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## 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:**齿轮减速机效率可达95%,蜗轮效率可达89%。
- 8、可承受较大的径向载荷。**
- 9、可承受不大于径向力5%的轴向载荷。**

## 场所条件

本减速机适合在环境温度-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。

## 选型参数表释义

### 1、选型参数表(恒功率):

电机功率 Pm[kW]:表中列出的功率是按 Y<sub>2</sub> 系列电机分级的。

## Features of Products

- 1.Highly Standard Modular Designed:** The products are easily 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 range 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 grinding to sequentially get high loading capacity of per certain volume.
- 5.Long Service Life:** Under the condition 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.High Efficiency:** The efficiency of gear unit can reach 95%, The efficiency of worm gear unit can reach 89%.
- 8.Large radial loading ability:**
- 9.Axial load ability of up to 5% of radial load.**

## 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 the sea lever.

They can be used both for clockwise running and anti-clockwise running.

There is no limitation to specific application field.

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

## Description of Selection Tables

### 1.Selection Table [ Constant Power ]:

Motor Power Pm[ kW ]: Power is indicated on the basis of Y<sub>2</sub> motor.

**输出转速  $n_a$ [r/min]:**即输出轴的转速。参考 Y<sub>2</sub> 系列电动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  $M_a$  [Nm]:**电动机满载时输出轴上可以产生的转矩。此输出转矩已考虑了减速机内部各种效率。

**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]:**输出轴轴头中点处的许用径向载荷(载荷作用点在轴端处时,表中  $F_{ra}$  应乘以 0.4)。工作元件的实际径向载荷  $F_r$  与实际工况系数  $f_A$  的乘积不得大于此值,即  $F_{ra} \geq f_A * F_r$  ( $f_A$  值可参照  $f_b$  处说明)。

一般工作元件的  $F_r$  值可由下式求出:

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

其中: $M_r$ —工作元件的工作扭矩(Nm)

$r$ —工作元件节圆半径(m)

$f_r$ —径向载荷系数。可参考如下取值。

单排链轮  $f_r=1$

一个齿轮或双排链轮  $f_r=1.25$

V 型带  $f_r=1.5$

平型带  $f_r=2.5$

**使用系数  $f_b$ :**减速机额定功率与所配用的电动机额定功率的比值。它是选择减速器规格的强度依据。

**机型号:**即减速机的机型和规格号。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。其结构尺寸可查阅相应的结构尺寸图表。

**电机极数:**Y<sub>2</sub> 系列电动机极数。

**质量[kg]:**减速机的总净重,不包括电机。此质量只作一般性参考使用。

## 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。

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

**Ratio [ i ]:** Exact final total transmission ratio from input to output

**Permissible Radial Load  $F_{ra}$ [ kN ]:** Permissible radial load on the middle point of overhung shaft (  $F_{ra}$  value listed in the table must be multiplied by 0.4, if load is placed on the end point of the shaft ). The mathematic product of actual radial load  $F_r$  and actual service factor  $f_A$  should not be bigger than this  $F_{ra}$ , i.e.  $F_{ra} \geq f_A * F_r$  (for  $f_A$ , please see the description of  $f_b$  ).

Normally,  $F_r$  of a working unit can be got through the following:

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

where,  $M_r$  - working torque of the working unit (Nm)

$r$  - 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

**Service Factor  $f_b$ :** The ratio of rated power of gear unit to rated power of motor power. It is essential data to select the size and strength of gear unit.

**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 Y<sub>2</sub> motor.

**Mass (Weight) [kg]:** Net weight of geared unit, without the motor. This weight is only for your general reference.

## 2、Selection Table ( Constant Torque):

Constant torque selection table is suitable for the conditions where the constant torque system is applied appropriately. If the Max. torque listed in this table is used when calculating, service factor is 1.0. The meanings of other terms are similar to ones described in Selection Table (Constant Power).

## 选型步骤

### 1、机型的选用

一般由用户根据传动安装布置形式来确定。即 WR、WF 系列用于输入轴与输出轴平行的场合,WS、WK 系列用于输入轴与输出轴垂直的场合。

### 2、实际工况系数 $f_A$ 的确定

#### 1)、一般使用要求

$f_A$  主要由工作机的载荷特性、工作时间和起停次数决定。即:

$$f_A = f_{Ah} * f_{Ac}$$

式中  $f_{Ah}$  由载荷特性和工作时间两个因素决定的工况系数。常用工作机的  $f_{Ah}$  可参考表工况系数  $f_{Ah}$  选定。其它工作机的工况系数,可用类比法确定。

式中  $f_{Ac}$  由启、停次数决定。可参考表工况系数  $f_{Ac}$  确定。

注意:启、停要各计一次。

#### 2)、特殊使用要求

若环境温度特别高,要考虑增加温度工况系数  $f_{At}$ 。可参考表工况系数  $f_{At}$  确定。

若要减速机具有特别高的可靠性,则要增加必要的安全系数  $f_{As}$ 。

数值不能确定时,请与我公司技术部联系。

### 3、型号(规格)的确定

必须满足条件  $f_b \geq f_A$

#### 1)、恒功率选型

##### (1)电动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)中找到相应的电动机功率、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  $f_b \geq f_A$ ,则就是可用机型。否则,加大机型,直到满足条件。

## Selection Steps

### 1、Type Selection

Types of units are normally selected by customers to meet transmission mounting arrangement requirement. Series WR and series WF are applied to the conditions that input shafts are parallel to output shafts. And, series WS and series WK are applied to the conditions that input shafts are vertical to output shafts.

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

#### 1)、Normal requirement

$f_A$  is determined by load feature, operating hours, and starts and stops number per hour of working unit. The normal total combined service factor is calculated as follows:

$$f_A = f_{Ah} * f_{Ac}$$

Where:  $f_{Ah}$ -the factor determined by load feature and operating hours of per day. See the table of  $f_{Ah}$ . The other working unit's  $f_{Ah}$  out of the table could be determined by analogy.

$f_{Ac}$ -the factor determined by number of starts and stop per hour of working unit.

Attention: the number should be counted even start or stop.

#### 2)、Special requirement

If the ambient temperature is special high, the temperature factor  $f_{At}$  should be considered. refer to the factor  $f_{At}$  column of selection table.

If requiring higher reliability, the security factor  $f_{As}$  should be considered.

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

### 3、Selection of Type (Size)

It is essential to meet following:  $f_b \geq f_A$

#### 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 ratio, and record 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)电动机与减速机之间具有前置减速连接**

如电动机与减速机之间通过齿轮、皮带、链轮等减速装置连接,由于输入转矩的增加,须把电动机功率折算到减速机输入轴上,即把电动机的功率乘以前置减速装置的传动比。用折算的功率,按前述(1)中的方法选取。此时,仍要注意电动机极数不变。

**2)、恒转矩选型**

按电动机功率、极数和传动比查选型参数表(恒转矩)。此时,工作转矩必须限制在所选的减速机的最大转矩范围内。

**4、径向载荷检验**

减速机轴头装有齿轮、皮带轮、链轮时,将产生较大的径向载荷。此时,必须进行径向载荷检验。方法见前述选型参数表释义中有关内容。

**5、安装条件检验**

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

若以上都能满足,则按各自的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 Y<sub>2</sub> 系列电动机供货按 IP54 防护等级, F 级绝缘,但一般应按 B 级绝缘条件使用。
- 2、不注明电动机接线盒位置时,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,一般不在减速机上作出标识。
- 4、减速机出厂时加好润滑油。
- 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一般不提供。

本样本中如有改进之处,不另作通知,请谅解。

**(2).The gear unit with prefixion 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. Attention: the unumber of motor pole is same.

**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 torque of gear unit selected.

**4、Radial Load Checking**

It will checking overhuang load, if the gears, belts and chains, etc, are fired on the shaft of the gear motors. For checking method, refer to the relevant contents in fore-named description of selection table.

**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: Y<sub>2</sub> motor of protection class IP54 and of insulation class F, while no special request. But this insulation class F motor is generally recommended to be used in the condition where the class B is required.
- 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<sub>Ah</sub>**

应用	8h/天	16h/天	24h/天
<b>食品工业</b>			
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
<b>辅助动力、伺服系统</b>			
微动装置,无载荷	0.8~1*		
普通载荷	1.25	1.25	1.25
<b>压缩机</b>			
离心式	1	1.25	1.5
轴流式	1	1.25	1.5
<b>过滤机</b>	1	1.25	1.5
<b>建筑业</b>			
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
<b>发电机</b>	0.8~1*	1	1.25
<b>水处理、环保</b>			
曝气机	1.75	2.0	2.0
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
<b>筛子</b>			
旋转式(石头,砂)	1	1.25	1.5
行进式吸水机	0.8~1*	1	1.25
<b>农用机械</b>			
施肥平土机	0.8~1*	1	
收割机	0.8~1*	1	
<b>起重机械</b>			
行走机构	1.5	1.75	2.0
回转机构	1.25	1.5	2.0
起升机构	1.25	1.5	1.75
转臂式起重机	1.25	1.5	1.75

**Service Factor f<sub>Ah</sub>**

Application	8 hours / day	16 hours /day	24 hours /day
<b>Food industry</b>			
Crushers	1.75	2	2.25
Beet slicers, kneaders	1.25	1.5	1.75
Meat grinders	1.25	1.5	1.5
Filling machines	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
Toasters	1.25	1.25	1.25
<b>Auxiliary drives, servicing</b>			
Inching, no load	0.8~1*		
Normal duty	1.25	1.25	1.25
<b>Compressors</b>			
Centrifugal	1	1.25	1.5
Lobe	1	1.25	1.5
<b>Filters</b>	1	1.25	1.5
<b>Construction industry</b>			
Cement mixers	1.25	1.5	1.75
Cement mills	1.5	1.75	2
Mortar spraying machine	0.8~1*	1	1.25
<b>Generators</b>	0.8~1*	1	1.25
<b>Water treatment, environment tools</b>			
Aerators	1.75	2.0	2.0
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
<b>Screens</b>			
Rotary (for stone, for gravel)	1	1.25	1.5
Traveling water intake	0.8~1*	1	1.25
<b>Agricultural machinery</b>			
Manure scrapers	0.8~1*	1	
Harvesting machines	0.8~1*	1	
<b>Cranes and hoists</b>			
Travel gears	1.5	1.75	2.0
Slewing gears	1.25	1.5	2.0
Hoisting gears	1.25	1.5	1.75
Derricking jib cranes	1.25	1.5	1.75

工况系数  $f_{Ah}$

<b>混合机</b>			
均匀密度	1.25	1.5	1.5
不均匀密度	1.5	1.75	1.75
<b>木材和塑料工业</b>			
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
<b>搅拌机</b>			
纯液体(均匀密度)	1.25	1.5	1.5
非均匀密度的液体	1.5	1.75	2.0
液体和固体	1.5	1.75	2.0
<b>磨机</b>			
球磨机,棒磨机	1.75	1.75	1.75
锤磨机,粉碎机	1.5	1.75	2
<b>印刷和制纸技术</b>			
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
<b>电梯</b>			
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
<b>纺织工业</b>			
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
<b>输送机</b>			
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
<b>刮板式输送机</b>	1.25	1.25	1.5
<b>风扇</b>			
离心式风扇	0.8~1*	1	1.25

Service Factor  $f_{Ah}$

<b>Mixers</b>			
Constant density	1.25	1.5	1.5
Variable density	1.5	1.75	1.75
<b>Lumber and plastic industry</b>			
Main drive for saws	1.5	1.75	2
Feed drive for saws	1	1.25	1.5
Chopping machines	1.5	1.75	2
Veneer gluing machines	0.8~1*	1	1.25
Drilling machines	0.8~1*	1	1.25
Extruders	1.25	1.5	1.75
<b>Agitators</b>			
Pure liquids (constant density)	1.25	1.5	1.5
Liquids with variable density	1.5	1.75	2.0
Liquids and solids	1.5	1.75	2.0
<b>Mills</b>			
Ball, rod	1.75	1.75	1.75
Hammer, desintegrator	1.5	1.75	2
<b>Printing and Paper techniques</b>			
Cutters	1	1.25	1.5
Reels	0.8~1*	1	1.25
Bale feeders	1	1.25	1.25
<b>Elevators</b>			
Bucket elevators	1.25	1.5	1.75
Freight elevators	1.25	1.5	1.75
Escalators	1.25	1.25	1.5
<b>Textile industry</b>			
Looms	1.25	1.5	1.75
Spinners	0.8~1*	1	1.25
Washers	1	1.25	1.5
<b>Conveyors</b>			
Bucket conveyors	1.5	1.75	1.75
Uniformly loaded or fed	0.8~1*	1	1.25
Heavy duty, chain & 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
<b>Apron conveyors</b>	1.25	1.25	1.5
<b>Fans</b>			
Centrifugal	0.8~1*	1	1.25

工况系数  $f_{Ah}$

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	2.0	2.0
<b>包装机械</b>			
纸板堆叠机械	1.25	1.5	1.75
打包机	0.8~1*	1	1.25
<b>机床设备</b>			
平面刨床,龙门刨床,弯转机	1.25	1.5	1.75
主动力,进给动力	1	1.25	1.5
进给和辅助动力	0.8~1*	1	1.25
压力机	1.75	2	2
折弯机	1.5	1.75	2
剪板机	1.75	2	2
<b>钢铁工业</b>			
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
<b>泵</b>			
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℃...	+20℃...	+30℃...	+40℃...	+50℃...
温度	+30℃	+40℃	+50℃	+60℃	
$f_{At}$	1	1.1	1.25	1.5	1.75

\*=0.8,假如运行时间少于3小时/天,并无径向载荷作用。

这些工况系数是基于 AGMA 和 ISO 的推荐以及我们的经验所得。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  $f_{Ah}$

Industrial fans	1	1.25	1.5
Cooling tower drivers	1.75	1.75	1.75
Cooling tower fans	1.75	2.0	2.0
<b>Packing machine</b>			
Cardboard stacking machine	1.25	1.5	1.75
Wrapping machine	0.8~1*	1	1.25
<b>Machine tools</b>			
Plate surfacers, plate planners, bending rolls	1.25	1.5	1.75
Main drives, feed drives	1	1.25	1.5
Feed and auxiliary drive	0.8~1*	1	1.25
Presses	1.75	2	2
Folding machines	1.5	1.75	2
Plate shears	1.75	2	2
<b>Iron and steel industry</b>			
Wire draw benches	1.25	1.5	1.75
Winding machines	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
<b>Pumps</b>			
Centrifugal	1	1.25	1.5
Rotary, gear type, lobe, vane	0.8~1*	1	1.25
Piston pumps: singl 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℃...	+20℃...	+30℃...	+40℃...	+50℃...
temperature	+30℃	+40℃	+50℃	+60℃	
$f_{At}$	1	1.1	1.25	1.5	1.75

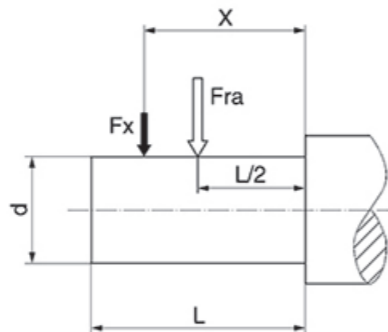
\*=0.8, if hours of operation<3 hours/24 hour and no radial overhung load is applied.

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.

### 径向力校核 Overhung loads

实际作用点不在齿轴中间时,需用下述公式对选型表中的许用径向力值进行计算

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



$$\begin{aligned} \text{当 } 0 \leq X < L/2 \text{ 时} & \quad F_x = [1.25 - (X/2L)] * F_{ra} & \quad [N] \\ \text{当 } X = L/2 \text{ 时} & \quad F_x = F_{ra} & \quad [N] \\ \text{当 } L/2 < X \leq L \text{ 时} & \quad F_x = [1.6 - (1.2X/L)] * F_{ra} & \quad [N] \end{aligned}$$

$F_{ra}$ —选型表中给出的许用载荷(作用在  $X=L/2$ )

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

$F_x$ —实际作用点的许用径向载荷

Approved overhung loads of formulae in the event of force application in [N]

$X$ —载荷到力作用点的距离

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

$L$ —输出轴轴伸长度

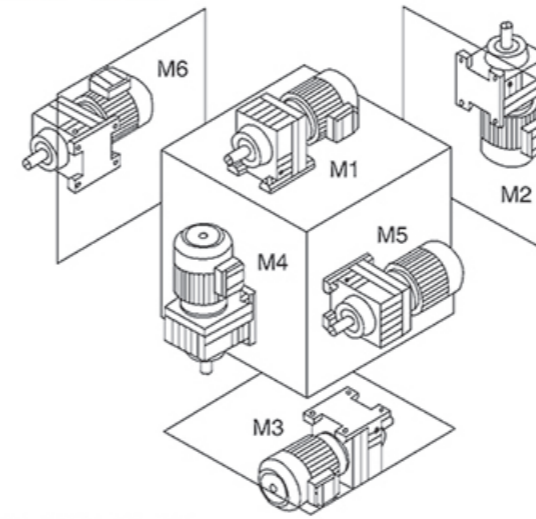
Length of output shaft in [mm]

工作元件的实际径向载荷  $F_r$  与实际工况系数  $f_A$  的乘积不得大于实际作用点的许用径向载荷  $F_x$ , 即

$F_x \geq f_A * F_r$  (见样本第 2 页)

The mathematic product of actual overhung loads  $F_r$  and actual service factor  $f_A$  should not be bigger than the approved overhung loads of formulae in the event of force application  $F_x$ , i.e.  $F_x \geq f_A * F_r$ . (Please see Page.2)

### 安装形式图例



各种安装形式定义为:

M1—电机水平放置;减速机底脚(WR、WRX型)或底部(WRF、WRXF型)朝下。

M2—电机居下。

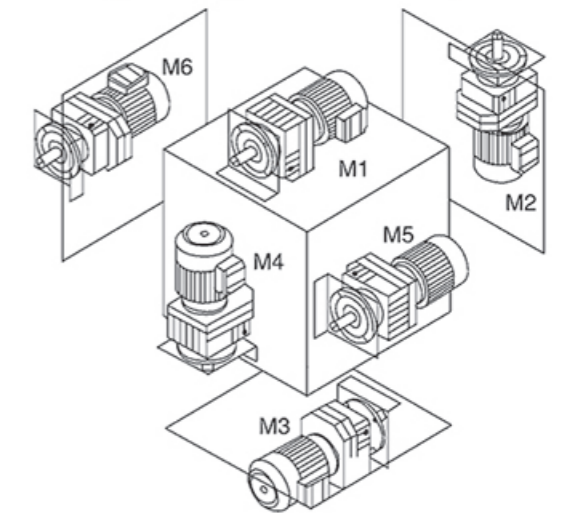
M3—电机水平放置;减速机底脚(WR、WRX型)或底部(WRF、WRXF型)朝上。

M4—电机居上。

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

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

### Mounting Arrangements Description



Different kinds of mounting arrangements are defined as following:

M1—horizontally mounted motor, unit foot (for WR、WRX) or unit base (for WRF、WRXF) is at bottom.

M2—motor is vertically mounted downwards.

M3—horizontally mounted motor, unit foot (for WR、WRX) or unit base (for WRF、WRXF) 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

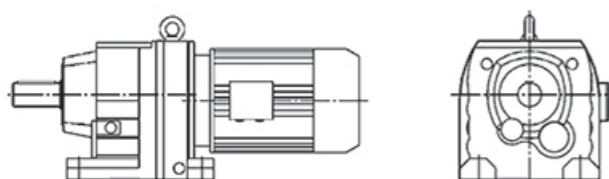
规格 Size	WR17	WR27	WR37	WR47	WR57	WR67	WR77	WR87	WR97	WR107	WR137	WR147	WR167	WR177
重量(kg) Weight	5	6	7.5	13	21	25	35	67	100	187	280	450	795	1250
规格 Size	WRX57	WRX67	WRX77	WRX87	WRX97	WRX107	WRX137							
重量(kg) Weight	11	15	25	47	80	115	130							

注:重量为平均值,不包括电机,仅供参考。(Note: The weights are mean values, without the motor, only for reference.)

### 结构型式说明 Dimensional Description

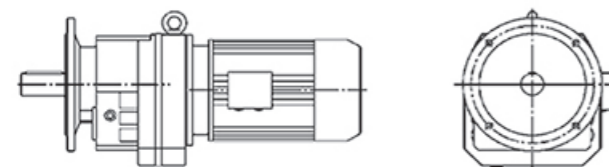
1. **WR型**: 底脚安装三级或二级斜齿轮减速电机。

**Type WR:** Foot mounted units of two or three stages helical gears.



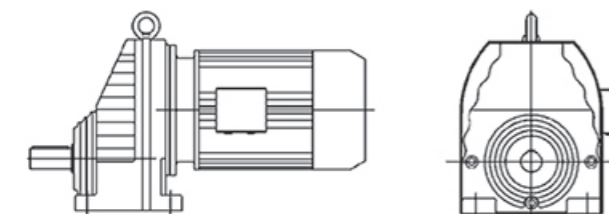
2. **WRF型**: 法兰安装三级或二级斜齿轮减速电机。

**Type WRF:** B5 flange mounted units of two or three stages helical gears.



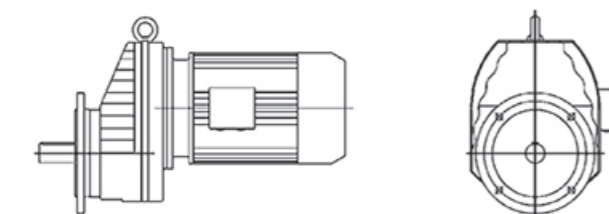
3. **WRX型**: 底脚安装单级斜齿轮减速电机。

**Type WRX:** Foot mounted units of single stage helical gears.



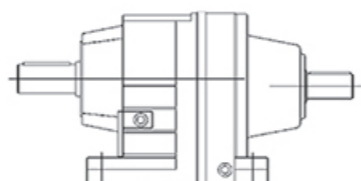
4. **WRXF型**: 法兰安装单级斜齿轮减速电机。

**Type WRXF:** Flange mounted units of single stage helical gears.



5. **WR..SZ..AD..型**: 输入轴型, 作为上述各种机型的变型品种, 即不配电动机而配用输入轴。

**Type GR..SZ..AD..:** Input shaft type. As altered type from above mentioned types, it is connected with input shaft, instead of motor.

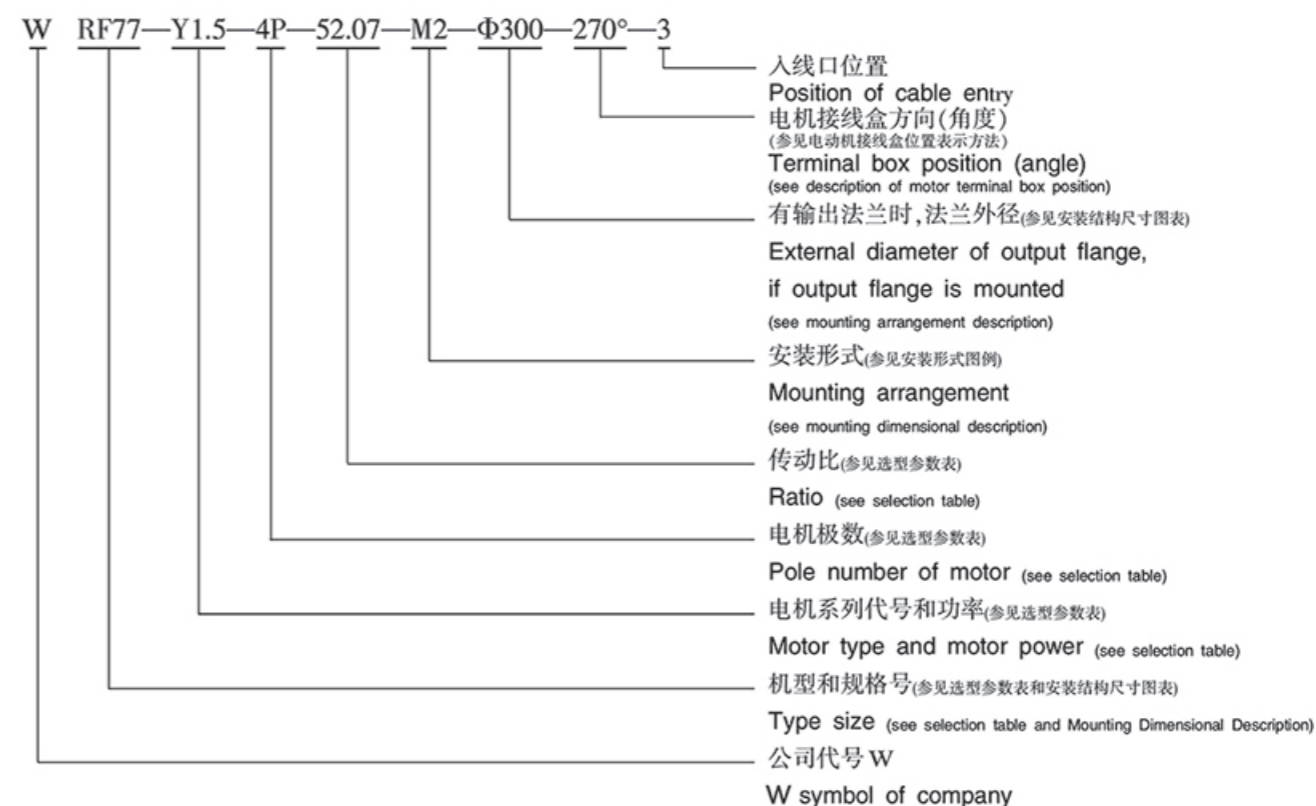


6. **WR..R型**: 两机型的组合, 可形成很大的传动比。

**Type WR..R:** Combined types of two different types. Very big ratios are available with these combined units.



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



注: 1、需带联接法兰时请注明。

2、输入轴型没有电动机各项内容。

3、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.

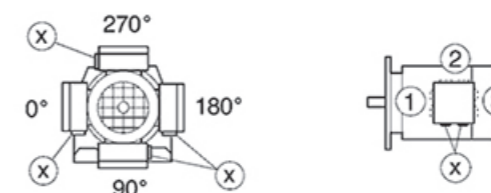
3、Degree=0°, if terminal box position is not mentioned. It is x, if cable entry position is not mentioned.

3、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

#### 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



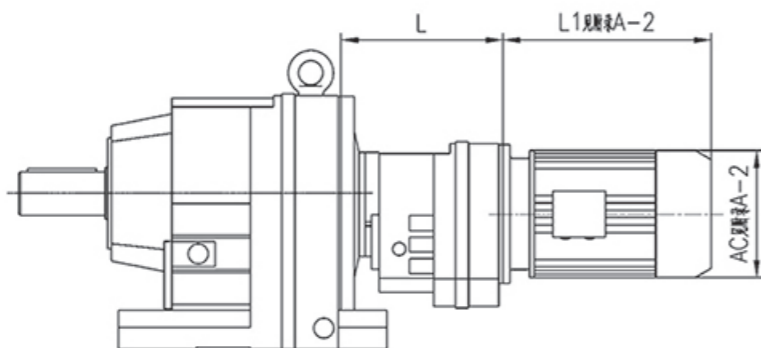






WR..R..  
安装结构尺寸

WR..R..  
Mounting Dimensional Description



机型号 Type Size	电机机座号 Motor frame size	L
WR..27R17 WR..37R17	63	131
	71	
WR..47R37 WR..57R37 WR..67R37	63	157
	71	
	80	
WR..77R37	63	157
	71	
	80	
WR..87R57	63	187
	71	
	80	
	90	
WR..97R57	63	187
	71	
	80	
	90	
WR..107R77	63	220
	71	
	80	
	90	
	100	
	112	
WR..137R77	63	220
	71	
	80	
	90	
	100	
	112	

机型号 Type Size	电机机座号 Motor frame size	L
WR..147R77	63	220
	71	
	80	
	90	
	100	
	112	
WR..147R87	90	272
	100	
	112	
	132	
	160	
	180	
WR..167R97 WR..177R97	80	320
	90	
	100	
	112	
	132	
	160	
WR..167R107 WR..177R107	100	355
	112	
	132	
	160	
	180	
	200	
	225	

注:WRF也可采用串联组合机型

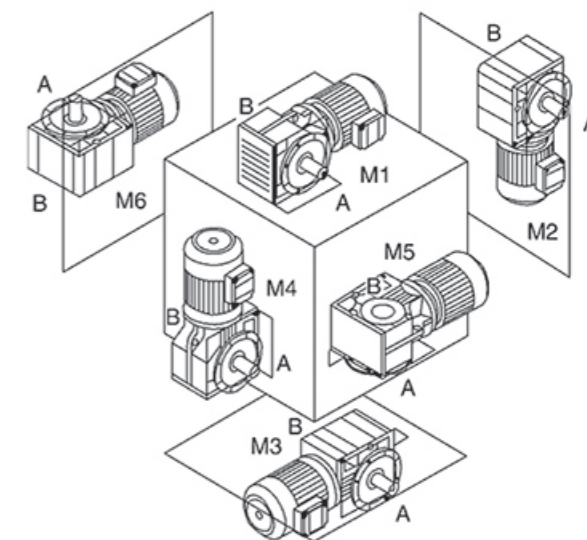
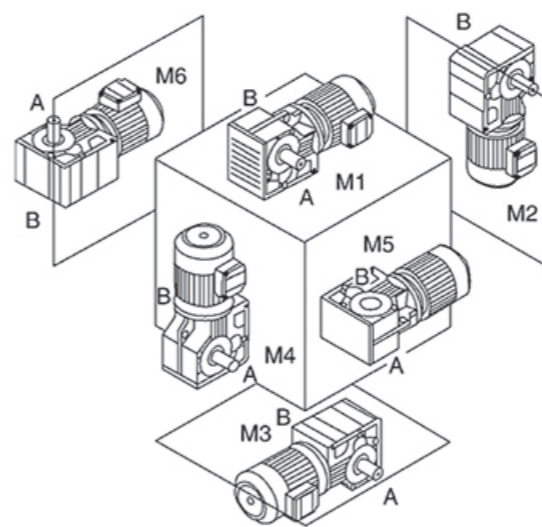
Note: Combined type is also available for type WRF.

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

安装形式图例

Mounting Arrangements Description



各种安装形式定义为:

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。

Different kinds of 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

规格 Size	WS37	WS47	WS57	WS67	WS77	WS87	WS97	WS100
重量(kg) Weight	7	10	14	26	50	95	170	240

注:重量为平均值,不包括电机,仅供参考。

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

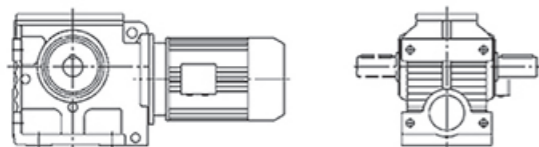
### 结构型式说明 Dimensional Description

WS 系列输出轴垂直于输入轴,由一级斜齿轮和一级蜗轮蜗杆构成。

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

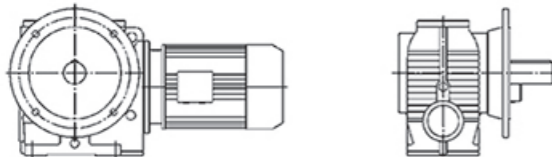
**1.WS型:**底脚轴伸式安装斜齿轮-蜗轮蜗杆减速电机。

**Type WS:** Foot-mounted helical-worm gear units with solid shaft.



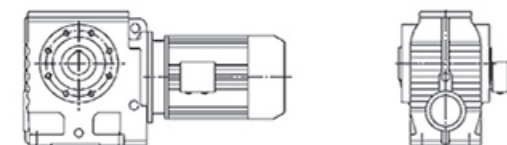
**2.WSF型:**B5 法兰轴伸式安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSF:** B5 flange mounted helical-worm gear units with solid shaft.



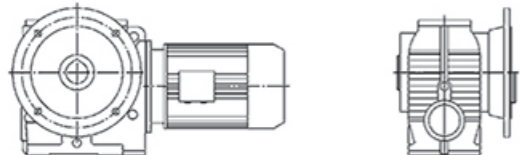
**3.WSA型:**空心轴安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSA:** Helical-worm gear units with hollow shaft.



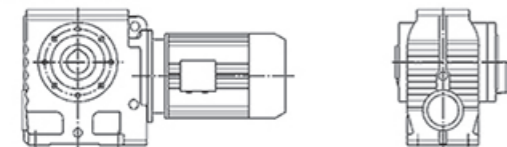
**4.WSAF型:**B5 法兰空心轴安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSAF:** B5 flange mounted helical-worm gear units with hollow shaft.



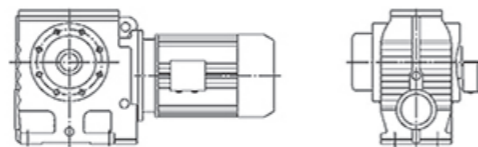
**5.WSAZ型:**B14 法兰空心轴安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSAZ:** B14 flange-mounted helical-worm gear units with hollow shaft.



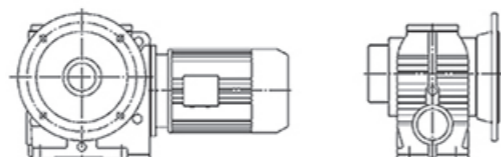
**6.WSH型:**空心轴锁紧盘安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSH:** Helical-worm geared motor with hollow shaft and shrink disk.



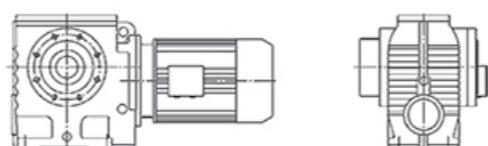
**7.WSHF型:**B5 法兰空心轴锁紧盘安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSHF:** B5 flange-mounted helical-worm geared motor with hollow shaft and shrink disk.



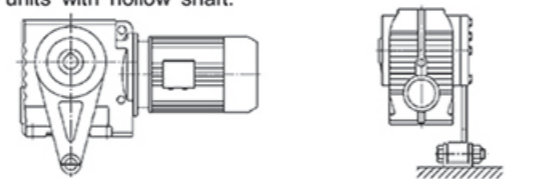
**8.WSHZ型:**B14 法兰空心轴锁紧盘安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSHZ:** B14 flange-mounted helical-worm geared motor with hollow shaft and shrink disk.



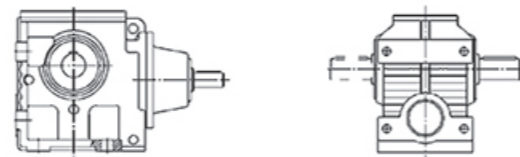
**9.WSAT/WSHT型:**带防转臂空心轴安装斜齿轮-蜗轮蜗杆减速电机。

**Type WSAT/WSHT:** Torque-arm-mounted helical-worm gear units with hollow shaft.



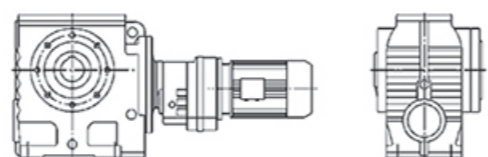
**10.WS..SZ..AD..型:**轴输入的斜齿轮-蜗轮蜗杆减速电机。

**Type WS..SZ..AD..:** Shaft input helical-worm gear units.

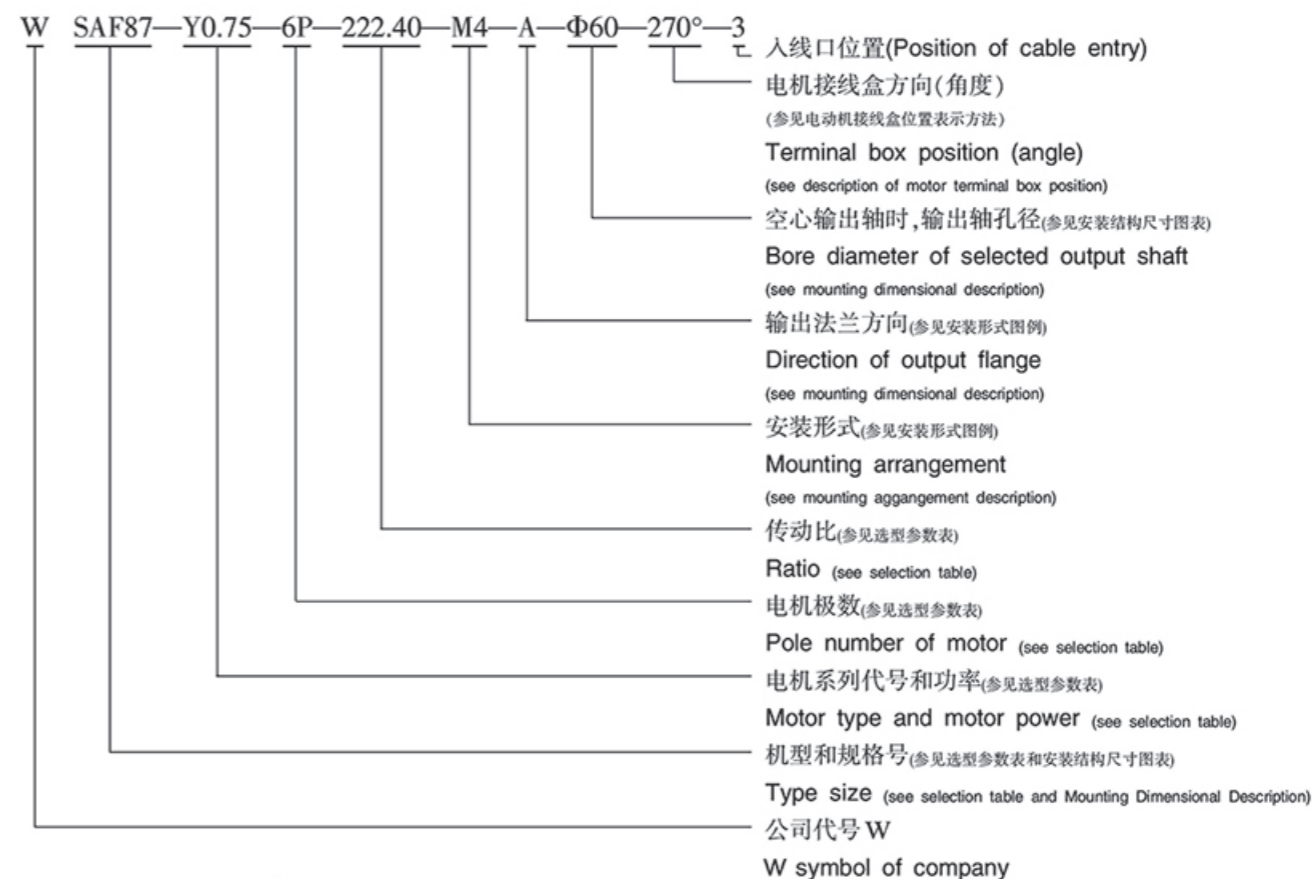


**11.WS..R型:**WS系列和WR系列的组合。

**Type WS..R:** Combined types of series WS and series WR.



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



注:1、需带联接法兰时请注明

2、输入轴型没有电动机各项内容。

3、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.

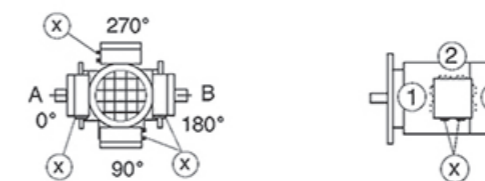
3, Degree=0°, if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.

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

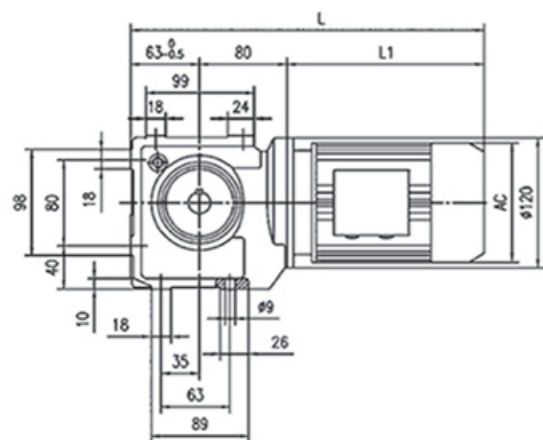
### Description of Motor Terminal Box Position and Cable Entry Position

#### 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



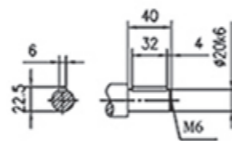
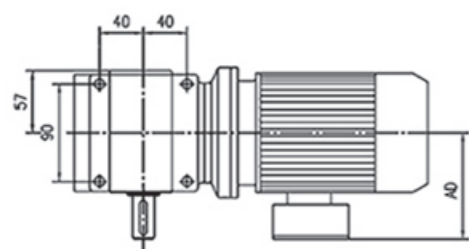
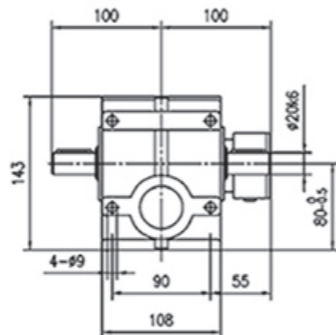
WS37

安装结构尺寸



WS37

Mounting Dimensional Description



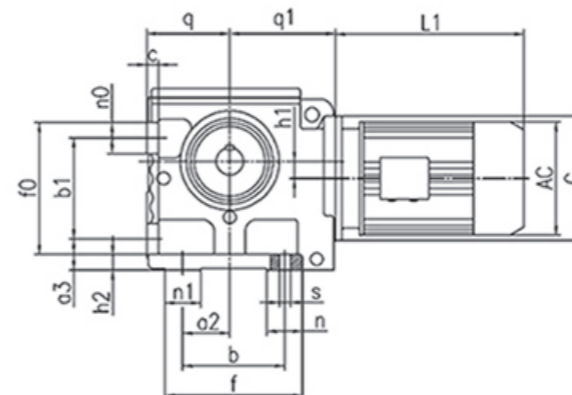
电机机座号 Motor frame size	63	71	80	90S	90L				
AC	130	145	175	195	195				
AD	70	80	145	155	155				
L1	207	225	255	270	295				
L	350	368	398	413	438				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

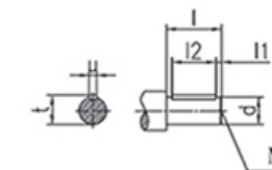
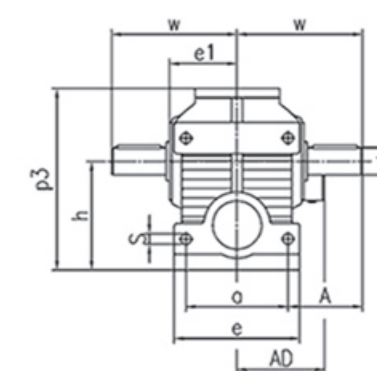
WS47-97

安装结构尺寸



WS47-97

Mounting Dimensional Description



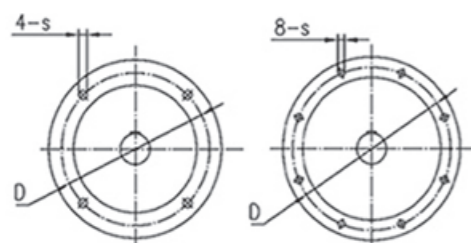
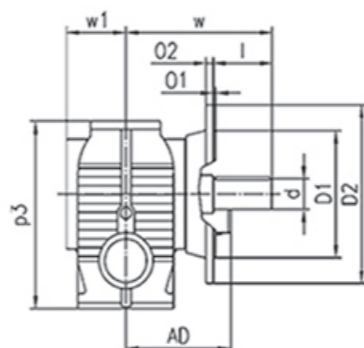
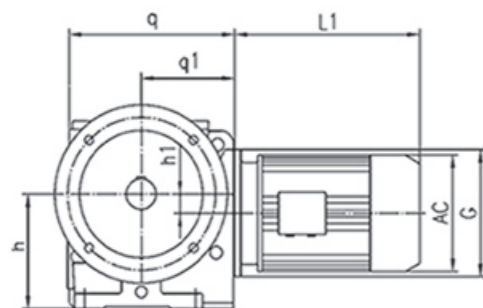
规格 Specification	q d	q <sub>1</sub> w	c A	f <sub>0</sub> a	b <sub>1</sub> e	n <sub>0</sub> h	a <sub>3</sub> p <sub>3</sub>	h <sub>1</sub> e <sub>1</sub>	h <sub>2</sub> u	n <sub>1</sub> t	a <sub>2</sub> l	s l <sub>1</sub>	n l <sub>2</sub>	b M	f G	电机尺寸 Motor Size				
																AC	AD	L1		
WS47	75 <sub>0.5</sub> Φ 25k6	96 115	12 65	105 100	80 120	25 100 <sub>0.5</sub>	35 165	8 60	15 8	30 28	35 50	Φ 11 5	30 40	80 M10	112 Φ 120	见附录 A-2 Please see appendix A-2				
WS57	80 <sub>0.5</sub> Φ 30k6	107 134	12 79	130 110	100 136	30 112 <sub>0.5</sub>	35 189	20 71	15 8	30 33	45 60	Φ 11 3.5	30 50	100 M10	130 Φ 120					
WS67	106 <sub>0.5</sub> Φ 35k6	135 160	15 95	170 130	130 160	40 140 <sub>0.5</sub>	40 236	22 85.5	20 10	45 38	60 70	Φ 13.5 7	45 56	130 M12	175 Φ 160					
WS77	125 <sub>0.5</sub> Φ 45k6	162 195	25 120	177 150	135 185	42 180 <sub>0.5</sub>	70 301	34 101	25 14	50 48.5	75 90	Φ 17.5 5	69 80	135 M16	204 Φ 200					
WS87	150 <sub>0.5</sub> Φ 60m6	190 255	30 155	230 200	180 250	50 225 <sub>0.5</sub>	82 368	37.5 130	30 18	60 64	92 120	Φ 22 5	67 110	180 M20	247 Φ 250					
WS97	180 <sub>0.5</sub> Φ 70m6	240 295	35 170	295 250	235 300	60 280 <sub>1</sub>	90 455	52 150	35 20	80 74.5	115 140	Φ 26 7.5	85 125	235 M20	320 Φ 300					

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

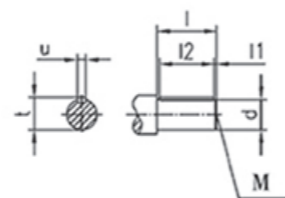
WSF37-97

安装结构尺寸



WSF37-87

WSF97



规格 Specification	q	q <sub>1</sub>	h	h <sub>1</sub>	s	D	D <sub>1</sub>	D <sub>2</sub>	o <sub>1</sub>	O <sub>2</sub>	G	电机尺寸 Motor Size				
	p <sub>3</sub>	w	w <sub>1</sub>	u	t	l	l <sub>1</sub>	l <sub>2</sub>	d	M		AC	AD	L1		
WSF37	143 131	80 115	82 <sub>0.5</sub> 57	/ 6	Φ9 22.5	Φ130 40	Φ110 4	Φ160 32	3.5/3 Φ20k6	10/8 M6	Φ120	见附录 A-2 Please see appendix A-2				
WSF47	171 179	96 133.5	100 <sub>0.5</sub> 57.5	8 8	Φ9 28	Φ130 50	Φ110j6 5	Φ160 40	3.5 Φ25k6	10 M10	Φ120					
WSF57	187 189	107 160	112 <sub>0.5</sub> 72	20 8	Φ11 33	Φ165 60	Φ130j6 3.5	Φ200 50	3.5 Φ30k6	12 M10	Φ120					
WSF67	242 236	135 196.5	140 <sub>0.5</sub> 80.5	22 10	Φ11 38	Φ165 70	Φ130j6 7	Φ200 56	3.5 Φ35k6	12 M12	Φ160					
WSF77	287 301	162 240.5	180 <sub>0.5</sub> 101	34 14	Φ13.5 48.5	Φ215 90	Φ180j6 5	Φ250 80	4 Φ45k6	15 M16	Φ200					
WSF87	340 368	190 297.5	225 <sub>0.5</sub> 120	37.5 18	Φ17.5 64	Φ300 120	Φ250h6 5	Φ350 110	5 Φ60m6	18 M20	Φ250					
WSF97	420 455	240 345	280 <sub>1</sub> 140	52 20	Φ17.5 74.5	Φ400 140	Φ350h6 7.5	Φ450 125	5 Φ70m6	22 M20	Φ300					

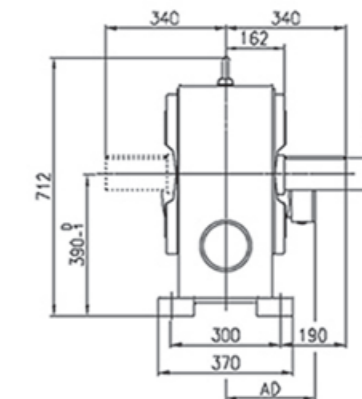
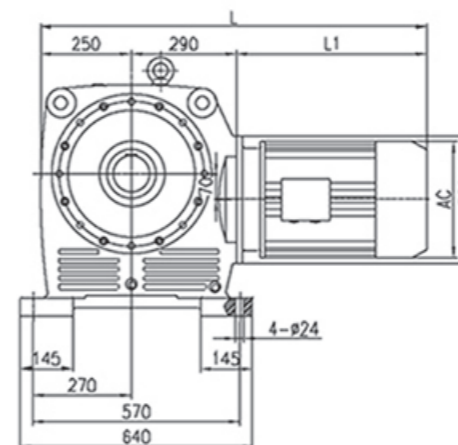
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

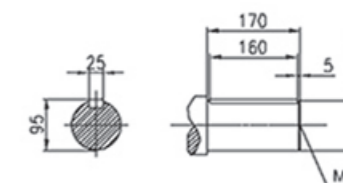
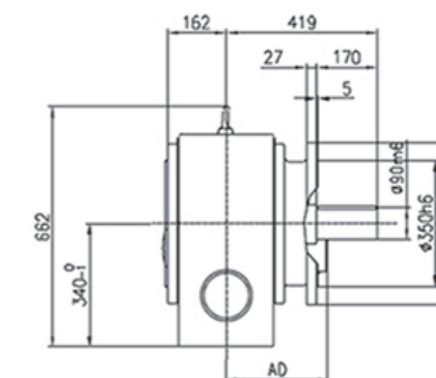
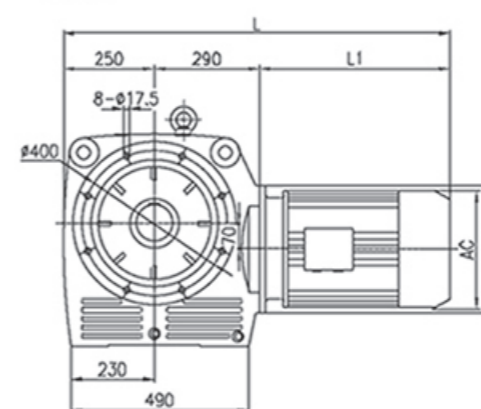
WS100/WSF100

安装结构尺寸

WS100



WSF100

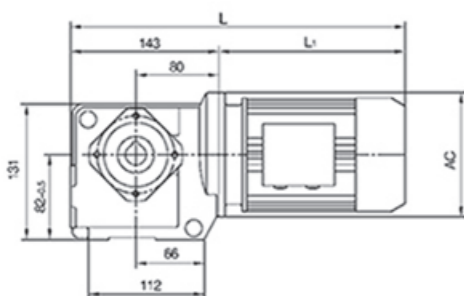


电机机座号 Motor frame size	100L	112M	132S	132M	160M	160L	180M	180L	200L
AC	215	240	275	275	330	330	380	380	420
AD	180	190	210	210	255	255	280	280	305
L1	325	340	390	430	505	560	590	630	660
L	865	880	930	970	1045	1100	1130	1170	1200

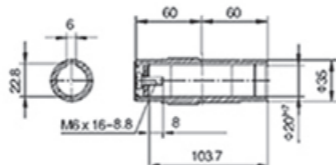
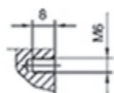
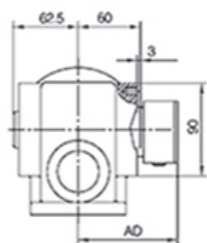
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSA37  
安装结构尺寸



WSA37  
Mounting Dimensional Description

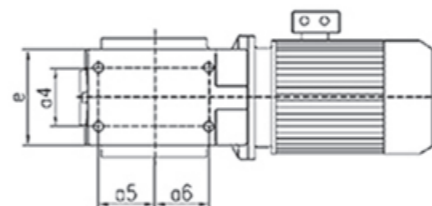


电机机座号 Motor frame size	63	71	80	90S	90L				
AC	130	145	175	195	195				
AD	70	80	145	155	155				
L1	207	225	255	270	295				
L	350	368	398	413	438				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

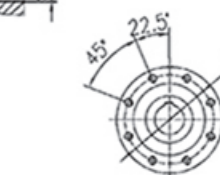
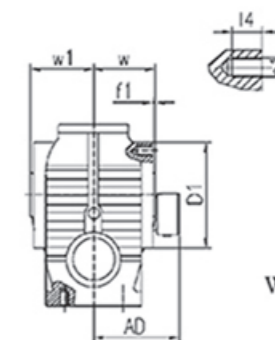
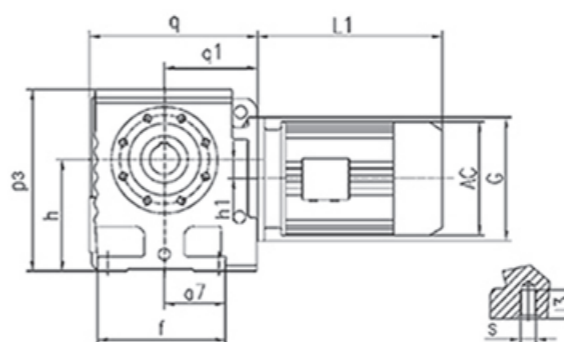
WSA47-97  
安装结构尺寸



WSA47、WSA67

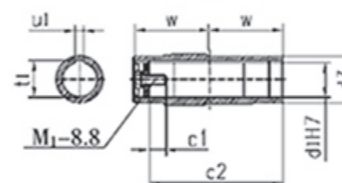


WSA57

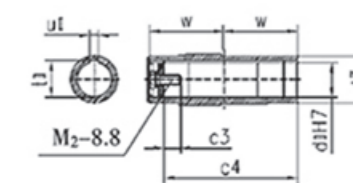


WSA77、WSA87、WSA97

较大孔径(The bigger diameter of bore)



较小孔径(The smaller diameter of bore)

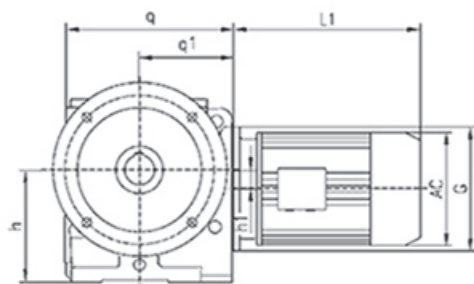


规格 Specification	e h1	a4 a7	a5 f	a6 w	s f1	l2 D1	s1 d3	l4 d1	D U1	q t1	q1 d1I	p3 u1I	h t1I	c1 c2	c3 c4	M1 M2	G W1	电机尺寸 Motor Size			
																		AC	AD	L1	
WSA47	94 8	60 67	35 127	52 60	M10 2.5	20 Φ130	M8 Φ45	12 Φ30	Φ115 8	171 33.3	96 Φ25	179 8	100 <sub>±0.5</sub> 28.3	17 103.7	17 103.7	M10x25 M10x25	Φ120 63	见附录 A-2 Please see appendix A-2			
WSA57	100 20	60 73	58.5 146	58.5 75	M10 3	20 Φ120	M8 Φ50	12 Φ35	Φ102 10	187 38.3	107 Φ30	189 8	112 <sub>±0.5</sub> 33.3	22 132	17 132	M12x30 M10x25	Φ120 78				
WSA67	128 22	88 95.5	71.5 182	80.5 84	M12 3.5	25 Φ155	M12 Φ65	20 Φ45	Φ130 14	242 48.8	135 Φ40	236 12	140 <sub>±0.5</sub> 43.3	29 144	29 144	M16x40 M16x40	Φ160 87				
WSA77	156 34	102 104	85 204	85 105	M16 4	32 Φ178	M12 Φ80	20 Φ60	Φ155 18	287 64.4	162 Φ50	301 14	180 <sub>±0.5</sub> 53.8	37 183	32 183	M20x50 M16x45	Φ200 108				
WSA87	194 37.5	118 125	115 260	110 125	M16 5	32 Φ215	M16 Φ95	26 Φ70	Φ180 20	340 74.9	190 Φ60	368 18	225 <sub>±0.5</sub> 64.4	34 220	36 220	M20x50 M20x50	Φ250 128				
WSA97	236 52	160 140	135 301	113 145	M20 5	36 Φ260	M16 Φ120	26 Φ90	Φ220 25	420 95.4	240 Φ70	455 20	280 <sub>±1</sub> 74.9	41 260	34 260	M24x60 M20x50	Φ300 149				

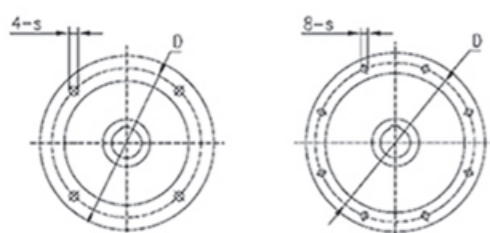
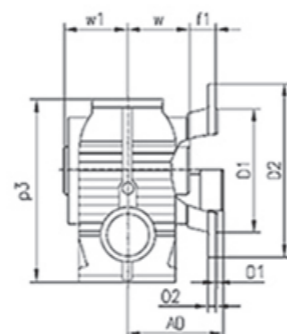
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSAF37-97  
安装结构尺寸



WSAF37-97  
Mounting Dimensional Description

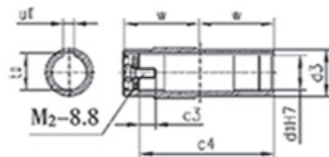
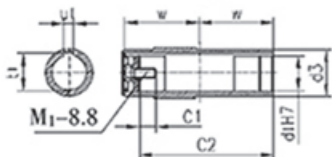


WSAF37-87

WSAF97

较大孔径(The bigger diameter of bore)

较小孔径(The smaller diameter of bore)



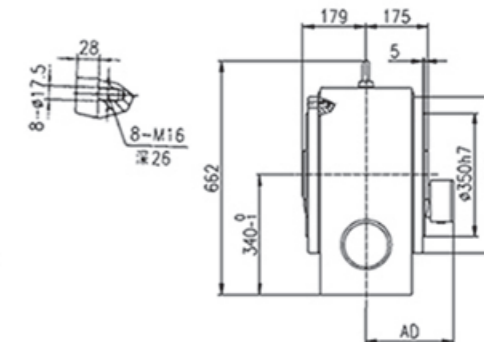
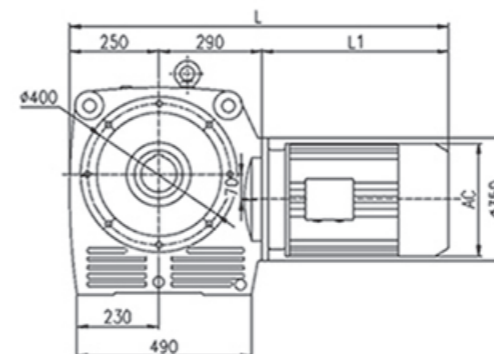
规格 Specification	q p3	q1 w	h f1	h1 d3	s d1	D UI	D1 t1	D2 d2	o1 u1	o2 t2	c1 c2	c3 c4	M1 M2	G W1	电机尺寸 Motor Size			
															AC	AD	L1	
WSAF37	143 131	80 60	82-0.5 15	/ Φ35	Φ9/Φ6.6 Φ20	Φ130/Φ100 6	Φ110/Φ80/Φ6 22.8	Φ160/Φ120 /	3.5/3 /	10/8 /	17 /	/	M6x16 /	Φ120 62.5	见附录 A-2 Please see appendix A-2			
WSAF47	171 179	96 60	100-0.5 24	8 Φ45	Φ9 Φ30	Φ130 8	Φ110/Φ6 33.3	Φ160 Φ25	3.5 8	10 28.3	17 103.7	17 103.7	M10x25 M10x25	Φ120 63				
WSAF57	187 189	107 75	112-0.5 25	20 Φ50	Φ11 Φ35	Φ165 10	Φ130/Φ6 38.3	Φ200 Φ30	3.5 8	12 33.3	22 132	17 132	M12x30 M10x25	Φ120 78				
WSAF67	242 236	135 84	140-0.5 42.5	22 Φ65	Φ11 Φ45	Φ165 14	Φ130/Φ6 48.8	Φ200 Φ40	3.5 12	12 43.3	29 144	29 144	M16x40 M16x40	Φ160 87				
WSAF77	287 301	162 105	180-0.5 45.5	34 Φ80	Φ13.5 Φ60	Φ215 18	Φ180/Φ6 64.4	Φ250 Φ50	4 14	15 53.8	37 183	32 183	M20x50 M16x45	Φ200 108				
WSAF87	340 368	190 125	225-0.5 52.5	37.5 Φ95	Φ17.5 Φ70	Φ300 20	Φ250h6 74.9	Φ350 Φ60	5 18	18 64.4	34 220	36 220	M20x50 M20x50	Φ250 128				
WSAF97	420 455	240 145	280-1 60	52 Φ120	Φ17.5 Φ90	Φ400 25	Φ350h6 95.4	Φ450 Φ70	5 20	22 74.9	41 260	34 260	M24x60 M20x50	Φ300 149				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

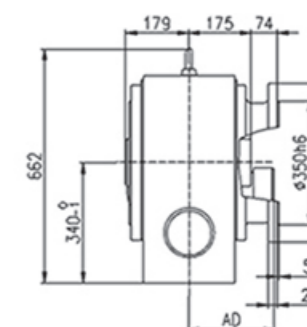
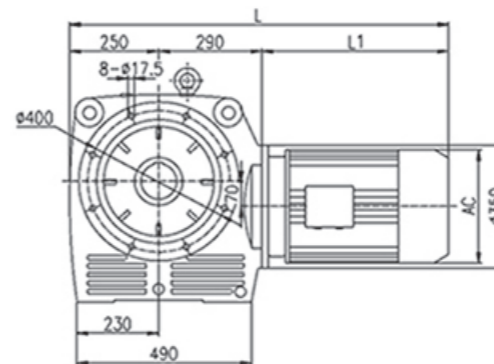
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WSA100/WSAF100  
安装结构尺寸

WSA100

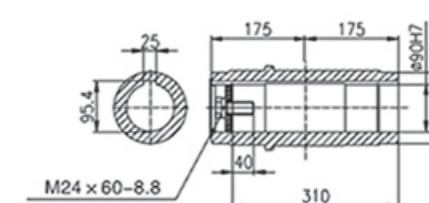
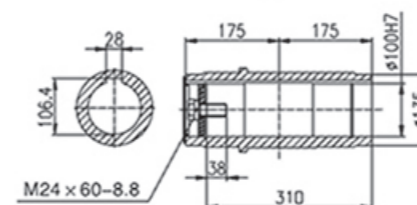


WSAF100



较大孔径(The bigger diameter of bore)

较小孔径(The smaller diameter of bore)



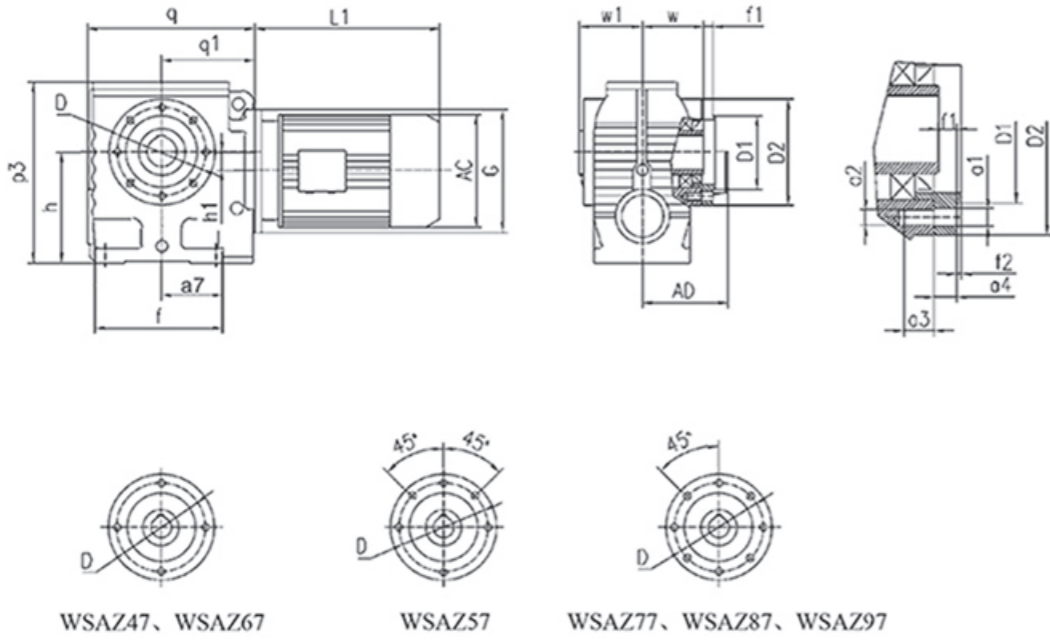
电机机座号 Motor frame size	100L	112M	132S	132M	160M	160L	180M	180L	200L
AC	215	240	275	275	330	330	380	380	420
AD	180	190	210	210	255	255	280	280	305
L1	325	340	390	430	505	560	590	630	660
L	865	880	930	970	1045	1100	1130	1170	1200

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSAZ47-97  
安装结构尺寸

WSAZ47-97  
Mounting Dimensional Description



较大孔径(The bigger diameter of bore)

较小孔径(The smaller diameter of bore)



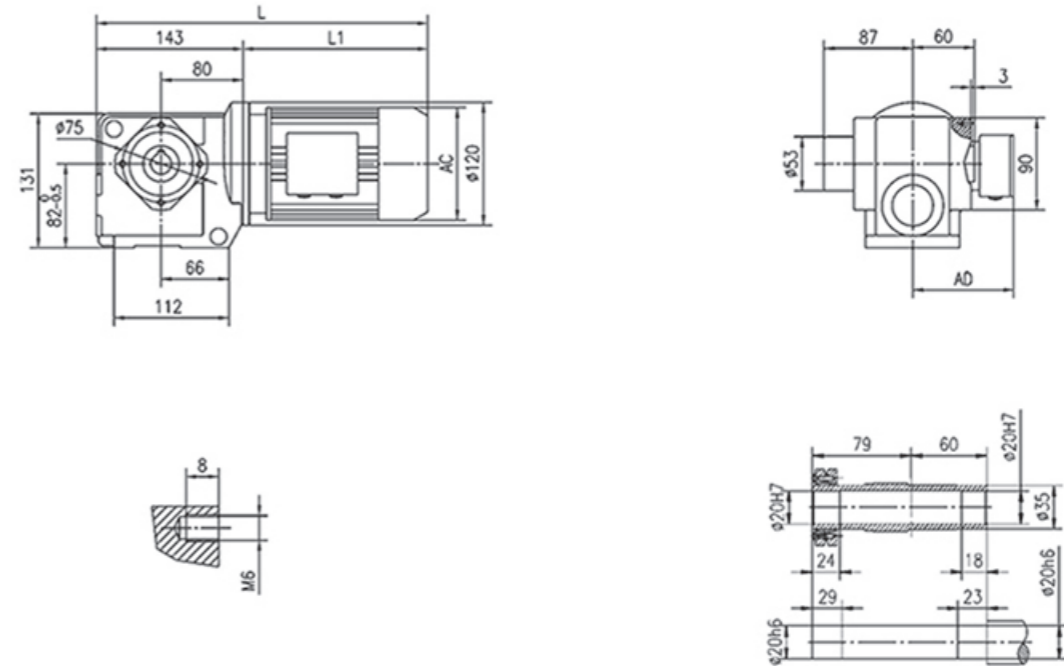
规格 Specification	d <sub>1</sub> d <sub>h</sub>	d <sub>3</sub> G	M <sub>1</sub> M <sub>2</sub>	q q <sub>1</sub>	h h <sub>1</sub>	p <sub>3</sub> f	a <sub>7</sub> f <sub>2</sub>	a <sub>2</sub> f <sub>1</sub>	a <sub>3</sub> a <sub>1</sub>	a <sub>4</sub> D	D <sub>1</sub> D <sub>2</sub>	w w <sub>1</sub>	t <sub>I</sub> U <sub>I</sub>	t <sub>II</sub> U <sub>II</sub>	c <sub>1</sub> c <sub>2</sub>	c <sub>3</sub> c <sub>4</sub>	电机尺寸 Motor Size					
																	AC	AD	L1			
WSAZ47	Φ 30	Φ 45	M10x25	171	100 <sub>0.5</sub>	179	67	M8	12	11	Φ 95j6	60	33.3	28.3	17	17	见附录 A-2 Please see appendix A-2					
	Φ 25	Φ 120	M10x25	96	8	127	3	8.5	Φ 9	Φ 115	Φ 130	63	8	8	103.7	103.7						
WSAZ57	Φ 35	Φ 50	M12x30	187	112 <sub>0.5</sub>	189	73	M8	12	11	Φ 80j6	75	38.3	33.3	22	17		见附录 A-2 Please see appendix A-2				
	Φ 30	Φ 120	M10x25	107	20	146	3	8	Φ 9	Φ 102	Φ 120	78	10	8	132	132						
WSAZ67	Φ 45	Φ 65	M16x40	242	140 <sub>0.5</sub>	236	95.5	M12	20	13	Φ 105j6	84	48.8	43.3	29	29			见附录 A-2 Please see appendix A-2			
	Φ 40	Φ 160	M16x40	135	22	182	3.5	9.5	Φ 13.5	Φ 130	Φ 155	87	14	12	144	144						
WSAZ77	Φ 60	Φ 80	M20x50	287	180 <sub>0.5</sub>	301	104	/	/	18.5	Φ 125j6	105	64.4	53.8	37	32	见附录 A-2 Please see appendix A-2					
	Φ 200	M16x45	162	34	204	4	14.5	M12	Φ 155	Φ 180	108	18	14	183	183							
WSAZ87	Φ 70	Φ 95	M20x50	340	225 <sub>0.5</sub>	368	125	/	/	23.5	Φ 150j6	125	74.9	64.4	34	36		见附录 A-2 Please see appendix A-2				
	Φ 60	Φ 250	M20x50	190	37.5	260	5	18.5	M16	Φ 180	Φ 215	128	20	18	220	220						
WSAZ97	Φ 90	Φ 120	M24x60	420	280.1	455	140	/	/	23.5	Φ 180j6	145	95.4	74.9	41	34			见附录 A-2 Please see appendix A-2			
	Φ 70	Φ 300	M20x50	240	52	301	5	18.5	M16	Φ 220	Φ 260	149	25	20	260	260						

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSH37  
安装结构尺寸

WSH37  
Mounting Dimensional Description



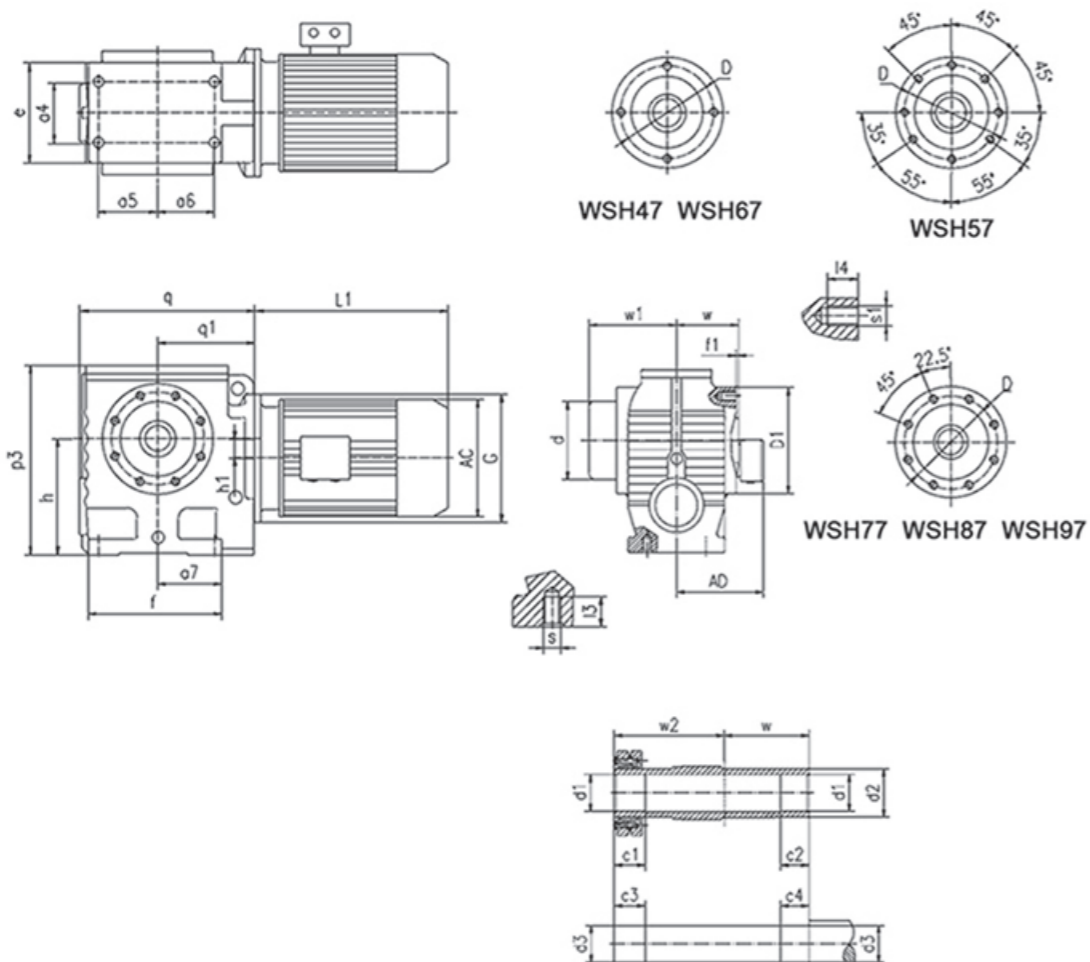
电机座号 Motor frame size	63	71	80	90S	90L					
AC	130	145	175	195	195					
AD	70	80	145	155	155					
L1	207	225	255	270	295					
L	350	368	398	413	438					

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSH47-97  
安装结构尺寸

WSH47-97  
Mounting Dimensional Description



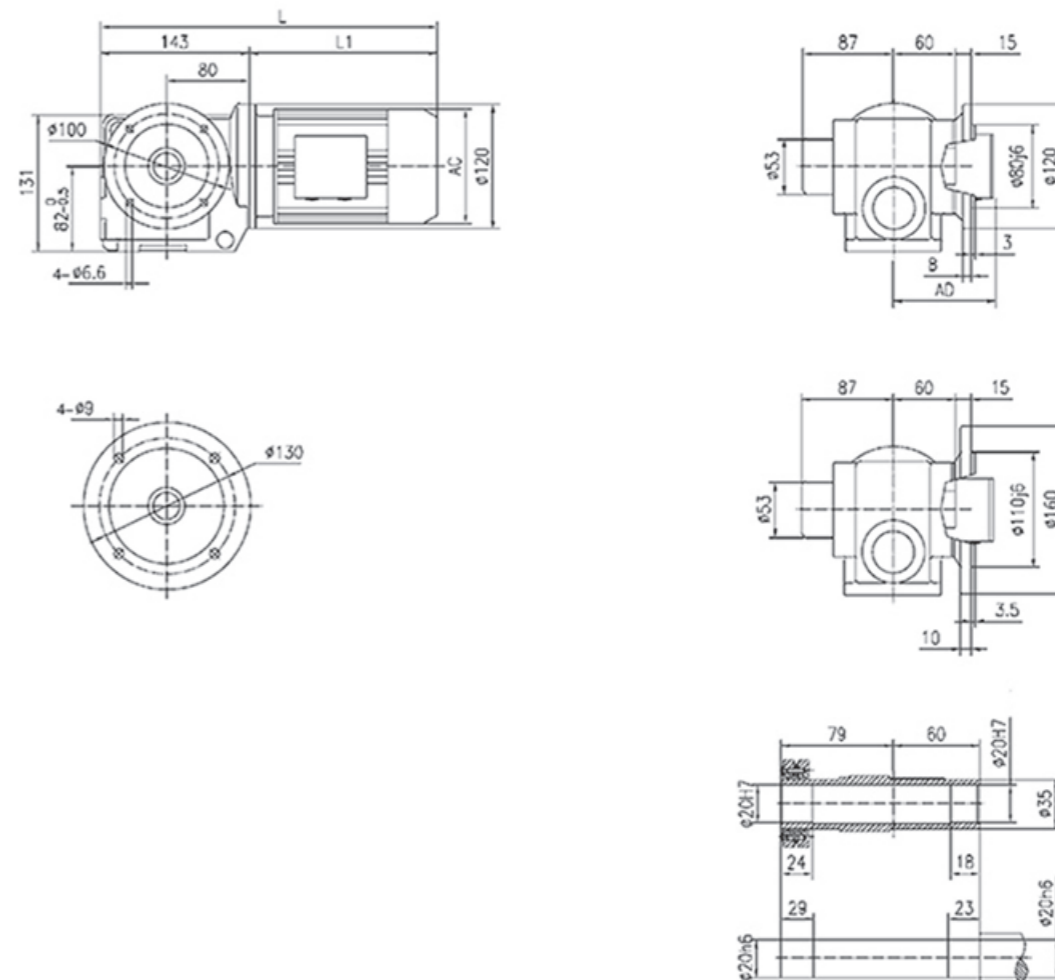
规格 Specification	q	e	a <sub>6</sub>	p <sub>3</sub>	h	f	w	c <sub>1</sub>	c <sub>3</sub>	D	d	d <sub>2</sub>	s	l <sub>3</sub>	w <sub>2</sub>	电机尺寸 Motor Size																			
	q <sub>1</sub>	a <sub>4</sub>	a <sub>5</sub>	a <sub>7</sub>	h <sub>1</sub>	f <sub>1</sub>	w <sub>1</sub>	c <sub>2</sub>	c <sub>4</sub>	D <sub>1</sub>	d <sub>1</sub>	d <sub>3</sub>	s <sub>1</sub>	l <sub>4</sub>	G	AC	AD	L1																	
WSH47	171	94	52	179	100 <sub>0.5</sub>	127	60	31	36	Φ 115	Φ 75	Φ 45	M10	20	86	见附录 A-2 Please see appendix A-2																			
	96	60	35	67	8	2.5	95	20	25	Φ 130	Φ 30H7	Φ 30h6	M8	12	Φ 120																				
WSH57	187	100	58.5	189	112 <sub>0.5</sub>	146	75	32	37	Φ 102	Φ 83	Φ 50	M10	20	102																				
	107	60	58.5	73	20	3	110	20	25	Φ 120	Φ 35H7	Φ 35h6	M8	12	Φ 120																				
WSH67	242	128	80.5	236	140 <sub>0.5</sub>	182	84	38	43	Φ 130	Φ 93	Φ 65	M12	25	112																				
	135	88	71.5	95.5	22	3.5	120	20	25	Φ 155	Φ 40H7	Φ 40h6	M12	20	Φ 160																				
WSH77	287	154	85	301	180 <sub>0.5</sub>	204	105	36	41	Φ 155	Φ 114	Φ 80	M16	32	136																				
	162	102	85	104	34	4	146	30	35	Φ 178	Φ 50H7	Φ 50h6	M12	20	Φ 200																				
WSH87	340	194	110	368	225 <sub>0.5</sub>	260	125	40	45	Φ 180	Φ 157	Φ 95	M16	32	165																				
	190	118	115	125	37.5	5	176	40	45	Φ 215	Φ 65H7	Φ 65h6	M16	26	Φ 250																				
WSH97	420	236	113	455	280 <sub>1.0</sub>	301	145	55	60	Φ 220	Φ 174	Φ 120	M20	36	190																				
	240	160	135	140	52	5	204	50	55	Φ 260	Φ 75H7	Φ 75h6	M16	26	Φ 300																				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSH37  
安装结构尺寸

WSH37  
Mounting Dimensional Description



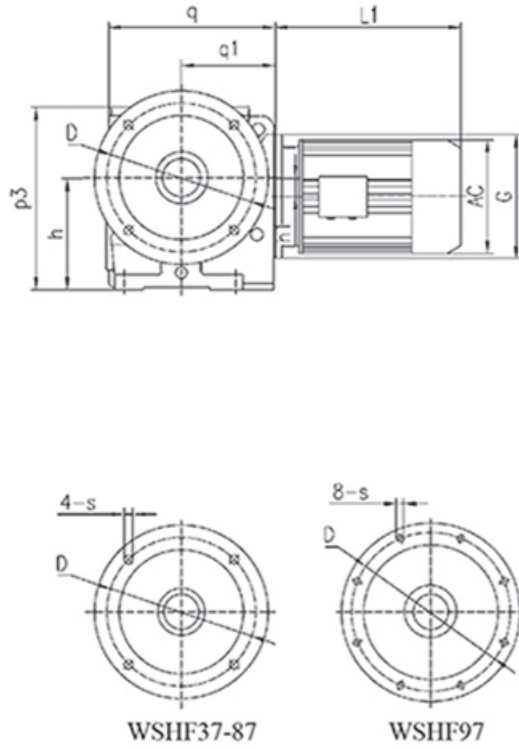
电机机座号 Motor frame size	63	71	80	90S	90L				
AC	130	145	175	195	195				
AD	70	80	145	155	155				
L1	207	225	255	270	295				
L	350	368	398	413	438				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

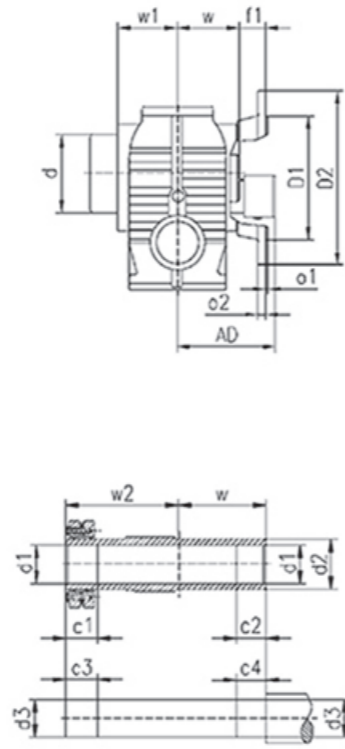
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)



WSHF47-97  
安装结构尺寸



WSHF47-97  
Mounting Dimensional Description

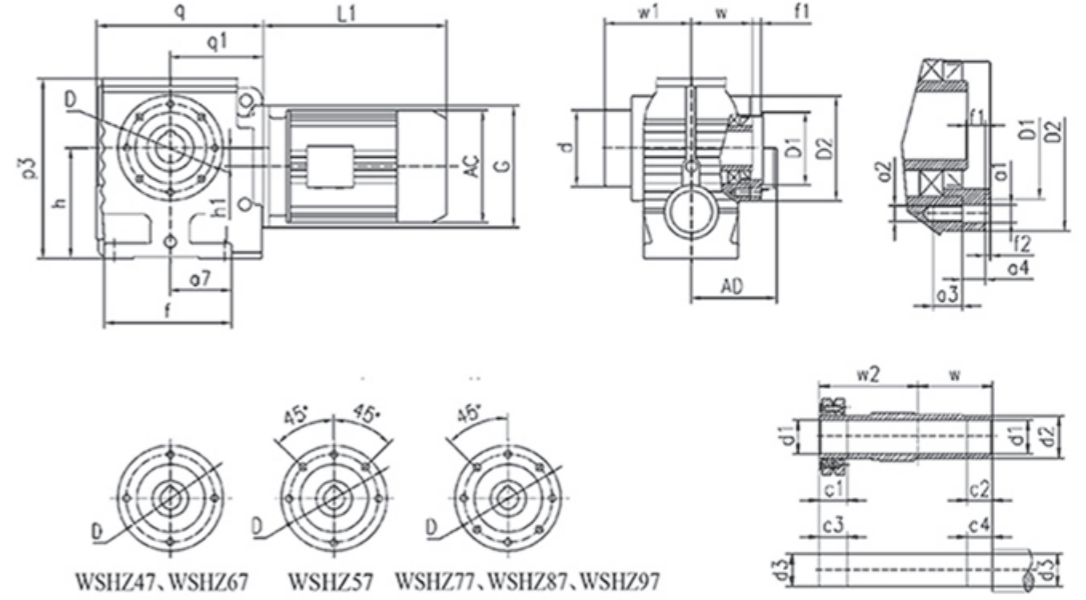


规格 Specification	q q <sub>1</sub>	h h <sub>1</sub>	s D	o <sub>2</sub> o <sub>1</sub>	D <sub>2</sub> D <sub>1</sub>	w w <sub>1</sub>	w <sub>2</sub> c <sub>1</sub>	c <sub>2</sub> c <sub>3</sub>	c <sub>4</sub>	d d <sub>1</sub>	d <sub>2</sub> d <sub>3</sub>	p <sub>3</sub> G	电机尺寸 Motor Size		
													AC	AD	L1
WSHF47	171 96	100 <sub>±0.5</sub> 8	Φ9 Φ130	10 3.5	Φ160 Φ110j6	60 95	86 31	20 24	36 25	Φ75 Φ30H7	Φ45 Φ30h6	179 Φ120	见附录 A-2 Please see appendix A-2		
WSHF57	187 107	112 <sub>±0.5</sub> 20	Φ11 Φ165	12 3.5	Φ200 Φ130j6	75 110	102 32	20 25	37 25	Φ83 Φ35H7	Φ50 Φ35h6	189 Φ120			
WSHF67	242 135	140 <sub>±0.5</sub> 22	Φ11 Φ165	12 3.5	Φ200 Φ130j6	84 120	112 38	20 42.5	43 25	Φ93 Φ40H7	Φ65 Φ40h6	236 Φ160			
WSHF77	287 162	180 <sub>±0.5</sub> 34	Φ13.5 Φ215	15 4	Φ250 Φ180j6	105 146	136 36	30 45.5	41 35	Φ114 Φ50H7	Φ80 Φ50h6	301 Φ200			
WSHF87	340 190	225 <sub>±0.5</sub> 37.5	Φ17.5 Φ300	18 5	Φ350 Φ250h6	125 176	165 40	45 52.5	45	Φ157 Φ65H7	Φ95 Φ65h6	368 Φ250			
WSHF97	420 240	280 <sub>±1.0</sub> 52	Φ17.5 Φ400	22 5	Φ450 Φ350h6	145 204	190 55	50 60	60 55	Φ174 Φ75H7	Φ120 Φ75h6	455 Φ300			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WSHZ47-97  
安装结构尺寸



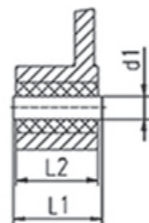
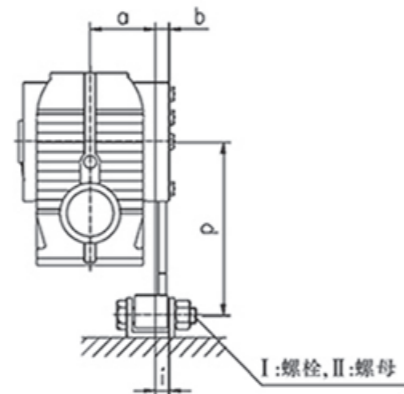
规格 Specifi- cation	d d <sub>1</sub>	d <sub>2</sub> d <sub>3</sub>	q q <sub>1</sub>	h h <sub>1</sub>	p <sub>3</sub> f	a <sub>7</sub> f <sub>2</sub>	a <sub>2</sub> f <sub>1</sub>	a <sub>3</sub> a <sub>1</sub>	a <sub>4</sub> D	D <sub>1</sub> D <sub>2</sub>	c <sub>1</sub> c <sub>2</sub>	c <sub>3</sub> c <sub>4</sub>	w w <sub>1</sub>	w <sub>2</sub> G	电机尺寸 Motor Size		
															AC	AD	L1
WSHZ47	Φ75 Φ30H7	Φ30h6 Φ45	171 96	100 <sub>±0.5</sub> 8	179 127	67 3	M8 8.5	12 Φ9	11 Φ115	Φ95j6 Φ130	31 20	36 25	60 95	86 Φ120	见附录 A-2 Please see appendix A-2		
WSHZ57	Φ83 Φ35H7	Φ35h6 Φ50	187 107	112 <sub>±0.5</sub> 20	189 146	73 3	M8 8	12 Φ9	11 Φ102	Φ80j6 Φ120	32 20	37 25	75 110	102 Φ120			
WSHZ67	Φ93 Φ40H7	Φ40h6 Φ65	242 135	140 <sub>±0.5</sub> 22	236 182	95.5 3.5	M12 9.5	20 Φ13.5	13 Φ130	Φ105j6 Φ155	38 20	43 25	84 120	112 Φ160			
WSHZ77	Φ114 Φ50H7	Φ50h6 Φ80	287 162	180 <sub>±0.5</sub> 34	301 204	104 4	/ 14.5	/ M12	18.5 Φ155	Φ125j6 Φ180	36 30	41 35	105 146	136 Φ200			
WSHZ87	Φ157 Φ65H7	Φ65h6 Φ95	340 190	225 <sub>±0.5</sub> 37.5	368 260	125 5	/ 18.5	/ M16	23.5 Φ180	Φ150j6 Φ215	40 40	45 45	125 176	165 Φ250			
WSHZ97	Φ174 Φ75H7	Φ75h6 Φ120	420 240	280 <sub>±1.0</sub> 52	455 301	140 5	/ 18.5	/ M16	23.5 Φ220	Φ180j6 Φ260	55 50	60 55	145 204	190 Φ300			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

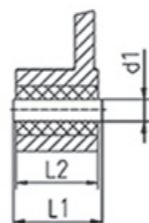
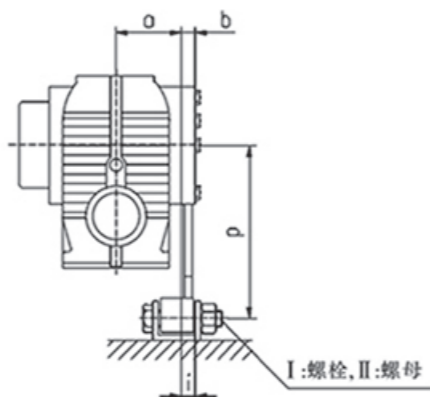
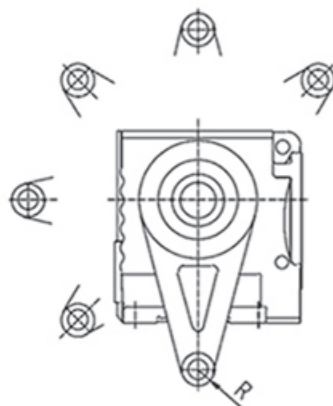
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WSAT37-100/WSHT47-97  
安装结构尺寸

WSAT37-100



WSAT47-97



机型号 Type Size	a	b	i	p	R	d <sub>1</sub>	L <sub>1,2</sub>	L <sub>2</sub>
WSAT37/WSHT37	57	10	26	110	21	10.4 <sup>+0.1</sup>	36	31
WSAT47/WSHT47	57.5	15	20.5	130	21	10.4 <sup>+0.1</sup>	36	31
WSAT57/WSHT57	72	15	18.5	160	21	10.4 <sup>+0.1</sup>	36	31
WSAT67/WSHT67	80.5	18	19.5	200	21	10.4 <sup>+0.1</sup>	36	31
WSAT77/WSHT77	101	18	32.5	250	30	16.4 <sup>+0.08</sup>	60	54
WSAT87/WSHT87	120	24	25.5	310	30	16.4 <sup>+0.08</sup>	60	54
WSAT97/WSHT97	140	26	33	380	40	25 <sup>+0.08</sup>	80	72
WSAT100	162	24	49	430	40	25 <sup>+0.08</sup>	80	74

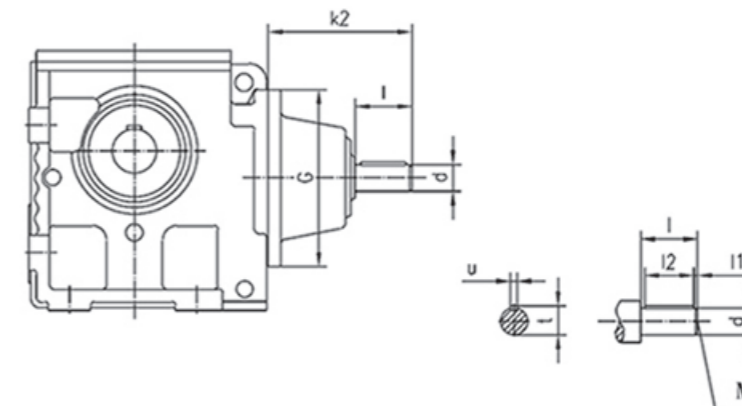
其它尺寸请参照WSA和WSH型。

注: I:螺栓、II:螺母用户自配。

For other dimensions, see the type WSA and WSH.

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

WS..SZ37-100AD1-6  
安装结构尺寸



WS..SZ37-100AD1-6 安装结构尺寸 (WS..SZ37-100AD1-6 Mounting Dimensional Description)

机型号 Type Size		d	G	k <sub>2</sub>	l	M	l <sub>1</sub>	l <sub>2</sub>	t	u
WS..SZ37/47/57	AD1	16k6	Φ 120	115	40	M5	4	32	18	5
	AD2	19k6	Φ 120	115	40	M6	4	32	21.5	6
WS..SZ67	AD2	19k6	Φ 160	120	40	M6	4	32	21.5	6
	AD3	24k6	Φ 160	130	50	M8	5	40	27	8
WS..SZ77	AD2	19k6	Φ 200	130	40	M6	4	32	21.5	6
	AD3	24k6	Φ 200	140	50	M8	5	40	27	8
	AD4	38k6	Φ 200	140	50	M12	5	40	41	10
WS..SZ87	AD2	19k6	Φ 250	160	40	M6	4	32	21.5	6
	AD3	28k6	Φ 250	180	60	M10	5	50	31	8
	AD4	38k6	Φ 250	200	80	M12	5	70	41	10
	AD5	42k6	Φ 250	200	80	M16	5	70	45	12
WS..SZ97	AD3	28k6	Φ 300	200	60	M10	5	50	31	8
	AD4	38k6	Φ 300	220	80	M12	5	70	41	10
	AD5	42k6	Φ 300	220	80	M16	5	70	45	12
	AD6	48k6	Φ 300	220	80	M16	5	70	51.5	14
WS..SZ100	AD3	28k6	Φ 350	220	60	M10	5	50	31	8
	AD4	38k6	Φ 350	240	80	M12	5	70	41	10
	AD5	42k6	Φ 350	270	110	M16	10	90	45	12
	AD6	48k6	Φ 350	270	110	M16	10	90	51.5	14

其它尺寸请参照WS型。

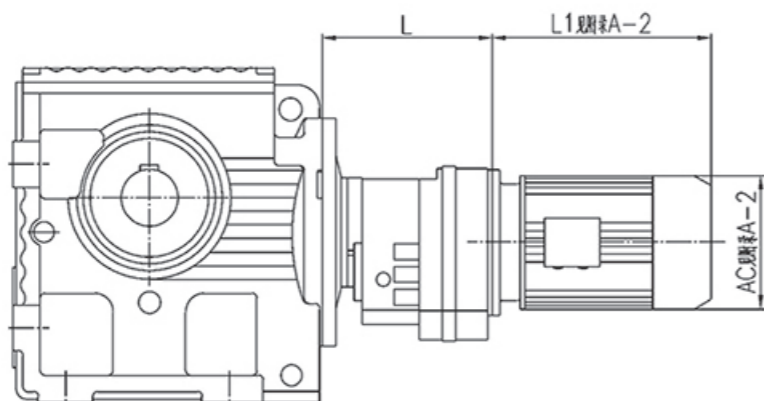
注: WSA/WSAF/WSF/WSAZ/WSH/WSHF/WSHZ 均可采用双轴型, 并分别记为 WSASZ...AD...WSAFSZ...AD...WSFSZ...AD...WSASZ...AD...WSHSZ...AD...WSHFSZ...AD...和 WSHSZ...AD...。

For other dimensions, see the type WS.

Note: double shafts type is also available for type WSA/WSAF/WSF/WSAZ/WSH/WSHF/WSHZ, and these double shafts types are respectively named type WSASZ...AD...WSAFSZ...AD...WSFSZ...AD...WSASZ...AD...WSHSZ...AD...WSHFSZ...AD... and WSHSZ...AD...。

WS..R..  
安装结构尺寸

WS..R..  
Mounting Dimensional Description



机型号 Type Size	电机机座号 Motor frame size	L
WS..37R17	63	131
	71	
WS..47R17 WS..57R17	63	131
	71	
	80	
WS..67R37	63	157
	71	
	80	
WS..77R37	63	157
	71	
	80	
	90	
WS..87R57	63	187
	71	
	80	
	90	
	100	
WS..97R57	63	187
	71	
	80	
	90	
	100	
WS..100R77	63	220
	71	
	80	
	90	
	100	

注:WSA/WSAF/WSF/WSAZ/WSH/WSHF/WSHZ 均可采用串联组合机型

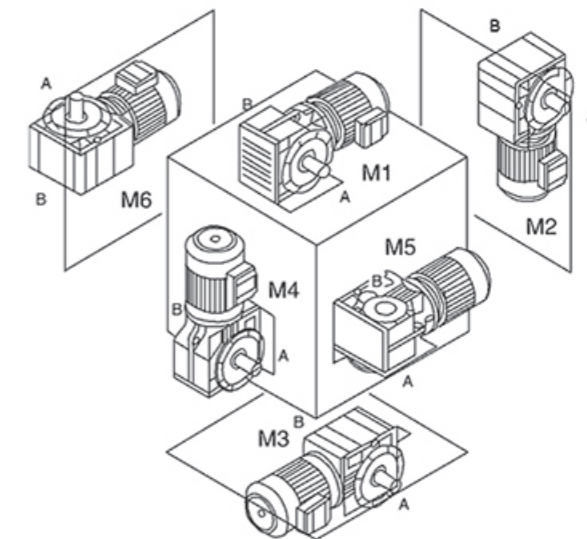
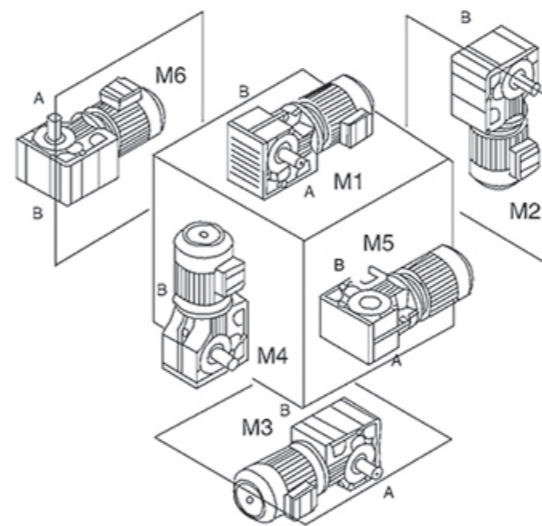
Note: Combined type is also available for type WSA/WSAF/WSF/WSAZ/WSH/WSHF/WSHZ.

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

安装形式图例

Mounting Arrangements Description



各种安装形式定义为:

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。

Different kinds of 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

规格 Size	WK37	WK47	WK57	WK67	WK77	WK87	WK97	WK107	WK127	WK157	WK167	WK187
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,仅供参考。

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

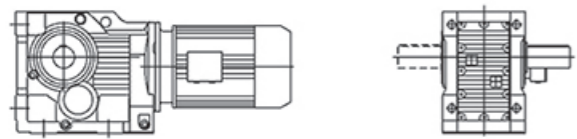
### 结构型式说明 Dimensional Description

WK 系列输出轴垂直于输入轴,由两级斜齿轮和一级弧齿锥齿轮构成。

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

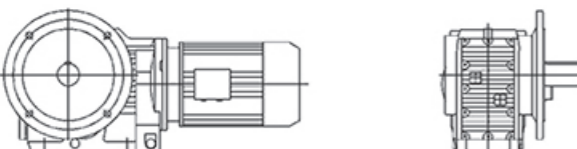
1.WK型:底脚安装,输出轴为实心轴。

Type WK: Foot mounted Solid output shaft.



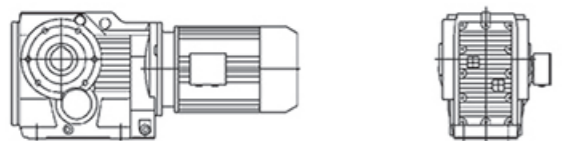
2.WKF型:B5 法兰安装,输出轴为实心轴。

Type WKF: B5 flange mounted Solid output shaft.



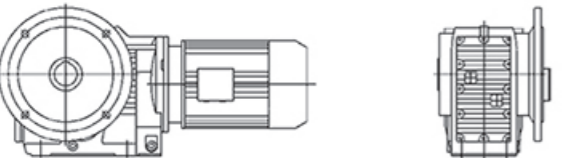
3.WKA型:轴装式,输出轴为空心轴。

Type WKA: Shaft mounted. Hollow output shaft.



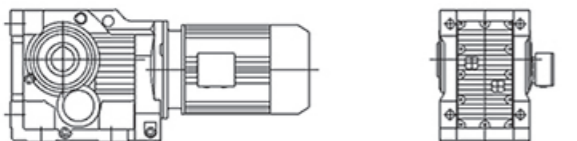
4.WKAF型:B5 法兰安装,输出轴为空心轴。

Type WKAF: B5 flange mounted. Hollow output shaft.



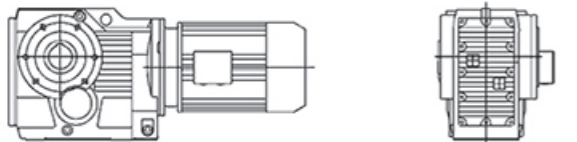
5.WKAB/WKHB型:用 WK 型箱体,输出轴为空心轴。

Type WKAB/WKHB: Housings of type WK are used. Hollow output shaft.



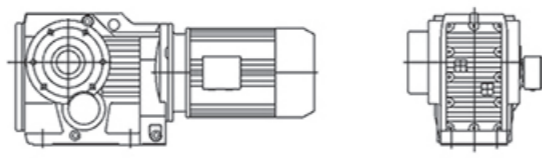
6.WKAZ型:B14 法兰空心轴安装。

Type WKAZ: B14 flange mounted version with hollow shaft.



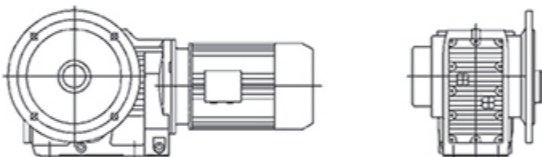
7.WKH型:空心轴锁紧盘安装。

Type WKH: Hollow shaft and shrink disk.



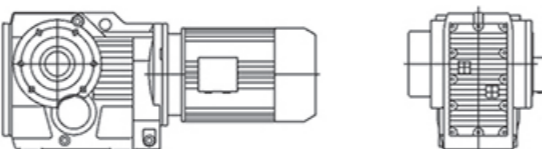
8.WKHF型:B5 法兰空心轴锁紧盘安装。

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



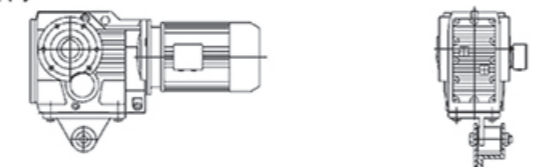
9.WKHZ型:B14 法兰空心轴锁紧盘安装。

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



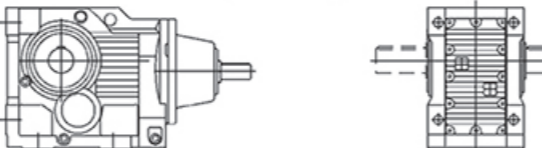
10.WKAT/WKHT型:即在 WKA/WKH 型上增加防转臂等附件后的派生型。

Type WKAT/WKHT: As altered type from type WKA/WKH, this type is added torque arm and other accessories. Basically, accessories except spring washer do not belong to our standard supply.



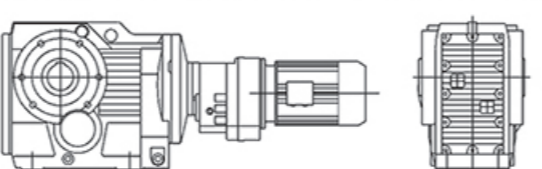
11.WK..SZ..AD..型:输入轴型。

Type WK..SZ..AD..: Input shaft types.

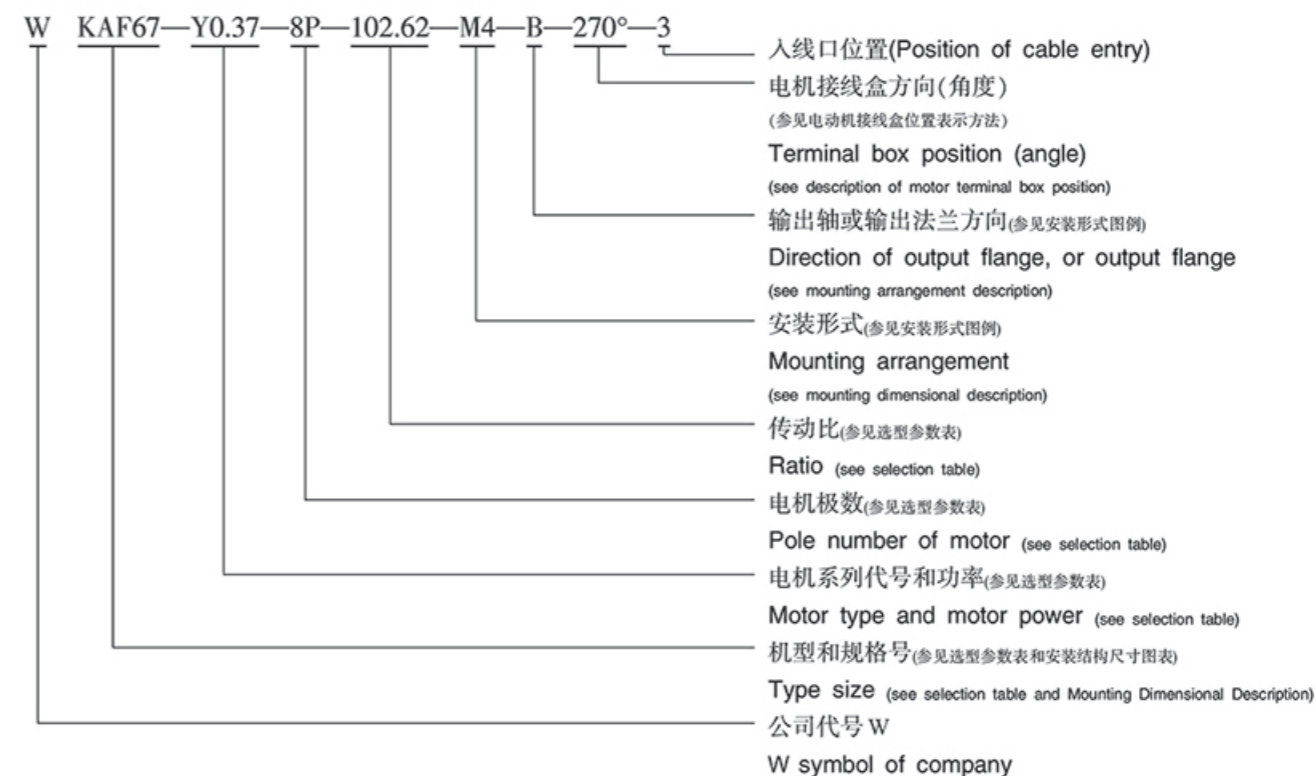


12.WK..R 型:WK 系列和 WR 系列的组合。

Type WK..R: Combined types of type WK and type WR.



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



注:1、需带联接法兰时请注明

2、输入轴型没有电动机各项内容。

3、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.

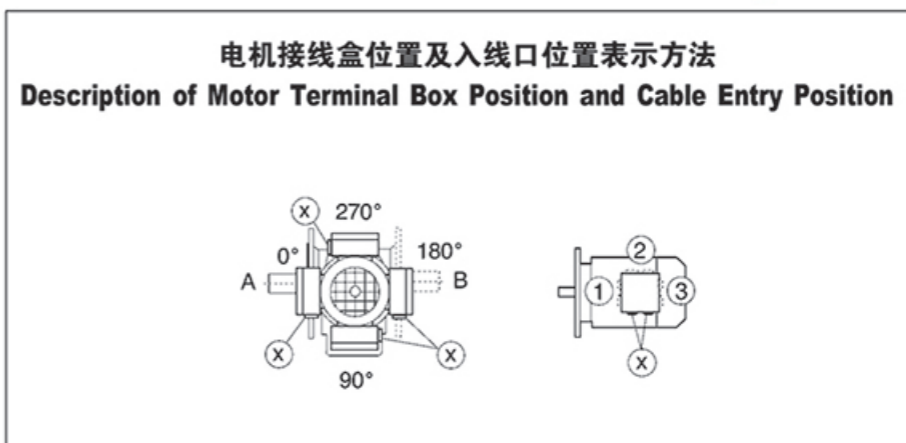
2、Contents of motors for input shaft types are not listed.

3、Degree=0°, if terminal box position is not mentioned. It is X, if cable entry position is not mentioned.

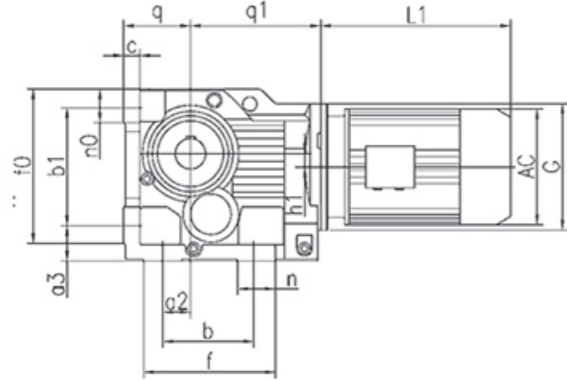
4、If specific rotation directions of output shaft or/and input shaft are specially requested, please contact our technology department, and make detailed description while placing order.

### 电机接线盒位置及入线口位置表示方法

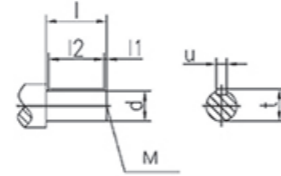
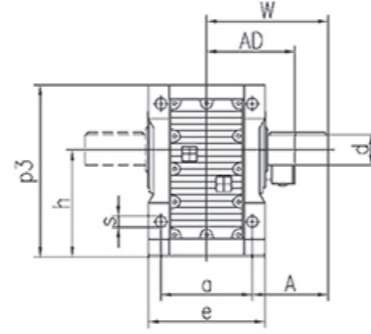
### Description of Motor Terminal Box Position and Cable Entry Position



WK37-157  
安装结构尺寸



WK37-157  
Mounting Dimensional Description

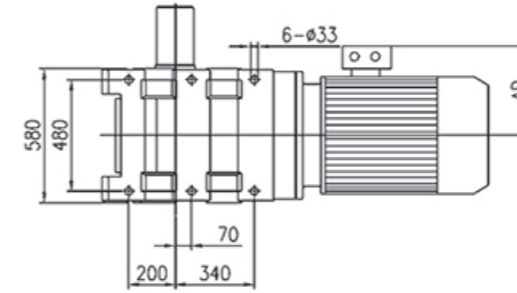


规格 Specification	a	a <sub>2</sub>	b <sub>1</sub>	q <sub>1</sub>	s	d	l <sub>1</sub>	u	w	e	c	f <sub>0</sub>	n	G	电机尺寸 Motor Size			
	b	h	q	h <sub>1</sub>	a <sub>3</sub>	l	l <sub>2</sub>	t	A	p <sub>3</sub>	n <sub>0</sub>	f	M		AC	AD	L1	
WK37	100 110	28 100 <sub>0.5</sub>	115 63 <sub>0.5</sub>	139 8.5	Φ 11 32	Φ 25k6 50	5 40	8 28	110 60	120 165	16 37	150 143	38 M10	Φ 120	见附录 A-2 Please see appendix A-2			
WK47	120 130	35 112 <sub>0.5</sub>	130 71 <sub>0.5</sub>	166 7.2	Φ 11 37	Φ 30k6 60	3.5 50	8 33	135 75	145 185	18 37	170 162	32 M10	Φ 160				
WK57	130 130	30 132 <sub>0.5</sub>	150 80 <sub>0.5</sub>	173 13.1	Φ 13.5 45	Φ 35k6 70	7 56	10 38	153 88	157 217	21 43	190 172	40 M12	Φ 160				
WK67	140 120	30 140 <sub>0.5</sub>	160 90 <sub>0.5</sub>	179 20	Φ 13.5 45	Φ 40k6 80	5 70	12 43	171 101	170 228	24 43	203 170	45 M16	Φ 160				
WK77	165 150	40 180 <sub>0.5</sub>	200 112 <sub>0.5</sub>	202 31.3	Φ 17.5 55	Φ 50k6 100	10 80	14 53.5	206 123.5	200 288	27 55	263 208	55 M16	Φ 200				
WK37	180 180	55 212 <sub>0.5</sub>	233 132 <sub>0.5</sub>	257 25.9	Φ 22 70	Φ 60m6 120	5 110	18 64	240 150	230 340	32 67	305 260	75 M20	Φ 250				
WK97	240 240	75 265 <sub>1</sub>	295 160 <sub>0.5</sub>	277 32.3	Φ 26 75	Φ 70m6 140	7.5 125	20 74.5	291 171	290 417	36 82	372 294	60 M20	Φ 300				
WK107	270 280	95 315 <sub>1</sub>	360 200 <sub>0.5</sub>	341 52	Φ 33 95	Φ 90m6 170	5 160	25 95	347 212	340 503	40 98	448 380	100 M24	Φ 350				
WK127	330 350	115 375 <sub>1</sub>	420 225 <sub>0.5</sub>	390 53	Φ 39 110	Φ 110m6 210	15 180	28 116	418 253	400 592	45 111	526 440	100 M24	Φ 450				
WK157	420 380	140 450 <sub>1</sub>	500 280 <sub>1</sub>	426 71.7	Φ 39 130	Φ 120m6 210	5 200	32 127	457 247	500 705	50 130	634 480	100 M24	Φ 550				

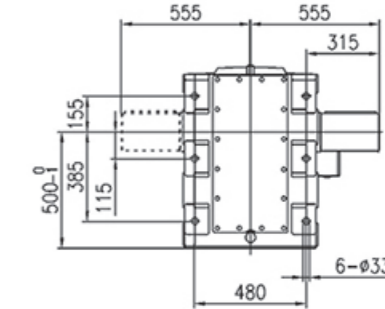
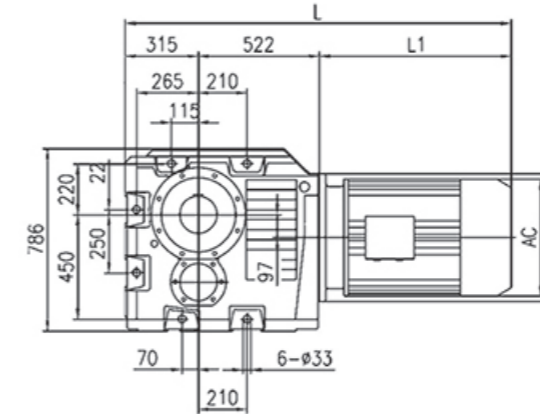
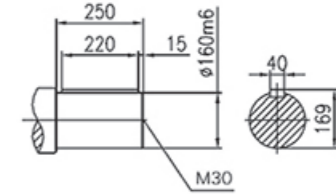
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WK167  
安装结构尺寸



WK167  
Mounting Dimensional Description

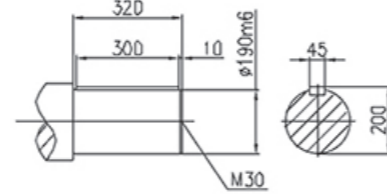
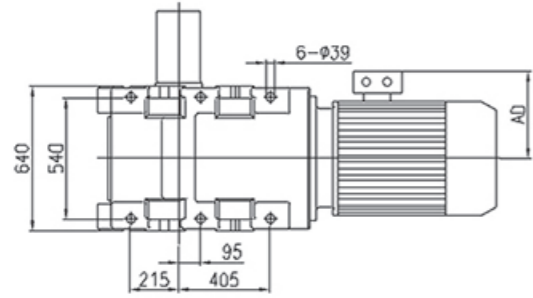


电机座号 Motor fram size	160M	160L	180M	180L	200	225S	225M	250M	280S	280M	315S	315M	315L
AC	330	330	380	380	420	470	470	510	580	580	645	645	645
AD	255	255	280	280	305	335	335	370	410	410	530	530	576
L1	505	560	590	630	660	675	705	770	845	895	1100	1130	1310
L	1342	1397	1427	1467	1497	1512	1542	1607	1682	1732	1937	1967	2147

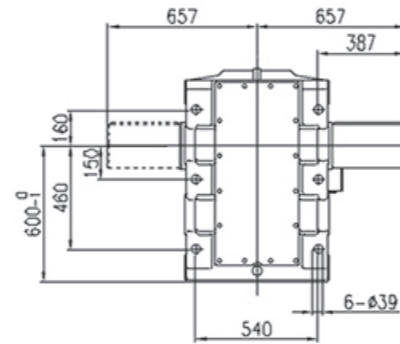
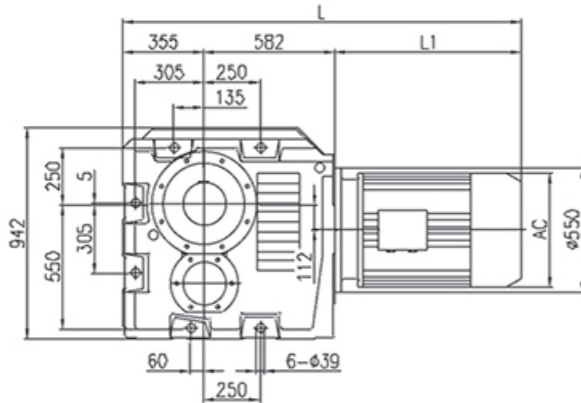
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WK187  
安装结构尺寸



WK187  
Mounting Dimensional Description

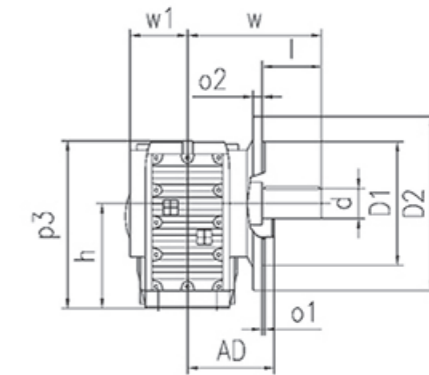
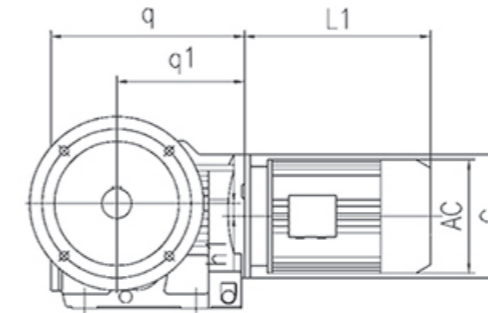


电机机座号 Motor fram size	160L	180M	180L	200	225S	225M	250M	280S	280M	315S	315M	315L
AC	330	380	380	420	470	470	510	580	580	645	645	645
AD	255	280	280	305	335	335	370	410	410	530	530	576
L1	560	590	630	660	675	705	770	845	895	1100	1130	1310
L	1497	1527	1567	1597	1612	1642	1707	1782	1832	2037	2067	2247

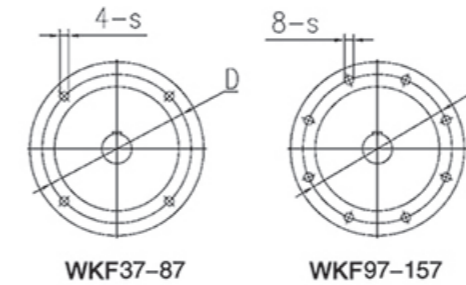
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKF37-157  
安装结构尺寸



WKF37-157  
Mounting Dimensional Description



WKF37-87

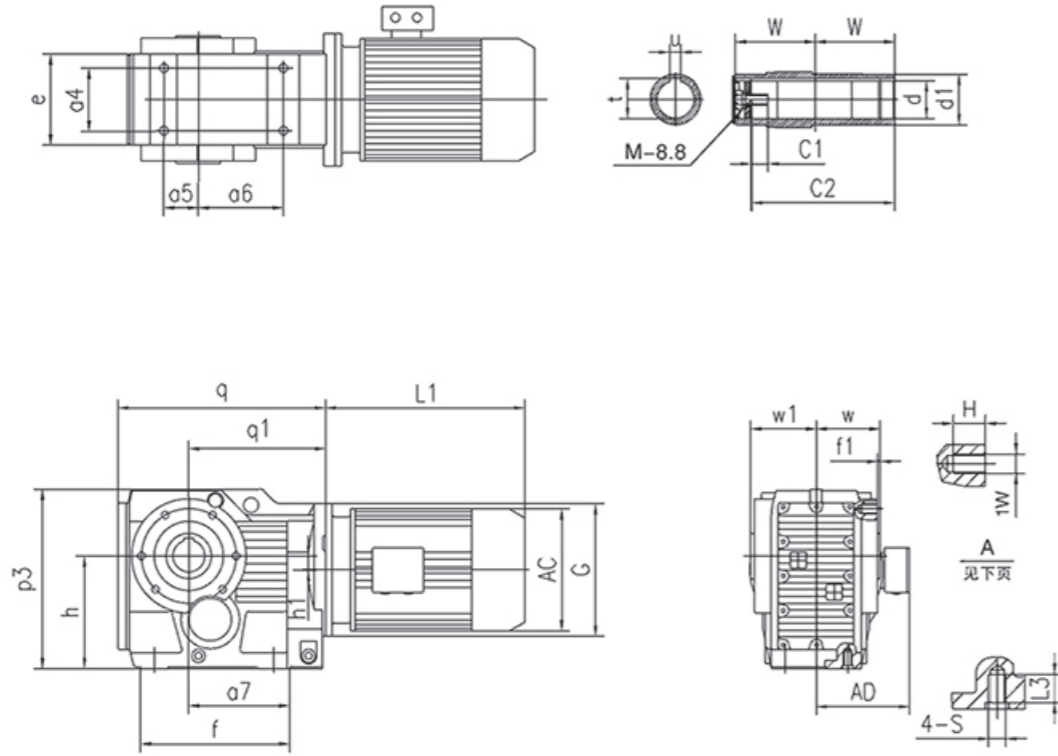
WKF97-157

规格 Specification	s o <sub>2</sub>	q w	q <sub>1</sub> w <sub>1</sub>	h <sub>1</sub> l	D l <sub>1</sub>	D <sub>1</sub> l <sub>2</sub>	D <sub>2</sub> d	h M	p <sub>3</sub> u	o <sub>1</sub> t	G	电机尺寸 Motor Size		
												AC	AD	L1
WKF37	Φ 9 10	210 134	139 57.5	8.5 50	Φ 130 5	Φ 110j6 40	Φ 160 Φ 25k6	100 <sub>±0.5</sub> M10	164 8	3.5 28	Φ 120	见附录 A-2 Please see appendix A-2		
WKF47	Φ 11 10	243 160	166 72	7.2 60	Φ 165 3.5	Φ 130j6 50	Φ 200 Φ 30k6	112 <sub>±0.5</sub> M10	185 8	3.5 33	Φ 160			
WKF57	Φ 13.5 15	269 176.5	173 80	13.1 70	Φ 215 7	Φ 180j6 56	Φ 250 Φ 35k6	132 <sub>±0.5</sub> M12	215 10	4 38	Φ 160			
WKF67	Φ 13.5 15	274 193	179 86.5	20 80	Φ 215 5	Φ 180j6 70	Φ 250 Φ 40k6	140 <sub>±0.5</sub> M16	226 12	4 43	Φ 160			
WKF37	Φ 13.5 16	312 242	202 101	31.3 100	Φ 265 10	Φ 230j6 80	Φ 300 Φ 50k6	180 <sub>±0.5</sub> M16	286 14	4 53.5	Φ 200			
WKF87	Φ 17.5 18	390 270	257 116	25.9 120	Φ 300 5	Φ 250h6 110	Φ 350 Φ 60m6	212 <sub>±0.5</sub> M20	338 18	5 64	Φ 250			
WKF97	Φ 17.5 22	435 332	277 171	32.3 140	Φ 400 7.5	Φ 350h6 125	Φ 450 Φ 70m6	265 <sub>±1</sub> M20	414 20	5 74.5	Φ 300			
WKF107	Φ 17.5 22	537 386	341 175	52 170	Φ 400 5	Φ 350h6 160	Φ 450 Φ 90m6	315 <sub>±1</sub> M24	500 25	5 95	Φ 350			
WKF127	Φ 17.5 25	615 466	390 203	53 210	Φ 500 15	Φ 450h6 180	Φ 550 Φ 110m6	375 <sub>±1</sub> M24	592 28	5 116	Φ 450			
WKF157	Φ 22 28	706 520	426 253	71.7 210	Φ 600 5	Φ 550h6 200	Φ 660 Φ 120m6	450 <sub>±1</sub> M24	705 32	6 127	Φ 550			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKA37-107  
安装结构尺寸

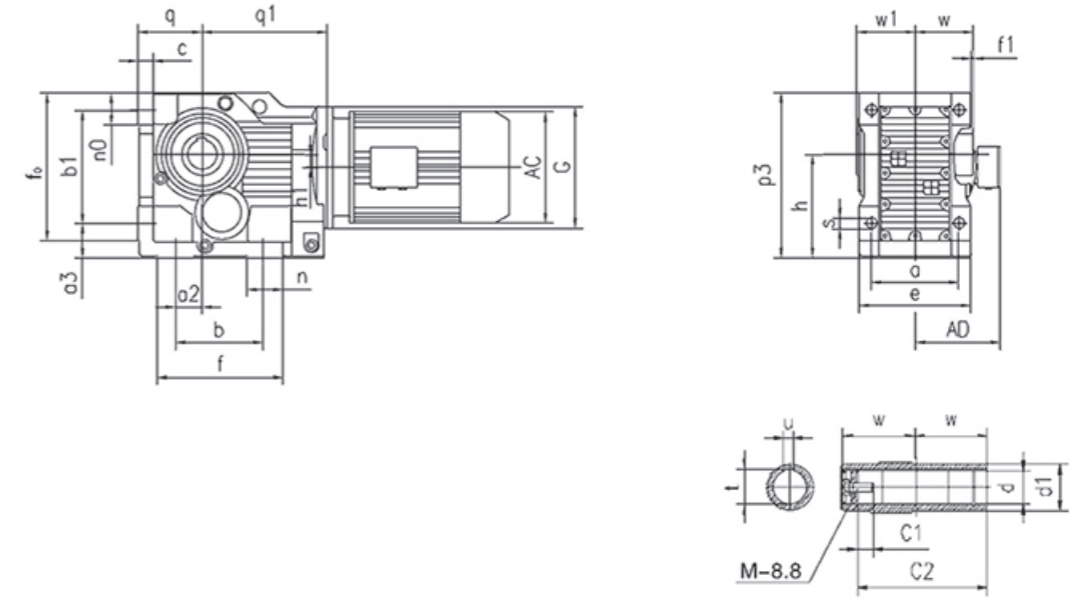


WKA37-107  
Mounting Dimensional Description

规格 Specification	s q	l <sub>3</sub> q <sub>1</sub>	e w	a <sub>4</sub> d	a <sub>5</sub> d <sub>1</sub>	a <sub>6</sub> t	a <sub>7</sub> u	f f <sub>1</sub>	h H	h <sub>1</sub> M <sub>1</sub>	p <sub>3</sub> c <sub>1</sub>	c <sub>2</sub> M	G W <sub>1</sub>	电机尺寸 Motor Size		
														AC	AD	L1
WKA37	M10 210	20 139	100 60	Φ 30H7 Φ 45	35 33.3	82 8	97 8	147 2.5	100 <sub>0.5</sub> 12	8.5 M8	164 17	105 M10x25	Φ 120 63	见附录 A-2 Please see appendix A-2		
WKA47	M10 243	20 166	110 75	Φ 35H7 Φ 50	40 38.3	100 10	115 3	170 12	112 <sub>0.5</sub> 12	7.2 M8	185 22	132 M12x30	Φ 160 78			
WKA57	M12 269	25 173	122 83	Φ 40H7 Φ 55	47 43.3	105 12	120 3	182 20	132 <sub>0.5</sub> 13.1	13.1 M12	215 29	142 M16x40	Φ 160 86			
WKA67	M12 274	25 179	130 90	Φ 40H7 Φ 55	42 43.3	110 12	125 3.5	182 20	140 <sub>0.5</sub> 20	20 M12	226 29	156 M16x40	Φ 160 94			
WKA77	M16 312	32 202	156 105	Φ 50H7 Φ 70	48 53.8	122 14	139 4	204 20	180 <sub>0.5</sub> 20	31.3 M12	286 32	183 M16x45	Φ 200 108			
WKA87	M16 390	32 257	170 120	Φ 60H7 Φ 85	65 64.4	160 18	190 4	280 26	212 <sub>0.5</sub> 25.9	25.9 M16	338 36	210 M20x50	Φ 250 123			
WKA97	M20 435	36 277	226 150	Φ 70H7 Φ 95	83 74.9	165 20	190 4	298 4	265 <sub>1</sub> 26	32.3 M16	414 34	270 M20x50	Φ 300 153			
WKA107	M24 537	44 341	266 175	Φ 90H7 Φ 118	100 95.4	190 25	230 2.5	370 /	315 <sub>1</sub> /	52 /	500 40	313 M24x60	Φ 350 178			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)  
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WKA127-157  
安装结构尺寸

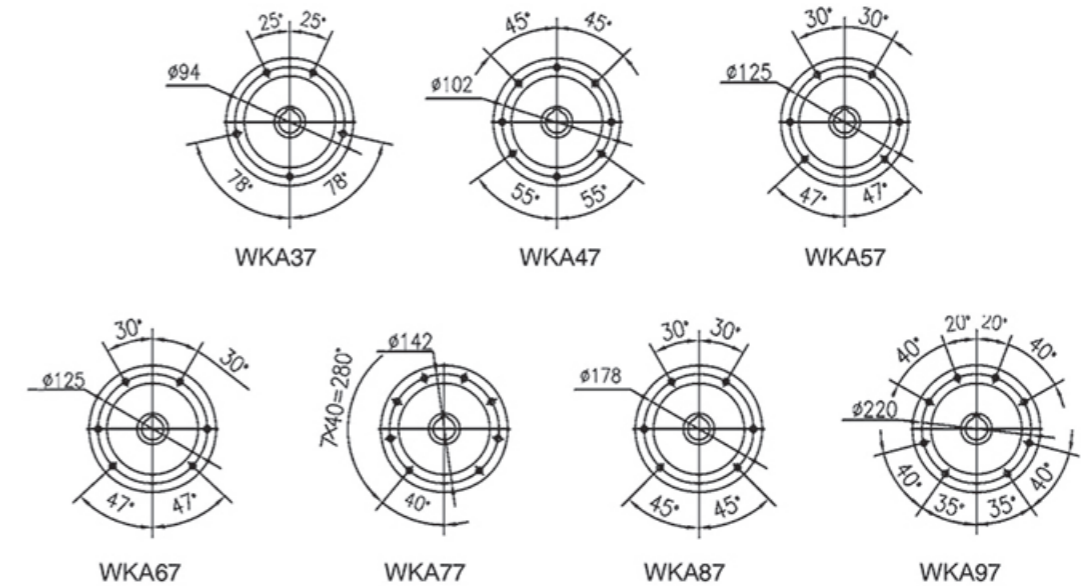


WKA127-157  
Mounting Dimensional Description

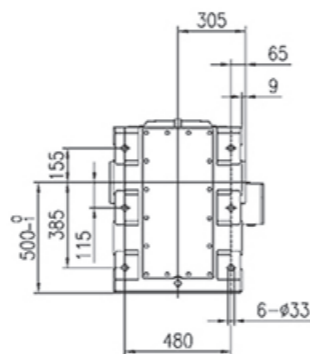
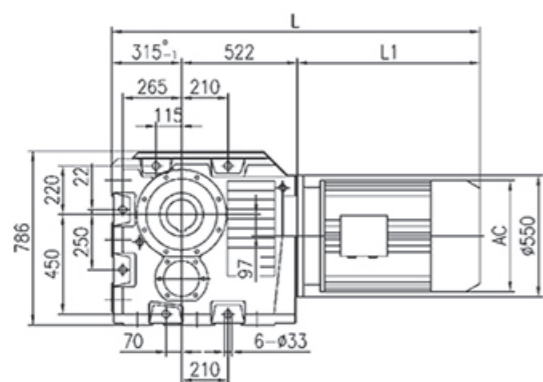
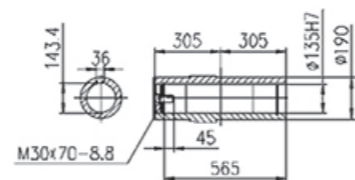
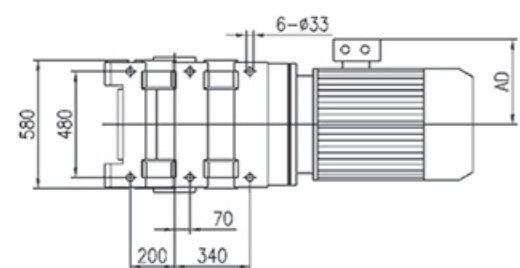
规格 Specification	s b	p <sub>3</sub> a <sub>2</sub>	h n	a f <sub>0</sub>	e a <sub>3</sub>	f <sub>1</sub> b <sub>1</sub>	w n <sub>0</sub>	d h <sub>1</sub>	d <sub>1</sub> c	t q	u q <sub>1</sub>	f c <sub>1</sub>	c <sub>2</sub> M	G W <sub>1</sub>	电机尺寸 Motor Size		
															AC	AD	L1
WKA127	Φ 39 350	592 115	375.1 100	330 526	400 110	2.5 420	205 111	Φ 100H7 53	Φ 135 45	106.4 225 <sub>0.5</sub>	28 390	440 38	373 M24x60	Φ 450 208	见附录 A-2 Please see appendix A-2		
WKA157	Φ 39 380	705 140	450.1 100	420 634	500 130	7 500	250 130	Φ 120H7 71.7	Φ 155 50	127.4 280.1	32 426	480 36	460 M24x60	Φ 550 253			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)  
Note: 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)



WKA167  
安装结构尺寸

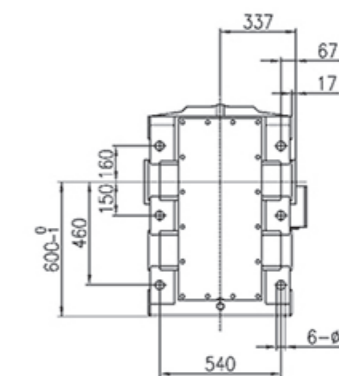
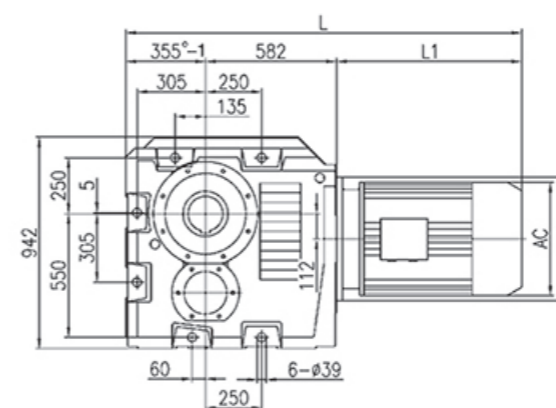
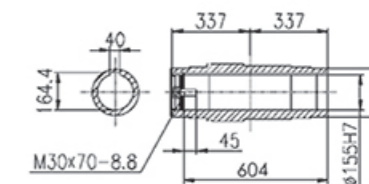
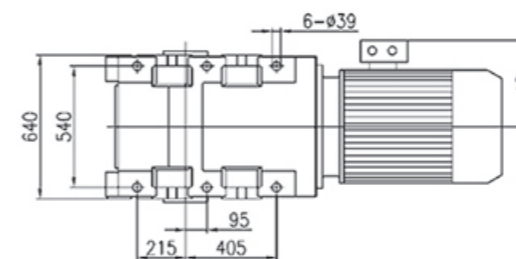


电机机座号 Motor fram size	160M	160L	180M	180L	200	225S	225M	250M	280S	280M	315S	315M	315L
AC	330	330	380	380	420	470	470	510	580	580	645	645	645
AD	255	255	280	280	305	335	335	370	410	410	530	530	576
L1	505	560	590	630	660	675	705	770	845	895	1100	1130	1310
L	1342	1397	1427	1467	1497	1512	1542	1607	1682	1732	1937	1967	2147

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKA187  
安装结构尺寸



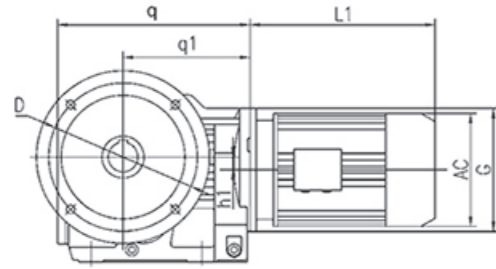
电机机座号 Motor fram size	160L	180M	180L	200	225S	225M	250M	280S	280M	315S	315M	315L
AC	330	380	380	420	470	470	510	580	580	645	645	645
AD	255	280	280	305	335	335	370	410	410	530	530	576
L1	560	590	630	660	675	705	770	845	895	1100	1130	1310
L	1497	1527	1567	1597	1612	1642	1707	1782	1832	2037	2067	2247

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

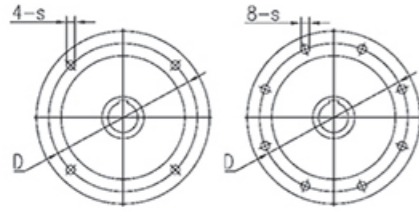
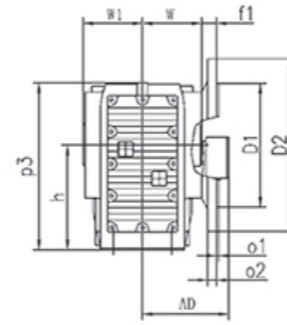
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)



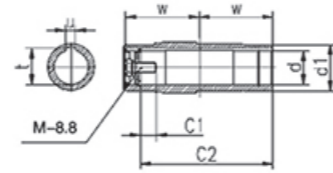
WKAF37-157  
安装结构尺寸



WKAF37-157  
Mounting Dimensional Description



WKAF37-87 WKAF97-157

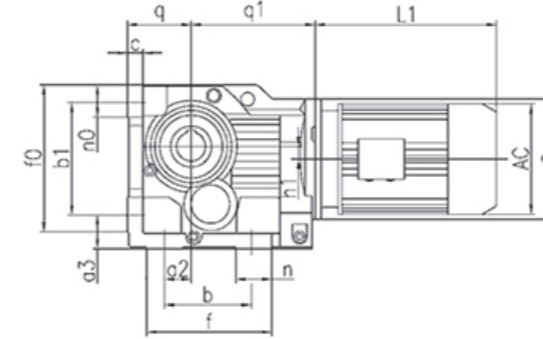


规格 Specification	s o <sub>1</sub>	q o <sub>2</sub>	q <sub>1</sub> w	h <sub>1</sub> f <sub>1</sub>	D d	D <sub>1</sub> d <sub>1</sub>	D <sub>2</sub> u	h t	p <sub>3</sub> c <sub>1</sub>	c <sub>2</sub> M	G W <sub>1</sub>	电机尺寸 Motor Size			
												AC	AD	L1	
WKAF37	Φ 9 3.5	210 10	139 60	8.5 24	Φ 130 Φ 30H7	Φ 110j6 Φ 45	Φ 160 8	100 <sub>-0.5</sub> 33.3	164 17	105 M10x25	Φ 120 63	见附录 A-2 Please see appendix A-2	AC	AD	L1
WKAF47	Φ 11 3.5	243 10	166 75	7.2 25	Φ 165 Φ 35H7	Φ 130j6 Φ 50	Φ 200 10	112 <sub>-0.5</sub> 38.3	185 22	132 M12x30	Φ 160 78				
WKAF57	Φ 13.5 4	269 15	173 83	13.1 23.5	Φ 215 Φ 40H7	Φ 180j6 Φ 55	Φ 250 12	132 <sub>-0.5</sub> 43.3	215 29	142 M16x40	Φ 160 86				
WKAF67	Φ 13.5 4	274 15	179 90	20 23	Φ 215 Φ 40H7	Φ 180j6 Φ 55	Φ 250 12	140 <sub>-0.5</sub> 43.3	226 29	156 M16x40	Φ 160 94				
WKAF77	Φ 13.5 4	312 16	202 105	31.3 37	Φ 265 Φ 50H7	Φ 230j6 Φ 70	Φ 300 14	180 <sub>-0.5</sub> 53.8	286 32	183 M16x45	Φ 200 108				
WKAF87	Φ 17.5 5	390 18	257 120	25.9 30	Φ 300 Φ 60H7	Φ 250h6 Φ 85	Φ 350 18	212 <sub>-0.5</sub> 64.4	338 36	210 M20x50	Φ 250 123				
WKAF97	Φ 17.5 5	435 22	277 150	32.3 41.5	Φ 400 Φ 70H7	Φ 350h6 Φ 95	Φ 450 20	265 <sub>-1</sub> 74.9	414 34	270 M20x50	Φ 300 153				
WKAF107	Φ 17.5 5	537 22	341 175	52 41	Φ 400 Φ 90H7	Φ 350h6 Φ 118	Φ 450 25	315 <sub>-1</sub> 95.4	500 40	313 M24x60	Φ 350 178				
WKAF127	Φ 17.5 5	615 25	390 205	53 51	Φ 500 Φ 100H7	Φ 450h6 Φ 135	Φ 550 28	375 <sub>-1</sub> 106.4	592 38	373 M24x60	Φ 450 208				
WKAF157	Φ 22 6	706 28	426 250	71.7 60	Φ 600 Φ 120H7	Φ 550h6 Φ 155	Φ 660 32	450 <sub>-1</sub> 127.4	705 36	460 M24x60	Φ 550 253				

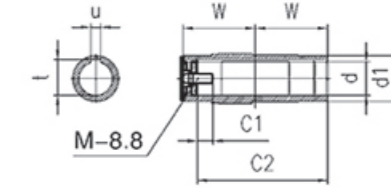
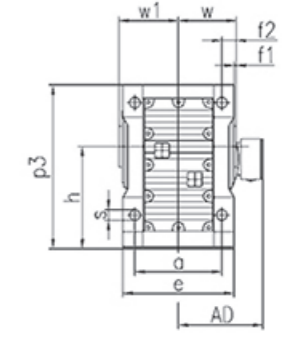
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKAB47-107  
安装结构尺寸



WKAB47-107  
Mounting Dimensional Description



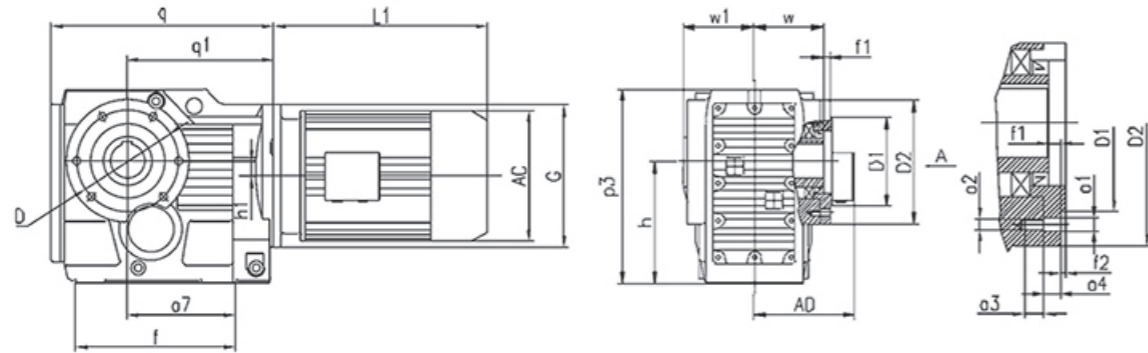
规格 Specification	s b	p <sub>3</sub> a <sub>2</sub>	h n	a f <sub>0</sub>	e a <sub>3</sub>	f <sub>1</sub> b <sub>1</sub>	w n <sub>0</sub>	d h <sub>1</sub>	d <sub>1</sub> c	t q	u q <sub>1</sub>	f f <sub>2</sub>	c <sub>1</sub> c <sub>2</sub>	W <sub>1</sub> M	G	电机尺寸 Motor Size			
																AC	AD	L1	
WKAB47	Φ 11 130	185 35	112 <sub>-0.5</sub> 32	120 170	145 37	3 130	75 37	Φ 35H7 7.2	Φ 50 18	38.3 71 <sub>-0.5</sub>	10 166	162 15	22 132	78 M12x30	Φ 160	见附录 A-2 Please see appendix A-2	AC	AD	L1
WKAB57	Φ 13.5 130	217 30	132 <sub>-0.5</sub> 40	130 190	157 45	3 150	83 43	Φ 40H7 13.1	Φ 55 21	43.3 80 <sub>-0.5</sub>	12 173	172 18	29 142	86 M16x40	Φ 160				
WKAB67	Φ 13.5 120	228 30	140 <sub>-0.5</sub> 45	140 203	170 45	3.5 160	90 43	Φ 40H7 20	Φ 55 24	43.3 90 <sub>-0.5</sub>	12 179	170 20	29 156	93 M16x40	Φ 160				
WKAB77	Φ 17.5 150	288 40	180 <sub>-0.5</sub> 55	165 263	200 55	4 200	105 55	Φ 50H7 31.3	Φ 70 27	53.8 112 <sub>-0.5</sub>	14 202	208 22.5	32 183	108 M16x45	Φ 200				
WKAB87	Φ 22 180	340 55	212 <sub>-0.5</sub> 75	180 305	230 70	4 233	120 67	Φ 60H7 25.9	Φ 85 32	64.4 132 <sub>-0.5</sub>	18 257	260 30	36 210	123 M20x50	Φ 250				
WKAB97	Φ 26 240	417 75	265 <sub>-1</sub> 60	240 372	290 75	4 295	150 82	Φ 70H7 32.3	Φ 95 36	74.9 160 <sub>-0.5</sub>	20 277	294 30	34 270	153 M20x50	Φ 300				
WKAB107	Φ 33 280	503 95	315 <sub>-1</sub> 100	270 448	340 95	2.5 360	175 98	Φ 90H7 52	Φ 118 40	95.4 200 <sub>-0.5</sub>	25 341	380 40	40 313	178 M24x60	Φ 350				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

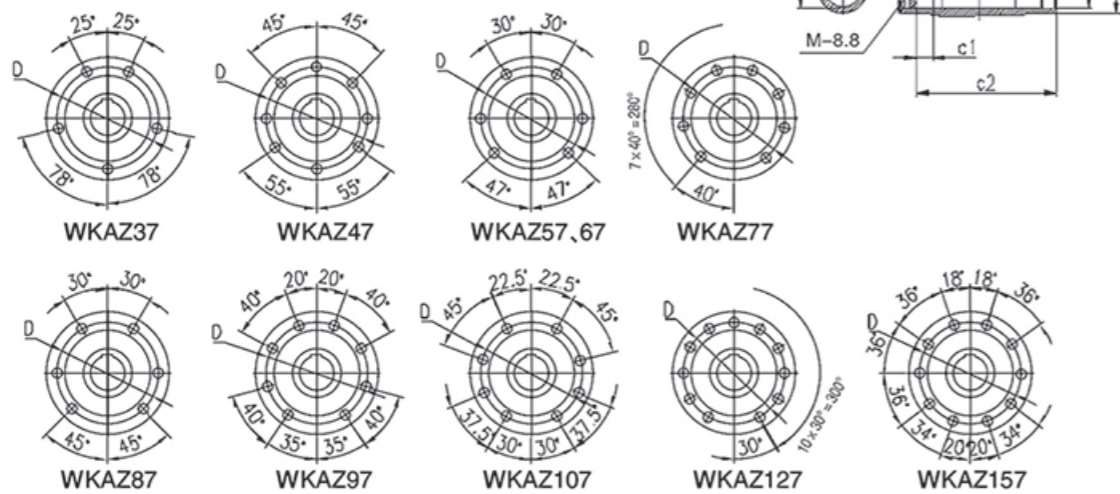
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WKAZ37-157  
安装结构尺寸

WKAZ37-157  
Mounting Dimensional Description



A向法兰安装结构尺寸 (Fig.A Mounting Dimension)



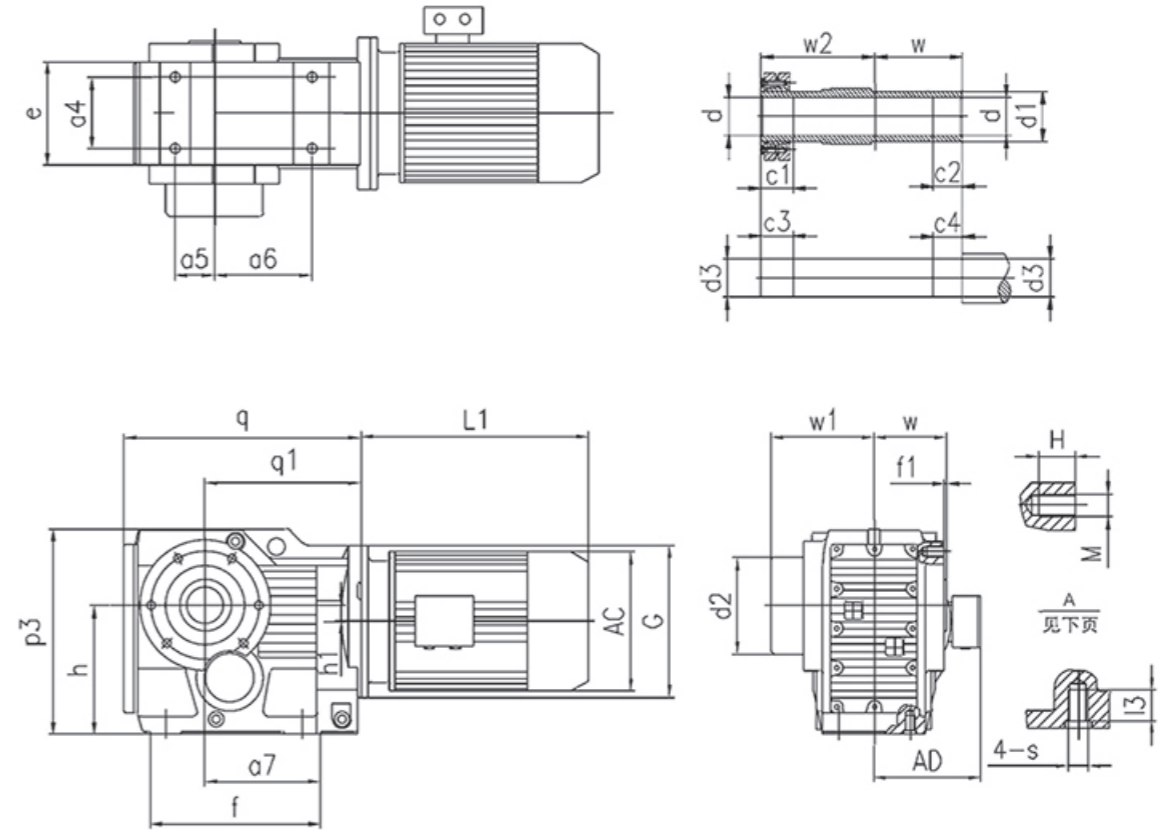
规格 Specification	q q1	D1 D2	h h1	p3 a7	f f1	w w1	d d1	c2 c1	t u	a3 a4	f2 a2	a1 D	G M	电机尺寸 Motor Size		
														AC	AD	L1
WKAZ37	210 139	Φ 80j6 Φ 110	100 <sub>-0.5</sub> 8.5	164 97	147 9	60 63	Φ 30H7 Φ 45	105 17	33.3 8	12 11.5	3 M8	Φ 9 Φ 94	Φ 120 M10x25	见附录 A-2 Please see appendix A-2		
WKAZ47	243 166	Φ 80j6 Φ 120	112 <sub>-0.5</sub> 7.2	185 115	170 8.5	75 78	Φ 35H7 Φ 50	132 22	38.3 10	12 11	3 M8	Φ 9 Φ 102	Φ 160 M12x30			
WKAZ57	269 173	Φ 105j6 Φ 155	132 <sub>-0.5</sub> 13.1	215 120	182 9	83 86	Φ 40H7 Φ 55	142 29	43.3 12	20 12	3.5 M12	Φ 13.5 Φ 125	Φ 160 M16x40			
WKAZ67	274 179	Φ 105j6 Φ 155	140 <sub>-0.5</sub> 20	226 125	182 8.5	90 94	Φ 40H7 Φ 55	156 29	43.3 12	20 12	3.5 M12	Φ 13.5 Φ 125	Φ 160 M16x40			
WKAZ77	312 202	Φ 125j6 Φ 170	180 <sub>-0.5</sub> 31.3	286 139	204 10	105 108	Φ 50H7 Φ 70	183 32	53.8 14	20 14	3.5 M12	Φ 13.5 Φ 142	Φ 200 M16x45			
WKAZ87	390 257	Φ 155j6 Φ 215	212 <sub>-0.5</sub> 25.9	338 190	280 11	120 123	Φ 60H7 Φ 85	210 36	64.4 18	26.15	4 M16	Φ 17.5 Φ 178	Φ 250 M20x50			
WKAZ97	435 277	Φ 180j6 Φ 260	265 <sub>-1.0</sub> 32.3	414 190	298 14	150 153	Φ 70H7 Φ 95	270 34	74.9 20	26.18	4 M16	Φ 17.5 Φ 220	Φ 300 M20x50			
WKAZ107	537 341	Φ 210j6 Φ 304	315 <sub>-1.0</sub> 52	500 230	370 -8	175 178	Φ 90H7 Φ 118	313 40	95.4 25	30 22	4 M20	Φ 22 Φ 260	Φ 350 M24x60			
WKAZ127	615 390	Φ 250h6 Φ 350	375 <sub>-1.0</sub> 53	592 288	440 0	205 208	Φ 100H7 Φ 135	373 38	106.4 28	28 30	5 M20	Φ 22 Φ 300	Φ 450 M24x60			
WKAZ157	706 426	Φ 290h6 Φ 400	450 <sub>-1.0</sub> 71.7	705 298	480 -14	250 253	Φ 120H7 Φ 155	460 36	127.4 32	36 28	5 M24	Φ 26 Φ 340	Φ 550 M24x60			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKH37-107  
安装结构尺寸

WKH37-107  
Mounting Dimensional Description

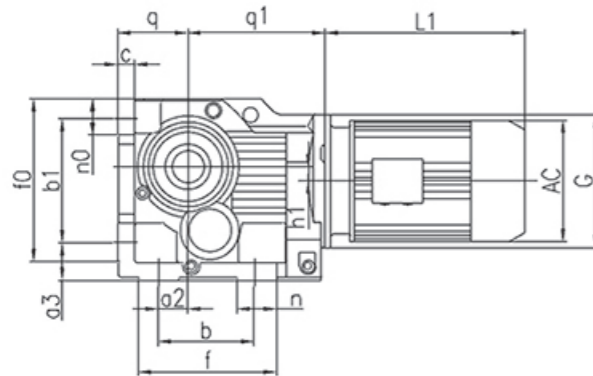


规格 Specification	q q1	h h1	e p3	a4 a5	a6 a7	f f1	d2 d1	d d3	w w1	w2 G	c1 c2	c3 c4	s ls	M H	电机尺寸 Motor Size		
															AC	AD	L1
WKH37	210 139	100 <sub>-0.5</sub> 8.5	100 164	60 35	82 97	147 2.5	Φ 75 Φ 45	Φ 30H7 Φ 30h6	60 95	86 Φ 120	31 20	36 25	M10 20	M8 12	见附录 A-2 Please see appendix A-2		
WKH47	243 166	112 <sub>-0.5</sub> 7.2	110 185	70 40	100 115	170 3	Φ 83 Φ 50	Φ 35H7 Φ 35h6	75 Φ 160	102 Φ 160	32 20	37 25	M10 20	M8 12			
WKH57	269 173	132 <sub>-0.5</sub> 13.1	122 215	88 47	105 120	182 3	Φ 83 Φ 55	Φ 40H7 Φ 40h6	83 117	112 Φ 160	26 20	31 25	M12 25	M12 20			
WKH67	274 179	140 <sub>-0.5</sub> 20	130 226	88 42	110 125	182 3.5	Φ 93 Φ 55	Φ 40H7 Φ 40h6	90 126	118 Φ 160	38 20	43 25	M12 25	M12 20			
WKH77	312 202	180 <sub>-0.5</sub> 31.3	154 286	102 48	122 139	204 4	Φ 114 Φ 70	Φ 50H7 Φ 50h6	105 146	136 Φ 200	36 30	41 35	M16 32	M12 20			
WKH87	390 257	212 <sub>-0.5</sub> 25.9	170 338	118 65	160 190	280 4	Φ 159 Φ 85	Φ 65H7 Φ 65h6	120 170	161 Φ 250	41 40	46 45	M16 32	M16 26			
WKH97	435 277	265 <sub>-1.0</sub> 32.3	226 414	160 83	165 190	298 4	Φ 174 Φ 95	Φ 75H7 Φ 75h6	150 206	195 Φ 300	55 50	60 55	M20 36	M16 26			
WKH107	537 341	315 <sub>-1.0</sub> 52	266 500	190 100	190 230	370 2.5	Φ 200 Φ 118	Φ 95H7 Φ 95h6	175 245	230 Φ 350	65 60	75 70	M24 44	/ /			

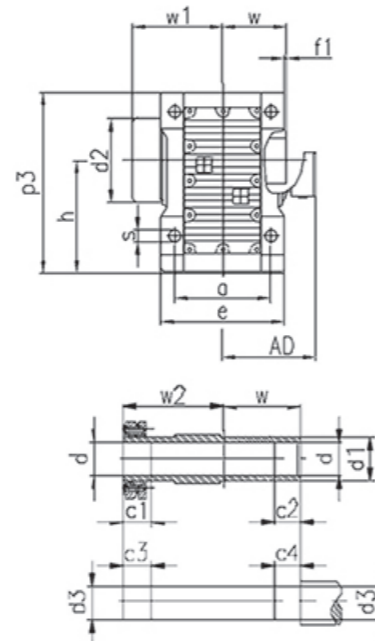
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKH127-157  
安装结构尺寸



WKH127-157  
Mounting Dimensional Description

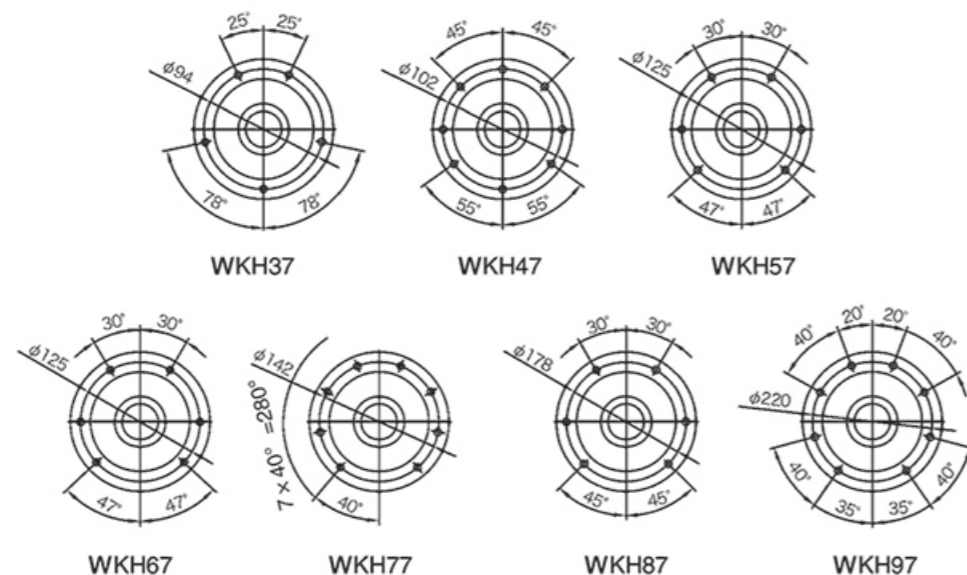


规格 Specification	q <sub>1</sub>	c	n <sub>0</sub>	f <sub>0</sub>	f	a <sub>2</sub>	h	a	w	w <sub>2</sub>	c <sub>1</sub>	c <sub>2</sub>	c <sub>3</sub>	c <sub>4</sub>	d <sub>2</sub>	d	h <sub>1</sub>	电机尺寸 Motor Size		
	q	s	b <sub>1</sub>	a <sub>3</sub>	n	b	p <sub>3</sub>	e	w <sub>1</sub>	f <sub>1</sub>	c <sub>2</sub>	c <sub>4</sub>	d <sub>1</sub>	d <sub>3</sub>	G	AC	AD	L1		
WKH127	390 225 <sub>±0.5</sub>	45 Φ39	111 420	526 110	440 100	115 350	375.1 592	330 400	205 296	280 2.5	85 70	95 80	Φ233 Φ135	Φ105H7 Φ105h6	53 Φ450	见附录 A-2 Please see appendix A-2				
WKH157	426 280 <sub>±1</sub>	50 Φ39	130 500	634 130	480 100	140 380	450.1 705	420 500	250 370	330 /	90 80	100 90	Φ315 Φ155	Φ125H7 Φ125h6	71.7 Φ550	见附录 A-2 Please see appendix A-2				

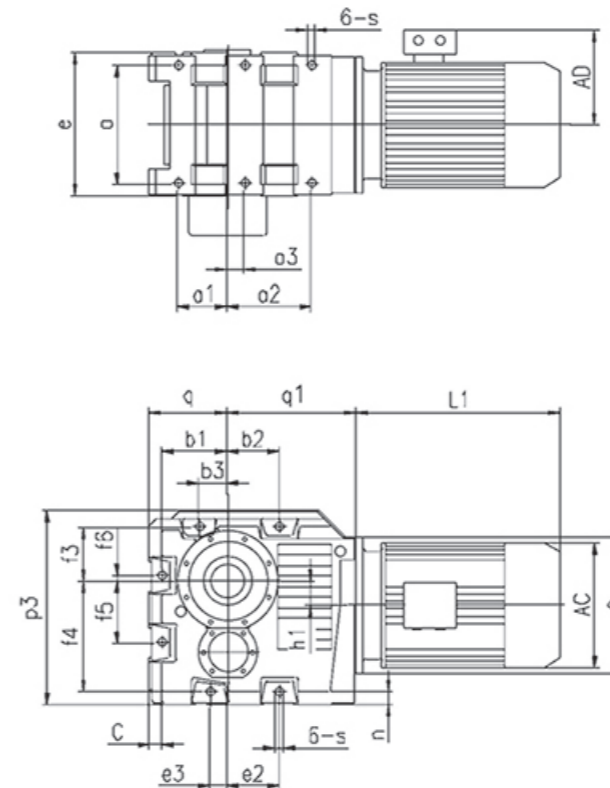
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

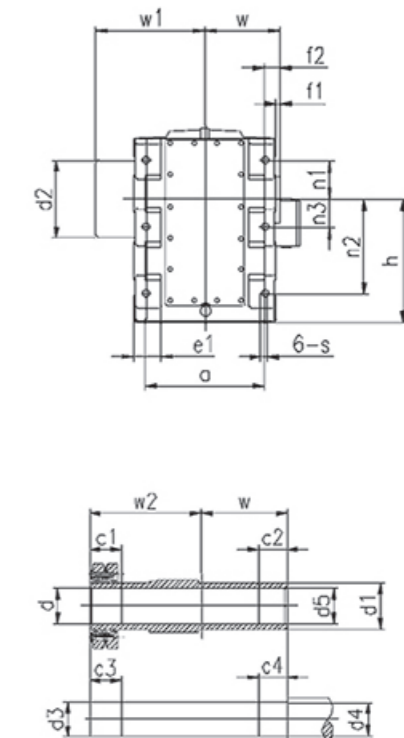
A向法兰安装结构尺寸 (Fig.A Mounting Dimension)



WKH167-187  
安装结构尺寸



WKH167-187  
Mounting Dimensional Description

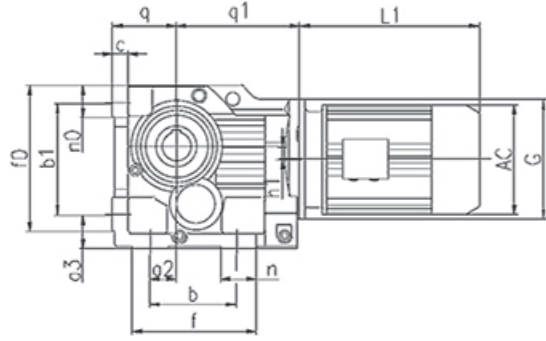


规格 Specification	a <sub>1</sub>	p <sub>3</sub>	b <sub>1</sub>	f <sub>3</sub>	f <sub>6</sub>	e <sub>2</sub>	a	h	n <sub>3</sub>	c <sub>1</sub>	c <sub>4</sub>	w <sub>2</sub>	d	d <sub>4</sub>	电机尺寸 Motor Size		
	a <sub>2</sub>	q	b <sub>2</sub>	f <sub>4</sub>	f <sub>5</sub>	e <sub>3</sub>	f <sub>1</sub>	n <sub>2</sub>	e	c <sub>2</sub>	c <sub>3</sub>	w	d <sub>5</sub>	d <sub>3</sub>	G	AC	AD
WKH167	200 340 70	786 315.1 522	265 210 115	220 450 250	22 97 50	210 70 50	480 65 9	500.1 155 385	115 580 104	122 90 130	100 305 442	423 Φ33 Φ315	Φ135H7 Φ140H7 Φ135h6	Φ140h6 Φ190 Φ550	见附录 A-2 Please see appendix A-2		
WKH187	215 405 95	942 355.1 582	305 250 135	250 550 305	5 112 50	250 60 50	540 67 10.5	600.1 160 460	150 640 110	117 95 130	105 337 474	455 Φ39 Φ373	Φ155H7 Φ160H7 Φ155h6	Φ160h6 Φ200 Φ550	见附录 A-2 Please see appendix A-2		

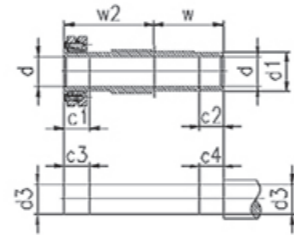
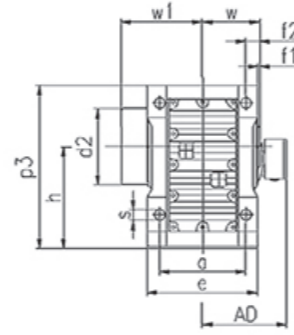
注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKHB47-107  
安装结构尺寸



WKHB47-107  
Mounting Dimensional Description

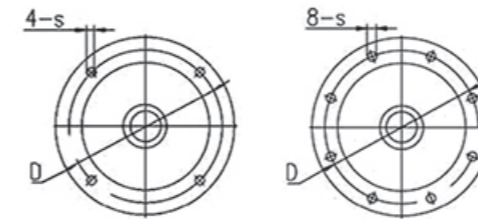
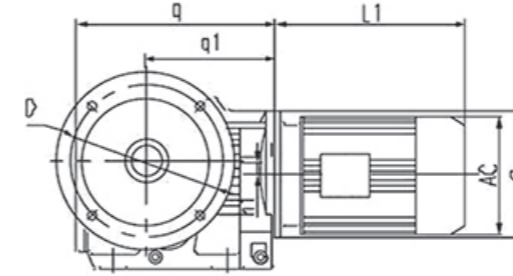


规格 Specification	q q1	s b	p3 a2	h n	a b1	e a3	f0 f1	w n0	d d3	c h1	d1 d2	f f2	c1 c2	c3 c4	w1 w2	G	电机尺寸 Motor Size				
																	AC	AD	L1		
WKHB47	71-0.5 166	Φ 11 130	185 35	112-0.5 32	120 130	145 37	170 3	75 37	Φ 35H7 Φ 35h6	18 7.2	Φ 50 Φ 83	162 15	32 20	37 25	110 102	Φ 160	见附录 A-2 Please see appendix A-2				
WKHB57	80-0.5 173	Φ 13.5 130	217 30	132-0.5 40	130 150	157 45	190 3	83 43	Φ 40H7 Φ 40h6	21 13.1	Φ 55 Φ 83	172 18	26 20	31 25	117 112	Φ 160					
WKHB67	90-0.5 179	Φ 13.5 120	228 30	140-0.5 45	140 160	170 45	203 3.5	90 43	Φ 40H7 Φ 40h6	24 20	Φ 55 Φ 93	170 20	38 20	43 25	126 118	Φ 160					
WKHB77	112-0.5 202	Φ 17.5 150	288 40	180-0.5 55	165 200	200 55	263 4	105 55	Φ 50H7 Φ 50h6	27 31.3	Φ 70 Φ 114	208 22.5	36 30	41 35	146 136	Φ 200					
WKHB87	132-0.5 257	Φ 22 180	340 55	212-0.5 75	180 233	230 70	305 4	120 67	Φ 65H7 Φ 65h6	32 25.9	Φ 85 Φ 159	260 30	41 40	46 45	170 161	Φ 250					
WKHB97	160-0.5 277	Φ 26 240	417 75	265.1 60	240 295	290 75	372 4	150 82	Φ 75H7 Φ 75h6	36 32.3	Φ 95 Φ 174	294 30	55 50	60 55	206 195	Φ 300					
WKHB107	200-0.5 341	Φ 33 280	503 95	315.1 100	270 360	340 95	448 2.5	175 98	Φ 95H7 Φ 95h6	40 52	Φ 118 Φ 200	380 40	65 60	75 70	245 230	Φ 350					

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

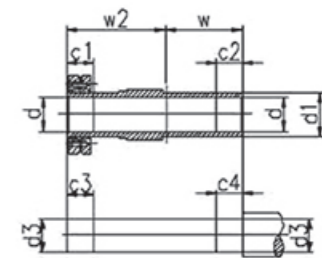
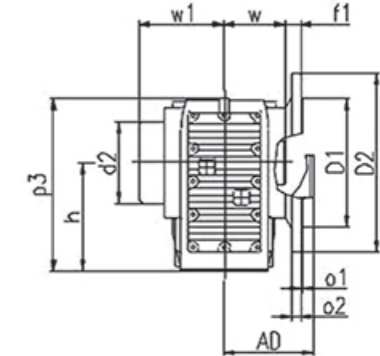
WKHF37-157  
安装结构尺寸



WKHF37-87

WKHF97-157

WKHF37-157  
Mounting Dimensional Description



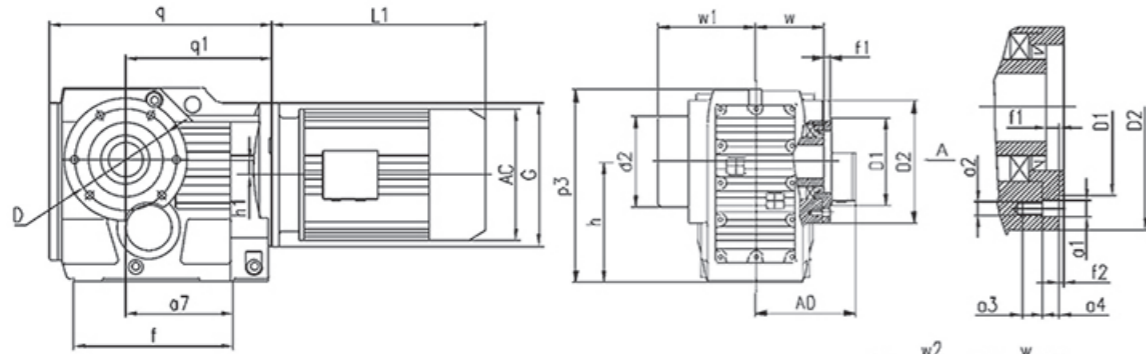
规格 Specification	q q1	h h1	o1 o2	s f1	w1 w	w2 c1	c2 c3	c4 D	D1 D2	d1 d3	d d2	p3 G	电机尺寸 Motor Size				
													AC	AD	L1		
WKHF37	210 139	100-0.5 8.5	3.5 10	Φ 9 24	95 60	86 31	20 36	25 Φ 130	Φ 110j6 Φ 160	Φ 45 Φ 30h6	Φ 30H7 Φ 75	164 Φ 120	见附录 A-2 Please see appendix A-2				
WKHF47	243 166	112-0.5 7.2	3.5 10	Φ 11 25	110 75	102 32	20 37	25 Φ 165	Φ 130j6 Φ 200	Φ 50 Φ 35h6	Φ 35H7 Φ 83	185 Φ 160					
WKHF57	269 173	132-0.5 13.1	4 15	Φ 13.5 23.5	117 83	112 26	20 31	25 Φ 215	Φ 180j6 Φ 250	Φ 55 Φ 40h6	Φ 40H7 Φ 83	215 Φ 160					
WKHF67	274 179	140-0.5 20	4 15	Φ 13.5 23	126 90	118 38	20 43	25 Φ 215	Φ 180j6 Φ 250	Φ 55 Φ 40h6	Φ 40H7 Φ 93	226 Φ 160					
WKHF77	312 202	180-0.5 31.3	4 16	Φ 13.5 37	146 105	136 36	30 41	35 Φ 265	Φ 230j6 Φ 300	Φ 70 Φ 50h6	Φ 50H7 Φ 114	286 Φ 200					
WKHF87	390 257	212-0.5 25.9	5 18	Φ 17.5 30	170 120	161 41	40 46	45 Φ 300	Φ 250h6 Φ 350	Φ 85 Φ 65h6	Φ 65H7 Φ 159	338 Φ 250					
WKHF97	435 277	265.1 32.3	5 22	Φ 17.5 41.5	206 150	195 55	50 60	55 Φ 400	Φ 350h6 Φ 450	Φ 95 Φ 75h6	Φ 75H7 Φ 174	414 Φ 300					
WKHF107	537 341	315.1 52	5 22	Φ 17.5 41	245 175	230 65	60 75	70 Φ 400	Φ 350h6 Φ 450	Φ 118 Φ 95h6	Φ 95H7 Φ 200	500 Φ 350					
WKHF127	615 390	375.1 53	5 25	Φ 17.5 51	296 205	280 85	70 95	80 Φ 500	Φ 450h6 Φ 550	Φ 135 Φ 105h6	Φ 105H7 Φ 233	592 Φ 450					
WKHF157	706 426	450.1 71.7	6 28	Φ 22 60	370 250	330 90	80 100	90 Φ 600	Φ 550h6 Φ 660	Φ 155 Φ 125h6	Φ 125H7 Φ 315	705 Φ 550					

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

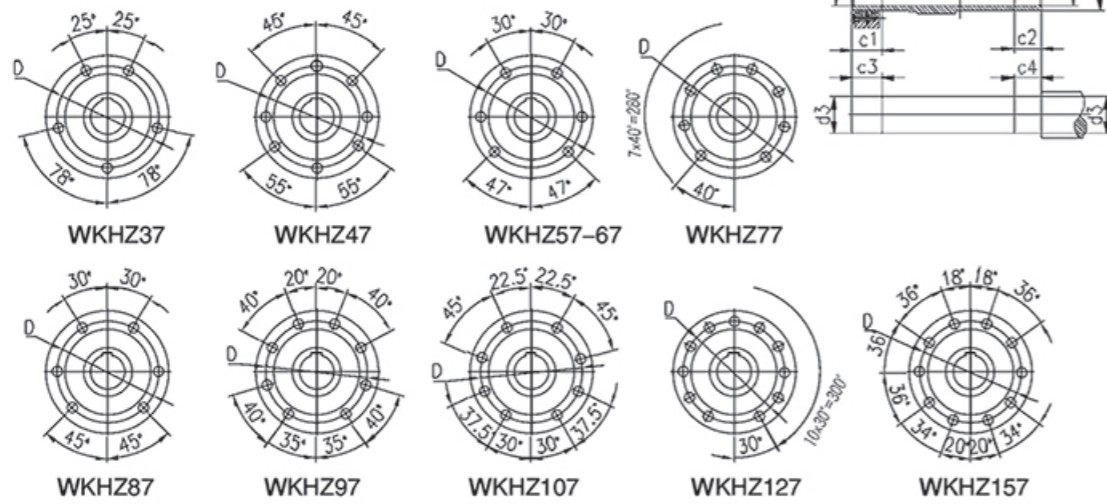
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WKHZ37-157  
安装结构尺寸

WKHZ37-157  
Mounting Dimensional Description



A向法兰安装结构尺寸 (Fig.A Mounting Dimension)



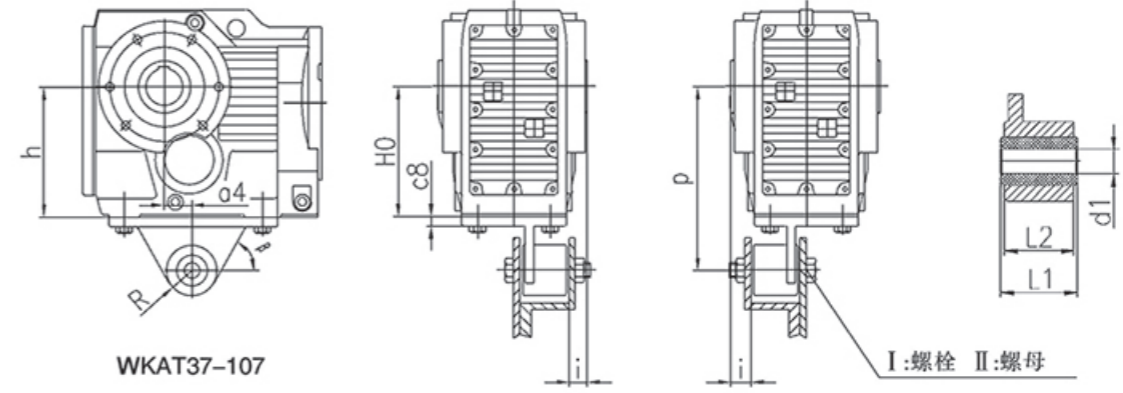
规格 Specification	q q1	D1 D2	h h1	p3 a7	f f1	w w1	G w2	d2 d1	d d3	c1 c2	c3 c4	a3 a4	f2 a2	a1 D	电机尺寸 Motor Size		
															AC	AD	L1
WKHZ37	210	Φ 80j6	100 <sup>-0.5</sup>	164	147	60	Φ 120	Φ 75	Φ 30H7	31	36	12	3	Φ 9	见附录 A-2 Please see appendix A-2		
	139	Φ 110	8.5	97	9	95	86	Φ 45	Φ 30h6	20	25	11.5	M8	Φ 94			
WKHZ47	243	Φ 80j6	112 <sup>-0.5</sup>	185	170	75	Φ 160	Φ 83	Φ 35H7	32	37	12	3	Φ 9			
	166	Φ 120	7.2	115	8	110	102	Φ 50	Φ 35h6	20	25	11	M8	Φ 102			
WKHZ57	269	Φ 105j6	132 <sup>-0.5</sup>	215	182	83	Φ 160	Φ 83	Φ 40H7	26	31	20	3.5	Φ 13.5			
	173	Φ 155	13.1	120	9	117	112	Φ 55	Φ 40h6	20	25	12	M12	Φ 125			
WKHZ67	274	Φ 105j6	140 <sup>-0.5</sup>	226	182	90	Φ 160	Φ 93	Φ 40H7	38	43	20	3.5	Φ 13.5			
	179	Φ 155	20	125	8.5	126	118	Φ 55	Φ 40h6	20	25	12	M12	Φ 125			
WKHZ77	312	Φ 125j6	180 <sup>-0.5</sup>	286	204	105	Φ 200	Φ 114	Φ 50H7	36	41	20	3.5	Φ 13.5			
	202	Φ 170	31.3	139	10	146	136	Φ 70	Φ 50h6	30	35	14	M12	Φ 142			
WKHZ87	390	Φ 155j6	212 <sup>-0.5</sup>	338	280	120	Φ 250	Φ 159	Φ 65H7	41	46	26	4	Φ 17.5			
	257	Φ 215	25.9	190	11	170	161	Φ 85	Φ 65h6	40	45	15	M16	Φ 178			
WKHZ97	435	Φ 180j6	265 <sup>-1</sup>	414	298	150	Φ 300	Φ 174	Φ 75H7	55	60	26	4	Φ 17.5			
	277	Φ 260	32.3	190	14	206	195	Φ 95	Φ 75h6	50	55	18	M16	Φ 220			
WKHZ107	537	Φ 210j6	315 <sup>-1</sup>	500	370	175	Φ 350	Φ 200	Φ 95H7	65	75	30	4	Φ 22			
	341	Φ 304	52	230	8	245	230	Φ 118	Φ 95h6	60	70	22	M20	Φ 260			
WKHZ127	615	Φ 250h6	375 <sup>-1</sup>	592	440	205	Φ 450	Φ 233	Φ 105H7	85	95	28	5	Φ 22			
	390	Φ 350	53	288	0	296	280	Φ 135	Φ 105h6	70	80	30	M20	Φ 300			
WKHZ157	706	Φ 290h6	450 <sup>-1</sup>	705	480	250	Φ 550	Φ 315	Φ 125H7	90	100	36	5	Φ 26			
	426	Φ 400	71.7	298	14	370	330	Φ 155	Φ 125h6	80	90	28	M24	Φ 340			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WKAT37-157  
安装结构尺寸

WKAT37-157  
Mounting Dimensional Description

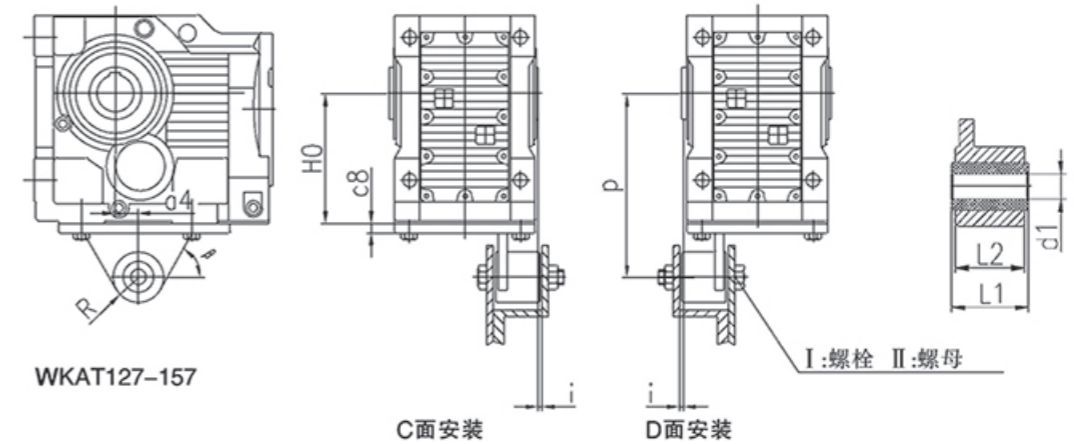


WKAT37-107

C面安装

D面安装

I:螺栓 II:螺母



WKAT127-157

C面安装

D面安装

I:螺栓 II:螺母

机型号 Type Size	a4	β	C8	i	P	R	H0	d1	L1, L2	L2
WKAT37	23.5	60°	10	20	140 <sup>±0.2</sup>	22.5	100 <sup>-0.5</sup>	10.4 <sup>+0.1</sup>	36	31
WKAT47	30	55°	12	20	160 <sup>±0.2</sup>	22.5	112 <sup>-0.5</sup>	10.4 <sup>+0.1</sup>	36	31
WKAT57	40	55°	13	18	192 <sup>±0.2</sup>	29	132 <sup>-0.5</sup>	16.4 <sup>+0.08</sup>	60	54
WKAT67	45	55°	13	25	200 <sup>±0.2</sup>	29	140 <sup>-0.5</sup>	16.4 <sup>+0.08</sup>	60	54
WKAT77	52.5	60°	14	25	250 <sup>±0.2</sup>	29	180 <sup>-0.5</sup>	16.4 <sup>+0.08</sup>	60	54
WKAT87	60	60°	16	30	300 <sup>±0.2</sup>	41	212 <sup>-0.5</sup>	25 <sup>+0.08</sup>	80	72
WKAT97	70	50°	17	40	350 <sup>±0.2</sup>	41	265 <sup>-1</sup>	25 <sup>+0.08</sup>	100	92
WKAT107	74	55°	20	45	450 <sup>±0.2</sup>	41	315 <sup>-1</sup>	25 <sup>+0.08</sup>	100	92
WKAT127	60	65°	45	7	550 <sup>±0.2</sup>	70	375 <sup>-1</sup>	40 <sup>+0.08</sup>	126	110
WKAT157	50	65°	45	2	700 <sup>±0.2</sup>	70	450 <sup>-1</sup>	40 <sup>+0.08</sup>	126	110

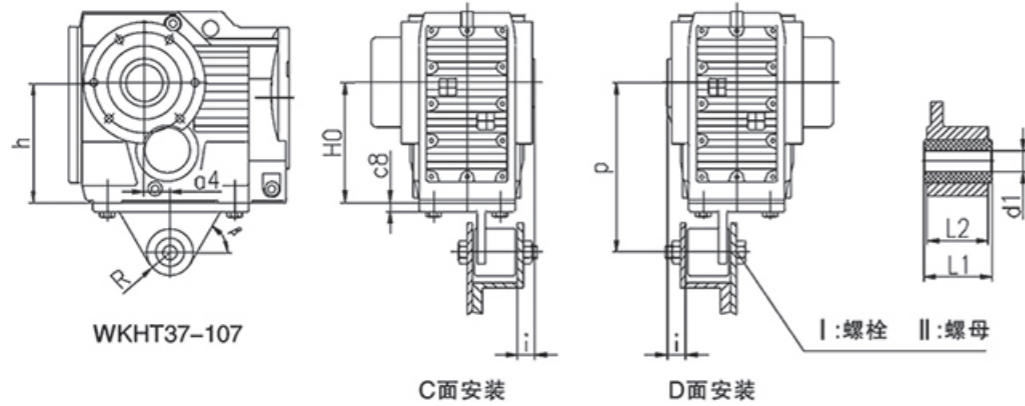
其它尺寸请按照 WKA型。

注:I:螺栓 II:螺母用户自配。

For other dimensions, see the type WKA.

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

WKHT37-157  
安装结构尺寸

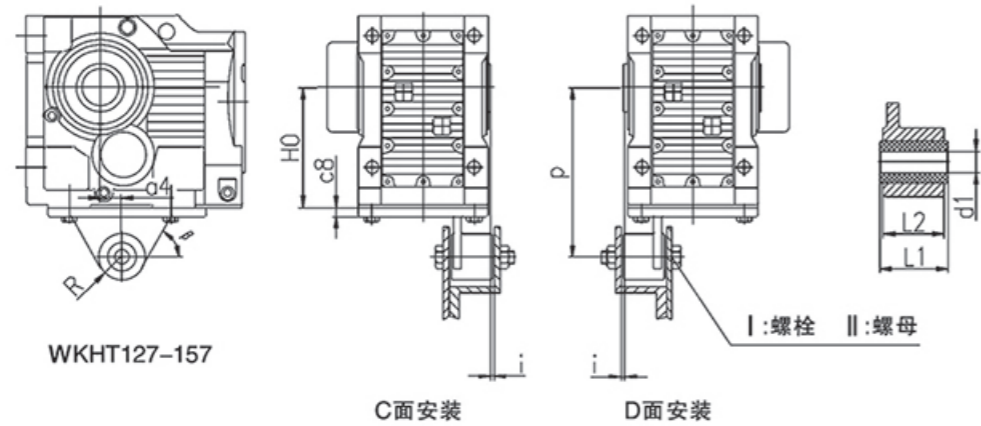


WKHT37-107

C面安装

D面安装

I:螺栓 II:螺母



WKHT127-157

C面安装

D面安装

I:螺栓 II:螺母

机型号 Type Size	$a_4$	$\beta$	$C_8$	$i$	$P$	$R$	$H_0$	$d_1$	$L_{1-3}$	$L_2$
WKHT37	23.5	60°	10	20	140 <sup>+0.2</sup> <sub>-0.1</sub>	22.5	100 <sub>0.5</sub>	10.4 <sup>+0.1</sup> <sub>-0.1</sub>	36	31
WKHT47	30	55°	12	20	160 <sup>+0.2</sup> <sub>-0.1</sub>	22.5	112 <sub>0.5</sub>	10.4 <sup>+0.1</sup> <sub>-0.1</sub>	36	31
WKHT57	40	55°	13	18	192 <sup>+0.2</sup> <sub>-0.1</sub>	29	132 <sub>0.5</sub>	16.4 <sup>+0.08</sup> <sub>-0.08</sub>	60	54
WKHT67	45	55°	13	25	200 <sup>+0.2</sup> <sub>-0.1</sub>	29	140 <sub>0.5</sub>	16.4 <sup>+0.08</sup> <sub>-0.08</sub>	60	54
WKHT77	52.5	60°	14	25	250 <sup>+0.2</sup> <sub>-0.1</sub>	29	180 <sub>0.5</sub>	16.4 <sup>+0.08</sup> <sub>-0.08</sub>	60	54
WKHT87	60	60°	16	30	300 <sup>+0.2</sup> <sub>-0.1</sub>	41	212 <sub>0.5</sub>	25 <sup>+0.08</sup> <sub>-0.08</sub>	80	72
WKHT97	70	50°	17	40	350 <sup>+0.2</sup> <sub>-0.1</sub>	41	265 <sub>1</sub>	25 <sup>+0.08</sup> <sub>-0.08</sub>	100	92
WKHT107	74	55°	20	45	450 <sup>+0.2</sup> <sub>-0.1</sub>	41	315 <sub>1</sub>	25 <sup>+0.08</sup> <sub>-0.08</sub>	100	92
WKHT127	60	65°	45	7	550 <sup>+0.2</sup> <sub>-0.1</sub>	70	375 <sub>1</sub>	40 <sup>+0.08</sup> <sub>-0.08</sub>	126	110
WKHT157	50	65°	45	2	700 <sup>+0.2</sup> <sub>-0.1</sub>	70	450 <sub>1</sub>	40 <sup>+0.08</sup> <sub>-0.08</sub>	126	110

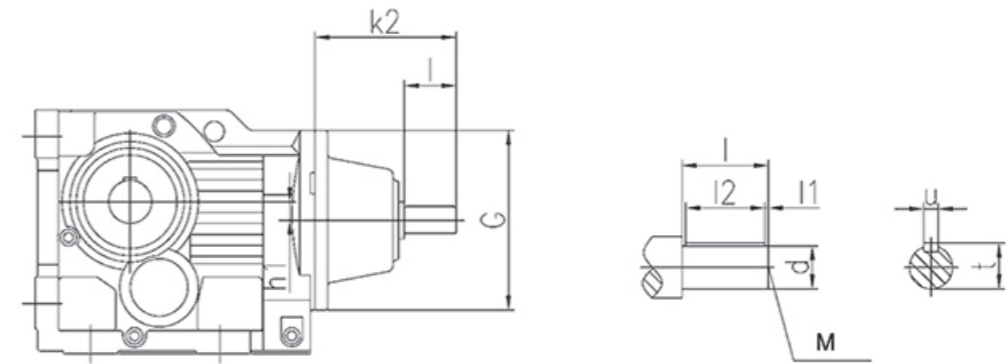
其它尺寸请按照WKH型。

注:I:螺栓 II:螺母用户自配。

For other dimensions, see the type WKH.

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

WK..SZ37-187AD1-8  
安装结构尺寸



WK..SZ37-187AD1-8 安装结构尺寸 (WK..SZ37-187AD1-8 Mounting Dimensional Description)

机型号 Type Size		$d$	$G$	$k_2$	$l$	$M$	$l_1$	$l_2$	$t$	$u$	$h_1$
WK..SZ37	AD1	16k6	Φ 120	115	40	M5	4	32	18	5	8.5
	AD2	19k6	Φ 120	115	40	M6	4	32	21.5	6	8.5
WK..SZ47	AD2	19k6	Φ 160	120	40	M6	4	32	21.5	6	7.2
	AD3	24k6	Φ 160	130	50	M8	5	40	27	8	7.2
WK..SZ57/67	AD2	19k6	Φ 160	120	40	M6	4	32	21.5	6	13.1/20
	AD3	24k6	Φ 160	130	50	M8	5	40	27	8	13.1/20
WK..SZ77	AD2	19k6	Φ 200	130	40	M6	4	32	21.5	6	31.3
	AD3	24k6	Φ 200	140	50	M8	5	40	27	8	31.3
	AD4	38k6	Φ 200	140	50	M12	5	40	41	10	31.3
WK..SZ87	AD2	19k6	Φ 250	160	40	M6	4	32	21.5	6	25.9
	AD3	28k6	Φ 250	180	60	M10	5	50	31	8	25.9
	AD4	38k6	Φ 250	200	80	M12	5	70	41	10	25.9
	AD5	42k6	Φ 250	200	80	M16	5	70	45	12	25.9
WK..SZ97	AD3	28k6	Φ 300	200	60	M10	5	50	31	8	32.3
	AD4	38k6	Φ 300	220	80	M12	5	70	41	10	32.3
	AD5	42k6	Φ 300	220	80	M16	5	70	45	12	32.3
	AD6	48k6	Φ 300	220	80	M16	5	70	51.5	14	32.3
WK..SZ107	AD3	28k6	Φ 350	220	60	M10	5	50	31	8	52
	AD4	38k6	Φ 350	240	80	M12	5	70	41	10	52
	AD5	42k6	Φ 350	270	110	M16	10	90	45	12	52
	AD6	48k6	Φ 350	270	110	M16	10	90	51.5	14	52
WK..SZ127	AD4	38k6	Φ 450	267	80	M12	5	70	41	10	53
	AD5	42k6	Φ 450	297	110	M16	10	90	45	12	53
	AD6	48k6	Φ 450	297	110	M16	10	90	51.5	14	53
	AD7	55m6	Φ 450	297	110	M20	10	90	59	16	53
WK..SZ157/167/187	AD8	70m6	Φ 450	297	110	M20	10	90	74.5	20	53
	AD5	42k6	Φ 550	344	110	M16	10	90	45	12	71.7/97/112
	AD6	48k6	Φ 550	344	110	M16	10	90	51.5	14	71.7/97/112
	AD7	55m6	Φ 550	344	110	M20	10	90	59	16	71.7/97/112
AD8	70m6	Φ 550	374	140	M20	15	110	74.5	20	71.7/97/112	

其它尺寸请参照WK型。

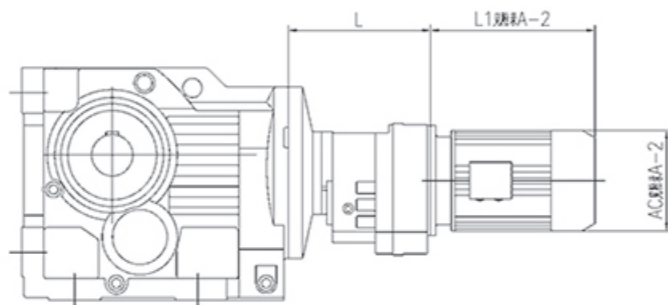
注:WK/WKA/WKAB/WKAF/WKAZ/WKH/WKHF/WKHZ也均可采用双轴型,并分别记为WKFSZ..AD..WKASZ..AD..WKABSZ..AD..WKAFSZ..AD..WKAZSZ..AD..WKHSZ..AD..WKHFSZ..AD..和WKHSZ..AD..。

For other dimensions, see the type WK.

Note: double shafts type is also available for type WK/WKA/WKAB/WKAF/WKAZ/WKH/WKHF/WKHZ, and these double shafts types are respectively named type WKFSZ..AD..WKASZ..AD..WKABSZ..AD..WKAFSZ..AD..WKAZSZ..AD..WKHSZ..AD..WKHFSZ..AD..and WKHSZ..AD..

WK..R..  
安装结构尺寸

WK..R..  
Mounting Dimensional Description



机型号 Type Size	电机机座号 Motor frame size	L
WK..37R17	63	131
	71	
	80	
WK..47R37 WK..67R37	63	157
	71	
	80	
WK..57R37	63	157
	71	
	80	
	90	
WK..77R37	63	157
	71	
	80	
	90	
WK..87R57	63	187
	71	
	80	
	90	
WK..97R57	63	187
	71	
	80	
	90	
	100	
WK..107R77	63	220
	71	
	80	
	90	
	100	
	112	
	132	
160		

机型号 Type Size	电机机座号 Motor frame size	L
WK..127R77	63	220
	71	
	80	
	90	
	100	
	112	
WK..127R87	90	272
	100	
	112	
	132	
	160	
	180	
WK..157R97 WK..167R97 WK..187R97	80	320
	90	
	100	
	112	
	132	
	160	
	200	
WK..157R107 WK..167R107 WK..187R107	100	355
	112	
	132	
	160	
	225	

注: WKA/WKAT/WKF/WKAZ/WKH/WKHF/WKHZ均可采用串联组合机型

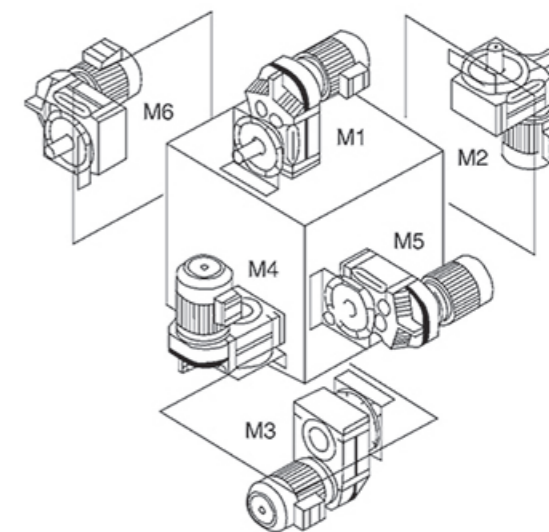
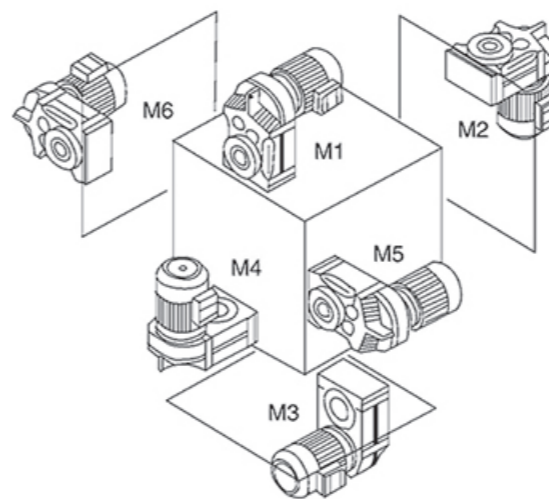
Note: Combined type is also available for type WKA/WKAT/WKF/WKAZ/WKH/WKHF/WKHZ.

注: 电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

安装形式图例

Mounting Arrangements Description



各种安装形式定义为:

M1—电机水平放置;减速机底部朝下。

M2—电机居下。

M3—电机水平放置;减速机底部朝上。

M4—电机居上。

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

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

Different kinds of mounting arrangements are defined as following:

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

M2—motor is vertically mounted downwards.

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

M4—motor is vertically mounted upwards.

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

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

减速机重量 Gear unit weight

规格 Size	WF37	WF47	WF57	WF67	WF77	WF87	WF97	WF107	WF127	WF157
重量(kg) Weight	15	20	31	35	67	117	195	305	720	950

注:重量为平均值,不包括电机,仅供参考。

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

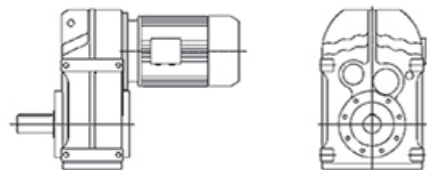
### 结构型式说明 Dimensional Description

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

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

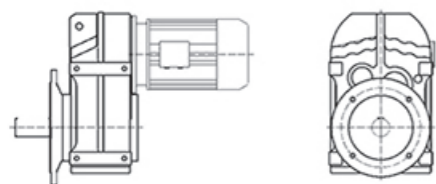
**1.WF型:**底脚安装,输出轴为实心轴。

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



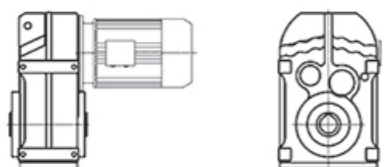
**2.WFF型:**B5 法兰安装,输出轴为实心轴。

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



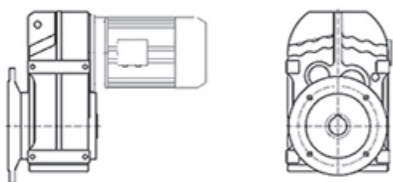
**3.WFA型:**轴装式,输出轴为空心轴。

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



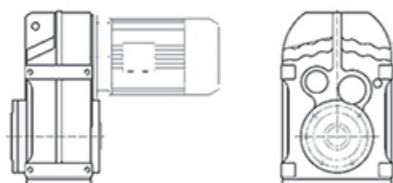
**4.WFAF型:**B5 法兰安装,输出轴为空心轴。

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



**5.WFAZ型:**B14 法兰空心轴安装。

**Type WFAZ:** B14 flange mounted version with hollow shaft



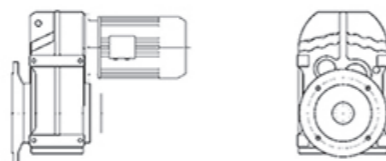
**6.WFH型:**空心轴锁紧盘安装。

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



**7.WFHF型:**B5 法兰空心轴锁紧盘安装。

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



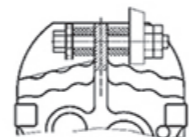
**8.WFHZ型:**B14 法兰空心轴锁紧盘安装。

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



**9.WFAT/WFHT型:**即在WFA/WFH型上增加防转臂等附件后的派生型。

**Type WFAT/WFHT:** As altered type from type WFA/WFH, this type is added torque arm and other accessories.



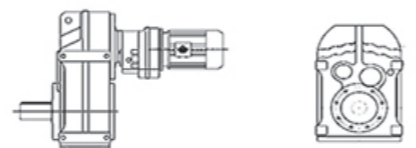
**10.WF..SZ..AD..型:**输入轴型。

**Type WF..SZ..AD..:** Input shaft types.

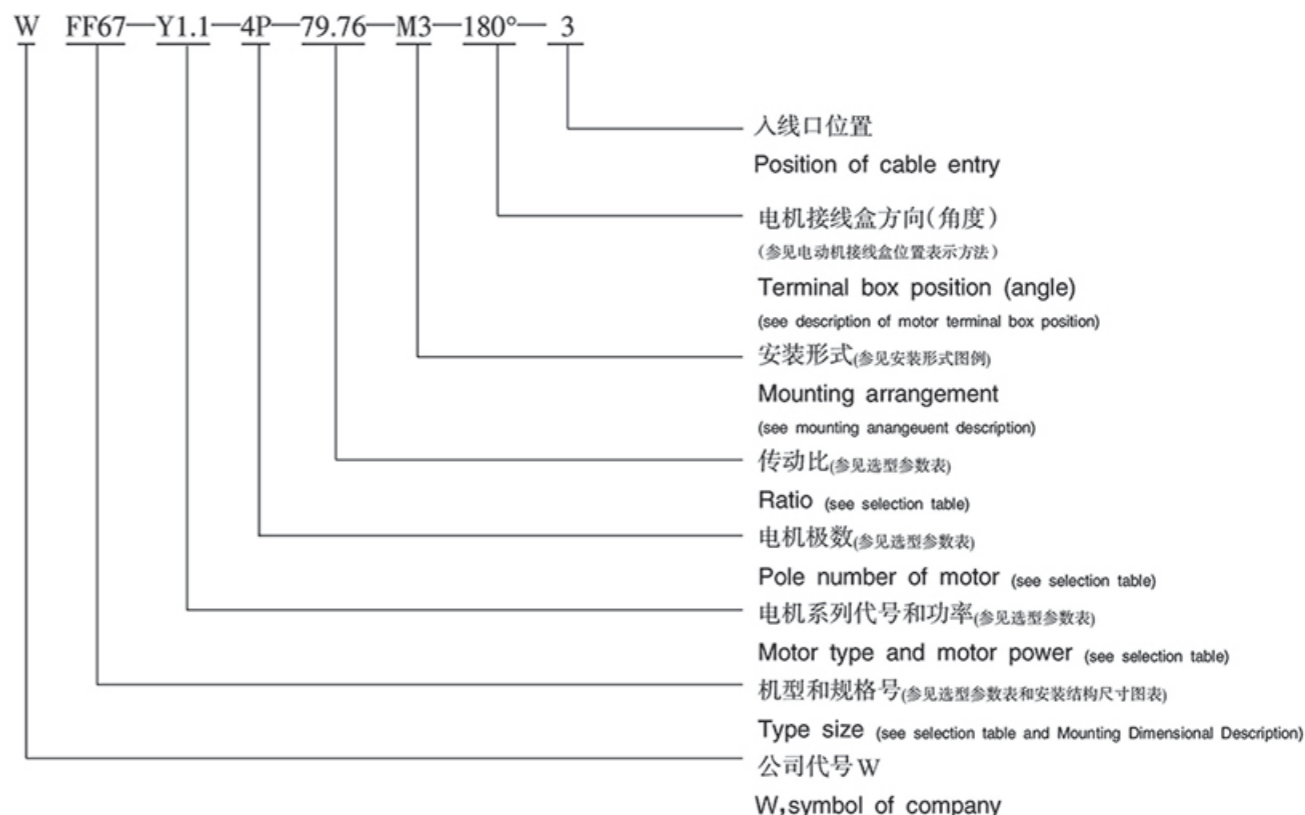


**11.WF..R 型:**WF系列和WR系列的组合。

**Type WF..R:** Combined types of type WF and type WR.



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



注:1、需带联接法兰时请注明。

2、输入轴型没有电动机各项内容。

3、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殊要求的用户,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.

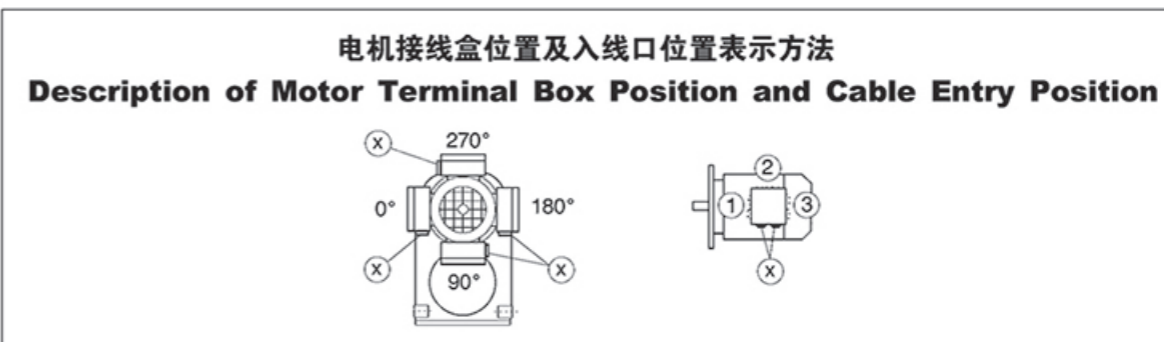
2、Contents of motors for input shaft types are not listed.

3、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

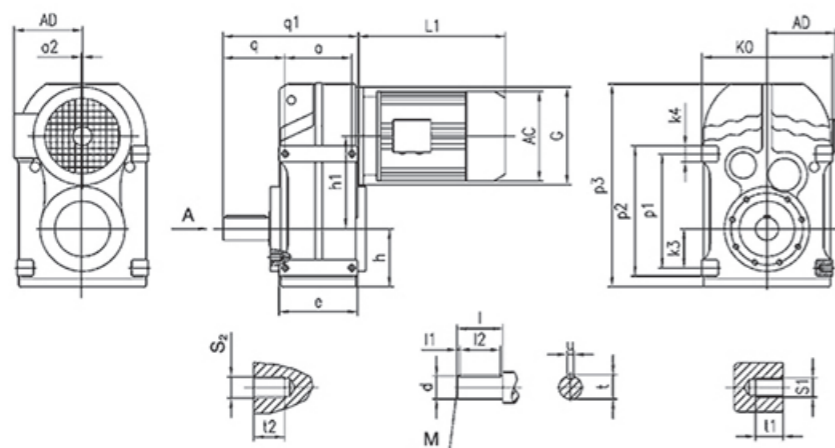
### Description of Motor Terminal Box Position and Cable Entry Position



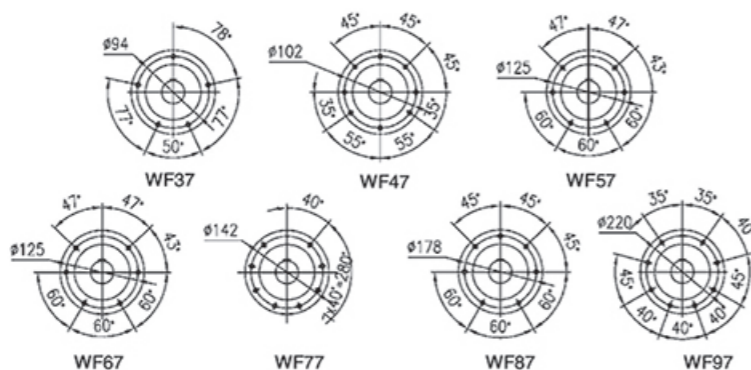


WF37-157  
安装结构尺寸

WF37-157  
Mounting Dimensional Description



A 向法兰安装结构尺寸 (Fig.A Mounting Dimension)



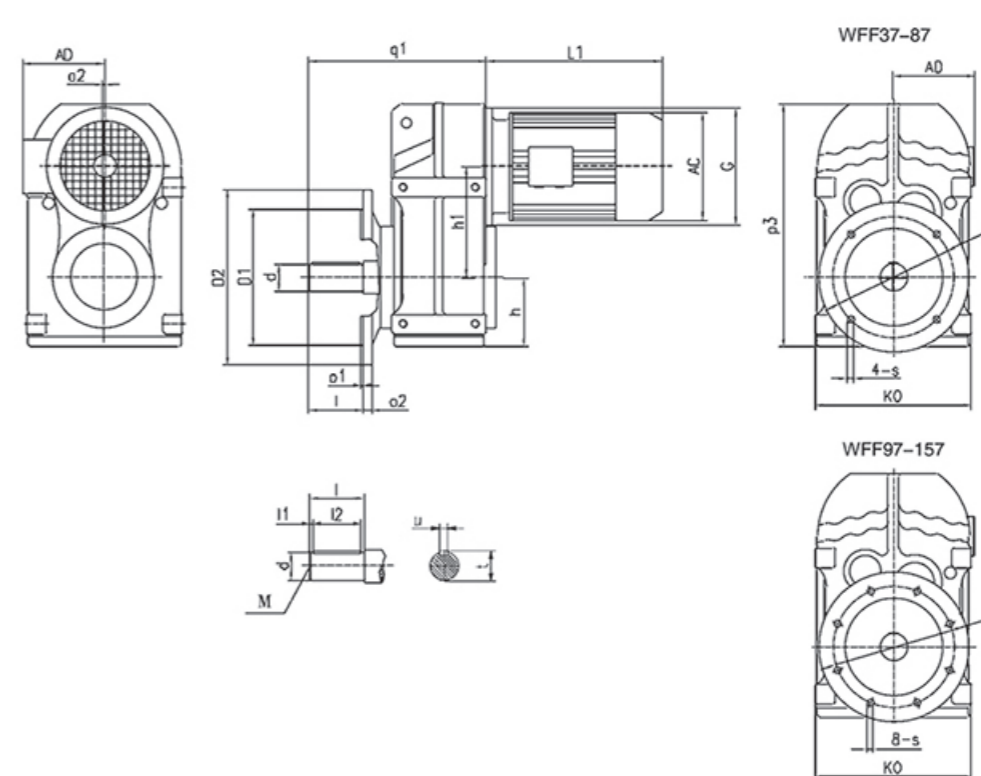
规格 Specification	q <sub>1</sub> S1	q t <sub>1</sub>	a u	h <sub>1</sub> t	h l <sub>1</sub>	e l <sub>2</sub>	p <sub>3</sub> l	p <sub>2</sub> d	p <sub>1</sub> M	k <sub>3</sub> S2	k <sub>4</sub> t <sub>2</sub>	K0 a <sub>2</sub>	G	电机尺寸 Motor Size		
														AC	AD	L1
WF37	160 M8	72.5 11	77 8	112 28	76 5	95 40	252 50	135 Φ 25k6	115 M10	31 M8	20 11	165 /	Φ 120	见附录 A-2 Please see appendix A-2		
WF47	193 M10	91 15	93 8	128.1 33	77 3.5	109 50	269 Φ 30k6	165 Φ 30k6	145 M10	43 M8	20 11	180 /	Φ 120			
WF57	220 M12	104.5 17	102 10	136 38	93 7	126 56	317 Φ 35k6	195 Φ 35k6	170 M12	55 M12	25 17	200 /	Φ 160			
WF67	242 M12	118.5 17	112 12	159.5 43	97 5	131 70	343 Φ 40k6	215 Φ 40k6	190 M16	60 M12	25 17	212 /	Φ 160			
WF77	294 M16	137.5 26	140 14	200 53.5	121 10	175 80	426 Φ 50k6	275 Φ 50k6	240 M16	70 M12	35 17	270 /	Φ 200			
WF87	344 M16	163 26	165 18	246.7 64	152 5	195 110	531 Φ 60m6	350 Φ 60m6	310 M20	100 M16	40 26	330 /	Φ 250			
WF97	415 M20	189.5 28	205 20	285 74.5	178 7.5	240 125	623 Φ 70m6	400 Φ 70m6	350 M20	120 M16	50 26	400 /	Φ 300			
WF107	484 M24	241.5 32	220 25	332.4 95	200 5	260 160	717 Φ 90m6	450 Φ 90m6	400 M24	125 /	50 /	450 /	Φ 350			
WF127	585 M30	291 45	270 28	382.6 116	236 15	316 180	856 Φ 110m6	520 Φ 110m6	450 M24	142 /	70 /	530 10	Φ 450			
WF157	662 M36	325 55	310 32	447 127	286 5	364 200	1021 Φ 120m6	620 Φ 120m6	540 M24	170 /	80 /	660 15	Φ 550			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WFF37-157  
安装结构尺寸

WFF37-157  
Mounting Dimensional Description



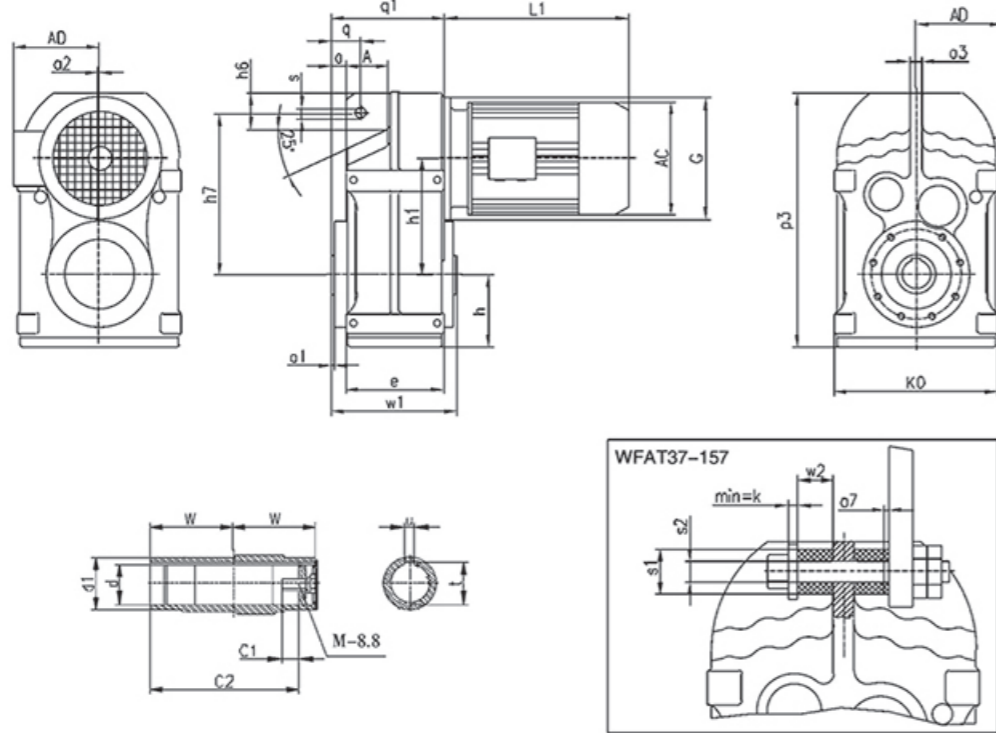
规格 Specification	q <sub>1</sub> s	o <sub>2</sub> D	o <sub>1</sub> K0	d u	D1 t	D2 l <sub>1</sub>	h <sub>1</sub> l <sub>2</sub>	h l	p <sub>3</sub> M	G a <sub>2</sub>	电机尺寸 Motor Size		
											AC	AD	L1
WFF37	184 Φ 9	10 Φ 130	3.5 165	Φ 25k6 8	Φ 110j6 28	Φ 160 5	112 40	76 50	252 M10	Φ 120 /	见附录 A-2 Please see appendix A-2		
WFF47	218 Φ 11	12 Φ 165	3.5 180	Φ 30k6 8	Φ 130j6 33	Φ 200 3.5	128.1 50	77 60	269 M10	Φ 120 /			
WFF57	243 Φ 13.5	15 Φ 215	4 200	Φ 35k6 10	Φ 180j6 38	Φ 250 7	136 56	93 70	317 M12	Φ 160 /			
WFF67	264 Φ 13.5	15 Φ 215	4 212	Φ 40k6 12	Φ 180j6 43	Φ 250 5	159.5 70	97 80	343 M16	Φ 160 /			
WFF77	330 Φ 13.5	16 Φ 265	4 270	Φ 50k6 14	Φ 230j6 53.5	Φ 300 10	200 80	121 100	426 M16	Φ 200 /			
WFF87	374 Φ 17.5	18 Φ 300	5 330	Φ 60m6 18	Φ 250h6 64	Φ 350 5	246.7 110	152 120	531 M20	Φ 250 /			
WFF97	455 Φ 17.5	22 Φ 400	5 400	Φ 70m6 20	Φ 350h6 74.5	Φ 450 7.5	285 125	178 140	623 M20	Φ 300 /			
WFF107	523 Φ 17.5	22 Φ 400	5 450	Φ 90m6 25	Φ 350h6 95	Φ 450 5	332.4 160	200 170	717 M24	Φ 350 /			
WFF127	634 Φ 17.5	25 Φ 500	5 530	Φ 110m6 28	Φ 450h6 116	Φ 550 15	382.6 180	236 210	856 M24	Φ 450 10			
WFF157	725 Φ 22	28 Φ 600	6 660	Φ 120m6 32	Φ 550h6 127	Φ 660 5	447 200	286 210	1021 M24	Φ 550 15			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WFA37-157  
安装结构尺寸

WFA37-157  
Mounting Dimensional Description



螺栓、螺母、垫圈不在标准供货范围内

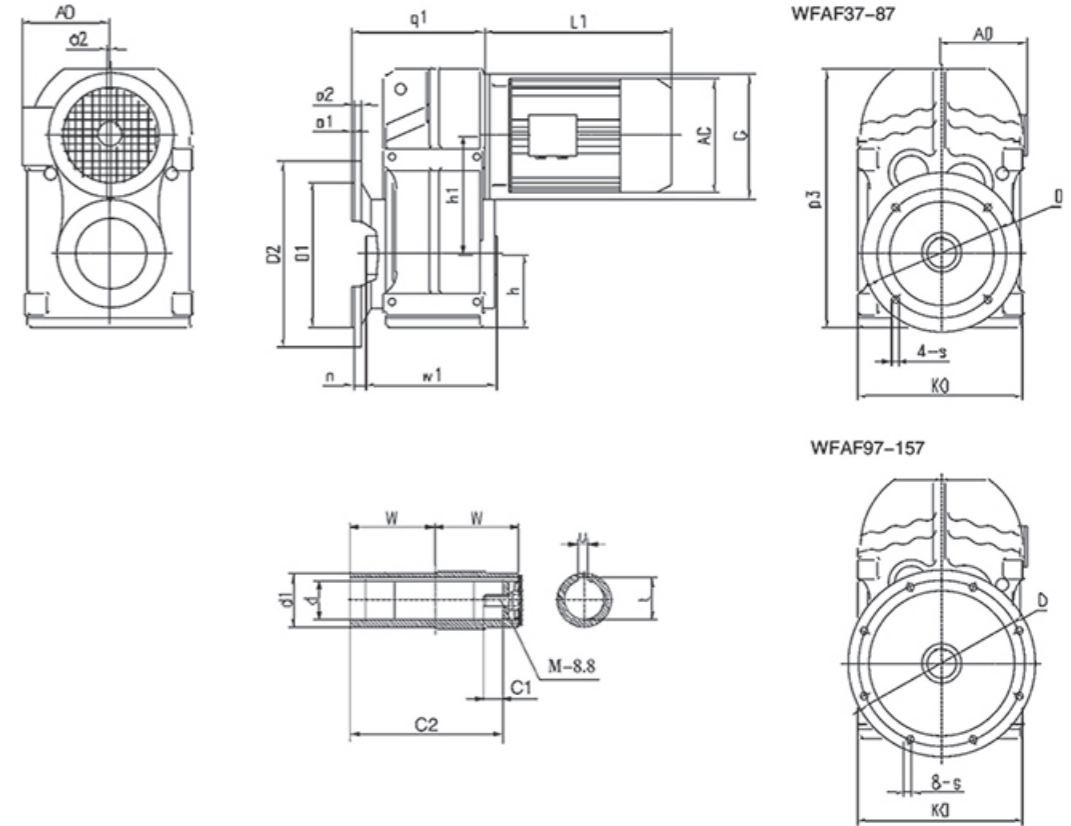
规格 Specification	q <sub>1</sub> a <sub>2</sub>	q d	A d <sub>1</sub>	a w	h <sub>7</sub> c <sub>1</sub>	h <sub>6</sub> s	h <sub>1</sub> u	h t	a <sub>1</sub> s <sub>1</sub>	e s <sub>2</sub>	w <sub>1</sub> k	p <sub>3</sub> w <sub>2</sub>	a <sub>3</sub> a <sub>7</sub>	K0 G	c <sub>2</sub> M	电机尺寸 Motor Size			
																AC	AD	L1	
WFA37	110	31.5	46	15	158	30	112	76	2.5	95	123	252	12	165	105	见附录 A-2 Please see appendix A-2	AC	AD	L1
WFA47	133	32	64	12	170	22	128.1	77	3	109	153	269	12	180	132				
WFA57	150	40.5	60	19.5	198	31	136	93	3	126	170	317	14	200	142				
WFA67	161	41	65	21	218	40	159.5	97	3.5	131	184	343	16	212	156				
WFA77	193	50	69	28	278	49	200	121	4	175	213	426	20	270	183				
WFA87	224	62	79	32	346	57	246.7	152	4	195	243	531	26	330	210				
WFA97	274	70	104	32	395	88	285	178	4	240	303	623	30	400	270				
WFA107	312	88	100	57	485	108	332.4	200	2.5	260	353	717	36	450	313				
WFA127	373	110	125	66	550	108	382.6	236	2.5	316	413	856	40	530	373				
WFA157	455	150	140	98	660	170	447	286	7	364	503	1021	45	660	460				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WFAF37-157  
安装结构尺寸

WFAF37-157  
Mounting Dimensional Description



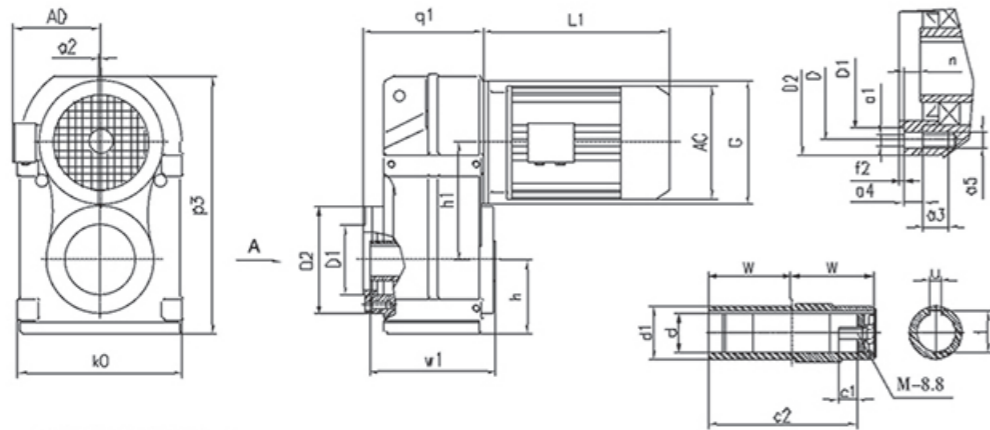
规格 Specification	q <sub>1</sub> K0	o <sub>1</sub> a <sub>2</sub>	o <sub>2</sub> d	D1 d <sub>1</sub>	D2 w	h <sub>1</sub> c <sub>1</sub>	h n	w <sub>1</sub> u	p <sub>3</sub> t	s D	G c <sub>2</sub>	M	电机尺寸 Motor Size			
													AC	AD	L1	
WFAF37	138	3.5	10	Φ 110j6	Φ 160	112	76	123	252	Φ 9	Φ 120	M10× 25	见附录 A-2 Please see appendix A-2	AC	AD	L1
WFAF47	162	3.5	12	Φ 130j6	Φ 200	128.1	77	153	269	Φ 11	Φ 120	M12× 30				
WFAF57	177	4	15	Φ 180j6	Φ 250	136	93	170	317	Φ 13.5	Φ 160	M16× 40				
WFAF67	188	4	15	Φ 180j6	Φ 250	159.5	97	184	343	Φ 13.5	Φ 160	M16× 40				
WFAF77	234	4	16	Φ 230j6	Φ 300	200	121	213	426	Φ 13.5	Φ 200	M16× 45				
WFAF87	259	5	18	Φ 250h6	Φ 350	246.7	152	243	531	Φ 17.5	Φ 250	M20× 50				
WFAF97	321	5	22	Φ 350h6	Φ 450	285	178	303	623	Φ 17.5	Φ 300	M20× 50				
WFAF107	358	5	22	Φ 350h6	Φ 450	332.4	200	353	717	Φ 17.5	Φ 350	M24× 60				
WFAF127	429	5	25	Φ 450h6	Φ 550	382.6	236	413	856	Φ 17.5	Φ 450	M24× 60				
WFAF157	521	6	28	Φ 550h6	Φ 660	447	286	503	1021	Φ 22	Φ 550	M24× 60				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

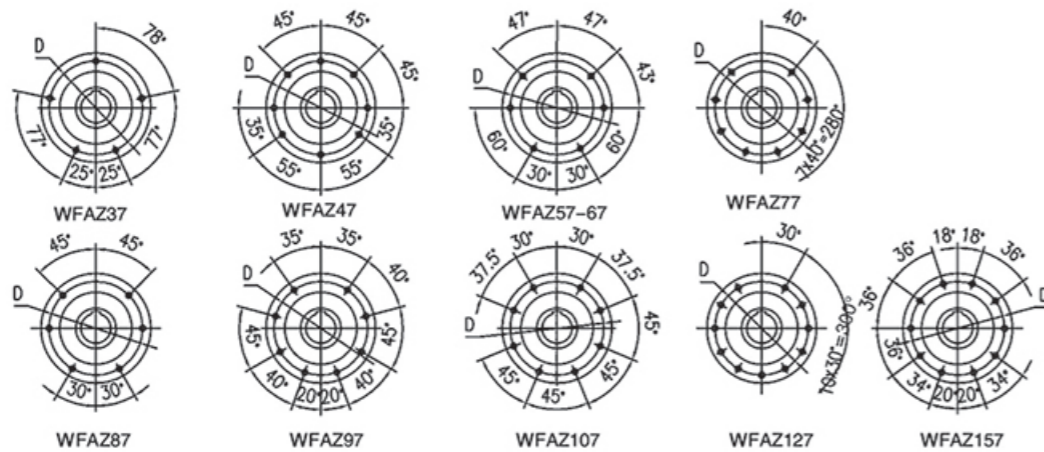
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WFAZ37-157  
安装结构尺寸

WFAZ37-157  
Mounting Dimensional Description



A 向法兰安装结构尺寸 (Fig.A Mounting Dimension)



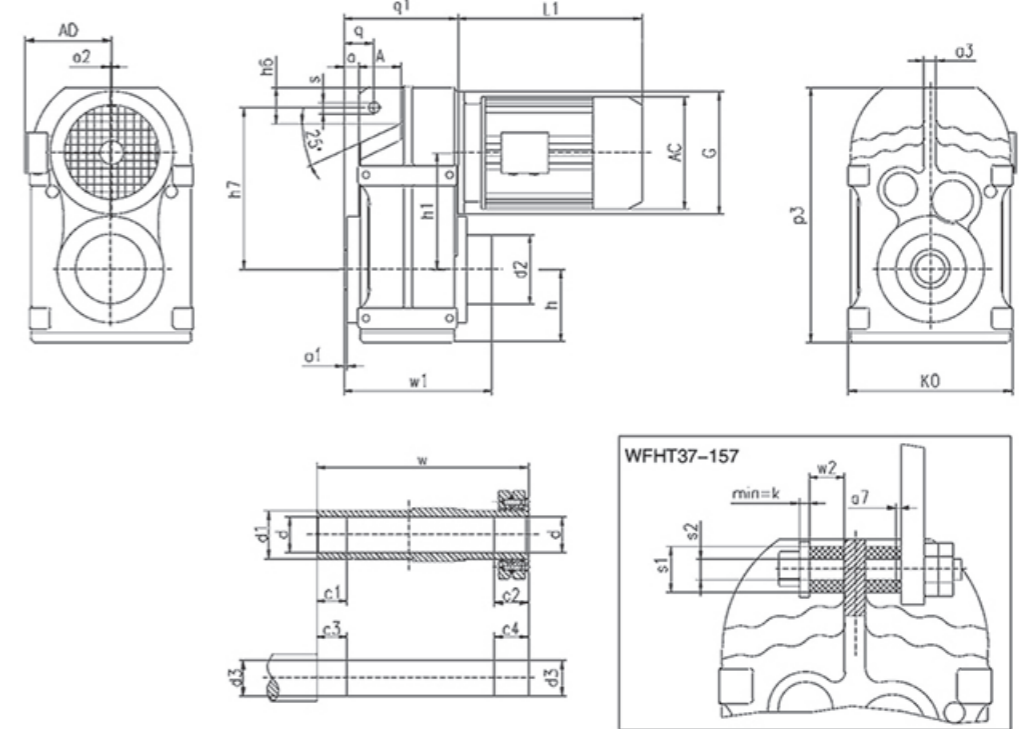
规格 Specification	q <sub>1</sub> k <sub>0</sub>	h h <sub>1</sub>	t D	D <sub>2</sub> D <sub>1</sub>	p <sub>3</sub> n	a <sub>4</sub> a <sub>3</sub>	a <sub>5</sub> w <sub>1</sub>	w c <sub>1</sub>	c <sub>2</sub> u	d <sub>1</sub> d	a <sub>2</sub> f <sub>2</sub>	a <sub>1</sub> M	G	电机尺寸 Motor Size		
														AC	AD	L1
WFAZ37	122 165	76 112	33.3 Φ94	Φ110 Φ80j6	252 9	11.5 12	M8 123	60 17	105 8	Φ45 Φ30H7	/ 3	Φ9 M10×25	Φ120			
WFAZ47	144 180	77 128.1	38.3 Φ102	Φ120 Φ80j6	269 8	11 12	M8 153	75 22	132 10	Φ50 Φ35H7	/ 3	Φ9 M12×30	Φ120			
WFAZ57	162 200	93 136	43.3 Φ125	Φ155 Φ105j6	317 9	12 20	M12 170	83 29	142 12	Φ55 Φ40H7	/ 3.5	Φ13.5 M16×40	Φ160			
WFAZ67	173 212	97 159.5	43.3 Φ125	Φ155 Φ105j6	343 8.5	12 20	M12 184	90 29	156 12	Φ55 Φ40H7	/ 3.5	Φ13.5 M16×40	Φ160			
WFAZ77	206 270	121 200	53.8 Φ142	Φ170 Φ125j6	426 10	14 20	M12 213	105 32	183 14	Φ70 Φ50H7	/ 3.5	Φ13.5 M16×45	Φ200			
WFAZ87	239 330	152 246.7	64.4 Φ178	Φ215 Φ155j6	531 11	15 26	M16 243	120 36	210 18	Φ85 Φ60H7	/ 4	Φ17.5 M20×50	Φ250			
WFAZ97	292 400	178 285	74.9 Φ220	Φ260 Φ180j6	623 14	18 26	M16 303	150 34	270 20	Φ95 Φ70H7	/ 4	Φ17.5 M20×50	Φ300			
WFAZ107	312 450	200 332.4	95.4 Φ260	Φ304 Φ210j6	717 -8	22 28	M20 353	175 40	313 25	Φ118 Φ90H7	/ 4	Φ22 M24×60	Φ350			
WFAZ127	377.5 530	236 382.6	106.4 Φ300	Φ350 Φ250h6	856 0	30 28	M20 413	205 38	373 28	Φ135 Φ100H7	10 5	Φ22 M24×60	Φ450			
WFAZ157	455 660	286 447	127.4 Φ340	Φ400 Φ290h6	1021 -14	28 36	M24 503	250 36	460 32	Φ155 Φ120H7	15 5	Φ26 M24×60	Φ550			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WFH37-157  
安装结构尺寸

WFH37-157  
Mounting Dimensional Description



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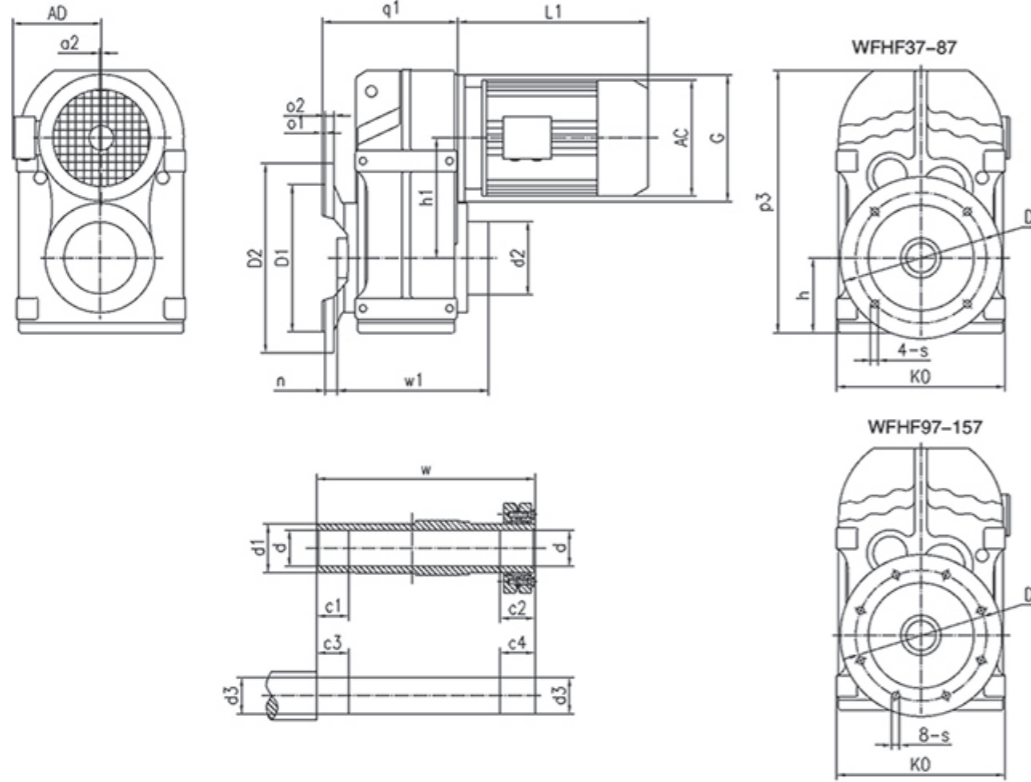
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																AC	AD	L1
WFH37	110 252	76 112	158 30	146 155	31 20	25 36	31.5 46	Φ75 Φ30h7	Φ30h7 Φ30h6	15 0.5	Φ14 /	12 165	Φ40 Φ12.5 <sup>+0.05</sup>	5 20	1 Φ120			
WFH47	133 269	77 128.1	170 22	177 184	32 20	25 37	32 64	Φ83 Φ50	Φ35h7 Φ35h6	12 1	Φ14 /	12 180	Φ40 Φ12.5 <sup>+0.05</sup>	5 20	1.8 Φ120			
WFH57	150 317	93 136	198 31	195 200	26 20	25 31	40.5 60	Φ83 Φ55	Φ40h7 Φ40h6	19.5 1	Φ14 /	14 200	Φ40 Φ12.5 <sup>+0.05</sup>	5 20	2.4 Φ160			
WFH67	161 343	97 159.5	218 40	208 215.5	38 20	25 43	41 65	Φ93 Φ55	Φ40h7 Φ40h6	21 1	Φ14 /	16 212	Φ40 Φ12.5 <sup>+0.05</sup>	5 20	3 Φ160			
WFH77	193 426	121 200	278 49	241 249	36 30	35 41	50 69	Φ114 Φ70	Φ50h7 Φ50h6	28 1	Φ22 /	20 270	Φ60 Φ21 <sup>+0.05</sup>	10 30	3.2 Φ200			
WFH87	224 531	152 246.7	346 57	281 291	41 40	45 46	62 79	Φ159 Φ85	Φ65h7 Φ65h6	32 1	Φ22 /	26 330	Φ60 Φ21 <sup>+0.05</sup>	10 30	4.5 Φ250			
WFH97	274 623	178 285	395 88	345 357	55 50	55 60	79 104	Φ174 Φ95	Φ75h7 Φ75h6	34 1	Φ26 /	30 400	Φ80 Φ25 <sup>+0.05</sup>	12 40	5 Φ300			
WFH107	312 717	200 332.4	485 108	405 420	65 60	70 75	88 100	Φ200 Φ118	Φ95h7 Φ95h6	57 2.5	Φ26 /	36 450	Φ80 Φ25 <sup>+0.05</sup>	12 40	6 Φ350			
WFH127	373 856	236 382.6	550 108	485 502	85 70	80 95	110 125	Φ233 Φ135	Φ105h7 Φ105h6	66 2.5	Φ33 10	40 530	Φ100 Φ32 <sup>+0.05</sup>	15 60	9 Φ450			
WFH157	455 1021	286 447	660 170	580 598	90 80	90 100	150 140	Φ275 Φ155	Φ125h7 Φ125h6	98 7	Φ33 15	45 660	Φ120 Φ32 <sup>+0.05</sup>	15 60	9 Φ550			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WFHF37-157  
安装结构尺寸

WFHF37-157  
Mounting Dimensional Description



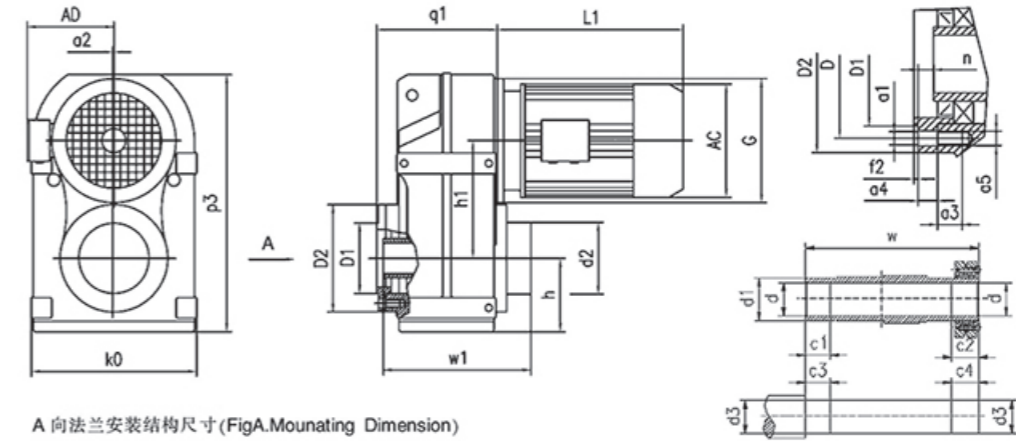
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													AC	AD	L1	
WFHF37	138 252	3.5 10	76 112	24 Φ 9	165 Φ 130	Φ 110j6 Φ 160	Φ 75 Φ 45	Φ 30H7 Φ 30h6	146 155	20 31	25 36	/	Φ 120			
WFHF47	162 269	3.5 12	77 128.1	25 Φ 11	180 Φ 165	Φ 130j6 Φ 200	Φ 83 Φ 50	Φ 35H7 Φ 35h6	177 184	20 32	25 37	/	Φ 120			
WFHF57	177 317	4 15	93 136	23.5 Φ 13.5	200 Φ 215	Φ 180j6 Φ 250	Φ 83 Φ 55	Φ 40H7 Φ 40h6	195 200	20 26	25 31	/	Φ 160			
WFHF67	188 343	4 15	97 159.5	23 Φ 13.5	212 Φ 215	Φ 180j6 Φ 250	Φ 93 Φ 55	Φ 40H7 Φ 40h6	208 215.5	20 38	25 43	/	Φ 160			
WFHF77	234 426	4 16	121 200	37 Φ 13.5	270 Φ 265	Φ 230j6 Φ 300	Φ 114 Φ 70	Φ 50H7 Φ 50h6	241 249	30 36	35 41	/	Φ 200			
WFHF87	259 531	5 18	152 246.7	30 Φ 17.5	330 Φ 300	Φ 250h6 Φ 350	Φ 159 Φ 85	Φ 65H7 Φ 65h6	281 291	40 41	45 46	/	Φ 250			
WFHF97	321 623	5 22	178 285	41.5 Φ 17.5	400 Φ 400	Φ 350h6 Φ 450	Φ 174 Φ 95	Φ 75H7 Φ 75h6	345 357	50 55	55 60	/	Φ 300			
WFHF107	358 717	5 22	200 332.4	41 Φ 17.5	450 Φ 400	Φ 350h6 Φ 450	Φ 200 Φ 118	Φ 95H7 Φ 95h6	405 420	60 65	70 75	/	Φ 350			
WFHF127	429 856	5 25	236 382.6	51 Φ 17.5	530 Φ 500	Φ 450h6 Φ 550	Φ 233 Φ 135	Φ 105H7 Φ 105h6	485 502	70 85	80 95	10 Φ 450				
WFHF157	521 1021	6 28	286 447	60 Φ 22	660 Φ 600	Φ 550h6 Φ 660	Φ 275 Φ 155	Φ 125H7 Φ 125h6	580 598	80 90	90 100	15 Φ 550				

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

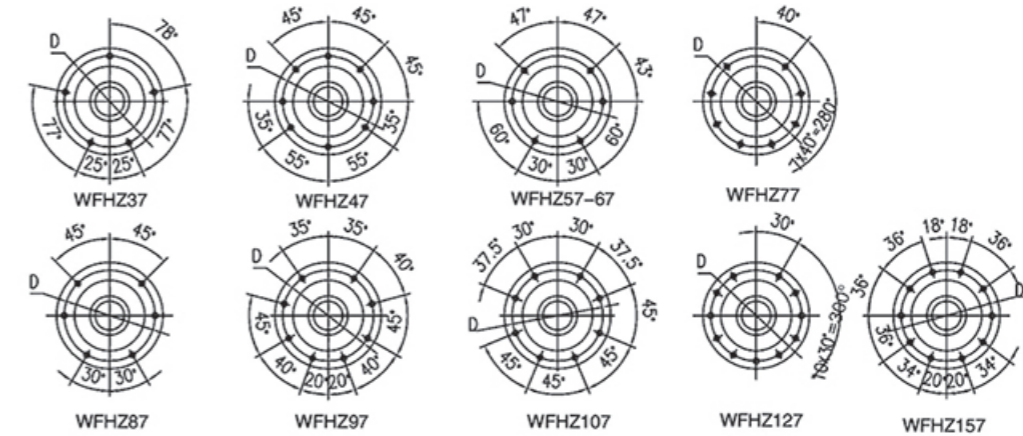
Note: When equipping the user's motor or the special one, the flange is required to connected.(Please see appendix D)

WFHZ37-157  
安装结构尺寸

WFHZ37-157  
Mounting Dimensional Description



A 向法兰安装结构尺寸 (Fig.A.Mounting Dimension)



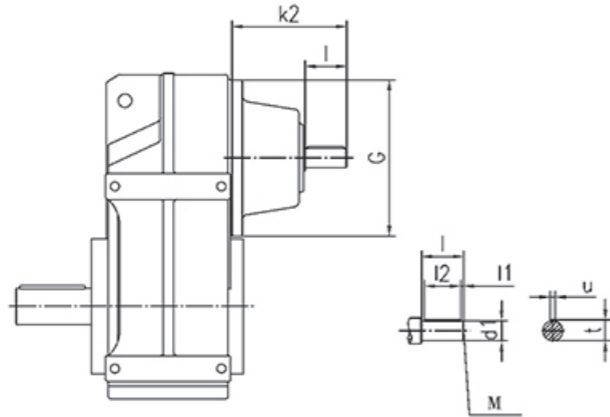
规格 Specification	q <sub>1</sub> K <sub>0</sub>	h h <sub>1</sub>	D <sub>2</sub> D <sub>1</sub>	p <sub>2</sub> n	a <sub>4</sub> a <sub>5</sub>	a <sub>5</sub> G	w w <sub>1</sub>	c <sub>2</sub> c <sub>1</sub>	c <sub>3</sub> c <sub>4</sub>	d <sub>2</sub> d <sub>1</sub>	d d <sub>3</sub>	a <sub>2</sub> f <sub>2</sub>	a <sub>1</sub> D	电机尺寸 Motor Size		
														AC	AD	L1
WFHZ37	122 165	76 112	Φ 110 Φ 80j6	252 9	11.5 11	M8 Φ 120	146 155	31 20	25 36	Φ 75 Φ 45	Φ 30H7 Φ 30h6	/	Φ 9			
WFHZ47	144 180	77 128.1	Φ 120 Φ 80j6	269 8	11 11	M8 Φ 120	177 184	32 20	25 37	Φ 83 Φ 50	Φ 36H7 Φ 35h6	/	Φ 9			
WFHZ57	162 200	93 136	Φ 155 Φ 105j6	317 9	12 17	M12 Φ 160	195 200	26 20	25 31	Φ 83 Φ 55	Φ 40H7 Φ 40h6	/	Φ 13.5			
WFHZ67	173 212	97 159.5	Φ 155 Φ 105j6	343 8.5	12 17	M12 Φ 160	208 215.5	38 20	25 43	Φ 93 Φ 55	Φ 40H7 Φ 40h6	/	Φ 13.5			
WFHZ77	206 270	121 200	Φ 170 Φ 125j6	426 10	14 17	M12 Φ 200	241 249	36 30	35 41	Φ 114 Φ 70	Φ 50H7 Φ 50h6	/	Φ 13.5			
WFHZ87	239 330	152 246.7	Φ 215 Φ 155j6	531 11	15 26	M16 Φ 250	281 291	41 40	45 46	Φ 159 Φ 85	Φ 65H7 Φ 65h6	/	Φ 17.5			
WFHZ97	292 400	178 285	Φ 260 Φ 180j6	623 14	18 26	M16 Φ 300	345 357	55 50	55 60	Φ 174 Φ 95	Φ 75H7 Φ 75h6	/	Φ 17.5			
WFHZ107	312 450	200 332.4	Φ 304 Φ 210j6	717 8	22 28	M20 Φ 350	405 420	65 60	70 75	Φ 200 Φ 118	Φ 95H7 Φ 95h6	/	Φ 22			
WFHZ127	377.5 530	236 382.6	Φ 350 Φ 250h6	856 0	30 28	M20 Φ 450	485 502	85 70	80 95	Φ 233 Φ 135	Φ 105H7 Φ 106h6	10 5	Φ 22 Φ 300			
WFHZ157	455 660	286 447	Φ 400 Φ 290h6	1021 14	28 36	M24 Φ 550	580 598	90 80	90 100	Φ 275 Φ 155	Φ 125H7 Φ 125h6	15 5	Φ 26 Φ 340			

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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

WF..SZ37-157AD1-8  
安装结构尺寸

WF..SZ37-157AD1-8  
Mounting Dimensional Description



WF..SZ37-157AD1-8 安装结构尺寸 (WF..SZ37-157AD1-8 Mounting Dimensional Description)

机型号 Type Size		d <sub>1</sub>	G	k <sub>2</sub>	l	M	l <sub>1</sub>	l <sub>2</sub>	t	u
WF..SZ37/47	AD1	16k6	Φ 120	115	40	M5	4	32	18	5
	AD2	19k6	Φ 120	115	40	M6	4	32	21.5	6
WF..SZ57/67	AD2	19k6	Φ 160	120	40	M6	4	32	21.5	6
	AD3	24k6	Φ 160	130	50	M8	5	40	27	8
WF..SZ77	AD2	19k6	Φ 200	130	40	M6	4	32	21.5	6
	AD3	24k6	Φ 200	140	50	M8	5	40	27	8
	AD4	38k6	Φ 200	140	50	M12	5	40	41	10
WF..SZ87	AD2	19k6	Φ 250	160	40	M6	4	32	21.5	6
	AD3	28k6	Φ 250	180	60	M10	5	50	31	8
	AD4	38k6	Φ 250	200	80	M12	5	70	41	10
	AD5	42k6	Φ 250	200	80	M16	5	70	45	12
WF..SZ97	AD3	28k6	Φ 300	200	60	M10	5	50	31	8
	AD4	38k6	Φ 300	220	80	M12	5	70	41	10
	AD5	42k6	Φ 300	220	80	M16	5	70	45	12
	AD6	48k6	Φ 300	220	80	M16	5	70	51.5	14
WF..SZ107	AD3	28k6	Φ 350	220	60	M10	5	50	31	8
	AD4	38k6	Φ 350	240	80	M12	5	70	41	10
	AD5	42k6	Φ 350	270	110	M16	10	90	45	12
	AD6	48k6	Φ 350	270	110	M16	10	90	51.5	14
WF..SZ127	AD4	38k6	Φ 450	267	80	M12	5	70	41	10
	AD5	42k6	Φ 450	297	110	M16	10	90	45	12
	AD6	48k6	Φ 450	297	110	M16	10	90	51.5	14
	AD7	55m6	Φ 450	297	110	M20	10	90	59	16
	AD8	70m6	Φ 450	297	110	M20	10	90	74.5	20
WF..SZ157	AD5	42k6	Φ 550	344	110	M16	10	90	45	12
	AD6	48k6	Φ 550	344	110	M16	10	90	51.5	14
	AD7	55m6	Φ 550	344	110	M20	10	90	59	16
	AD8	70m6	Φ 550	374	140	M20	15	110	74.5	20

其它尺寸请参照 WF 型。

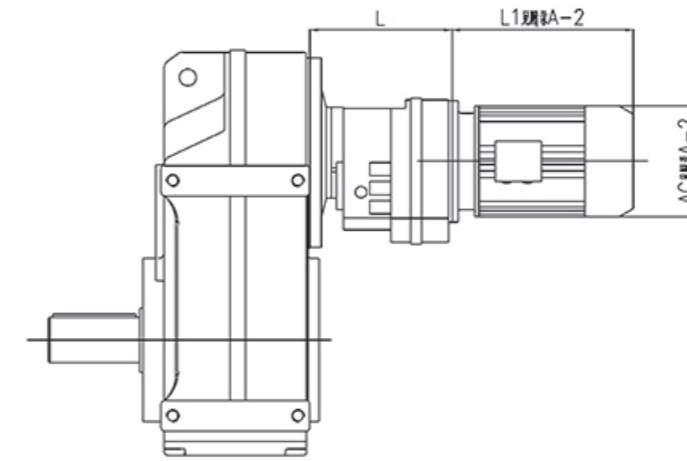
注:WFA/WFAF/WFF/WFAZ/WFH/WFHF/WFHZ 均可采用双轴型, 并分别记为 WFASZ..AD.., WFAFSZ..AD.., WFFSZ..AD.., WFAZSZ..AD.., WFHSZ..AD.., WFHFSZ..AD.. 和 WFHZSZ..AD..。

For other dimensions, see the type WF.

Note: double shafts type is also available for type WFA/WFAF/WFF/WFAZ/WFH/WFHF/WFHZ, and these double shafts types are respectively named type WFASZ..AD.., WFAFSZ..AD.., WFFSZ..AD.., WFAZSZ..AD.., WFHSZ..AD.., WFHFSZ..AD.. and WFHZSZ..AD..

WF..R  
安装结构尺寸

WF..R  
Mounting Dimensional Description



机型号 Type Size	电机机座号 Motor fram size	L
WF..37R17 WF..47R17	63	131
	71	
	80	
WF..57R37	63	157
	71	
	80	
WF..67R37	63	157
	71	
	80	
WF..77R37	63	157
	71	
	80	
	90	
WF..87R57	63	187
	71	
	80	
	90	
WF..97R57	63	187
	71	
	80	
	90	
	100	
WF..107R77	63	220
	71	
	80	
	90	
	100	
	112	

机型号 Type Size	电机机座号 Motor fram size	L
WF..127R77	63	220
	71	
	80	
	90	
	100	
	112	
WF..127R87	90	272
	100	
	112	
	132	
	160	
WF..157R97	80	320
	90	
	100	
	112	
	132	
	200	

注:WFA/WFAF/WFF/WFAZ/WFH/WFHF/WFHZ 均可采用串联组合机型。

Note: Combined type is also available for type WFA/WFAF/WFF/WFAZ/WFH/WFHF/WFHZ.

注:电机需方配或配特殊电机时需加联接法兰(见附录 D)

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



Y<sub>2</sub>系列电机技术参数 Technical Data of Y<sub>2</sub> Series Motors

型号 Type	额定功率 Rated power/kW	满载时 Full load				堵转电流 Blocked current 额定电流 Rated current	堵转转矩 Blocked torque 额定转矩 Rated torque	最大转矩 Max torque 额定转矩 Rated torque	转动惯量 Moment of inertia /(kg·m <sup>2</sup> )	净重 Weight /kg
		转速 Speed /(r/min)	电流 Current /A	效率 Eff (%)	功率因数 Power factor					
同步转速 3000r/min 2极 Synchronous Speed 3000r/min 2P										
Y2-631-2	0.18	2720	0.53	65.0	0.80	5.5	2.2	2.2	—	—
Y2-632-2	0.25		0.69	68.0	0.81					
Y2-711-2	0.37	2740	0.99	70.0	0.81	6.1	2.2	2.3	—	—
Y2-712-2	0.55		1.4	73.0	0.82					
Y2-801-2	0.75	2830	1.83	75.0	0.83	6.1	2.2	0.00075	0.00090	16
Y2-802-2	1.1		2.55	77.0	0.84					
Y2-90S-2	1.5	2840	3.40	79.0	0.85	7.0	2.2	0.0012	0.0014	22
Y2-90L-2	2.2		4.8	81.0	0.85					
Y2-100L-2	3.0	2870	6.31	83.0	0.87	7.5	2.2	0.0029	0.0055	33
Y2-112M-2	4.0	2890	8.23	85.0	0.88					
Y2-132S1-2	5.5	2900	11.18	86.0	0.88	7.5	2.2	0.0109	0.0126	64
Y2-132S2-2	7.5		15.06	87.0	0.88					
Y2-160M1-2	11	2930	21.35	88.0	0.89	7.5	2.3	0.0377	0.0449	117
Y2-160M2-2	15		28.78	89.0	0.89					
Y2-160L-2	18.5	2940	34.72	90.0	0.90	7.5	2.0	0.055	0.075	147
Y2-180M-2	22		41.28	90.5	0.90					
Y2-200L1-2	30	2950	55.37	91.2	0.91	7.1	1.8	0.124	0.139	240
Y2-200L2-2	37		67.92	92.0	0.91					
Y2-225M-2	45	2970	82.16	92.3	0.91	7.1	1.8	0.233	0.312	309
Y2-250M-2	55		100.1	92.5	0.91					
Y2-280S-2	75	2980	134.0	93.2	0.92	7.1	1.6	0.597	0.675	544
Y2-280M-2	90		160.27	93.8	0.92					
Y2-315S-2	110	2980	195.46	94.0	0.92	7.1	1.6	1.18	1.82	980
Y2-315M-2	132		233.3	94.5	0.92					
Y2-315L1-2	160	2980	279.44	94.6	0.92	7.1	1.6	2.08	2.41	1160
Y2-315L2-2	200		347.83	94.8	0.92					
Y2-355M-2	250	2980	432.5	95.3	0.92	7.1	1.6	3.56	4.16	1760
Y2-355L-2	315		543.25	95.6	0.92					



型号 Type	额定功率 Rated power/kW	满载时 Full load				堵转电流 Blocked current 额定电流 Rated current	堵转转矩 Blocked torque 额定转矩 Rated torque	最大转矩 Max torque 额定转矩 Rated torque	转动惯量 Moment of inertia /(kg·m <sup>2</sup> )	净重 Weight /kg
		转速 Speed /(r/min)	电流 Current /A	效率 Eff (%)	功率因数 Power factor					
同步转速 1500r/min 4极 Synchronous Speed 1500r/min 4P										
Y2-631-4	0.12	1310	0.44	57.0	0.72	4.4	2.1	2.2	—	—
Y2-632-4	0.18		0.62	60.0	0.73					
Y2-711-4	0.25	1330	0.79	65.0	0.74	5.2	2.4	0.0018	0.0021	17
Y2-712-4	0.37		1.12	67.0	0.75					
Y2-801-4	0.55	1390	1.57	71.0	0.75	6.0	2.3	0.0021	0.0027	22
Y2-802-4	0.75		2.03	73.0	0.77					
Y2-90S-4	1.1	1400	2.82	75.0	0.79	7.0	2.2	0.0054	0.0067	34
Y2-90L-4	1.5		3.7	78.0	0.81					
Y2-100L1-4	2.2	1430	5.16	80.0	0.81	7.5	2.2	0.0095	0.0214	68
Y2-100L2-4	3.0		6.78	82.0	0.82					
Y2-112M-4	4.0	1440	8.83	84.0	0.83	7.5	2.2	0.0296	0.0747	123
Y2-132S-4	5.5		11.7	85.0	0.84					
Y2-132M-4	7.5	1460	15.6	87.0	0.84	7.5	2.2	0.0918	0.139	182
Y2-160M-4	11		22.35	88.0	0.85					
Y2-160L-4	15	1470	30.14	89.0	0.86	7.2	2.1	1.46	3.11	1000
Y2-180M-4	18.5		36.47	90.5	0.87					
Y2-180L-4	22	1480	43.14	91.0	0.87	7.2	2.1	1.46	3.11	1000
Y2-200L-4	30		57.63	92.0	0.87					
Y2-225S-4	37	1480	69.89	92.5	0.87	7.2	2.1	1.46	3.11	1000
Y2-225M-4	45		95.54	92.8	0.87					
Y2-250M-4	55	1490	103.1	93.0	0.88	6.9	2.1	1.46	3.11	1000
Y2-280S-4	75		139.7	93.8	0.88					
Y2-280M-4	90	1490	166.93	94.2	0.88	6.9	2.1	1.46	3.11	1000
Y2-315S-4	110		201.06	94.5	0.88					
Y2-315M-4	132	1490	240.57	94.8	0.89	6.9	2.1	1.46	3.11	1000
Y2-315L1-4	160		287.95	94.9	0.89					
Y2-315L2-4	200	1490	358.8	95.0	0.90	6.9	2.1	1.46	3.11	1000
Y2-355M-4	250		442.12	95.3	0.90					
Y2-355L-4	315	555.32	95.6	0.90	6.66	2.1	1.46	3.11	1850	



