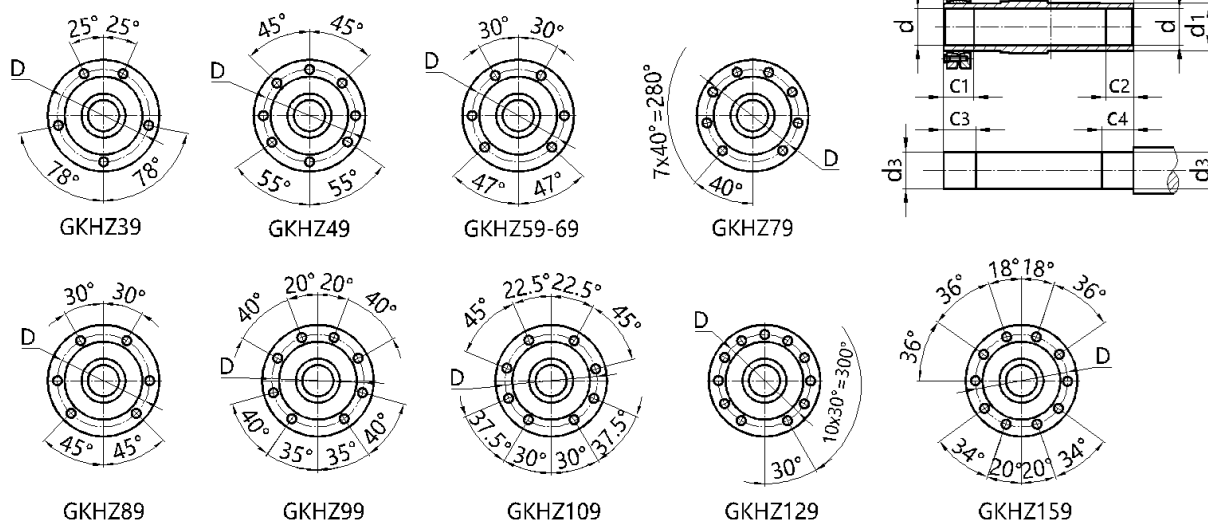
2.When equipping the user's motor or the special one, the flange is required to connected. (Please see appendix D)

GKHZ39-159
安装结构尺寸

GKHZ39-159
Mounting Dimensional Description



A向法兰安装结构尺寸 (Fig.A Mounting Dimension)



机 型 号 Type Size	q q ₁	D1 D2	h h ₁	p ₃ a ₇	f f ₁	w w ₁	G w ₂	d ₂ d ₁	d d ₃	c ₁ c ₂	c ₃ c ₄	a ₃ a ₄	f ₂ a ₂	a ₁ D	电机尺寸 Motor Size		
															AC	AD	L1
GKHZ39	210	Φ80j6	100 ^{-0.5}	164	147	60	Φ120	Φ80	Φ30H7	31	36	12	3	Φ9	见附录 A-2 和 A-3 Please see appendix A-2 and A-3		
	139	Φ110	8.5	97	9	95	86	Φ45	Φ30h6	20	25	11.5	M8	Φ94			
GKHZ49	243	Φ80j6	112 ^{-0.5}	185	170	75	Φ160	Φ88	Φ35H7	32	37	12	3	Φ9			
	166	Φ120	7.2	115	8	110	102	Φ50	Φ35h6	20	25	11	M8	Φ102			
GKHZ59	270	Φ105j6	132 ^{-0.5}	215	182	83	Φ160	Φ102	Φ40H7	26	31	20	3.5	Φ13.5			
	173	Φ155	13.1	120	9	120	112	Φ55	Φ40h6	20	25	12	M12	Φ125			
GKHZ69	275	Φ105j6	140 ^{-0.5}	226	182	90	Φ160	Φ102	Φ40H7	38	43	20	3.5	Φ13.5			
	179	Φ155	20	125	8.5	126	118	Φ55	Φ40h6	20	25	12	M12	Φ125			
GKHZ79	313	Φ125j6	180 ^{-0.5}	286	204	105	Φ200	Φ127	Φ50H7	36	41	23	3.5	Φ13.5			
	202	Φ170	31.3	139	10	146	136	Φ70	Φ50h6	30	35	14	M12	Φ142			
GKHZ89	391	Φ155j6	212 ^{-0.5}	338	280	120	Φ250	Φ159	Φ65H7	41	46	30	4	Φ17.5			
	257	Φ215	25.9	190	11	170	161	Φ85	Φ65h6	40	45	15	M16	Φ178			
GKHZ99	435	Φ180j6	265 ⁻¹	417	298	150	Φ300	Φ174	Φ75H7	55	60	28	4	Φ17.5			
	277	Φ260	32.3	190	14	206	195	Φ95	Φ75h6	50	55	18	M16	Φ220			
GKHZ109	537	Φ210j6	315 ⁻¹	500	370	175	Φ350	Φ234	Φ95H7	65	75	32	4	Φ22			
	341	Φ304	52	230	-8	245	230	Φ118	Φ95h6	60	70	22	M20	Φ260			
GKHZ129	615	Φ250h6	375 ⁻¹	592	440	205	Φ450	Φ250	Φ105H7	85	95	36	5	Φ22			
	390	Φ350	53	275	0	296	280	Φ135	Φ105h6	70	80	30	M20	Φ300			
GKHZ159	706	Φ290h6	450 ⁻¹	705	480	250	Φ550	Φ287	Φ125H7	90	100	42	5	Φ26			
	426	Φ400	71.7	290	-14	350	330	Φ155	Φ125h6	80	90	28	M24	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。

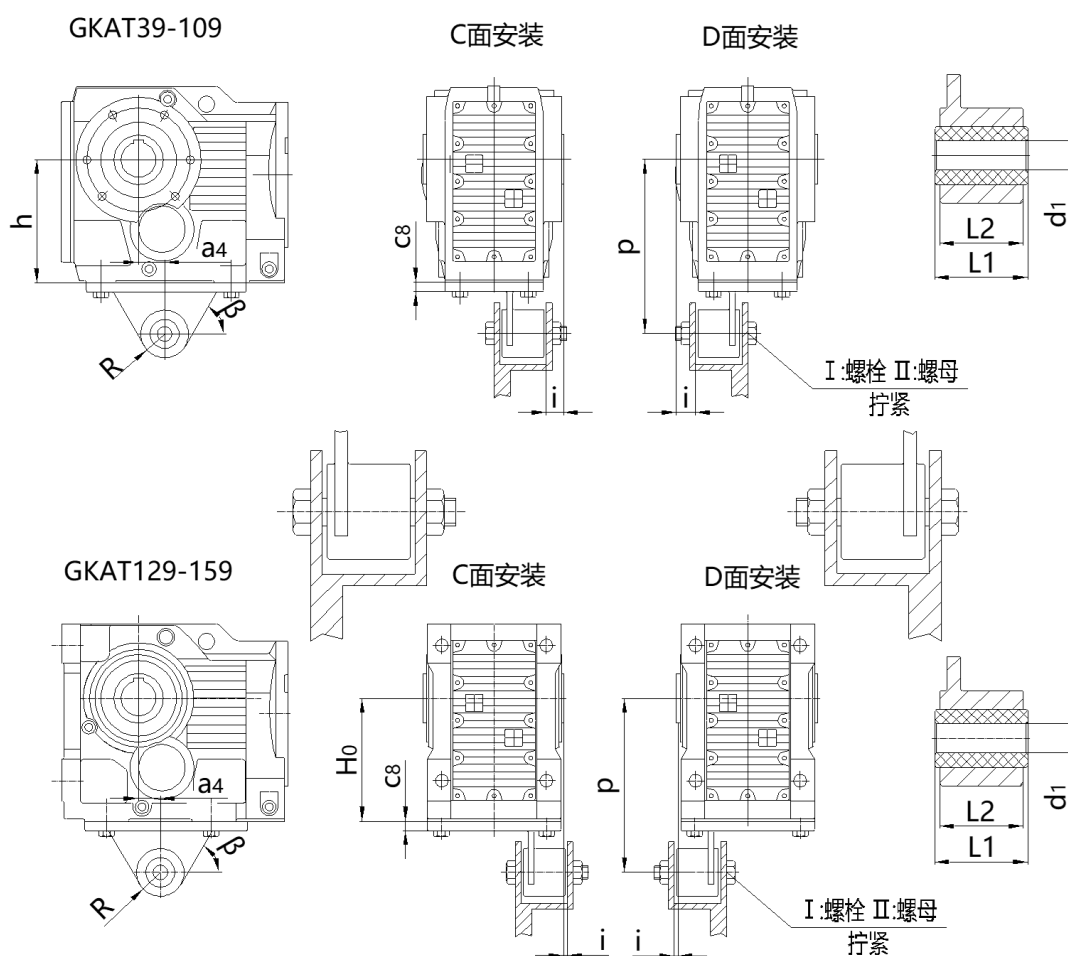
2.电机需方配或配特殊电机时需加联接法兰（见附录 D）

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)

GKAT39-159
安装结构尺寸

GKAT39-159
Mounting Dimensional Description



机型号 Type Size	a_4	β	c_8	i	P	R	h	d_1	$L1_{-0.3}^0$	$L2$
GKAT39	23.5	60°	10	20	$140_{-0.7}^{+0.2}$	22.5	$100_{-0.5}$	$10.4_{-0.1}^{+0.1}$	36	31
GKAT49	30	55°	12	20	$160_{-0.7}^{+0.2}$	22.5	$112_{-0.5}$	$10.4_{-0.1}^{+0.1}$	36	31
GKAT59	40	55°	13	18	$192_{-0.7}^{+0.2}$	29	$132_{-0.5}$	$16.4_{-0.08}^{+0.08}$	60	54
GKAT69	45	55°	13	25	$200_{-0.7}^{+0.2}$	29	$140_{-0.5}$	$16.4_{-0.08}^{+0.08}$	60	54
GKAT79	52.5	64°	14	25	$250_{-0.7}^{+0.2}$	29	$180_{-0.5}$	$16.4_{-0.08}^{+0.08}$	60	54
GKAT89	60	60°	16	30	$300_{-0.7}^{+0.2}$	41	$212_{-0.5}$	$25_{-0.08}^{+0.08}$	80	72
GKAT99	70	50°	17	40	$350_{-1.2}^{+0.2}$	41	265_{-1}	$25_{-0.08}^{+0.08}$	100	92
GKAT109	74	55°	20	45	$450_{-1.5}^{+0.5}$	41	315_{-1}	$25_{-0.08}^{+0.08}$	100	92
GKAT129	60	65°	45	7	$550_{-1.5}^{+0.5}$	70	375_{-1}	$40_{-0.08}^{+0.08}$	126	110
GKAT159	50	70°	45	2	$700_{-1.5}^{+0.5}$	70	450_{-1}	$40_{-0.08}^{+0.08}$	126	110

其它尺寸请按照 GKA 型。

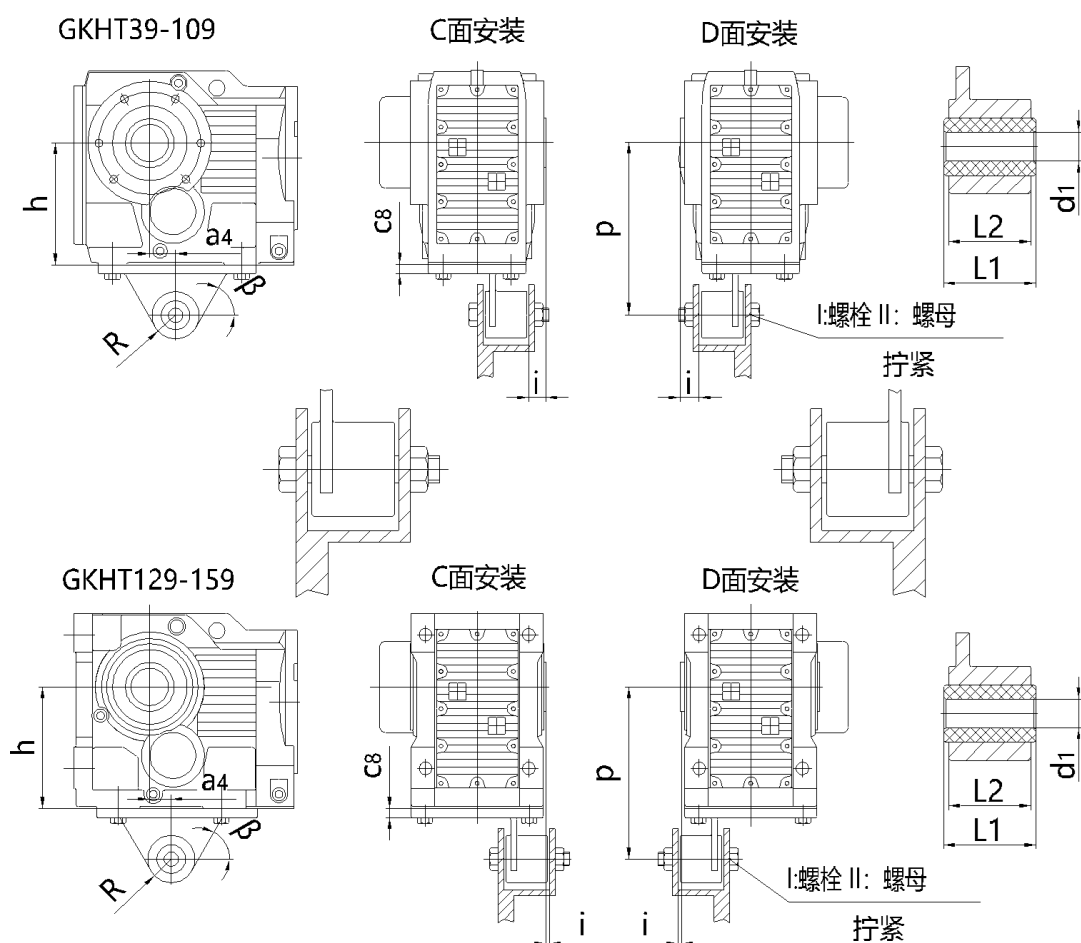
注：I：螺栓 II：螺母，均用户自配。

For other dimensions, see the type GKA.

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

GKHT39-159
安装结构尺寸

GKHT39-159
Mounting Dimensional Description



机型号 Type Size	a_4	β	c_8	i	P	R	h	d_1	$L1_{-0.3}^0$	$L2$
GKHT39	23.5	60°	10	20	$140_{-0.7}^{+0.2}$	22.5	$100_{-0.5}$	$10.4_{-0.1}^{+0.1}$	36	31
GKHT49	30	55°	12	20	$160_{-0.7}^{+0.2}$	22.5	$112_{-0.5}$	$10.4_{-0.1}^{+0.1}$	36	31
GKHT59	40	55°	13	18	$192_{-0.7}^{+0.2}$	29	$132_{-0.5}$	$16.4_{-0.08}^{+0.08}$	60	54
GKHT69	45	55°	13	25	$200_{-0.7}^{+0.2}$	29	$140_{-0.5}$	$16.4_{-0.08}^{+0.08}$	60	54
GKHT79	52.5	64°	14	25	$250_{-0.7}^{+0.2}$	29	$180_{-0.5}$	$16.4_{-0.08}^{+0.08}$	60	54
GKHT89	60	60°	16	30	$300_{-0.7}^{+0.2}$	41	$212_{-0.5}$	$25_{-0.08}^{+0.08}$	80	72
GKHT99	70	50°	17	40	$350_{-1.2}^{+0.2}$	41	265_{-1}	$25_{-0.08}^{+0.08}$	100	92
GKHT109	74	55°	20	45	$450_{-1.5}^{+0.5}$	41	315_{-1}	$25_{-0.08}^{+0.08}$	100	92
GKHT129	60	65°	45	7	$550_{-1.5}^{+0.5}$	70	375_{-1}	$40_{-0.08}^{+0.08}$	126	110
GKHT159	50	70°	45	2	$700_{-1.5}^{+0.5}$	70	450_{-1}	$40_{-0.08}^{+0.08}$	126	110

其它尺寸请按照 GKHT 型。

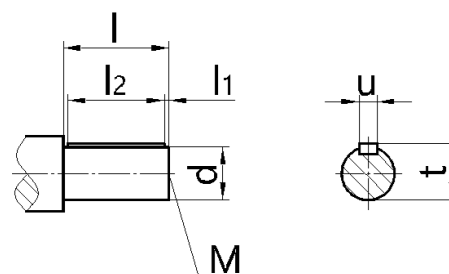
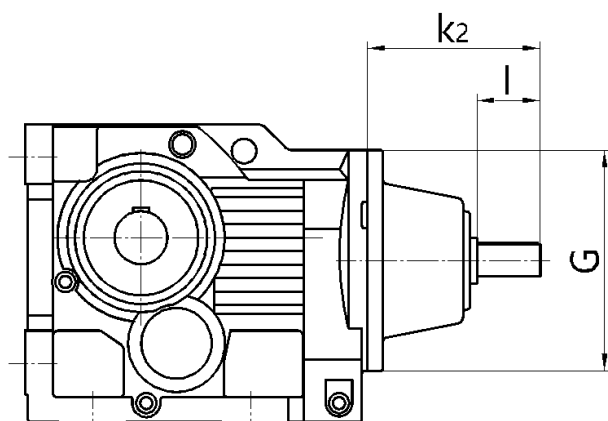
注：I：螺栓 II：螺母，均用户自配。

For other dimensions, see the type GKHT.

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

GK..39-189AD1-8
安装结构尺寸

GK..39-189AD1-8
Mounting Dimensional Description



机 型 号 Type Size	规 格 Specification	适用功率范围(kW)/4P Range Power	d	G	k ₂	l	M	l ₁	l ₂	t	u
GK..39	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..49	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..59/69	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..79	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..89	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..99	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..109	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..129	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
GK..159/169/189	AD8	75-90	70m6	Φ450	383	140	M20	15	110	74.5	20
	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。

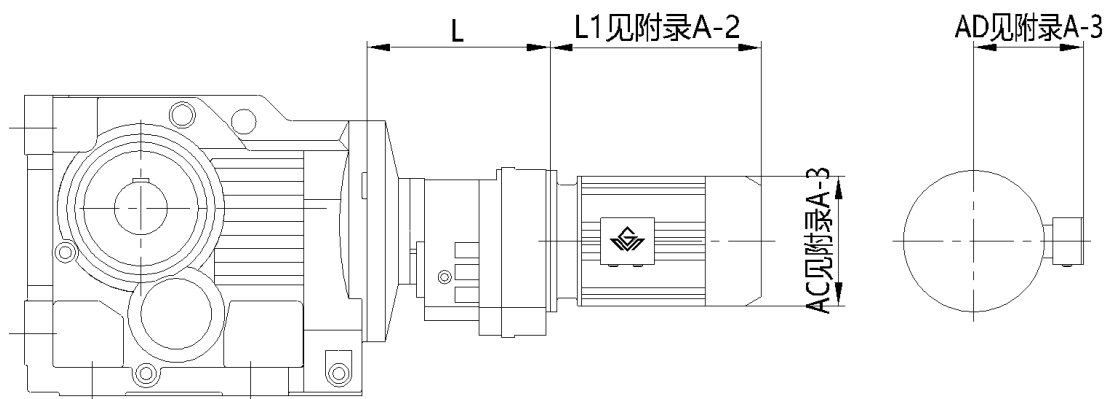
For other dimensions, see the type GK.

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.

GK..R..
安装结构尺寸

GK..R..
Mounting Dimensional Description

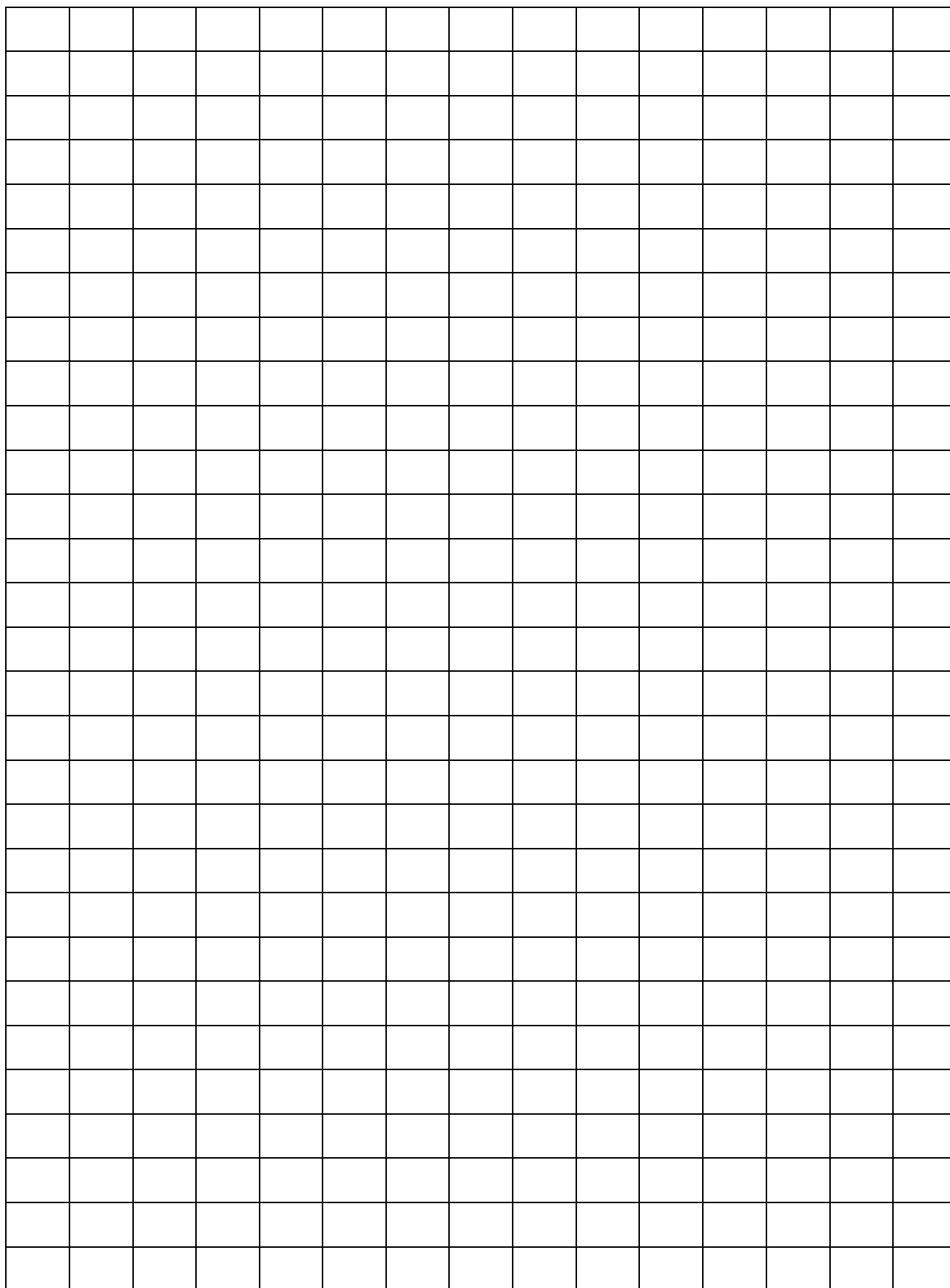


机 型 号 Type Size	机 座 号 Frame Size	L
GK..39R19	63	135
	71	
	80	
GK..49R39 GK..69R39	63	163
	71	
	80	
GK..59R39	63	163
	71	
	80	
GK..79R39	63	163
	71	
	80	
GK..89R59	63	216
	71	
	80	
GK..99R59	63	216
	71	
	80	
GK..109R79	63	251
	71	
	80	
GK..109R79	90	251
	100	
	112	
GK..109R79	132	251
	160	
	160	

机 型 号 Type Size	机 座 号 Frame Size	L
GK..129R79	63	241
	71	
	80	
	90	
	100	
	112	
GK..129R89	132	280
	160	
	90	
	100	
	112	
	132	
GK..159R99 GK..169R99 GK..189R99	160	332
	180	
	200	
	100	
	112	
	132	
GK..159R109 GK..169R109 GK..189R109	160	382
	180	
	200	
	225	
	100	
	112	

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.



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	堵转转矩 Blocked torque	最大转矩 Max 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*	额定电流 Rated current	额定转矩 Rated torque	额定转矩 Rated torque			
同步转速 3000r/min 2 极 Synchronous Speed 3000r/min 2P											
631-2	0.18	2720	0.53	65.0	0.80	5.5	2.2	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	7.0	2.2	2.3	0.00075	16	
802-2	1.1		2.55	77.0	0.84				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			2.0	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	0.055					147	
180M-2	22	2940	41.28	90.5	0.90					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		0.597	544				
280M-2	90		160.27	93.8		0.675	620				
315S-2	110	2980	195.46	94.0		0.91	7.1	2.2	1.18	980	
315M-2	132		233.3	94.5	1.82				1080		
315L1-2	160		279.44	94.6	2.08	1160					
315L2-2	200		347.83	94.8	2.41	1190					
355M-2	250		432.5	95.3	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	堵转转矩 Blocked torque	最大转矩 Max 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*	额定电流 Rated current	额定转矩 Rated torque	额定转矩 Rated torque			
同步转速 1500r/min 4 极 Synchronous 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		0.77	6.0	2.3	2.3	0.0018	17
802-4	0.75		2.03	73.0	0.77					6.0	0.0021
90S-4	1.1	1400	2.82	75.0		0.79	7.0				2.3
90L-4	1.5		3.7	78.0	0.79					0.0027	
100L1-4	2.2	1430	5.16	80.0	0.81	7.0		2.3	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			0.83		7.2	2.2	0.0095
132S-4	5.5		11.7	85.0	0.83						0.0214
132M-4	7.5		15.6	87.0	0.84	0.0296		81			
160M-4	11	1460	22.35	88.0	0.85	7.5	2.2	2.3			0.0747
160L-4	15		30.14	89.0					0.0918	144	
180M-4	18.5	1470	36.47	90.5	0.86	7.2			2.2	0.139	182
180L-4	22		43.14	91.0						0.158	190
200L-4	30	1480	57.63	92.0	0.87		7.2	2.2		0.262	270
225S-4	37		69.89	92.5						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	1490	139.7	93.8	0.88	6.9	2.1	2.2	1.12	562	
280M-4	90		166.93	94.2					1.46	667	
315S-4	110		201.06	94.5					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	1490	442.12	95.3	0.90	6.9	2.1	2.2	5.67	1700	
355L-4	315		555.32	95.6					6.66	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	堵转转矩 Blocked torque	最大转矩 Max 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*	额定电流 Rated current	额定转矩 Rated torque	额定转矩 Rated torque		
同步转速 1000r/min 6 极 Synchronous 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		2.1	0.00158	17
802-6	0.55		1.79	65.0	0.72		0.0021		19	
90S-6	0.75	910	2.26	69.0		0.73	5.5	2.0	0.0029	23
90L-6	1.1		3.14	72.0	0.0035				25	
100L-6	1.5	940	3.95	76.0	0.75	6.5	2.0	2.1	0.0069	33
112M-6	2.2		5.57	79.0	0.76				0.0138	45
132S-6	3.0	960	7.41	81.0		0.77	2.1	2.1	0.0286	63
132M1-6	4.0		9.64	82.0	0.0357				73	
132M2-6	5.5	970	12.93	84.0	0.78	2.0	2.1	0.0449	84	
160M-6	7.5		17.0	86.0				0.0881	119	
160L-6	11	970	24.23	87.5	0.78	7.0	2.0	0.116	147	
180L-6	15		31.63	89.0	0.81			0.207	195	
200L1-6	18.5	970	38.1	90.0		0.83	2.1	2.1	0.315	220
200L2-6	22		44.52	90.0	0.360				250	
225M-6	30	980	58.63	91.5	0.84	7.0	2.0	0.547	292	
250M-6	37		71.08	92.0	0.86		0.834	408		
280S-6	45	980	85.98	92.5		0.86	2.1	2.0	1.39	536
280M-6	55		104.75	92.8	1.65				595	
315S-6	75	990	141.77	93.5	0.87	6.7	1.9	4.11	990	
315M-6	90		169.58	93.8				4.28	1080	
315L1-6	110	990	206.83	94.0	0.88	6.7	1.9	5.45	1150	
315L2-6	132		244.82	94.2				6.12	1210	
355M1-6	160	990	291.52	94.5	0.88	6.7	1.9	8.85	1600	
355M2-6	200		363.64	94.7				9.55	1700	
355L-6	250		453.60	94.9				10.63	1800	

附录 A-1
Appendix A-1

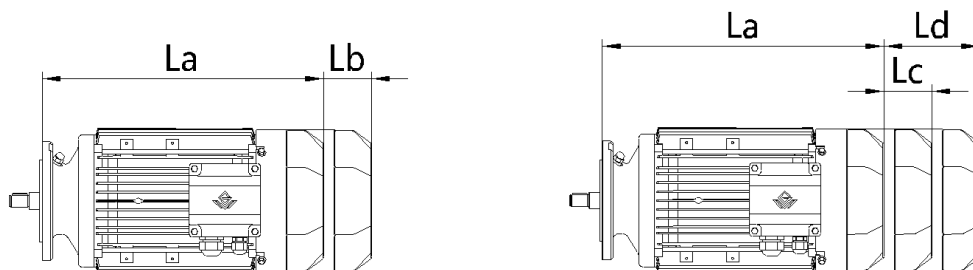
机座号 Frame size	额定功率 Rated power/kW	满载时 Full load				堵转电流 Blocked current	堵转转矩 Blocked torque	最大转矩 Max torque	转动惯量 Moment of inertia /(kg.m²)	净重 Weight /kg*
		转速 Speed /(r/min)*	电流 Current /A*	效率 Eff /(%)	功率因数 Power factor*	额定电流 Rated current	额定转矩 Rated torque	额定转矩 Rated torque		
同步转速 750r/min 8 极 Synchronous 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		4.0			0.0021	19
90S-8	0.37	660	1.49	62.0					0.0029	23
90L-8	0.55		2.18	63.0	5.0		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	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		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		6.0	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	1.9		0.203	184
200L-8	15		34.09	88.0				0.339	250	
225S-8	18.5		40.58	90.0				0.78	1.9	0.491
225M-8	22	740	47.37	90.5	0.547	292				
250M-8	30		63.43	91.0	0.79	1.9	0.834			405
280S-8	37		76.83	91.5			1.39	520		
280M-8	45		92.93	92.0			1.8	1.65	592	
315S-8	55		112.97	92.8	0.81	1.8		4.79	1000	
315M-8	75		151.33	93.0				6.4	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 Synchronous 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	6.0	1.3		7.15	1115
355M1-10	110		230	93.2	0.78				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...19/29/39		257	270	310	333	368	399													
GR...49/59/GRX...59/69		257	264	304	327	362	391	441	447	482										
GR...79/GRX...79		258	258	298	319	354	383	432	435	470	551	595								
GR...89/GRX...89				293	315	350	379	427	430	465	546	590	631	669						
GR...99/GRX...99				284	307	342	373	422	425	460	541	585	626	664	713					
GR...109/GRX...109							367	416	419	454	535	579	620	658	707	721	746			
GR...139/GRX...139								412	447	528	572	613	651	700	714	734	816			
GR...149										520	564	605	643	692	706	731	808	879	930	
GR...169/179										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...39/49/59		257	270	310	333	368	399													
GS...69		257	264	304	327	362	391	441	447	482										
GS...79		258	258	298	319	354	383	432	435	470	551	595								
GS...89				293	315	350	379	427	430	465	546	590	631	669						
GS...99				284	307	342	373	422	425	460	541	585	626	664	713					
GS...109							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...39		257	270	310	333	368	399													
GK...49/59/69		257	264	304	327	362	391	441	447	482										
GK...79		258	258	298	319	354	383	432	435	470	551	595								
GK...89				293	315	350	379	427	430	465	546	590	631	669						
GK...99				284	307	342	373	422	425	460	541	585	626	664	713					
GK...109							367	416	419	454	535	579	620	658	707	721	746			
GK...129								404	439	520	564	605	643	692	706	731	808	879	930	
GK...159/169/189										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...39/49		257	270	310	333	368	399													
GF...59/69		257	264	304	327	362	391	441	447	482										
GF...79		258	258	298	319	354	383	432	435	470	551	595								
GF...89				293	315	350	379	427	430	465	546	590	631	669						
GF...99				284	307	342	373	422	425	460	541	585	626	664	713					
GF...109							367	416	419	454	535	579	620	658	707	721	746			
GF...129								404	439	520	564	605	643	692	706	731	808	879	930	
GF...159										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。

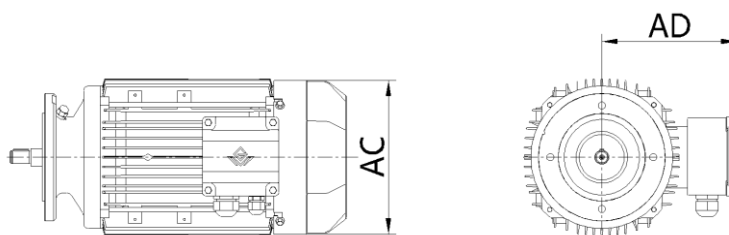
Note: La size are shown in the above table.

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。

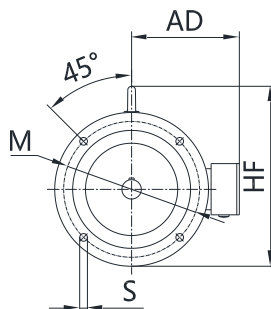
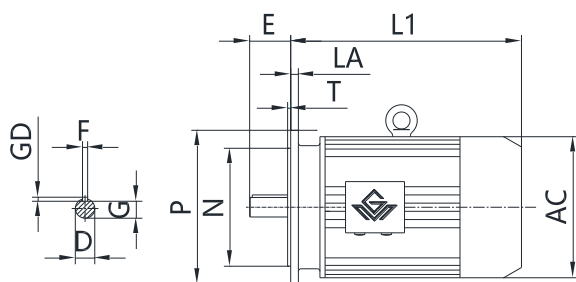
Note: The above size just apply to common directly motor, variable frequency directly motor, brake directly motor, variable frequency brake directly motor.

注：所有直联型电机的重量参考 IEC 标准电机重量。

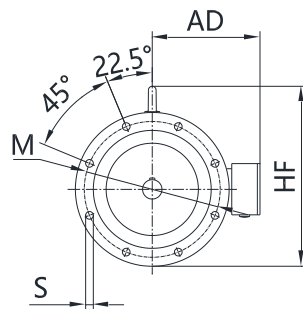
Note: The weight of all direct connection motors refer to the weight of IEC standard ordinary motors.

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		3.5	145	80	10	145	225	M8×25	
80M	19		40		6×6		15.5		165	130	200	12		175	145	12	185	255	M10×30	
90S	24	50	8×7	20	24	215	180	250					15						4	215
90L									195	155	12	195		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	19	5	275	210	14	315	390	M12×35					
132M															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								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
280M					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..59	GRX..69	GRX..79	GRX..89	GRX..99	GRX..109	GRX..139							
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..19	GR..29	GR..39	GR..49	GR..59	GR..69	GR..79	GR..89	GR..99	GR..109	GR..139	GR..149	GR..169	GR..179
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..39	GS..49	GS..59	GS..69	GS..79	GS..89	GS..99	GS..109						
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..39	GK..49	GK..59	GK..69	GK..79	GK..89	GK..99	GK..109	GK..129	GK..159	GK..169	GK..189		
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

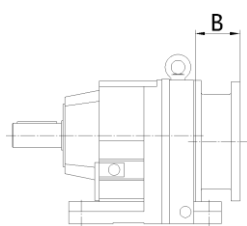
机型号 Type size	GF..39	GF..49	GF..59	GF..69	GF..79	GF..89	GF..99	GF..109	GF..129	GF..159				
最大输出转矩 Max.output torque(N.m)	200	400	600	820	1550	2700	4300	8000	13000	18000				

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_o 乘以使用系数 f_o 求得。瞬间过载能力可达最大转矩的 1.8 倍。

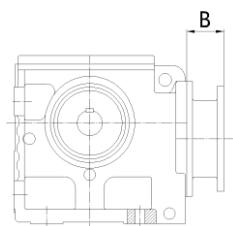
Note: List date is gearmotor's max. output torque. In fact the torque see selection table, the value equal the rate torque and service factor product. On request, please contact us.

附录 D

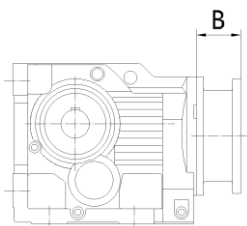
Appendix D



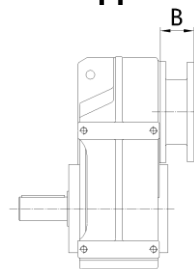
GR 系列 GR Series



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...19/29/39		50	70.5	99.5	99.5	119									
GR...49/59/69/GRX...59/69		44.5	65	94	94	111	111	150							
GR...79/GRX...79		36.5	59	88	88	103	103	138	179						
GR...89/GRX...89				83	83	99	99	133	174	174					
GR...99/GRX...99				73.5	73.5	93	93	128	169	169	165.5				
GR...109/GRX...109						87	87	122	163	163	159.5	193			
GR...139/GRX...139								115	156	156	152.5	186	185		
GR...149									148	148	144.5	178	177	189	
GR...169/179									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...39/49/59		50	70.5	99.5	99.5	119									
GS...69		44.5	65	94	94	111	111	150							
GS...79		36.5	59	88	88	103	103	138	179						
GS...89				83	83	99	99	133	174	174					
GS...99				73.5	73.5	93	93	128	169	169					
GS...109						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...39		50	70.5	99.5	99.5	119									
GK...49/59/69		44.5	65	94	94	111	111	150							
GK...79		36.5	59	88	88	103	103	138	179						
GK...89				83	83	99	99	133	174	174					
GK...99					73.5	93	93	128	169	169	165.5				
GK...109						87	87	122	163	163	159.5	193			
GK...129								107	148	148	144.5	178	177	189	
GK...159/169									140	140	136.5	170	166	178	253
GK...189									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...39/49		50	70.5	99.5	99.5	119									
GF...59/69		44.5	65	94	94	111	111	150							
GF...79		36.5	59	88	88	103	103	138	179						
GF...89				83	83	99	99	133	174	174					
GF...99					73.5	93	93	128	169	169	165.5				
GF...109						87	87	122	163	163	159.5	193			
GF...129								107	148	148	144.5	178	177	189	
GF...159									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 E

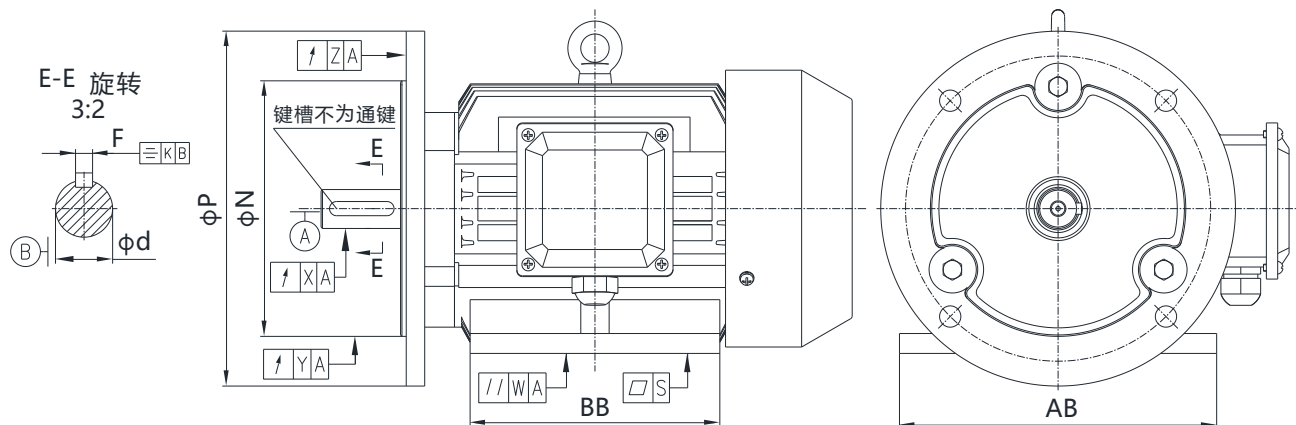
IEC 电动机形位公差要求

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.

Appendix E

IEC motor shape and position 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	
14	0.030
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 Frame size	平行度公差 (W) 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 Maximum dimension in AB or BB	平面度公差 (S) Flatness tolerance (S)
> 100 ~ 160	0.12
> 160 ~ 250	0.15
> 250 ~ 400	0.20
> 400 ~ 630	0.25
> 630 ~ 1000	0.30