

# AC/DC GEAR MOTOR

## 交直流减速电动机

CATALOGUE



**杭州赛亚传动设备有限公司**

HANGZHOU SAIYA TRANSMISSION EQUIPMENT CO., LTD.

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## AC/DC GEAR MOTOR

# SINCE 2006

## 赛亚传动

十年的产品品质  
TEN YEARS QUALITY

始终如一的服务  
CONSISTENT SERVICE

杭州赛亚传动设备有限公司专业生产及销售微型交直流齿轮减速电机、小型齿轮减速电机等产品。公司生产的标准型产品均符合国家3C认证以及UL/CSA、CE、ROHS等国际认证。产品广泛应用于冶金工业、风力发电、纺织机械、办公设备、包装设备、太阳能发电、流水线设备等领域。同时公司也可根据客户需求研发和生产项目型产品。公司始终坚持以客户为导向、以产品为核心、以服务为宗旨的经营理念，努力为客户提供领先的传动技术和服 务，创造高效、节能的工作环境。

Hangzhou Saiya Transmission Equipment Co., Ltd is specialized in research and production of AC/DC gear motor, small AC gear motor. The products are exported to more than 40 countries in the world. All of the standard products are qualified with national CCC certificate and international CE, UL/CSA, ROHS certificate. The products are widely used in different areas like Metalwork equipment, Printing equipment, Textile Machinery, Packing equipment, office equipment, Solar system, production line and wind power generation. At the same time, we can also customize project product according to customer requirement.

**01** 产品种类丰富, 减速机选择范围广 (速比: 3-1: 750)  
With various kinds of products, with full range of gear ratio from 1:3 to 1:750.

**03** 电压符合各个国家电源特征, 电动机效率高  
Products are matched with different voltage to meet the voltage requirement of different countries in the world.

**05** 电机可靠性强, 电机噪音小, 使用寿命长  
The performance of motors are reliable with low noise and long working life.

**02** 产品性价比高。产品具有强度高、效率高的同时, 产品价格也具有明显优势  
The products have good performance in efficiency and high torque. At the same time also with competitive price.

**04** 安全性强, 环保。公司标准型产品均符合国家3C认证, 欧盟CE认证以及美国UL认证, 同时符合ROHS环保指令要求  
The products are with good safety and environmental protection features. The products with national CCC certificate, CE, UL certificate as well as ROHS instructions.

## 安全注意事项 SAFETY CAUTIONS

|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                         | <p>请不要在齿轮箱及电机铭牌或产品目录的取格以外使用, 以免触电、受伤及损坏装置等。<br/>Please don't use motor out of the range which is clarified in of nameplate of gear box and motor and the specification of product catalogue, avoiding an electric shock, hurting or damaging the device.</p> <p>请不要将手指或物品插入齿轮或电机开口部分, 以免触电、受伤、发生火灾及损坏装置等。<br/>Please do not put your fingers into the opening part of gear of motor, in order to prevent getting an electric shock, hurting catching a fire or damaging device etc.</p> <p>请不要使用带伤的齿轮箱或电机, 以免有可能受伤, 发生火灾等。<br/>Please do not use the injured gear head or motor, in order to prevent hurting, catching a fire etc.</p> <p>请不要拆下铭牌。<br/>Please do not put off the nameplate.</p> <p>若客户对产品私自进行改造的, 不属于保修范围, 本公司不承担任何责任。<br/>If the products are reformer by the customers personally, it no belongs to the guarantee scope, and our company doesn't undertake any responsibility.</p>                                                                                                                                                                                                                                                                                        |
| 总体<br>General                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 振动/Moving                               | <p>搬动时, 若发生脱落或倾倒, 是很危险的, 请充分注意。<br/>When you move it, if it shed off or tilt to one side, it is very dangerous, please pay more attention.</p> <p>请绝对不要在齿轮箱和电机周围放置可燃物, 以免发生火灾。<br/>Please never put the flammable thing near and motor, for fear of a fire.</p> <p>请不要在电机周围放置物品, 影响电机通风、冷却, 甚至因异常多热而烫伤或发生火灾。<br/>Please do not put the things around motor, otherwise it can effect ventilation and cooling, even burning or catching a fire because of too hot.</p> <p>请手不要触碰齿轮及电机轴端部、齿轮的键槽, 以免受伤。<br/>Please do not touch the gear, the motor shaft and the key slot of the gear with naked hand, or you may be hurt.</p> <p>在点动机械等可能发生漏油的装置中, 请在安装部分另加一个能盛油的油杯, 防止万一漏油对产品有不良的影响。<br/>The device may creating the smoke, such as food machine, please add an oil cup assembly part, to prevent leaking oil which may have a bad effect on the products.</p>                                                                                                                                                                                                                                                                                                                               |
| 安装<br>Assembly                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 对主机械的连接<br>Assemble to the main machine | <p>在旋转部分, 请设安全罩等, 防止受伤。<br/>Please set a safe cover above the revolving part, to prevent being hurt.</p> <p>在与对方机械连接前, 请确认旋转方向。若旋转方向不正确, 有可能受伤或破坏装置。<br/>Before linking to the other machine, please confirm the revolving direction is not right, it may hurt the gear motor or destroy the device.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 配线/Wiring                               | <p>在测试绝缘电阻时, 请不要接触端子, 以免触电危险。<br/>Please don't get in touch with terminal, when you measure insure insulated resistance, preventing danger of getting an electric shock.</p> <p>请按接线图或使用说明书实施与电源的连接, 以免触电或发生火灾。(无端子产品, 请确实加强连接部分的绝缘)<br/>Please link with the electric source according to wire diagram and usage manual, in order to prevent getting an electric shock or catching a fire (no terminal box, please strengthen the insulation of the connection part surely)</p> <p>对电源电缆和电机引线, 请不要过分弯曲、拉伸、夹伤, 以免触电危险。<br/>Referring to the electrical source cable and the motor wire, please do not bend, stretch, and clip tightly excessively, in order to prevent getting an electric shock.</p> <p>接地线应牢固接地, 以免触电危险。务必使用符合铭牌要求的电源, 以免烧毁电机、发生火灾。<br/>The terminal box connecting to the ground must be firm, in order to prevent getting an electric shock.</p> <p>Please adopt the electrical source according to the nameplate, to avoid burning the motor and catching a fire.</p>                                                                                                                                                                                                  |
| 运转<br>Operation                         | <p>在运转中, 绝对不要接近或接触旋转物体(轴等)。有卷入受伤时, 请马上切断电源开关, 及时处理。<br/>When operating, do not get close to or touch the revolving parts(shaft). If something or somebody engulfs or hurts, Please turn off the electrical power switch right and handle at once.</p> <p>停电时, 请务必切断电源开关, 防止来电后伤人或破坏装置。<br/>Please turn off the electrical source switch when electricity stops, in order to prevent hurting the person and damaging the device.</p> <p>请注意: 带有热保护的电机, 当电机温度异常时会自动切断电源, 当电机温度下降到一定程度时, 电机会自动恢复工作。<br/>(注: 电压在及额定电压的环境下, 会自动恢复)<br/>Please note, motor with the thermal protector, when temperature of the motor is unusual, it will turn off the electrical source automatically, when the temperature of the motor fall down to a fixed data, the motor can work automatically.<br/>(Note: when the motor is not burned-out, the motor can work automatically.)</p> <p>在平常时, 保持电机在正常的工作环境工作运转。(特殊型号除外)<br/>In daily, you should keep the motor operating in the normal work environment.(Except the special model)</p> <p>检查时, 请绝对不要接触旋转物体(轴等)。有可能被卷入、受伤。<br/>While checking, please do not get close to or touch the revolving parts(shaft). Something or somebody may engulf of hurt.</p> |
| 日常检查保养<br>The daily check and maintain  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 接受货物时检查<br>Receiving confirm            | <p>请确认到货是否和订货一样。选择错误的产品, 有可能导致电机受损或破坏装置等。<br/>Please confirm if it is the right one with the order when receiving. Choosing wrong probably leads to damage of motor of damage the device and etc.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## DESCRIPTION OF MOTOR

### 电动机型号说明

5 1 K 40 R GN C T  
① ② ③ ④ ⑤ ⑥ ⑦ ⑧

|   |                                                                                                                                               |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---|-----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① | 电动机尺寸 Motor Frame Size                                                                                                                        | 0:42mm 2:60mm 3: 70mm 4:80mm 5:90mm 6:104mm                                                                                                                                                                                                                                                                                                                                                          |
| ② | 类型名称 Motor Type                                                                                                                               | L:感应电机 Induction Motors R:可逆电动机 Reversible Motors<br>T:转矩电机 Torque Motors                                                                                                                                                                                                                                                                                                                            |
| ③ | 系列名称 Series                                                                                                                                   | K: K系列 K Series                                                                                                                                                                                                                                                                                                                                                                                      |
| ④ | 输出功率 Output Power(W)                                                                                                                          | (例. E.g.) 40: 40W                                                                                                                                                                                                                                                                                                                                                                                    |
| ⑤ | R标识带调速器电动机; 无: 表示未带 The Suffix "R" after the output power means speed adjustable motor.                                                       |                                                                                                                                                                                                                                                                                                                                                                                                      |
| ⑥ | 转轴形状 Motor Shaft Type                                                                                                                         | GN: GN型齿轮轴 GN Type Pinion Shaft GU: GU型齿轮轴 GU Type Pinion Shaft<br>A: 圆轴型 Round Shaft A1: 键槽型 Keyway                                                                                                                                                                                                                                                                                                 |
| ⑦ | 电源电压、极数 Power Supply Voltage, Poles                                                                                                           | A: 单相 Single-Phase 110V 50/60Hz 4p H: 单相 Single-Phase 220/230V 60Hz 4p<br>B: 单相 Single-Phase 110V 50Hz 2p S: 三相 Three-Phase 200/220/230V 50/60Hz 4p<br>C: 单相 Single-Phase 220/230V 50Hz 4p S3: 三相 Three-Phase 380/400/415V 50/60Hz 4p<br>D: 单相 Single-Phase 220V 60Hz 2p T: 三相 Three-Phase 200/220/230V 50/60Hz 2p<br>E: 单相 Single-Phase 110/120V 60Hz 4p T3: 三相 Three-Phase 380/400/415V 50/60Hz 2p |
| ⑧ | T: 带端子箱型 Terminal Box type<br>F: 带风扇 W/Fan FF: 带强制冷却 W/Forced Fan<br>M: 无励磁动作型电磁制动电动机<br>Power Off Activated Type Electromagnetic Brake Motor |                                                                                                                                                                                                                                                                                                                                                                                                      |

## DESCRIPTION OF MOTOR

### 减速器型号说明

5 GN 50 K RH  
① ② ③ ④ ⑤

|   |                                                                                                                                                                                           |                                                                                                                                                        |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① | 减速器安装尺寸 Gear head Frame Size                                                                                                                                                              | 0:42mm 2:60mm 3: 70mm 4:80mm 5:90mm 6:104mm                                                                                                            |
| ② | 类型 Type of Pinion                                                                                                                                                                         | GN: GN型齿轮轴 GN Type gear GU: GU型齿轮轴 GU Type gear                                                                                                        |
| ③ | 减速比 Gear Ratio                                                                                                                                                                            | (例. E.g.) 50: 减速比 Gear Ratio of 1:50<br>10 × 仅指减速器 1: 10的中间减速比<br>10 × Denotes The Decimal Gearhead of Ratio 1:10                                      |
| ④ | 轴承类型 Bearing Type                                                                                                                                                                         | K: 滚珠轴承 (对GU型方形箱体标注为KB)<br>Bearing(Mark KB for Type GU Square Case)                                                                                    |
| ⑤ | 输出种类 Type of Output Shaft                                                                                                                                                                 | RH: 蜗轮蜗杆空心轴输出 Hollow Worm Shaft<br>RA: 蜗轮蜗杆实心轴输出 Worm Output Shaft<br>RC: 圆锥齿空心轴输出 Spiral Bevel Hollow Shaft<br>RT: 圆锥齿实心轴输出 Spiral Bevel Output Shaft |
| ⑥ | 备注: 电机配平行轴减速器时第5项省略, 如配置角减速器时第四项省略<br>Note: If the motor assembly with parallel gearbox item No.5 shall be canceled.<br>If assembly with right angle gearbox item No.4 shall be canceled. |                                                                                                                                                        |

## 电动机的一般规格

### GENERAL SPECIFICATIONS OF MOTORS

#### ■ 3W~200W型、2极·高速型 6W~150W、2P·High Speed

| 项目 Item                       | 规格 Specifications                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 绝缘电阻<br>Insulation Resistance | 于常温 常湿下的电动机额定运行后, 以DC500V电阻表测量线圈-外壳间时, 测量值为100MΩ以上<br>In the circumstance of normal temperature and humidity, there will be no problem applying the power of 1.5kV(three phase-60V: 2kV) at 50/60Hz between the motor wiring and motor shell while the motor is working.                                                                                                               |
| 绝缘耐压<br>Insulation Voltage    | 于常温 常湿下电动机额定运行后, 在绕组-外壳间施加一分钟50Hz或60Hz, 1.5kV (三相400V为2kV) 的电压, 亦无异常<br>In the circumstance of normal temperature and humidity, there will be no problem applying the power of 1.5kV(three phase-60V: 2kV) at 50/60Hz between the metal wiring and motor shell for 1 minute while the motor is working.                                                                                |
| 温度上升<br>Temperature Rise      | 在负载下电动机同等或等效热板*并于常温 常湿下进行额定运行时, 以电阻法测定其线圈温度上升值为80℃以下<br>(三相型为70℃以下)<br>The temperature rise of winding are 80°C or less measured by the resistance change method after rated motor operation under normal ambient temperature and humidity, with connecting a gearhead or equivalent heat radiation plate.*                                                                            |
| 绝缘等级<br>Insulation Class      | UL/CSA规格: AHP (105°C) , EN规格: B (130°C)<br>UL/CSA Standards: Class A(105°C)<br>EN Standards: Class B(130°C)                                                                                                                                                                                                                                                                            |
| 过热保护装置<br>Overheat Protection | 内藏热保护装置 (自动复位型)<br>B种 (开放: 120°C±5°C, 75°C±15°C)<br>F种 (开放: 145°C±5°C, 100°C±15°C)<br>Thermal protector inside (automatic return)<br>Class B ( opening: 120°C±5°C, 75°C±15°C)<br>Class F ( opening: 145°C±5°C, 100°C±15°C)                                                                                                                                                             |
| 使用环境温度<br>Ambient Temperature | 单相100V、三相200V、10~50°C (无冻结) 其他电压: 10~40°C (无冻结)<br>Single-Phase100VAC、Three-Phase200VAC: -10~+50°C(NonFreezing) Others: -10~+40°C(NonFreezing)                                                                                                                                                                                                                                         |
| 使用环境湿度<br>Ambient Humidity    | 85%以下 (无结露)<br>≤85% (Noncondensing)                                                                                                                                                                                                                                                                                                                                                    |
| 保护等级<br>Protection Class      | 导线型 Lead wire type: IP20<br>带端子箱型 Terminal Box Type<br>单相Single-phase 100V/50/60Hz 110/120V/60Hz, 220/230V/50Hz, 220/230V/60Hz<br>25W 180W Type: IP54 (不包括圆轴安装表面 Excluding the installation surface of the round shaft type)<br>三相Three-phase 200/220/230V/50/60Hz, 380/400/415V/50/60Hz<br>25W-180W Type: IP54 (不包括圆轴安装表面 Excluding the installation surface of the round shaft type) |

#### ■ 散热板尺寸 (材质: 铝) Heat Radiation Plate(Material: Aluminum)

| 电动机类型 Motor Type                                              | 尺寸Size  | 厚度Thickness (mm) |
|---------------------------------------------------------------|---------|------------------|
| 3W Type                                                       | 80X80   | 5                |
| 6W Type                                                       | 115X115 |                  |
| 15W Type                                                      | 125X125 |                  |
| 25W (2极·高速4K40型、4K60型) (2P·High-Speed 4K40 Type, 4K60 Type)   | 135X135 |                  |
| 40W、60W Type                                                  | 165X165 |                  |
| 80W、80W、120W Type<br>(2极·高速5K150型) (2P·High-Speed 5K150 Type) | 200X200 |                  |
| 120W、140W、200W Type                                           | 230X230 |                  |





# 15W

交流减速电机 □70mm  
AC GEAR MOTOR

### 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model - 类型 Type    |                    | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting<br>Torque<br>mN.m | 额定转矩<br>Rated<br>Torque<br>mN.m | 额定转速<br>Rated<br>Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|----------------------|--------------------|---------------------------|--------------------|-----------------------|--------------------|------------------------------------|---------------------------------|---------------------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft | 圆轴型<br>Round Shaft |                           |                    |                       |                    |                                    |                                 |                                 |                          |
| 3K15G-A              | 3K15A-A            | 15                        | 1ph 100            | 50                    | 0.35               | 90                                 | 125                             | 1200                            | 6.0                      |
|                      |                    |                           |                    | 60                    | 0.33               | 85                                 | 105                             | 1450                            |                          |
| 3K15G-E              | 3K15A-E            | 15                        | 1ph 120            | 60                    | 0.32               | 65                                 | 105                             | 1450                            | 5.0                      |
|                      |                    |                           |                    | 50                    | 0.18               | 90                                 | 125                             | 1200                            |                          |
| 3K15G-C              | 3K15A-C            | 15                        | 1ph 230            | 50                    | 0.20               | 65                                 | 105                             | 1450                            | 1.2                      |
|                      |                    |                           |                    | 60                    | 0.16               | 85                                 | 105                             | 1450                            |                          |
| 3K15G-H              | 3K15A-H            | 15                        | 1ph 230            | 60                    | 0.15               | 70                                 | 105                             | 1450                            | 1.2                      |
|                      |                    |                           |                    | 50                    | 0.14               | 220                                | 125                             | 1200                            |                          |
| 3K15G-S              | 3K15A-S            | 15                        | 3ph 220            | 60                    | 0.12               | 180                                | 105                             | 1450                            | -                        |
|                      |                    |                           |                    | 50                    | 0.12               | 180                                | 105                             | 1450                            |                          |

### 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model - 类型 Type    |                    | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting<br>Torque<br>mN.m | 额定转矩<br>Rated<br>Torque<br>mN.m | 额定转速<br>Rated<br>Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|----------------------|--------------------|---------------------------|--------------------|-----------------------|--------------------|------------------------------------|---------------------------------|---------------------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft | 圆轴型<br>Round Shaft |                           |                    |                       |                    |                                    |                                 |                                 |                          |
| 3RK15G-A             | 3RK15A-A           | 15                        | 1ph 100            | 50                    | 0.40               | 110                                | 125                             | 1200                            | 7.0                      |
|                      |                    |                           |                    | 60                    | 0.56               | 105                                | 105                             | 1450                            |                          |
| 3RK15G-E             | 3RK15A-E           | 15                        | 1ph110             | 60                    | 0.43               | 85                                 | 105                             | 1450                            | 6.0                      |
|                      |                    |                           |                    |                       | 0.42               |                                    |                                 |                                 |                          |
| 3RK15G-C             | 3RK15A-C           | 15                        | 1ph220             | 50                    | 0.23               | 110                                | 125                             | 1200                            | 1.5                      |
|                      |                    |                           |                    |                       | 0.20               |                                    |                                 |                                 |                          |
| 3RK15G-H             | 3RK15A-H           | 15                        | 1ph230             | 60                    | 0.20               | 85                                 | 105                             | 1450                            | 1.5                      |
|                      |                    |                           |                    |                       | 0.20               |                                    |                                 |                                 |                          |

### 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model - 类型 Type    |                    | 最大<br>输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque |                | 启动转矩<br>Starting<br>Torque<br>mN.m | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>μF |
|----------------------|--------------------|---------------------------------|--------------------|-----------------------|-----------------------------------------|--------------------------|----------------|------------------------------------|--------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft | 圆轴型<br>Round Shaft |                                 |                    |                       |                                         | 1200/min<br>mN.m         | 90/min<br>mN.m |                                    |                    |                          |
| 3K15RG-A             | 3K15RA-A           | 15                              | 1ph 100            | 50                    | 90-1350                                 | 120                      | 35             | 55                                 | 0.35               | 6.0                      |
|                      |                    |                                 |                    |                       |                                         |                          |                |                                    |                    |                          |
| 3K15RG-E             | 3K15RA-E           | 15                              | 1ph 110            | 60                    | 90-1650                                 | 125                      | 35             | 55                                 | 0.30               | 5.0                      |
|                      |                    |                                 |                    |                       |                                         |                          |                |                                    |                    |                          |
| 3K15RG-C             | 3K15RA-C           | 15                              | 1ph 230            | 50                    | 90-1350                                 | 120                      | 35             | 54                                 | 0.20               | 1.2                      |
|                      |                    |                                 |                    |                       |                                         |                          |                |                                    |                    |                          |
| 3K15RG-H             | 3K15RA-H           | 15                              | 1ph 230            | 60                    | 90-1650                                 | 85                       | 35             | 52                                 | 0.15               | 1.2                      |
|                      |                    |                                 |                    |                       |                                         |                          |                |                                    |                    |                          |

### ■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售 中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速比型号中的□中为减速化的数值。  
Enter the gear ratio in the box (□) within the model name.
- □□色表示与电动机同一方向运转, 其他为相反方向。  
The colored background □□ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

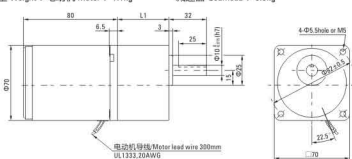
| 类型 Type<br>电动机/减速机<br>Motor/Gearhead                     | 减速比<br>Gear Ratio | 容许力矩 |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |     |     |     |     |     |
|----------------------------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|-----|-----|-----|-----|-----|
|                                                          |                   | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75 | 90 | 100 | 120 | 150 | 180 | 200 |
| 3K15GN-A<br>3K15GN-E<br>3K15GN-C<br>3K15GN-H<br>3K15GN-S | 50Hz              | 0.30 | 0.36 | 0.51 | 0.61 | 0.76 | 0.91 | 1.3  | 1.5  | 1.8  | 2.3  | 2.7  | 3.3  | 4.1  | 5    | 5  | 5  | 5   | 5   | 5   | 5   | 5   |
|                                                          |                   | 3.06 | 3.67 | 5.20 | 6.22 | 7.75 | 9.28 | 13.2 | 15.3 | 18.3 | 23.4 | 27.5 | 33.7 | 41.8 | 50   | 50 | 50 | 50  | 50  | 50  | 50  | 50  |
|                                                          | 3GN□K             | 0.26 | 0.31 | 0.43 | 0.51 | 0.64 | 0.77 | 1.1  | 1.3  | 1.5  | 1.9  | 2.3  | 2.8  | 3.5  | 4.2  | 5  | 5  | 5   | 5   | 5   | 5   | 5   |
|                                                          |                   | 2.65 | 3.16 | 4.38 | 5.20 | 6.53 | 7.85 | 11.2 | 13.2 | 15.3 | 19.3 | 23.4 | 28.5 | 35.7 | 42.8 | 50 | 50 | 50  | 50  | 50  | 50  | 50  |
|                                                          | 60Hz              | 0.30 | 0.36 | 0.51 | 0.61 | 0.76 | 0.91 | 1.3  | 1.5  | 1.8  | 2.3  | 2.7  | 3.3  | 4.1  | 5    | 5  | 5  | 5   | 5   | 5   | 5   | 5   |
|                                                          | 3.06              | 3.67 | 5.20 | 6.22 | 7.75 | 9.28 | 13.2 | 15.3 | 18.3 | 23.4 | 27.5 | 33.7 | 41.8 | 50   | 50   | 50 | 50 | 50  | 50  | 50  | 50  | 50  |

### ■ 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

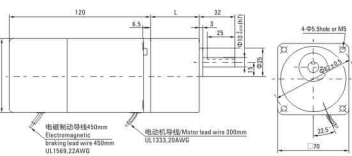
#### ● 导线型 Lead Wiring Type (感应/可逆 Induction/Reversible Motor)

重量 Weight : 电动机 Motor : 1.1kg 减速器 Gearhead : 0.5kg



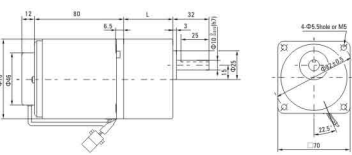
#### ● 导线型 Lead Wiring Type (刹车 Brake Motors)

重量 Weight : 电动机 Motor : 1.47kg 减速器 Gearhead : 0.5kg



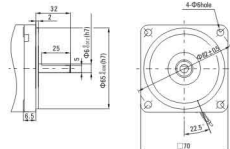
#### ● 导线型 Lead Wiring Type (调速 Speed Control Motors)

重量 Weight : 电动机 Motor : 1.2kg 减速器 Gearhead : 0.5kg



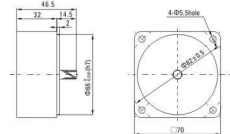
#### ● 圆轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中国减速机 Decimal Gearhead

可安装在GN轴型电动机上 Can be connected to GN pinion shaft type 电动机外形与齿轮轴型相同  
Motor shape is the same as the pinion shaft type



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 3GN□K                   | 3-18              | 32 |
|                         | 25-200            | 42 |

● 减速器型号中的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



# 25W

交流减速机 □80mm  
AC GEAR MOTOR

### 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model · 类型 Type     | 上段 齿轴轴 Upper Pinion Shaft<br>下段内 圆轴 Below Round Shaft | 输出功率 Output power | 电压 Voltage | 频率 Frequency | 电流 Current | 启动转矩 Starting Torque | 额定转矩 Rated Torque | 额定转速 Rated Speed | 电容器容量 Capacitor |
|-----------------------|-------------------------------------------------------|-------------------|------------|--------------|------------|----------------------|-------------------|------------------|-----------------|
| 导线型 Lead Wire Type    | 端子箱型 Terminal Box Type                                | W                 | V          | Hz           | A          | mN·m                 | mN·m              | r/min            | μF              |
| 4K25GN-A<br>(4K25A-A) | 4K25GN-AT<br>(4K25A-AT)                               | 25                | 1ph 100    | 50           | 0.50       | 120                  | 200               | 1250             | 8.0             |
|                       |                                                       |                   |            | 60           | 0.55       |                      |                   |                  |                 |
| 4K25GN-E<br>(4K25A-E) | 4K25GN-ET<br>(4K25A-ET)                               | 25                | 1ph 110    | 50           | 0.45       | 120                  | 165               | 1550             | 7.0             |
|                       |                                                       |                   |            | 60           | 0.50       |                      |                   |                  |                 |
| 4K25GN-C<br>(4K25A-C) | 4K25GN-CT<br>(4K25A-CT)                               | 25                | 1ph 120    | 50           | 0.25       | 120                  | 200               | 1250             | 1.8             |
|                       |                                                       |                   |            | 60           | 0.23       |                      |                   |                  |                 |
| 4K25GN-H<br>(4K25A-H) | 4K25GN-HT<br>(4K25A-HT)                               | 25                | 1ph 230    | 50           | 0.23       | 120                  | 165               | 1550             | -               |
|                       |                                                       |                   |            | 60           | 0.185      |                      |                   |                  |                 |
| 4K25GN-S<br>(4K25A-S) | 4K25GN-ST<br>(4K25A-ST)                               | 25                | 3ph 220    | 50           | 0.178      | 250                  | 165               | 1250             | -               |
|                       |                                                       |                   |            | 60           | 0.178      |                      |                   |                  |                 |

### 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model · 类型 Type     | 上段 齿轴轴 Upper Pinion Shaft<br>下段内 圆轴 Below Round Shaft | 输出功率 Output power | 电压 Voltage | 频率 Frequency | 电流 Current | 启动转矩 Starting Torque | 额定转矩 Rated Torque | 额定转速 Rated Speed | 电容器容量 Capacitor |
|-----------------------|-------------------------------------------------------|-------------------|------------|--------------|------------|----------------------|-------------------|------------------|-----------------|
| 导线型 Lead Wire Type    | 端子箱型 Terminal Box Type                                | W                 | V          | Hz           | A          | mN·m                 | mN·m              | r/min            | μF              |
| 4K25GN-A<br>(4K25A-A) | 4K25GN-AT<br>(4K25A-AT)                               | 25                | 1ph 100    | 50           | 0.59       | 160                  | 200               | 1250             | 10.0            |
|                       |                                                       |                   |            | 60           | 0.69       | 140                  | 165               | 1550             |                 |
| 4K25GN-E<br>(4K25A-E) | 4K25GN-ET<br>(4K25A-ET)                               | 25                | 1ph 110    | 50           | 0.50       | 140                  | 165               | 1550             | 8.0             |
|                       |                                                       |                   |            | 60           | 0.50       |                      |                   |                  |                 |
| 4K25GN-C<br>(4K25A-C) | 4K25GN-CT<br>(4K25A-CT)                               | 25                | 1ph 120    | 50           | 0.29       | 140                  | 200               | 1250             | 2.2             |
|                       |                                                       |                   |            | 60           | 0.30       |                      |                   |                  |                 |
| 4K25GN-H<br>(4K25A-H) | 4K25GN-HT<br>(4K25A-HT)                               | 25                | 1ph 230    | 50           | 0.35       | 140                  | 165               | 1550             | 2.2             |
|                       |                                                       |                   |            | 60           | 0.35       |                      |                   |                  |                 |

### 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model · 类型 Type | 导线型 Lead Wire Type | 最大输出功率 Output power W | 电压 Voltage V | 频率 Frequency Hz | 调速范围 Speed Control Range r/min | 容许转矩 Allowance Torque |         | 启动转矩 Starting Torque mN·m | 电流 Current A | 电容器容量 Capacitor μF |
|-------------------|--------------------|-----------------------|--------------|-----------------|--------------------------------|-----------------------|---------|---------------------------|--------------|--------------------|
|                   |                    |                       |              |                 |                                | 1200/mN·m             | 90/mN·m |                           |              |                    |
| 4K25RN-A          | 4K25RA-A           | 25                    | 1ph 100      | 60              | 90-1350                        | 190                   | 47      | 88                        | 0.50         | 8.0                |
|                   |                    |                       |              |                 |                                |                       |         |                           |              |                    |
| 4K25RN-E          | 4K25RA-E           | 25                    | 1ph 110      | 60              | 90-1650                        | 190                   | 50      | 105                       | 0.45         | 7.0                |
|                   |                    |                       |              |                 |                                |                       |         |                           |              |                    |
| 4K25RN-C          | 4K25RA-C           | 25                    | 1ph 120      | 50              | 90-1350                        | 190                   | 47      | 88                        | 0.25         | 1.8                |
|                   |                    |                       |              |                 |                                |                       |         |                           |              |                    |
| 4K25RN-H          | 4K25RA-H           | 25                    | 1ph 230      | 60              | 90-1650                        | 190                   | 45      | 88                        | 0.23         | 1.8                |
|                   |                    |                       |              |                 |                                |                       |         |                           |              |                    |

### ■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售 中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速器型号中的方框内为减速比的数值。  
Enter the gear ratio in the box (□) within the model name.
- □表示与电动机同一方向旋转，其他则为相反方向。  
The colored background □□ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N·m ) / 下段 Belowside ( kgf·cm )

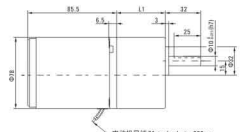
| 类型 Type<br>电动机/Gearhead<br>Motor/Gearhead                          | 减速比<br>Gear Ratio | 容许力矩 Allowance Torque (N·m) |      |      |      |      |      |      |      |      |      |      |      |      |      |    |    |     |      |     |     |     |
|--------------------------------------------------------------------|-------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|----|----|-----|------|-----|-----|-----|
|                                                                    |                   | 3                           | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75 | 90 | 100 | 120  | 150 | 180 | 200 |
| 4K25GN-A □<br>4K25GN-C □<br>4K25GN-E □<br>4K25GN-H □<br>4K25GN-S □ | 50Hz              | 500                         | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41   | 30   | 25   | 20 | 16 | 15  | 12.5 | 10  | 8.3 | 7.5 |
|                                                                    |                   | 600                         | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36   | 30   | 24 | 20 | 18  | 15   | 12  | 10  | 9   |
|                                                                    | 60Hz              | 0.49                        | 0.58 | 0.81 | 0.97 | 1.2  | 1.5  | 2.0  | 2.4  | 2.9  | 3.7  | 4.4  | 5.3  | 6.6  | 7.9  | 8  | 8  | 8   | 8    | 8   | 8   | 8   |
|                                                                    |                   | 5.00                        | 5.91 | 8.26 | 9.89 | 12.2 | 15.3 | 20.4 | 24.4 | 29.6 | 37.7 | 44.9 | 54.1 | 67.3 | 80   | 80 | 80 | 80  | 80   | 80  | 80  | 80  |
|                                                                    | 60Hz              | 0.40                        | 0.48 | 0.67 | 0.80 | 1.0  | 1.2  | 1.7  | 2.0  | 2.4  | 3.0  | 3.6  | 4.3  | 5.4  | 6.5  | 8  | 8  | 8   | 8    | 8   | 8   | 8   |
|                                                                    |                   | 4.08                        | 4.89 | 6.83 | 8.16 | 10.2 | 12.2 | 17.3 | 20.4 | 24.4 | 30.6 | 36.7 | 43.8 | 55.1 | 66.3 | 80 | 80 | 80  | 80   | 80  | 80  | 80  |

### ■ 外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

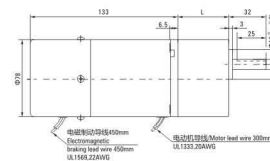
#### ● 导线型 Lead Wiring Type (感应/可逆 Induction/Reversible Motor)

重量 Weight : 电动机 Motor : 1.8kg 减速机 Gearhead : 0.83kg



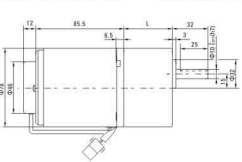
#### ● 导线型 Lead Wiring Type (刹车 Brake Motors)

重量 Weight : 电动机 Motor : 2.1kg 减速机 Gearhead : 0.8kg



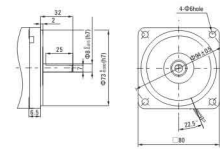
#### ● 导线型 Lead Wiring Type (调速 Speed Control Motors)

重量 Weight : 电动机 Motor : 1.7kg 减速机 Gearhead : 0.8kg



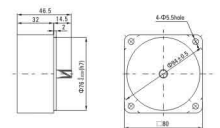
#### ● 圆轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中国减速机 Decimal Gearhead

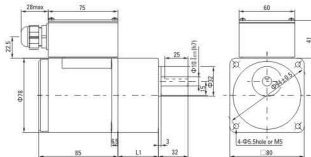
可安装在GN齿轴轴上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
GN100X  
重量 Weight : 0.41kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 4GN□                    | 3-18              | 32   |
|                         | 25-200            | 43.5 |

● 减速器型号中的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

● 带端子箱型 Terminal Box Type (感应/可逆Induction/Reversible Motor)  
重量 Weight : 电动机 Motor : 1.70kg 减速器 Gearhead : 0.8kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 4GN□K                   | 3-18              | 32   |
|                         | 25-200            | 43.5 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



# 40W

交流减速电机 □90mm  
AC GEAR MOTOR

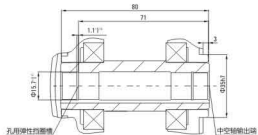
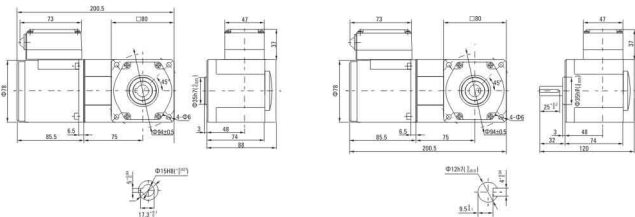
## 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型Type                                                        | 减速比Gear Ratio               | 3    | 3.8  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |      |
|---------------------------------------------------------------|-----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 电动机/减速器<br>Motor/Gearhead                                     | 转速Speed<br>r/min            | 50Hz | 500  | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 42   | 30   | 25   | 20   | 16   | 15   | 12   | 10   | 8    |
|                                                               |                             | 60Hz | 600  | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36   | 30   | 24   | 20   | 18   | 15   | 12   | 10   |
| 4K25GN-A□<br>4K25GN-E□<br>4K25GN-C□<br>4K25GN-H□<br>4K25GN-S□ | 容许力矩<br>Allowance<br>Torque | 50Hz | 0.36 | 0.43 | 0.59 | 0.71 | 0.99 | 1.18 | 1.64 | 1.97 | 2.37 | 3.29 | 3.95 | 4.73 | 6.58 | 7.10 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
|                                                               |                             | 60Hz | 3.62 | 4.35 | 6.04 | 7.25 | 10.1 | 12.1 | 16.8 | 20.1 | 24.2 | 33.5 | 40.3 | 48.3 | 67.1 | 72.5 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
|                                                               |                             | 60Hz | 0.29 | 0.34 | 0.48 | 0.57 | 0.80 | 0.95 | 1.33 | 1.59 | 1.91 | 2.65 | 3.18 | 3.82 | 5.30 | 5.73 | 7.16 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 |
|                                                               |                             | 60Hz | 2.92 | 3.51 | 4.87 | 5.84 | 8.12 | 9.74 | 13.5 | 16.2 | 19.5 | 27.1 | 32.5 | 39.0 | 54.1 | 58.4 | 73.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |

## ■ 感应尺寸图 Induction Type Drawing

4K25GN-A□/4GN□RC 4K25GN-C□/4GN□RT 4K25GN-E□/4GN□RC 4K25GN-H□/4GN□RT 4K25GN-S□/4GN□RC  
4K25GN-A□/4GN□RC 4K25GN-H□/4GN□RC 4K25GN-S□/4GN□RC 4K25GN-C□/4GN□RT 4K25GN-E□/4GN□RC 4K25GN-H□/4GN□RT 4K25GN-S□/4GN□RC



## ■ 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model - 类型 Type                                      | 输出功率<br>Output power                      | 电压<br>Voltage | 频率<br>Frequency | 电流<br>Current | 启动转矩<br>Starting Torque | 额定转矩<br>Rated Torque | 额定转速<br>Rated Speed | 电容器容量<br>Capacitor |
|--------------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------|----------------------|---------------------|--------------------|
| 上段:齿轴轴 Upper-Pinion Shaft<br>下段:内齿轴轴 Below-Round Shaft | 输出<br>power<br>W                          | V             | Hz              | A             | mN.m                    | mN.m                 | r/min               | μF                 |
| 导线型 Lead Wire Type<br>外形尺寸Dimensions①                  | 端子箱型 Terminal Box Type<br>外形尺寸Dimensions② |               |                 |               |                         |                      |                     |                    |
| 5K40GN-A (5K40A-A)                                     | 5K40GN-AT (5K40A-AT)                      | 40            | 1ph 100         | 50            | 0.65                    | 315                  | 1250                | 12.0               |
|                                                        |                                           |               | 60              | 0.70          | 220                     | 260                  | 1550                |                    |
| 5K40GN-E (5K40A-E)                                     | 5K40GN-ET (5K40A-ET)                      | 40            | 1ph 110         | 60            | 0.55                    | 200                  | 260                 | 1550               |
|                                                        |                                           |               | 1ph 120         | 60            | 0.60                    | 260                  | 1550                | 8.0                |
| 5K40GN-C (5K40A-C)                                     | 5K40GN-CT (5K40A-CT)                      | 40            | 1ph 220         | 50            | 0.35                    | 220                  | 315                 | 1550               |
|                                                        |                                           |               | 1ph 230         | 60            | 0.40                    | 260                  | 1550                | 2.5                |
| 5K40GN-H (5K40A-H)                                     | 5K40GN-HT (5K40A-HT)                      | 40            | 1ph 230         | 60            | 0.40                    | 200                  | 260                 | 1550               |
| 5K40GN-S (5K40A-S)                                     | 5K40GN-ST (5K40A-ST)                      | 40            | 3ph 220         | 50            | 0.30                    | 800                  | 315                 | 1250               |
|                                                        |                                           |               | 60              | 0.25          | 660                     | 250                  | 1550                | -                  |

## ■ 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model - 类型 Type                                      | 输出功率<br>Output power                      | 电压<br>Voltage | 频率<br>Frequency | 电流<br>Current | 启动转矩<br>Starting Torque | 额定转矩<br>Rated Torque | 额定转速<br>Rated Speed | 电容器容量<br>Capacitor |
|--------------------------------------------------------|-------------------------------------------|---------------|-----------------|---------------|-------------------------|----------------------|---------------------|--------------------|
| 上段:齿轴轴 Upper-Pinion Shaft<br>下段:内齿轴轴 Below-Round Shaft | 输出<br>power<br>W                          | V             | Hz              | A             | mN.m                    | mN.m                 | r/min               | μF                 |
| 导线型 Lead Wire Type<br>外形尺寸Dimensions①                  | 端子箱型 Terminal Box Type<br>外形尺寸Dimensions② |               |                 |               |                         |                      |                     |                    |
| 5K40GN-A (5K40A-A)                                     | 5K40GN-AT (5K40A-AT)                      | 40            | 1ph 100         | 50            | 0.78                    | 300                  | 315                 | 1250               |
|                                                        |                                           |               | 60              | 1.05          | 260                     | 260                  | 1550                | 15.0               |
| 5K40GN-E (5K40A-E)                                     | 5K40GN-ET (5K40A-ET)                      | 40            | 1ph 110         | 60            | 0.79                    | 260                  | 260                 | 1550               |
|                                                        |                                           |               | 1ph 120         | 60            | 0.89                    | 260                  | 1550                | 12.0               |
| 5K40GN-C (5K40A-C)                                     | 5K40GN-CT (5K40A-CT)                      | 40            | 1ph 220         | 50            | 0.45                    | 270                  | 315                 | 1250               |
|                                                        |                                           |               | 1ph 230         | 60            | 0.45                    | 270                  | 1550                | 3                  |
| 5K40GN-H (5K40A-H)                                     | 5K40GN-HT (5K40A-HT)                      | 40            | 1ph 220         | 60            | 0.45                    | 270                  | 260                 | 1550               |
|                                                        |                                           |               | 1ph 230         | 60            | 0.45                    | 270                  | 1550                | 3                  |

## ■ 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model - 类型 Type    | 最大<br>输出<br>功率<br>Output<br>power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed<br>Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque | 启动转矩<br>Starting Torque | 电流<br>Current | 电容器容量<br>Capacitor |
|----------------------|----------------------------------------|--------------------|-----------------------|--------------------------------------------|--------------------------|-------------------------|---------------|--------------------|
| 齿轮轴型<br>Pinion Shaft | 圆轴型<br>Round Shaft                     |                    |                       |                                            | 1200r/min<br>mN.m        | 90r/min<br>mN.m         | mN.m          | μF                 |
| 5K40RN-A             | 5K40RA-A                               | 40                 | 1ph 100               | 50                                         | 90-1350                  | 260                     | 70            | 180                |
|                      |                                        |                    | 60                    | 90-1650                                    | 260                      | 65                      | 180           | 12.0               |
| 5K40RN-E             | 5K40RA-E                               | 40                 | 1ph 110               | 60                                         | 90-1650                  | 260                     | 65            | 180                |
|                      |                                        |                    | 1ph 120               | 60                                         | 90-1650                  | 260                     | 65            | 8.0                |
| 5K40RN-C             | 5K40RA-C                               | 40                 | 1ph 220               | 50                                         | 90-1350                  | 300                     | 75            | 160                |
|                      |                                        |                    | 1ph 230               | 60                                         | 90-1350                  | 300                     | 75            | 2.5                |
| 5K40RN-H             | 5K40RA-H                               | 40                 | 1ph 220               | 60                                         | 90-1650                  | 230                     | 70            | 145                |
|                      |                                        |                    | 1ph 230               | 60                                         | 90-1650                  | 230                     | 70            | 2.5                |







# 60W

交流减速电机 □90mm  
AC GEAR MOTOR

### 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model / 类型Type<br>上段/齿轮轴 Upper Pinion Shaft<br>下段/内啮轮轴 Below/Round Shaft | 输出功率<br>Output power                        | 电压<br>Voltage | 频率<br>Frequency | 电流<br>Current | 启动转矩<br>Starting Torque | 额定转矩<br>Rated Torque | 额定转速<br>Rated Speed | 电容器容量<br>Capacitor |
|----------------------------------------------------------------------------|---------------------------------------------|---------------|-----------------|---------------|-------------------------|----------------------|---------------------|--------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                    | 端子箱型<br>Terminal Box Type<br>外形图Dimensions② | W             | V               | Hz            | A                       | mN.m                 | r/min               | μF                 |
| 5IK60GN-AF<br>(5IK60A-AF)                                                  | 5IK60GN-AFT<br>(5IK60A-AFT)                 | 60            | 1ph 100         | 50            | 1.00                    | 320                  | 470 1250            | 20.0               |
| 5IK60GN-EF<br>(5IK60A-EF)                                                  | 5IK60GN-EFT<br>(5IK60A-EFT)                 | 60            | 1ph 110         | 60            | 1.10                    | 380                  | 380 1550            | 12.0               |
|                                                                            |                                             |               |                 | 60            | 0.85                    | 300                  | 380 1550            |                    |
| 5IK60GN-CF<br>(5IK60A-CF)                                                  | 5IK60GN-CFT<br>(5IK60A-CFT)                 | 60            | 1ph 220         | 50            | 0.50                    | 340                  | 470 1250            | 4.0                |
|                                                                            |                                             |               |                 | 60            | 0.55                    | 340                  | 380 1550            |                    |
| 5IK60GN-HF<br>(5IK60A-HF)                                                  | 5IK60GN-HFT<br>(5IK60A-HFT)                 | 60            | 1ph 220         | 60            | 0.50                    | 340                  | 380 1550            | 4.0                |
|                                                                            |                                             |               |                 | 60            | 0.55                    | 340                  | 380 1550            |                    |
| 5IK60GN-SF<br>(5IK60A-SF)                                                  | 5IK60GN-SFT<br>(5IK60A-SFT)                 | 60            | 3ph 220         | 50            | 0.45                    | 1000                 | 470 1250            | -                  |
|                                                                            |                                             |               |                 | 60            | 0.40                    | 800                  | 380 1550            |                    |

### 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model / 类型Type<br>上段/齿轮轴 Upper Pinion Shaft<br>下段/内啮轮轴 Below/Round Shaft | 输出功率<br>Output power                        | 电压<br>Voltage | 频率<br>Frequency | 电流<br>Current | 启动转矩<br>Starting Torque | 额定转矩<br>Rated Torque | 额定转速<br>Rated Speed | 电容器容量<br>Capacitor |
|----------------------------------------------------------------------------|---------------------------------------------|---------------|-----------------|---------------|-------------------------|----------------------|---------------------|--------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                    | 端子箱型<br>Terminal Box Type<br>外形图Dimensions② | W             | V               | Hz            | A                       | mN.m                 | r/min               | μF                 |
| 5IK60GN-AF<br>(5IK60A-AF)                                                  | 5IK60GN-AFT<br>(5IK60A-AFT)                 | 60            | 1ph 100         | 50            | 1.26                    | 470                  | 470 1250            | 25.0               |
|                                                                            |                                             |               |                 | 60            | 1.70                    | 380                  | 380 1550            |                    |
| 5IK60GN-EF<br>(5IK60A-EF)                                                  | 5IK60GN-EFT<br>(5IK60A-EFT)                 | 60            | 1ph 110         | 60            | 1.05                    | 330                  | 380 1550            | 15.0               |
|                                                                            |                                             |               |                 | 60            | 1.05                    | 380                  | 380 1550            |                    |
| 5IK60GN-CF<br>(5IK60A-CF)                                                  | 5IK60GN-CFT<br>(5IK60A-CFT)                 | 60            | 1ph 220         | 50            | 0.55                    | 420                  | 470 1250            | 4.5                |
|                                                                            |                                             |               |                 | 60            | 0.60                    | 460                  | 460 1550            |                    |
| 5IK60GN-HF<br>(5IK60A-HF)                                                  | 5IK60GN-HFT<br>(5IK60A-HFT)                 | 60            | 1ph 220         | 60            | 0.55                    | 420                  | 380 1550            | 4.5                |
|                                                                            |                                             |               |                 | 60            | 0.60                    | 460                  | 460 1550            |                    |

### 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model / 类型Type<br>导线型 Lead Wire Type | 最大输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control Range<br>r/min | 容许转矩<br>Allowance Torque |                 | 启动转矩<br>Starting Torque<br>mN.m | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>μF |
|----------------------------------------|-----------------------------|--------------------|-----------------------|--------------------------------------|--------------------------|-----------------|---------------------------------|--------------------|--------------------------|
|                                        |                             |                    |                       |                                      | 1200r/min<br>mN.m        | 90r/min<br>mN.m |                                 |                    |                          |
| 5IK60GN-AF<br>(5IK60A-AF)              | 60                          | 1ph 100            | 50                    | 90-1350                              | 460                      | 140             | 265                             | 1.00               | 20.0                     |
|                                        |                             |                    |                       |                                      | 490                      | 160             | 1.10                            |                    |                          |
| 5IK60GN-EF<br>(5IK60A-EF)              | 60                          | 1ph 110            | 60                    | 90-1650                              | 490                      | 160             | 265                             | 0.80               | 12.0                     |
|                                        |                             |                    |                       |                                      | 490                      | 160             | 0.85                            |                    |                          |
| 5IK60GN-CF<br>(5IK60A-CF)              | 60                          | 1ph 220            | 50                    | 90-1350                              | 490                      | 140             | 265                             | 0.50               | 4.0                      |
|                                        |                             |                    |                       |                                      | 490                      | 140             | 0.55                            |                    |                          |
| 5IK60GN-HF<br>(5IK60A-HF)              | 60                          | 1ph 220            | 60                    | 90-1650                              | 490                      | 160             | 265                             | 0.50               | 4.0                      |
|                                        |                             |                    |                       |                                      | 490                      | 160             | 0.55                            |                    |                          |

### 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售。中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速器型号的□中为减速比的数值。  
Enter the gear ratio in the box(□) within the model name.
- □色表表示与电动机同一方向旋转，其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

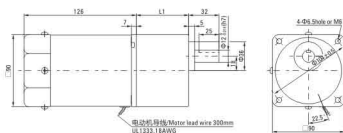
| 类型 Type<br>电动机/减速机<br>Motor/Gearhead                                    | 减速比<br>Gear Ratio | 3                   | 3.6 | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60  | 75  | 90  | 100 | 120 | 150  | 180 | 200 |     |
|-------------------------------------------------------------------------|-------------------|---------------------|-----|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|-----|-----|-----|
|                                                                         |                   | 50Hz<br>Speed r/min | 500 | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41   | 30  | 25  | 20  | 16  | 15  | 12.5 | 10  | 8.3 | 7.5 |
| 5IK60GN-AF□<br>5IK60GN-EF□<br>5IK60GN-CF□<br>5IK60GN-HF□<br>5IK60GN-SF□ | 5GN□K             | 50Hz                | □   | 1.4  | 1.9  | 2.3  | 2.9  | 3.4  | 4.8  | 5.7  | 6.8  | 8.6  | 10   | 10   | 10  | 10  | 10  | 10  | 10  | 10   | 10  | 10  | 10  |
|                                                                         |                   |                     | □   | 11.2 | 14.2 | 19.3 | 23.4 | 29.6 | 34.7 | 48.9 | 58.1 | 69.3 | 87.7 | 100  | 100 | 100 | 100 | 100 | 100 | 100  | 100 | 100 | 100 |
|                                                                         |                   |                     | □   | 0.92 | 1.1  | 1.5  | 1.8  | 2.3  | 2.8  | 3.8  | 4.6  | 5.5  | 6.9  | 8.3  | 10  | 10  | 10  | 10  | 10  | 10   | 10  | 10  | 10  |
| 5IK60GN-AF□<br>5IK60GN-EF□<br>5IK60GN-CF□<br>5IK60GN-HF□<br>5IK60GN-SF□ | 5GN□K             | 60Hz                | □   | 9.38 | 11.2 | 15.3 | 18.3 | 23.4 | 28.5 | 38.7 | 46.9 | 56.1 | 70.1 | 84.7 | 100 | 100 | 100 | 100 | 100 | 100  | 100 | 100 | 100 |
|                                                                         |                   |                     | □   | 9.38 | 11.2 | 15.3 | 18.3 | 23.4 | 28.5 | 38.7 | 46.9 | 56.1 | 70.1 | 84.7 | 100 | 100 | 100 | 100 | 100 | 100  | 100 | 100 | 100 |
|                                                                         |                   |                     | □   | 9.38 | 11.2 | 15.3 | 18.3 | 23.4 | 28.5 | 38.7 | 46.9 | 56.1 | 70.1 | 84.7 | 100 | 100 | 100 | 100 | 100 | 100  | 100 | 100 | 100 |

### 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

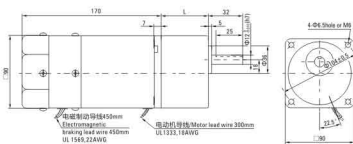
#### ● 导线型 Lead Wiring Type (感应/可逆 Induction/Reversible Motor)

重量 Weight : 电动机 Motor : 2.7kg 减速器 Gearhead : 1.35kg



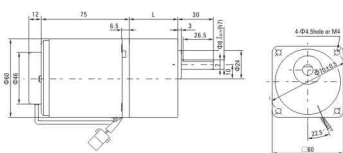
#### ● 导线型 Lead Wiring Type (刹车 Brake Motors)

重量 Weight : 电动机 Motor : 3.5kg 减速器 Gearhead : 1.35kg



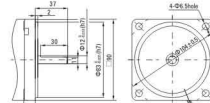
#### ● 导线型 Lead Wiring Type (调速 Speed Control Motors)

重量 Weight : 电动机 Motor : 1.1kg 减速器 Gearhead : 0.5kg



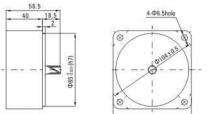
#### ● 轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部分电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中间减速器 Decimal Gearhead

可安装在GN齿轴轴上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同  
Motor shape same as gear shaft type  
重量 Weight : 0.6kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 5GN□K                   | 3-18              | 42 |
|                         | 25-200            | 60 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



# 60W

交流减速电机 □90mm  
AC GEAR MOTOR

### 感应电动机参数 INDUCTION MOTOR SPECS

| 型号 Model - 类型 Type<br>上段总轴轴 Upper Prison Shaft<br>下段(内)轴轴 Below/Round Shaft |                                             | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mNm | 额定转矩<br>Rated Torque<br>mNm | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|-----------------------------------------------------------------------------|---------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|--------------------------------|-----------------------------|------------------------------|--------------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                     | 端子箱型<br>Terminal Box Type<br>外形图Dimensions② |                           |                    |                       |                    |                                |                             |                              |                          |
| SIK60GU-AF                                                                  | SIK60GU-AFT                                 | 60                        | 1ph 100            | 50                    | 1.00               | 320                            | 470                         | 1250                         | 20.0                     |
|                                                                             |                                             |                           |                    |                       | 0.80               | 380                            | 1550                        |                              |                          |
| SIK60GU-EF                                                                  | SIK60GU-EFT                                 | 60                        | 1ph 110            | 60                    | 1.10               | 300                            | 380                         | 1550                         | 12.0                     |
|                                                                             |                                             |                           |                    |                       | 0.85               | 380                            | 1550                        |                              |                          |
| SIK60GU-CF                                                                  | SIK60GU-CFT                                 | 60                        | 1ph 220            | 50                    | 0.50               | 340                            | 470                         | 1250                         | 4.0                      |
|                                                                             |                                             |                           |                    |                       | 0.55               | 380                            | 1550                        |                              |                          |
| SIK60GU-HF                                                                  | SIK60GU-HFT                                 | 60                        | 1ph 220            | 60                    | 0.50               | 340                            | 380                         | 1550                         |                          |
|                                                                             |                                             |                           |                    |                       | 0.55               | 380                            | 1550                        |                              |                          |
| SIK60GU-SF                                                                  | SIK60GU-SFT                                 | 60                        | 3ph 220            | 60                    | 0.45               | 1000                           | 470                         | 1250                         |                          |
|                                                                             |                                             |                           |                    |                       | 0.40               | 800                            | 380                         | 1550                         |                          |

### 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号 Model - 类型 Type<br>上段总轴轴 Upper Prison Shaft<br>下段(内)轴轴 Below/Round Shaft |                                             | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mNm | 额定转矩<br>Rated Torque<br>mNm | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|-----------------------------------------------------------------------------|---------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|--------------------------------|-----------------------------|------------------------------|--------------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                     | 端子箱型<br>Terminal Box Type<br>外形图Dimensions② |                           |                    |                       |                    |                                |                             |                              |                          |
| SIK60GU-AF                                                                  | SIK60GU-AFT                                 | 60                        | 1ph 100            | 50                    | 1.26               | 470                            | 470                         | 1250                         | 25.0                     |
|                                                                             |                                             |                           |                    |                       | 1.70               | 380                            | 1550                        |                              |                          |
| SIK60GU-EF                                                                  | SIK60GU-EFT                                 | 60                        | 1ph 110            | 60                    | 1.05               | 330                            | 380                         | 1550                         | 15.0                     |
|                                                                             |                                             |                           |                    |                       | 0.85               | 380                            | 1550                        |                              |                          |
| SIK60GU-CF                                                                  | SIK60GU-CFT                                 | 60                        | 1ph 220            | 50                    | 0.55               | 420                            | 470                         | 1250                         | 4.5                      |
|                                                                             |                                             |                           |                    |                       | 0.60               | 460                            | 1550                        |                              |                          |
| SIK60GU-HF                                                                  | SIK60GU-HFT                                 | 60                        | 1ph 220            | 60                    | 0.55               | 420                            | 380                         | 1550                         | 4.5                      |
|                                                                             |                                             |                           |                    |                       | 0.60               | 460                            | 1550                        |                              |                          |

### 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号 Model - 类型 Type<br>导线型 Lead Wire Type |  | 最大<br>输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque |                | 启动转矩<br>Starting Torque<br>mNm | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>μF |
|------------------------------------------|--|---------------------------------|--------------------|-----------------------|-----------------------------------------|--------------------------|----------------|--------------------------------|--------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft                     |  |                                 |                    |                       |                                         | 1200r/min<br>mNm         | 90r/min<br>mNm |                                |                    |                          |
| SIK60RGU-AF                              |  | 60                              | 1ph 100            | 60                    | 90-1350                                 | 460                      | 140            | 265                            | 1.00               | 20.0                     |
|                                          |  |                                 |                    |                       |                                         | 490                      | 160            | 1.10                           |                    |                          |
| SIK60RGU-EF                              |  | 60                              | 1ph 110            | 60                    | 90-1650                                 | 490                      | 160            | 265                            | 0.80               | 12.0                     |
|                                          |  |                                 |                    |                       |                                         | 0.85                     |                |                                |                    |                          |
| SIK60RGU-CF                              |  | 60                              | 1ph 220            | 50                    | 90-1350                                 | 490                      | 140            | 265                            | 0.50               | 4.0                      |
|                                          |  |                                 |                    |                       |                                         | 0.55                     |                |                                |                    |                          |
| SIK60RGU-HF                              |  | 60                              | 1ph 220            | 60                    | 90-1650                                 | 490                      | 160            | 265                            | 0.50               | 4.0                      |
|                                          |  |                                 |                    |                       |                                         | 0.55                     |                |                                |                    |                          |

### 装有减速机时的容许转矩 Gear Motor-Torque Table

- 减速机另售 中间减速机另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速机型号的□中为减速机比数值。  
Enter the gear ratio in the box (□) within the model name.
- 表示与电动机同一方向运转, 其他则为相反方向。  
The colored background ■ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

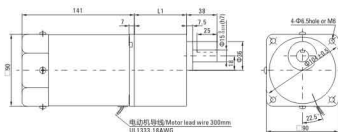
| 类型 Type<br>电动机/减速机<br>Motor/Gearhead                                    | 减速比<br>Gear Ratio | 3              | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60  | 75  | 90   | 100 | 120 | 150 | 180  | 200 |
|-------------------------------------------------------------------------|-------------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|-----|-----|-----|------|-----|
|                                                                         |                   | 50□KB<br>50□CK | 50Hz | 500  | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41  | 30  | 25   | 20  | 16  | 15  | 12.5 | 10  |
| SIK90GU-AF□<br>SIK90GU-EF□<br>SIK90GU-CF□<br>SIK90GU-HF□<br>SIK90GU-SF□ | 50Hz              | 1.1            | 2.0  | 2.8  | 3.4  | 4.3  | 5.1  | 6.4  | 7.7  | 9.2  | 11.6 | 13.6 | 16.6 | 20   | 20  | 18  | 15   | 12  | 10  | 9   |      |     |
|                                                                         | 60Hz              | 17.3           | 20.4 | 28.6 | 34.7 | 43.9 | 52.0 | 65.3 | 78.6 | 93.3 | 118  | 142  | 169  | 200  | 200 | 200 | 200  | 200 | 200 | 200 | 200  | 200 |
|                                                                         | 60Hz              | 1.4            | 1.7  | 2.3  | 2.8  | 3.5  | 4.2  | 5.2  | 6.2  | 7.5  | 9.4  | 11.3 | 13.5 | 18.8 | 20  | 20  | 18.8 | 20  | 20  | 20  | 20   | 20  |
|                                                                         | 60Hz              | 14.3           | 17.3 | 23.5 | 28.6 | 35.7 | 42.9 | 53.1 | 63.3 | 76.5 | 95.9 | 115  | 138  | 19.2 | 200 | 192 | 200  | 200 | 200 | 200 | 200  | 200 |

### 外形图 (单位 mm) Dimensions(Unit mm)

减速机时带有安装用螺丝 Mounting screws are included with gearhead.

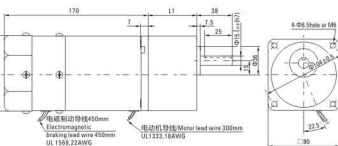
#### ● 导线型 Lead Wiring Type (感应/可逆/Induction/Reversible Motor)

重量 Weight : 电动机 Motor : 3.2kg 减速机 Gearhead : 1.5kg



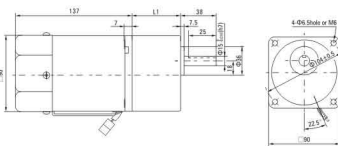
#### ● 导线型 Lead Wiring Type (刹车 Brake Motors)

重量 Weight : 电动机 Motor : 3.55kg 减速机 Gearhead : 1.5kg



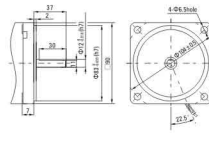
#### ● 导线型 Lead Wiring Type (调速 Speed Control Motors)

重量 Weight : 电动机 Motor : 2.8kg 减速机 Gearhead : 1.5kg



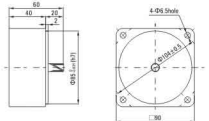
#### ● 圆轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外形电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



#### ● 中间减速机 Decimal Gearhead

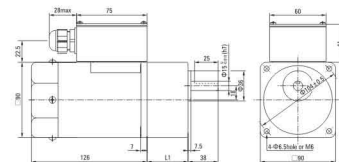
可安装在齿轮轴型 I can be connected to GIU pinion shaft type  
电动机外形与齿轮轴型相同  
SIK100X  
重量 Weight : 0.65kg



| 减速机型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 50□KB                   | 3-200             | 65.5 |

● 减速机型号的□中为减速机比数值  
Enter the gear ratio in the box (□) within the model name

● 带端子箱型 Terminal Box Type (感应可逆 Induction/Reversible Motor)  
重量 Weight: 电动机 Motor: 2.85kg 减速机 Gearhead: 1.5kg



| 减速机型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 5GU□KB                  | 3~200             | 65.5 |

● 减速机型号中的□为减速比的数值  
Enter the gear ratio in the box (□) within the model name



# 90W

交流减速机 □90mm  
AC GEAR MOTOR

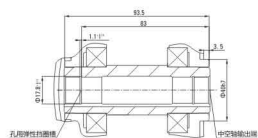
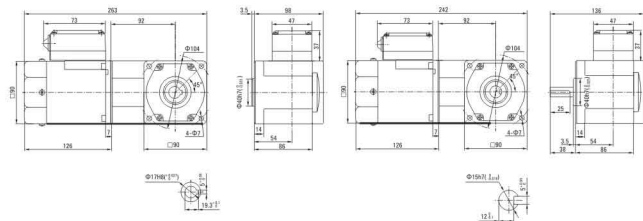
### 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型Type<br>电动机/减速机<br>Motor/Gearhead                                | 齿数比 Gear Ratio | 容许力矩 Allowance Torque |      |      |      |       |       |       |       |       |       |       |      |      |      |      |      |      |      |      |      |
|--------------------------------------------------------------------|----------------|-----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|------|------|------|------|------|
|                                                                    |                | 3                     | 3.6  | 5    | 6    | 7.5   | 9     | 12.5  | 15    | 18    | 25    | 30    | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |
| 5K90GU-AF□<br>5K90GU-EF□<br>5K90GU-CF□<br>5K90GU-HF□<br>5K90GU-SF□ | 50Hz           | 500                   | 417  | 300  | 250  | 200   | 166   | 120   | 100   | 83    | 60    | 50    | 42   | 30   | 25   | 20   | 16   | 15   | 12   | 10   | 8    |
|                                                                    |                | 60Hz                  | 600  | 500  | 360  | 300   | 240   | 200   | 144   | 120   | 100   | 72    | 60   | 50   | 36   | 30   | 24   | 20   | 18   | 15   | 12   |
| 5K90GU-AF□<br>5K90GU-EF□<br>5K90GU-CF□<br>5K90GU-HF□<br>5K90GU-SF□ | 60Hz           | 0.85                  | 1.02 | 1.42 | 1.70 | 2.37  | 2.84  | 3.95  | 4.73  | 5.68  | 7.89  | 9.47  | 10.2 | 14.2 | 17.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                                                    |                | 8.70                  | 10.4 | 14.5 | 17.4 | 24.2  | 29.0  | 40.3  | 48.3  | 58.0  | 80.5  | 96.6  | 104  | 145  | 174  | 200  | 200  | 200  | 200  | 200  | 200  |
| 5K90GU-AF□<br>5K90GU-EF□<br>5K90GU-CF□<br>5K90GU-HF□<br>5K90GU-SF□ | 60Hz           | 0.69                  | 0.82 | 1.15 | 1.37 | 1.91  | 2.29  | 3.18  | 3.82  | 4.58  | 6.36  | 7.64  | 8.25 | 11.5 | 13.7 | 17.2 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                                                    |                | 6.73                  | 8.08 | 11.2 | 13.5 | 19.48 | 23.37 | 32.46 | 38.96 | 46.75 | 64.93 | 77.92 | 84.1 | 117  | 140  | 175  | 200  | 200  | 200  | 200  | 200  |

### ■ 感应尺寸图 Induction Type Drawing

5K90GU-AF□/5GU□RC 5K90GU-EF□/5GU□RC 5K90GU-CF□/5GU□RC 5K90GU-HF□/5GU□RC 5K90GU-SF□/5GU□RC  
5K90GU-AF□/5GU□RT 5K90GU-EF□/5GU□RT 5K90GU-CF□/5GU□RT 5K90GU-HF□/5GU□RT 5K90GU-SF□/5GU□RT



### ■ 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model · 类型 Type       | 上段 齿轴轴<br>下段(内)圆轴轴        | 输出功率<br>Output power | 电压<br>Voltage | 频率<br>Frequency | 电流<br>Current | 启动转矩<br>Starting Torque | 额定转矩<br>Rated Torque | 额定转速<br>Rated Speed | 电容器容量<br>Capacitor |
|-------------------------|---------------------------|----------------------|---------------|-----------------|---------------|-------------------------|----------------------|---------------------|--------------------|
| 导线型<br>Lead Wire Type   | 端子箱型<br>Terminal Box Type | W                    | V             | Hz              | A             | mN.m                    | mN.m                 | r/min               | μF                 |
| 5K90GU-AF<br>(5K90A-AF) | 5K90GU-AFT<br>(5K90A-AFT) | 90                   | 1ph 100       | 50              | 1.55          | 450                     | 700                  | 1250                | 25.0               |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-EF<br>(5K90A-EF) | 5K90GU-EFT<br>(5K90A-EFT) | 90                   | 1ph 110       | 60              | 1.40          | 500                     | 570                  | 1550                | 20.0               |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-CF<br>(5K90A-CF) | 5K90GU-CFT<br>(5K90A-CFT) | 90                   | 1ph 220       | 50              | 0.72          | 450                     | 700                  | 1250                | 5.0                |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-HF<br>(5K90A-HF) | 5K90GU-HFT<br>(5K90A-HFT) | 90                   | 1ph 220       | 60              | 0.71          | 450                     | 570                  | 1550                | 5.0                |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-SF<br>(5K90A-SF) | 5K90GU-SFT<br>(5K90A-SFT) | 90                   | 3ph 220       | 50              | 0.60          | 1350                    | 700                  | 1250                | -                  |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |

### ■ 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model · 类型 Type       | 上段 齿轴轴<br>下段(内)圆轴轴        | 输出功率<br>Output power | 电压<br>Voltage | 频率<br>Frequency | 电流<br>Current | 启动转矩<br>Starting Torque | 额定转矩<br>Rated Torque | 额定转速<br>Rated Speed | 电容器容量<br>Capacitor |
|-------------------------|---------------------------|----------------------|---------------|-----------------|---------------|-------------------------|----------------------|---------------------|--------------------|
| 导线型<br>Lead Wire Type   | 端子箱型<br>Terminal Box Type | W                    | V             | Hz              | A             | mN.m                    | mN.m                 | r/min               | μF                 |
| 5K90GU-AF<br>(5K90A-AF) | 5K90GU-AFT<br>(5K90A-AFT) | 90                   | 1ph 100       | 50              | 1.78          | 600                     | 700                  | 1250                | 30.0               |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-EF<br>(5K90A-EF) | 5K90GU-EFT<br>(5K90A-EFT) | 90                   | 1ph 110       | 60              | 1.72          | 550                     | 570                  | 1550                | 25.0               |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-CF<br>(5K90A-CF) | 5K90GU-CFT<br>(5K90A-CFT) | 90                   | 1ph 220       | 50              | 0.82          | 560                     | 700                  | 1250                | 6.0                |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |
| 5K90GU-HF<br>(5K90A-HF) | 5K90GU-HFT<br>(5K90A-HFT) | 90                   | 1ph 220       | 60              | 0.80          | 560                     | 560                  | 1550                | 6.0                |
|                         |                           |                      |               |                 |               |                         |                      |                     |                    |

### ■ 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model · 类型 Type    | 最大<br>输出功率<br>Output power | 电压<br>Voltage | 频率<br>Frequency | 调速范围<br>Speed Control Range | 容许转矩<br>Allowance Torque      | 启动转矩<br>Starting Torque | 电流<br>Current | 电容器容量<br>Capacitor |
|----------------------|----------------------------|---------------|-----------------|-----------------------------|-------------------------------|-------------------------|---------------|--------------------|
| 齿轮轴型<br>Pinion Shaft | 圆轴型<br>Round Shaft         | W             | V               | Hz                          | 1200/r/min<br>90°/min<br>mN.m | mN.m                    | A             | μF                 |
| 5K90GU-AF            | 5K90RA-AF                  | 90            | 1ph 100         | 50                          | 90-1350                       | 710                     | 405           | 1.55               |
|                      |                            |               |                 |                             |                               |                         |               |                    |
| 5K90GU-EF            | 5K90RA-EF                  | 90            | 1ph 110         | 60                          | 90-1650                       | 710                     | 260           | 20.0               |
|                      |                            |               |                 |                             |                               |                         |               |                    |
| 5K90GU-CF            | 5K90RA-CF                  | 90            | 1ph 220         | 50                          | 90-1350                       | 710                     | 230           | 5.0                |
|                      |                            |               |                 |                             |                               |                         |               |                    |
| 5K90GU-HF            | 5K90RA-HF                  | 90            | 1ph 220         | 60                          | 90-1650                       | 710                     | 260           | 5.0                |
|                      |                            |               |                 |                             |                               |                         |               |                    |

■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售 中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速器型号的 □ 中为减速比的数值。  
Enter the gear ratio in the box (□) within the model name.
- 颜色表示与电动机同一方向运转，其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

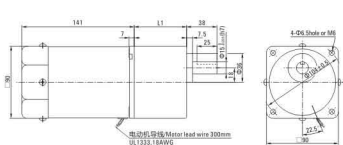
容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

| 类型 Type<br>电动机/减速机<br>Motor/Gearhead                                    | 减速比<br>Gear Ratio | 3   | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75  | 90  | 100  | 120 | 150  | 180 | 200 |                    |     |
|-------------------------------------------------------------------------|-------------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|------|-----|------|-----|-----|--------------------|-----|
|                                                                         |                   |     |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |      |     |      |     |     | 转速<br>Speed /r/min |     |
| 5K190GU-AF□<br>5K190GU-EF□<br>5K190GU-CF□<br>5K190GU-HF□<br>5K190GU-SF□ | 50Hz              | 500 | 500  | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41   | 30   | 25  | 20  | 16   | 15  | 12.5 | 10  | 8.3 | 7.5                |     |
|                                                                         |                   |     | 600  | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36   | 30  | 24  | 20   | 18  | 15   | 12  | 10  | 9                  |     |
|                                                                         | 60Hz              | 500 | 1.1  | 2.0  | 2.8  | 3.4  | 4.3  | 5.1  | 6.4  | 7.7  | 9.2  | 11.6 | 13.6 | 16.6 | 20   | 20  | 20  | 20   | 20  | 20   | 20  | 20  | 20                 | 20  |
|                                                                         |                   |     | 17.3 | 20.4 | 28.6 | 34.7 | 43.9 | 52.0 | 65.3 | 78.6 | 93.3 | 118  | 142  | 169  | 200  | 200 | 200 | 200  | 200 | 200  | 200 | 200 | 200                | 200 |
|                                                                         | 60Hz              | 500 | 1.4  | 1.7  | 2.3  | 2.8  | 3.5  | 4.2  | 5.2  | 6.2  | 7.5  | 9.4  | 11.3 | 13.5 | 18.8 | 20  | 20  | 18.8 | 20  | 20   | 20  | 20  | 20                 | 20  |
|                                                                         |                   |     | 14.3 | 17.3 | 23.5 | 28.6 | 35.7 | 42.9 | 53.1 | 63.3 | 76.5 | 95.9 | 115  | 138  | 19.2 | 200 | 200 | 192  | 200 | 200  | 200 | 200 | 200                | 200 |

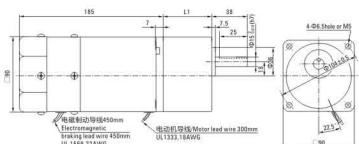
■ 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

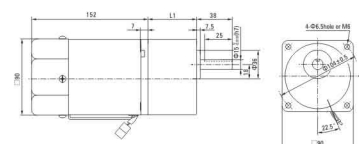
- 导线型 Lead Wiring Type (感应/可逆 Induction/Reversible Motor)  
重量 Weight : 电动机 Motor : 3.2kg 减速器 Gearhead : 1.5kg



- 导线型 Lead Wiring Type (刹车 Brake Motors)  
重量 Weight : 电动机 Motor : 4.3kg 减速器 Gearhead : 1.5kg

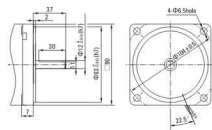


- 导线型 Lead Wiring Type (调速 Speed Control Motors)  
重量 Weight : 电动机 Motor : 3.3kg 减速器 Gearhead : 1.5kg

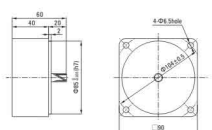


● 圆锥轴的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外形电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



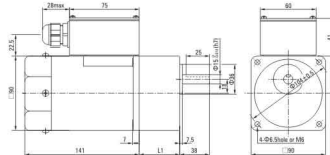
- 中间减速器 Decimal Gearhead  
可安装在GU齿轴轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同  
SGU100K  
重量 Weight : 0.85kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| SGU□KB                  | 3~200             | 65.5 |

• 减速器型号的 □ 中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

- 带端子型 Terminal Box Type (感应/可逆 Induction/Reversible Motor)  
重量 Weight : 电动机 Motor : 3.35kg 减速器 Gearhead : 1.5kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 5GU□KB                  | 3~200             | 65.5 |

• 减速器型号的 □ 中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

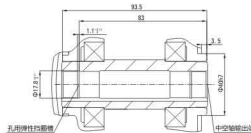
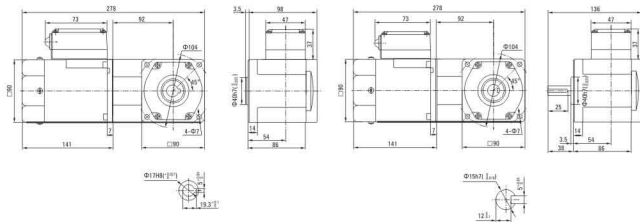
圆锥直角  
SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit : 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型 Type<br>电动机/减速机<br>Motor/Gearhead                                    | 减速比 Gear Ratio | 3   | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |                 |
|-------------------------------------------------------------------------|----------------|-----|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|
|                                                                         |                |     |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 转速 Speed /r/min |
| 5K190GU-AF□<br>5K190GU-EF□<br>5K190GU-CF□<br>5K190GU-HF□<br>5K190GU-SF□ | 50Hz           | 500 | 500  | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 42   | 30   | 25   | 20   | 16   | 15   | 12   | 10   | 8               |
|                                                                         |                |     | 600  | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36   | 30   | 24   | 20   | 18   | 15   | 12   | 10              |
|                                                                         | 60Hz           | 500 | 1.28 | 1.53 | 2.13 | 2.56 | 3.55 | 4.26 | 5.92 | 7.10 | 8.52 | 11.8 | 14.2 | 15.3 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0            |
|                                                                         |                |     | 13.0 | 15.7 | 21.7 | 26.1 | 36.2 | 43.5 | 60.4 | 72.5 | 87.0 | 121  | 145  | 157  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200             |
|                                                                         | 60Hz           | 500 | 1.03 | 1.24 | 1.72 | 2.06 | 2.86 | 3.44 | 4.77 | 5.73 | 6.87 | 9.54 | 11.5 | 12.4 | 17.2 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0            |
|                                                                         |                |     | 10.5 | 12.6 | 17.5 | 21.0 | 29.2 | 35.1 | 48.7 | 58.4 | 70.1 | 97.4 | 117  | 126  | 175  | 200  | 200  | 200  | 200  | 200  | 200  | 200             |

■ 感应尺寸图 Induction Type Drawing

- 5K190GU-AF□SGU□RC 5K190GU-CF□SGU□RC 5K190GU-EF□SGU□RC 5K190GU-HF□SGU□RC 5K190GU-SF□SGU□RC
- 5K190GU-AF□SGU□RT 5K190GU-CF□SGU□RT 5K190GU-HF□SGU□RT 5K190GU-SF□SGU□RT





# 120W

交流减速电机 □90mm  
AC GEAR MOTOR

### 感应电动机参数 INDUCTION MOTOR SPECS

| 型号 Model · 类型 Type<br>上段 齿轮轴 Upper Pinion Shaft<br>下段(内)型轴 Below/Round Shaft |                                              | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting<br>Torque<br>mN.m | 额定转矩<br>Rated<br>Torque<br>mN.m | 额定转速<br>Rated<br>Speed<br>r/min | 电容器容量<br>Capacitor<br>µF |
|------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|------------------------------------|---------------------------------|---------------------------------|--------------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                      | 带端子箱型<br>Terminal Box Type<br>外形图Dimensions② |                           |                    |                       |                    |                                    |                                 |                                 |                          |
| 5K120GU-AF<br>(5K120A-AF)                                                    | 5K120GU-AFT<br>(5K120A-AFT)                  | 120                       | 1ph 100            | 50                    | 2.1                | 600                                | 930                             | 1250                            | 30.0                     |
|                                                                              |                                              |                           |                    |                       | 7.5                |                                    | 750                             |                                 |                          |
| 5K120GU-EF<br>(5K120A-EF)                                                    | 5K120GU-EFT<br>(5K120A-EFT)                  | 120                       | 1ph 110            | 60                    | 1.65               | 600                                | 750                             | 1550                            | 25.0                     |
|                                                                              |                                              |                           |                    |                       | 1.80               |                                    | 1550                            |                                 |                          |
| 5K120GU-CF<br>(5K120A-CF)                                                    | 5K120GU-CFT<br>(5K120A-CFT)                  | 120                       | 1ph 220            | 50                    | 1.0                | 650                                | 930                             | 1250                            | 7.0                      |
|                                                                              |                                              |                           |                    |                       | 0.95               |                                    | 1250                            |                                 |                          |
| 5K120GU-HF<br>(5K120A-HF)                                                    | 5K120GU-HFT<br>(5K120A-HFT)                  | 120                       | 1ph 230            | 60                    | 1.0                | 600                                | 750                             | 1550                            | 7.0                      |
|                                                                              |                                              |                           |                    |                       | 0.95               |                                    | 1550                            |                                 |                          |
| 5K120GU-SF<br>(5K120A-SF)                                                    | 5K120GU-SFT<br>(5K120A-SFT)                  | 120                       | 3ph 220            | 50                    | 0.70               | 1850                               | 930                             | 1250                            | -                        |
|                                                                              |                                              |                           |                    |                       | 0.60               |                                    | 1600                            |                                 |                          |

### 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号 Model · 类型 Type<br>上段 齿轮轴 Upper Pinion Shaft<br>下段(内)型轴 Below/Round Shaft |                                              | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting<br>Torque<br>mN.m | 额定转矩<br>Rated<br>Torque<br>mN.m | 额定转速<br>Rated<br>Speed<br>r/min | 电容器容量<br>Capacitor<br>µF |
|------------------------------------------------------------------------------|----------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|------------------------------------|---------------------------------|---------------------------------|--------------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                      | 带端子箱型<br>Terminal Box Type<br>外形图Dimensions② |                           |                    |                       |                    |                                    |                                 |                                 |                          |
| 5KR120GU-AF<br>(5KR120A-AF)                                                  | 5KR120GU-AFT<br>(5KR120A-AFT)                | 120                       | 1ph 100            | 50                    | 2.25               | 700                                | 930                             | 1250                            | 35.0                     |
|                                                                              |                                              |                           |                    |                       | 60                 |                                    | 2.85                            |                                 |                          |
| 5KR120GU-EF<br>(5KR120A-EF)                                                  | 5KR120GU-EFT<br>(5KR120A-EFT)                | 120                       | 1ph 110            | 60                    | 1.90               | 650                                | 750                             | 1550                            | 30.0                     |
|                                                                              |                                              |                           |                    |                       | 1.20               |                                    | 720                             |                                 |                          |
| 5KR120GU-CF<br>(5KR120A-CF)                                                  | 5KR120GU-CFT<br>(5KR120A-CFT)                | 120                       | 1ph 220            | 50                    | 1.15               | 720                                | 930                             | 1250                            | 8.0                      |
|                                                                              |                                              |                           |                    |                       | 1.20               |                                    | 1250                            |                                 |                          |
| 5KR120GU-HF<br>(5KR120A-HF)                                                  | 5KR120GU-HFT<br>(5KR120A-HFT)                | 120                       | 1ph 230            | 60                    | 1.20               | 720                                | 750                             | 1550                            | 8.0                      |
|                                                                              |                                              |                           |                    |                       | 1.20               |                                    | 1550                            |                                 |                          |

### 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号 Model · 类型 Type<br>导线型 Lead Wire Type |                    | 最大输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque |         | 启动转矩<br>Starting<br>Torque<br>mN.m | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>µF |
|------------------------------------------|--------------------|-----------------------------|--------------------|-----------------------|-----------------------------------------|--------------------------|---------|------------------------------------|--------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft                     | 内轴型<br>Round Shaft |                             |                    |                       |                                         | 1200/mN.m                | 90/mN.m |                                    |                    |                          |
| 5K120RGU-AF                              | 5K120RA-AF         | 120                         | 1ph 100            | 50                    | 90-1350                                 | 750                      | 330     | 530                                | 2.10               | 30                       |
|                                          |                    |                             |                    |                       |                                         |                          |         |                                    | 2.50               |                          |
| 5K120RGU-EF                              | 5K120RA-EF         | 120                         | 1ph 110            | 60                    | 90-1650                                 | 750                      | 360     | 530                                | 1.65               | 25                       |
|                                          |                    |                             |                    |                       |                                         |                          |         |                                    | 1.80               |                          |
| 5K120RGU-CF                              | 5K120RA-CF         | 120                         | 1ph 220            | 50                    | 90-1350                                 | 750                      | 330     | 530                                | 1.00               | 7.0                      |
|                                          |                    |                             |                    |                       |                                         |                          |         |                                    | 0.95               |                          |
| 5K120RGU-HF                              | 5K120RA-HF         | 120                         | 1ph 230            | 60                    | 90-1650                                 | 750                      | 360     | 530                                | 1.00               | 7.0                      |
|                                          |                    |                             |                    |                       |                                         |                          |         |                                    | 0.95               |                          |

### ■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售。中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速器型号中的□为减速比的数值。  
Enter the gear ratio in the box (□) within the model name.
- 色表示与电动机同一方向旋转，其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others is opposite.

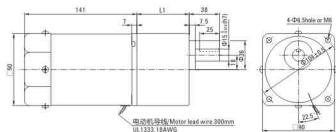
### 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

| 类型 Type<br>电动机 减速机<br>Motor/Gearhead | 减速比<br>Gear Ratio | 容许力矩 Allowance Torque Unit |      |      |      |      |      |      |      |      |      |      |      |     |     |     |      |      |     |     |     |     |
|--------------------------------------|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|-----|-----|-----|-----|
|                                      |                   | 3                          | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50  | 60  | 75  | 90   | 100  | 120 | 150 | 180 | 200 |
| 50Hz                                 | 50□               | 500                        | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41   | 30  | 25  | 16  | 15   | 12.5 | 10  | 8.3 | 7.5 |     |
|                                      |                   | 600                        | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36  | 30  | 24  | 20   | 18   | 15  | 12  | 10  | 9   |
| 50□                                  | 50□               | 2.3                        | 2.7  | 3.8  | 4.5  | 5.6  | 6.8  | 8.5  | 10.2 | 12.2 | 15.3 | 18.4 | 20   | 20  | 20  | 20  | 20   | 20   | 20  | 20  | 20  | 20  |
|                                      |                   | 23.4                       | 27.5 | 38.7 | 45.9 | 57.1 | 69.3 | 86.7 | 104  | 124  | 156  | 187  | 200  | 200 | 200 | 200 | 200  | 200  | 200 | 200 | 200 | 200 |
| 50□                                  | 50□               | 1.8                        | 2.2  | 3.0  | 3.6  | 4.6  | 5.5  | 6.8  | 8.2  | 9.8  | 12.4 | 14.9 | 17.8 | 20  | 20  | 20  | 18.8 | 20   | 20  | 20  | 20  | 20  |
|                                      |                   | 18.3                       | 22.4 | 30.6 | 36.7 | 46.9 | 56.1 | 69.5 | 83.6 | 100  | 126  | 152  | 181  | 200 | 200 | 200 | 192  | 200  | 200 | 200 | 200 | 200 |

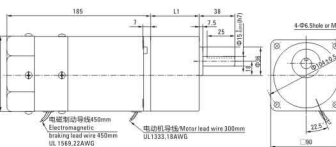
### ■ 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mountings screws are included with gearhead.

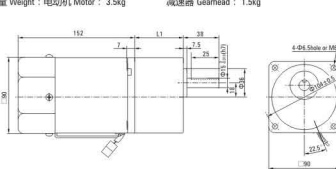
- 导线型 Lead Wiring Type (感应/可逆 Induction/Reversible Motor)  
重量 Weight : 电动机 Motor : 3.4kg 减速机 Gearhead : 1.5kg



- 导线型 Lead Wiring Type (刹车 Brake Motors)  
重量 Weight : 电动机 Motor : 3.4kg 减速机 Gearhead : 1.5kg

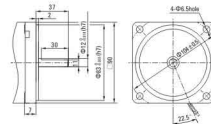


- 导线型 Lead Wiring Type (调速 Speed Control Motors)  
重量 Weight : 电动机 Motor : 3.5kg 减速机 Gearhead : 1.5kg



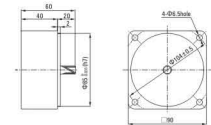
### ● 轴输出的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



### ● 中间减速器 Decimal Gearhead

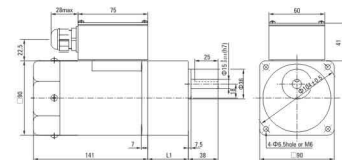
可安装在GU齿轮轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同  
5GU100K  
重量 Weight : 0.6kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 5GU□KB                  | 3-200             | 65.5 |

● 减速器型号的□为减速比的数值  
Enter the gear ratio in the box (□) within the model name

● 端子箱型 Terminal Box Type (感应可逆Induction/Reversible Motor)  
重量 Weight : 电动机 Motor : 3.55kg 减速器 Gearhead : 1.5kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1   |
|-------------------------|-------------------|------|
| 5GU□KB                  | 3-200             | 65.5 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



# 120W

交流减速电机 □104mm  
AC GEAR MOTOR

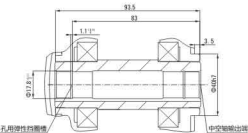
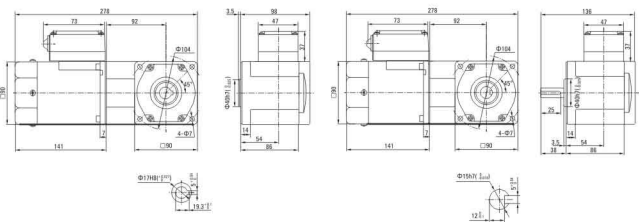
## 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机壳Type<br>电动机/减速器<br>Motor/Gearhead                                     | 减速比Gear Ratio               | 转速Speed/r/min |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------|-----------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                         |                             | 3             | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |      |
| 5K120GU-AF□<br>5K120GU-EF□<br>5K120GU-CF□<br>5K120GU-HF□<br>5K120GU-SF□ | 容许力矩<br>Allowance<br>Torque | 50Hz          | 500  | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 42   | 30   | 25   | 20   | 16   | 15   | 12   | 10   | 8    |
|                                                                         |                             | 60Hz          | 600  | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36   | 30   | 24   | 20   | 18   | 15   | 12   | 10   |
| 5K120GU-AF□<br>5K120GU-EF□<br>5K120GU-CF□<br>5K120GU-HF□<br>5K120GU-SF□ | 容许力矩<br>Allowance<br>Torque | 50Hz          | 1.70 | 2.05 | 2.84 | 3.41 | 4.73 | 5.68 | 7.89 | 9.47 | 11.4 | 15.8 | 18.9 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                                                         |                             | 60Hz          | 17.4 | 20.9 | 29.0 | 34.8 | 48.3 | 58.0 | 80.5 | 96.6 | 116  | 161  | 193  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  |
| 5K120GU-AF□<br>5K120GU-EF□<br>5K120GU-CF□<br>5K120GU-HF□<br>5K120GU-SF□ | 容许力矩<br>Allowance<br>Torque | 50Hz          | 1.37 | 1.65 | 2.29 | 2.75 | 3.82 | 4.58 | 6.36 | 7.64 | 9.16 | 12.7 | 15.3 | 16.5 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                                                         |                             | 60Hz          | 14.0 | 16.8 | 23.4 | 28.0 | 39.0 | 46.7 | 64.9 | 77.9 | 93.5 | 130  | 156  | 168  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  |

■ 感应尺寸图 Induction Type Drawing

5K120GU-AF□/5GU□RC 5K120GU-CF□/5GU□RC 5K120GU-EF□/5GU□RC 5K120GU-HF□/5GU□RC 5K120GU-SF□/5GU□RC  
5K120GU-AF□/5GU□RT 5K120GU-CF□/5GU□RT 5K120GU-EF□/5GU□RT 5K120GU-HF□/5GU□RT 5K120GU-SF□/5GU□RT



■ 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model - 类型 Type<br>上段齿轴轮 Upper Pinion Shaft<br>下段内齿轴 Below Round Shaft | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mN.m | 额定转矩<br>Rated Torque<br>mN.m | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|--------------------------------------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|---------------------------------|------------------------------|------------------------------|--------------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                  | 120                       | 1ph 100            | 50                    | 2.10               | 600                             | 930                          | 1250                         | 30.0                     |
|                                                                          |                           |                    | 60                    | 2.50               |                                 |                              |                              |                          |
| 端子箱型<br>Terminal Box Type<br>外形图Dimensions②                              | 120                       | 1ph 110            | 60                    | 1.70               | 600                             | 750                          | 1550                         | 20.0                     |
|                                                                          |                           |                    | 60                    | 1.80               |                                 |                              |                              |                          |
| 6K120GU-AF<br>(6K120A-AF)                                                | 120                       | 1ph 220            | 50                    | 0.95               | 750                             | 930                          | 1250                         | 8.0                      |
|                                                                          |                           |                    | 60                    | 1.00               |                                 |                              |                              |                          |
| 6K120GU-CF<br>(6K120A-CF)                                                | 120                       | 1ph 220            | 50                    | 0.75               | 2200                            | 890                          | 1300                         | -                        |
|                                                                          |                           |                    | 60                    | 0.70               |                                 |                              |                              |                          |
| 6K120GU-HF<br>(6K120A-HF)                                                | 120                       | 1ph 230            | 50                    | 0.95               | 700                             | 750                          | 1550                         | -                        |
|                                                                          |                           |                    | 60                    | 1.00               |                                 |                              |                              |                          |
| 6K120GU-SF<br>(6K120A-SF)                                                | 120                       | 3ph 220            | 50                    | 0.75               | 2200                            | 890                          | 1300                         | -                        |
|                                                                          |                           |                    | 60                    | 0.70               |                                 |                              |                              |                          |

■ 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model - 类型 Type<br>导线型 Lead Wire Type | 额定<br>Rating | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mN.m | 额定转矩<br>Rated Torque<br>mN.m | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|-----------------------------------------|--------------|---------------------------|--------------------|-----------------------|--------------------|---------------------------------|------------------------------|------------------------------|--------------------------|
| 齿轴轴型<br>Pinion Shaft                    | 30min        | 120                       | 1ph 100            | 50                    | 2.1                | 600                             | 930                          | 1250                         | 35                       |
|                                         |              |                           |                    | 60                    | 2.5                |                                 |                              |                              |                          |
| 圆轴型<br>Round Shaft                      | 30min        | 120                       | 1ph 110            | 60                    | 1.70               | 600                             | 750                          | 1550                         | 30                       |
|                                         |              |                           |                    | 60                    | 1.80               |                                 |                              |                              |                          |
| 6K120GU-EFM<br>6K120A-EFM               | 30min        | 120                       | 1ph 220            | 50                    | 0.95               | 750                             | 930                          | 1250                         | 8.0                      |
|                                         |              |                           |                    | 60                    | 0.95               |                                 |                              |                              |                          |
| 6K120GU-CFM<br>6K120A-CFM               | 30min        | 120                       | 1ph 220            | 50                    | 0.75               | 2200                            | 890                          | 1250                         | -                        |
|                                         |              |                           |                    | 60                    | 0.70               |                                 |                              |                              |                          |
| 6K120GU-HFM<br>6K120A-HFM               | 30min        | 120                       | 1ph 230            | 50                    | 0.95               | 700                             | 750                          | 1550                         | -                        |
|                                         |              |                           |                    | 60                    | 1.00               |                                 |                              |                              |                          |
| 6K120GU-SFM<br>6K120A-SFM               | 30min        | 120                       | 3ph 220            | 50                    | 0.75               | 2200                            | 890                          | 1250                         | -                        |
|                                         |              |                           |                    | 60                    | 0.70               |                                 |                              |                              |                          |

■ 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model - 类型 Type<br>导线型 Lead Wire Type | 最大<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque<br>1200r/min<br>90r/min<br>mN.m | 启动转矩<br>Starting Torque<br>mN.m | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>μF |
|-----------------------------------------|-------------------------|--------------------|-----------------------|-----------------------------------------|----------------------------------------------------------|---------------------------------|--------------------|--------------------------|
| 齿轴轴型<br>Pinion Shaft                    | 120                     | 1ph 100            | 50                    | 90-1350                                 | 750                                                      | 360                             | 530                | 2.10                     |
|                                         |                         |                    | 60                    | 90-1650                                 |                                                          |                                 |                    |                          |
| 圆轴型<br>Round Shaft                      | 120                     | 1ph 110            | 60                    | 90-1650                                 | 750                                                      | 360                             | 520                | 1.70                     |
|                                         |                         |                    | 60                    | 90-1650                                 |                                                          |                                 |                    |                          |
| 6K120RGU-AF<br>6K120RA-AF               | 120                     | 1ph 220            | 50                    | 90-1350                                 | 750                                                      | 330                             | 530                | 0.95                     |
|                                         |                         |                    | 60                    | 90-1650                                 |                                                          |                                 |                    |                          |
| 6K120RGU-CF<br>6K120RA-CF               | 120                     | 1ph 220            | 50                    | 90-1350                                 | 750                                                      | 360                             | 530                | 8.0                      |
|                                         |                         |                    | 60                    | 90-1650                                 |                                                          |                                 |                    |                          |
| 6K120RGU-HF<br>6K120RA-HF               | 120                     | 1ph 220            | 50                    | 90-1350                                 | 750                                                      | 360                             | 530                | 8.0                      |
|                                         |                         |                    | 60                    | 90-1650                                 |                                                          |                                 |                    |                          |

■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售 中间减速器另售。  
Gearhead and mid-gearhead can be sold separately.
- 减速品型号的□中为减速比的数值。  
Enter the gear ratio in the box (□) within the model name.
- □色表示与电动机同一方向运转，其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

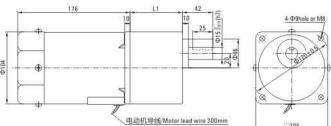
| 类型 Type<br>电动机/减速机<br>Motor/Gearhead      | 减速比<br>Gear Ratio | 容许力矩 Allowance Torque |      |      |      |      |      |      |      |      |      |      |      |      |      |     |     |     |      |     |     |     |
|-------------------------------------------|-------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|------|-----|-----|-----|
|                                           |                   | 3                     | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75  | 90  | 100 | 120  | 150 | 180 | 200 |
| 6K120GU-AF□<br>6K120GU-EF□<br>6K120GU-SF□ | 50Hz              | 500                   | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41   | 30   | 25   | 20  | 16  | 15  | 12.5 | 10  | 8.3 | 7.5 |
|                                           | 转速<br>Speed/r/min | 2.3                   | 2.7  | 3.8  | 4.5  | 5.6  | 6.8  | 8.5  | 10.2 | 12.2 | 15.3 | 18.4 | 22.1 | 30.7 | 36.8 | 40  | 40  | 40  | 40   | 40  | 40  | 40  |
| 6G□□K                                     | 50Hz              | 23.4                  | 27.5 | 38.7 | 45.9 | 57.1 | 69.3 | 86.7 | 104  | 124  | 156  | 187  | 225  | 313  | 375  | 400 | 400 | 400 | 400  | 400 | 400 |     |
|                                           | 转速<br>Speed/r/min | 2.22                  | 2.6  | 3.8  | 4.3  | 5.4  | 6.5  | 8.1  | 9.7  | 11.7 | 14.7 | 17.6 | 21.1 | 29.4 | 35.2 | 40  | 40  | 40  | 40   | 40  | 40  |     |
| 6K120GU-SF□                               | 50Hz              | 2.4                   | 28.5 | 36.7 | 43.8 | 55.0 | 66.3 | 87.6 | 98.8 | 119  | 149  | 179  | 215  | 300  | 359  | 400 | 400 | 400 | 400  | 400 | 400 |     |
|                                           | 转速<br>Speed/r/min | 2.4                   | 28.5 | 36.7 | 43.8 | 55.0 | 66.3 | 87.6 | 98.8 | 119  | 149  | 179  | 215  | 300  | 359  | 400 | 400 | 400 | 400  | 400 | 400 |     |

■ 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

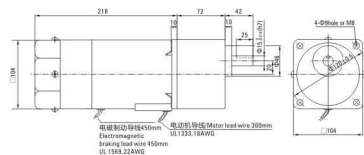
● 导线型 Lead Wiring Type (感应/可逆 Induction/Reversible Motor)

重量 Weight : 电动机 Motor : 4.9kg 减速器 Gearhead : 2.1kg



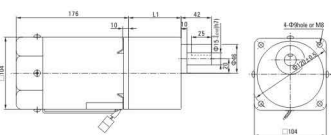
● 导线型 Lead Wiring Type (刹车 Brake Motors)

重量 Weight : 电动机 Motor : 5.65kg 减速器 Gearhead : 2.1kg



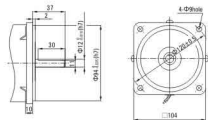
● 导线型 Lead Wiring Type (调速 Speed Control Motors)

重量 Weight : 电动机 Motor : 4.9kg 减速器 Gearhead : 2.1kg



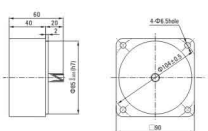
● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部分电动机外形与齿轮轴相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



● 中脚减速器 Decimal Gearhead

可安装在GU齿轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轴轴型相同  
SGU100K  
重量 Weight : 0.65kg

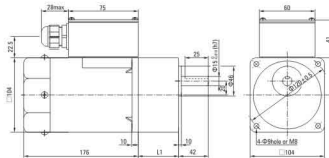


| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 6G□□K                   | 3~200             | 72 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

● 带端子箱型 Terminal Box Type (感应/可逆 Induction/Reversible Motor)

重量 Weight : 电动机 Motor : 4.95kg 减速器 Gearhead : 2.1kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 6G□□K                   | 3~200             | 72 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

圆锥直角

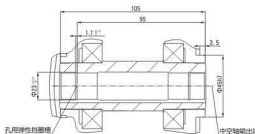
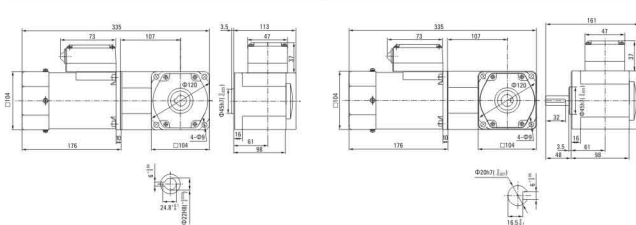
SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型 Type<br>电动机/减速器<br>Motor/Gearhead                                    | 减速比 Gear Ratio              | 容许力矩 Allowance Torque |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |     |
|-------------------------------------------------------------------------|-----------------------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|
|                                                                         |                             | 3                     | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180 |
| 6K120GU-AF□<br>6K120GU-EF□<br>6K120GU-CF□<br>6K120GU-HF□<br>6K120GU-SF□ | 50Hz                        | 500                   | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 42   | 30   | 25   | 20   | 16   | 15   | 12   | 10   | 8   |
|                                                                         | 转速 Speed<br>r/min           | 600                   | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 50   | 36   | 30   | 24   | 20   | 18   | 15   | 12   | 10  |
| 6G□□K                                                                   | 50Hz                        | 1.70                  | 2.05 | 2.84 | 3.41 | 4.26 | 5.68 | 7.89 | 9.47 | 11.4 | 15.8 | 18.9 | 22.7 | 28.4 | 34.1 | 42.6 | 51.1 | 56.8 | 60.0 | 60.0 |     |
|                                                                         | 容许力矩<br>Allowance<br>Torque | 17.4                  | 20.9 | 29.0 | 34.8 | 43.5 | 58.0 | 80.5 | 96.6 | 116  | 161  | 193  | 232  | 290  | 348  | 435  | 522  | 580  | 600  | 600  |     |
| 6K120GU-SF□                                                             | 60Hz                        | 1.37                  | 1.65 | 2.29 | 2.75 | 3.44 | 4.59 | 6.36 | 7.64 | 9.16 | 12.7 | 15.3 | 18.3 | 22.9 | 27.5 | 34.4 | 41.2 | 45.8 | 55.0 | 60.0 |     |
|                                                                         | 容许力矩<br>Allowance<br>Torque | 14.0                  | 16.8 | 23.4 | 28.0 | 35.1 | 46.7 | 64.9 | 77.9 | 93.5 | 130  | 156  | 187  | 234  | 280  | 351  | 421  | 467  | 561  | 600  |     |

■ 感应尺寸图 Induction Type Drawing

|                    |                    |                    |                    |                     |                     |                     |                     |
|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|
| 6K120GU-AF□/6GU□□K | 6K120GU-CF□/6GU□□K | 6K120GU-HF□/6GU□□K | 6K120GU-SF□/6GU□□K | 6K120GU-AF□/6GU□□RT | 6K120GU-CF□/6GU□□RT | 6K120GU-HF□/6GU□□RT | 6K120GU-SF□/6GU□□RT |
|--------------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|





# 140W

交流减速电机 □ 104mm  
AC GEAR MOTOR

## 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model · 类型 Type<br>上段/上齿轮 Upper/Pinion Shaft<br>下段/下齿轮 Below/Round Shaft |                                             | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting<br>Torque<br>mNm | 额定转矩<br>Rated<br>Torque<br>mNm | 额定转速<br>Rated<br>Speed<br>r/min | 电容器容量<br>Capacitor<br>µF |
|----------------------------------------------------------------------------|---------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|-----------------------------------|--------------------------------|---------------------------------|--------------------------|
| 导线型<br>Lead Wire Type<br>外形图Dimensions①                                    | 端子箱型<br>Terminal Box Type<br>外形图Dimensions② |                           |                    |                       |                    |                                   |                                |                                 |                          |
| 6K140GU-AF<br>(6K140A-AF)                                                  | 6K140GU-AFT<br>(6K140A-AFT)                 | 140                       | 1ph 100            | 50                    | 2.7                | 700                               | 1080                           | 1250                            | 35.0                     |
|                                                                            |                                             |                           |                    |                       | 3.0                |                                   | 870                            | 1550                            |                          |
| 6K140GU-EF<br>(6K140A-EF)                                                  | 6K140GU-EFT<br>(6K140A-EFT)                 | 140                       | 1ph 110            | 60                    | 1.80               | 700                               | 850                            | 1600                            | 25.0                     |
|                                                                            |                                             |                           |                    |                       | 1.95               |                                   |                                |                                 |                          |
| 6K140GU-CF<br>(6K140A-CF)                                                  | 6K140GU-CFT<br>(6K140A-CFT)                 | 140                       | 1ph 220            | 50                    | 1.05               | 850                               | 1040                           | 1350                            | 10.0                     |
|                                                                            |                                             |                           |                    |                       | 1.15               |                                   |                                |                                 |                          |
| 6K140GU-HF<br>(6K140A-HF)                                                  | 6K140GU-HFT<br>(6K140A-HFT)                 | 140                       | 1ph 230            | 60                    | 1.05               | 750                               | 850                            | 1600                            | -                        |
|                                                                            |                                             |                           |                    |                       | 1.15               |                                   |                                |                                 |                          |
| 6K140GU-SF<br>(6K140A-SF)                                                  | 6K140GU-SFT<br>(6K140A-SFT)                 | 140                       | 3ph 220            | 50                    | 0.85               | 2700                              | 1080                           | 1250                            | -                        |
|                                                                            |                                             |                           |                    |                       | 0.75               |                                   | 2200                           | 1550                            |                          |

## 可逆/刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model · 类型 Type<br>导线型 Lead Wire Type |                    | 额定<br>Rating | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting<br>Torque<br>mNm | 额定转矩<br>Rated<br>Torque<br>mNm | 额定转速<br>Rated<br>Speed<br>r/min | 电容器容量<br>Capacitor<br>µF |
|-----------------------------------------|--------------------|--------------|---------------------------|--------------------|-----------------------|--------------------|-----------------------------------|--------------------------------|---------------------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft                    | 圆轴型<br>Round Shaft |              |                           |                    |                       |                    |                                   |                                |                                 |                          |
| 6K140GU-AFM                             | 6K140A-AFM         | 30min        | 140                       | 1ph 100            | 50                    | 2.7                | 700                               | 1080                           | 1250                            | 35                       |
|                                         |                    |              |                           |                    |                       | 3.0                |                                   | 870                            | 1550                            |                          |
| 6K140GU-EFM                             | 6K140A-EFM         | 30min        | 140                       | 1ph 110            | 60                    | 1.80               | 700                               | 850                            | 1550                            | 25                       |
|                                         |                    |              |                           | 1ph 120            |                       | 1.95               |                                   |                                |                                 |                          |
| 6K140GU-CFM                             | 6K140A-CFM         | 30min        | 140                       | 1ph 220            | 50                    | 1.05               | 850                               | 1040                           | 1250                            | 10                       |
|                                         |                    |              |                           | 1ph 230            |                       | 1.15               |                                   |                                |                                 |                          |
| 6K140GU-HFM                             | 6K140A-HFM         | 30min        | 140                       | 1ph 220            | 60                    | 1.05               | 750                               | 850                            | 1550                            | -                        |
|                                         |                    |              |                           | 1ph 230            |                       | 1.15               |                                   |                                |                                 |                          |
| 6K140GU-SM                              | 6K140A-SM          | 30min        | 140                       | 3ph 220            | 50                    | 0.85               | 2700                              | 1080                           | 1250                            | -                        |
|                                         |                    |              |                           |                    |                       | 0.75               |                                   | 2200                           | 1550                            |                          |

## 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model · 类型 Type<br>导线型 Lead Wire Type |                    | 最大<br>输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque |               | 启动转矩<br>Starting<br>Torque<br>mNm | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>µF |
|-----------------------------------------|--------------------|---------------------------------|--------------------|-----------------------|-----------------------------------------|--------------------------|---------------|-----------------------------------|--------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft                    | 圆轴型<br>Round Shaft |                                 |                    |                       |                                         | 1200/min<br>mNm          | 90/min<br>mNm |                                   |                    |                          |
| 6K140RU-AF                              | 6K140RA-AF         | 140                             | 1ph 100            | 50                    | 90-1350                                 | 830                      | 420           | 620                               | 2.70               | 35                       |
|                                         |                    |                                 |                    |                       |                                         |                          |               |                                   |                    |                          |
| 6K140RU-EF                              | 6K140RA-EF         | 140                             | 1ph 110            | 60                    | 90-1650                                 | 830                      | 450           | 620                               | 1.80               | 25                       |
|                                         |                    |                                 | 1ph 120            |                       |                                         |                          |               |                                   |                    |                          |
| 6K140RU-CF                              | 6K140RA-CF         | 140                             | 1ph 220            | 50                    | 90-1350                                 | 830                      | 420           | 620                               | 1.05               | 10                       |
|                                         |                    |                                 | 1ph 230            |                       |                                         |                          |               |                                   |                    |                          |
| 6K140RU-HF                              | 6K140RA-HF         | 140                             | 1ph 220            | 60                    | 90-1650                                 | 830                      | 450           | 620                               | 1.05               | 10                       |
|                                         |                    |                                 | 1ph 230            |                       |                                         |                          |               |                                   |                    |                          |

## ■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售·中间减速器另售。  
Gearhead and mid-gearbox can be sold separately.
- 减速器型号的□中为减速比的数值。  
Enter the gear ratio in the box(□) within the model name.
- 色表示与电动机同一方向运转，其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

## 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

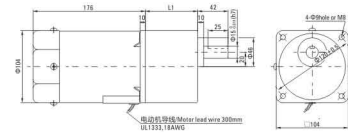
| 类型 Type<br>电动机/减速机<br>Motor/Gearhead         | 减速比<br>Gear Ratio | 3                 | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75  | 90  | 100 | 120 | 150 | 180  | 200 |     |
|----------------------------------------------|-------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----|-----|-----|-----|-----|------|-----|-----|
|                                              |                   | 转速<br>Speed r/min | 50Hz | 500  | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 41   | 30  | 25  | 20  | 16  | 15  | 12.5 | 10  | 8.3 |
| 6K140GU-AF □<br>6K140GU-EF □<br>6K140GU-SF □ | 6GU □ K           | 50Hz              | 2.6  | 3.1  | 4.4  | 5.2  | 6.6  | 7.9  | 9.8  | 11.8 | 14.2 | 17.8 | 21.4 | 25.7 | 35.6 | 40  | 40  | 40  | 40  | 40  | 40   | 40  | 40  |
|                                              |                   | 50Hz              | 26.5 | 31.6 | 44.8 | 53.0 | 67.3 | 80.6 | 101  | 120  | 144  | 181  | 218  | 262  | 363  | 400 | 400 | 400 | 400 | 400 | 400  | 400 | 400 |
|                                              |                   | 50Hz              | 2.5  | 3.0  | 4.2  | 5.1  | 6.3  | 7.6  | 9.5  | 11.4 | 13.7 | 17.2 | 20.6 | 247  | 34.3 | 40  | 40  | 40  | 40  | 40  | 40   | 40  | 40  |
|                                              |                   | 50Hz              | 25.5 | 30.6 | 42.8 | 52.0 | 63.2 | 77.5 | 96.9 | 116  | 139  | 175  | 210  | 252  | 349  | 400 | 400 | 400 | 400 | 400 | 400  | 400 |     |

## ■ 外形图 (单位 mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

### ● 导线型 Lead Wiring Type (感应/可逆/刹车电动机)

重量 Weight : 电动机 Motor : 5.0kg 减速机 Gearhead : 2.1kg



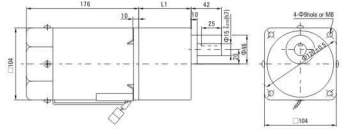
### ● 圆轴型 Round Shaft

重量 Weight : 电动机 Motor : 5.93kg 减速机 Gearhead : 2.1kg



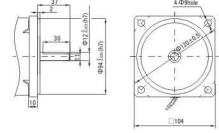
### ● 导线型 Lead Wiring Type (调速 Speed Control Motors)

重量 Weight : 电动机 Motor : 5.1kg 减速机 Gearhead : 2.1kg



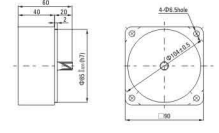
### ● 圆轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外电动机外形与齿轮轴型相同。  
Excluding weight and the shaft section motor shapes are the same as those of the pinion shaft type.



### ● 中间减速机 Decimal Gearhead

可安装在GU齿轮轴型上 Can be connected to GU pinion shaft type  
电动机外形与齿轮轴型相同  
Motor shape is same as pinion shaft type  
重量 Weight : 0.6kg

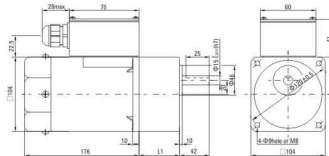


| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 6GU □ K                 | 3-200             | 72 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



● 带端子箱型 Terminal Box Type (感应/可逆 Induction/Reversible Motor)  
重量 Weight : 电动机 Motor : 5.15kg 减速器 Gearhead : 2.1kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 6GU□K                   | 3~200             | 72 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name



# 200W

交流减速电机 □104mm  
AC GEAR MOTOR

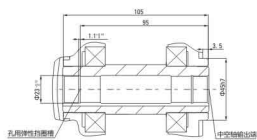
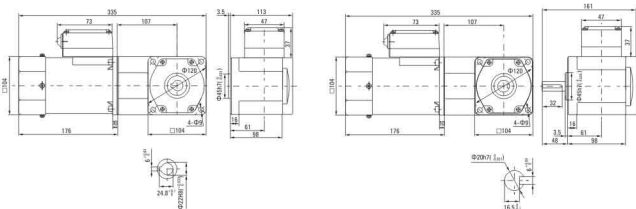
## 弧锥直角 SPIRAL BEVEL RIGHT ANGLE

容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型Type<br>电动机/减速器<br>Motor/Gearhead                                     | 减速比Gear Ratio | 容许力矩 Allowance Torque |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
|-------------------------------------------------------------------------|---------------|-----------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                                                         |               | 3                     | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 3.6  | 5    | 6    | 7.5  | 9    | 100  | 120  | 150  | 180  |
| 6K140GU-AF□<br>6K140GU-EF□<br>6K140GU-CF□<br>6K140GU-HF□<br>6K140GU-SF□ | 50Hz          | 500                   | 417  | 300  | 250  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 417  | 30   | 25   | 20   | 16   | 15   | 12   | 10   | 8    |
|                                                                         |               | 60Hz                  | 600  | 500  | 360  | 300  | 240  | 200  | 144  | 120  | 100  | 72   | 60   | 500  | 36   | 30   | 24   | 20   | 18   | 15   | 12   |
| 6K140GU-AF□<br>6K140GU-EF□<br>6K140GU-CF□<br>6K140GU-HF□<br>6K140GU-SF□ | 60Hz          | 1.99                  | 2.39 | 3.31 | 3.98 | 4.97 | 6.63 | 9.21 | 11.0 | 13.3 | 18.4 | 22.1 | 26.5 | 33.1 | 39.8 | 49.7 | 59.6 | 60.0 | 60.0 | 60.0 | 60.0 |
|                                                                         |               | 20.3                  | 24.3 | 33.8 | 40.6 | 50.7 | 67.6 | 93.9 | 113  | 135  | 188  | 225  | 271  | 338  | 406  | 507  | 600  | 600  | 600  | 600  | 600  |
| 6K140GU-AF□<br>6K140GU-EF□<br>6K140GU-CF□<br>6K140GU-HF□<br>6K140GU-SF□ | 60Hz          | 1.60                  | 1.92 | 2.67 | 3.21 | 4.01 | 5.34 | 7.42 | 8.91 | 10.7 | 14.8 | 17.8 | 21.4 | 26.7 | 32.1 | 40.1 | 48.1 | 53.4 | 60.0 | 60.0 | 60.0 |
|                                                                         |               | 16.4                  | 19.6 | 27.3 | 32.7 | 40.9 | 54.5 | 75.8 | 90.9 | 109  | 152  | 182  | 218  | 273  | 327  | 409  | 491  | 545  | 600  | 600  | 600  |

## ■ 感应尺寸图 Induction Type Drawing

6K140GU-AF□/6GU□RC 6K140GU-EF□/6GU□RC 6K140GU-CF□/6GU□RC 6K140GU-HF□/6GU□RC 6K140GU-SF□/6GU□RC  
6K140GU-AF□/6GU□RT 6K140GU-EF□/6GU□RT 6K140GU-CF□/6GU□RT 6K140GU-HF□/6GU□RT 6K140GU-SF□/6GU□RT



## ■ 感应电动机参数 INDUCTION MOTOR SPECS

| 型号Model - 类型 Type<br>上段/齿轴轴 Upper Pinion Shaft<br>下段/齿轴轴 Below Round Shaft | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mN.m | 额定转矩<br>Rated Torque<br>mN.m | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|----------------------------------------------------------------------------|---------------------------|--------------------|-----------------------|--------------------|---------------------------------|------------------------------|------------------------------|--------------------------|
|                                                                            |                           |                    |                       |                    |                                 |                              |                              |                          |
| 6K200GU-AF (6K200A-AF)<br>6K200GU-EF (6K200A-EF)                           | 200                       | 1ph 100            | 50                    | 3.2                | 900                             | 1520                         | 1250                         | 45.0                     |
|                                                                            |                           |                    |                       | 60                 |                                 |                              |                              |                          |
| 6K200GU-CF (6K200A-CF)<br>6K200GU-HF (6K200A-HF)                           | 200                       | 1ph 110            | 60                    | 2.75               | 850                             | 1230                         | 1550                         | 35.0                     |
|                                                                            |                           |                    |                       | 1ph 120            |                                 |                              |                              |                          |
| 6K200GU-CF (6K200A-CF)<br>6K200GU-HF (6K200A-HF)                           | 200                       | 1ph 220            | 50                    | 1.40               | 1000                            | 1520                         | 1250                         | 10.0                     |
|                                                                            |                           |                    |                       | 1ph 230            |                                 |                              |                              |                          |
| 6K200GU-SF (6K200A-SF)                                                     | 200                       | 3ph 220            | 50                    | 1.20               | 3400                            | 1520                         | 1250                         | -                        |
|                                                                            |                           |                    |                       | 60                 |                                 |                              |                              |                          |

## ■ 可逆刹车电动机参数 REVERSIBLE MOTOR SPECS

| 型号Model - 类型 Type<br>导线型 Lead Wire Type | 额定<br>Rating | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mN.m | 额定转矩<br>Rated Torque<br>mN.m | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|-----------------------------------------|--------------|---------------------------|--------------------|-----------------------|--------------------|---------------------------------|------------------------------|------------------------------|--------------------------|
|                                         |              |                           |                    |                       |                    |                                 |                              |                              |                          |
| 6R200GU-AFM 6R200A-AFM                  | 30min        | 200                       | 1ph 100            | 50                    | 3.2                | 900                             | 1385                         | 1250                         | 45                       |
|                                         |              |                           |                    |                       | 60                 |                                 |                              |                              |                          |
| 6R200GU-EFM 6R200A-EFM                  | 30min        | 200                       | 1ph 110            | 60                    | 2.75               | 850                             | 1120                         | 1550                         | 35                       |
|                                         |              |                           |                    |                       | 1ph 120            |                                 |                              |                              |                          |
| 6R200GU-CFM 6R200A-CFM                  | 30min        | 200                       | 1ph 220            | 50                    | 1.40               | 1100                            | 1385                         | 1250                         | 12                       |
|                                         |              |                           |                    |                       | 1ph 230            |                                 |                              |                              |                          |
| 6R200GU-HFM 6R200A-HFM                  | 30min        | 200                       | 1ph 220            | 60                    | 1.40               | 1000                            | 1120                         | 1550                         | -                        |
|                                         |              |                           |                    |                       | 1ph 230            |                                 |                              |                              |                          |
| 6R200GU-SFM 6R200A-SFM                  | 30min        | 200                       | 3ph 220            | 50                    | 1.20               | 3400                            | 1385                         | 1250                         | -                        |
|                                         |              |                           |                    |                       | 60                 |                                 |                              |                              |                          |

## ■ 调速电动机参数 SPEED CONTROL MOTOR SPECS

| 型号Model - 类型 Type<br>导线型 Lead Wire Type | 最大<br>输出<br>功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 调速范围<br>Speed Control<br>Range<br>r/min | 容许转矩<br>Allowance Torque |         | 启动转矩<br>Starting Torque<br>mN.m | 电流<br>Current<br>A | 电容器容量<br>Capacitor<br>μF |
|-----------------------------------------|-------------------------------------|--------------------|-----------------------|-----------------------------------------|--------------------------|---------|---------------------------------|--------------------|--------------------------|
|                                         |                                     |                    |                       |                                         | 1200/mN.m                | 90/mN.m |                                 |                    |                          |
| 6K120RGU-AF 6K120RA-AF                  | 120                                 | 1ph 100            | 60                    | 90~1350                                 | 750                      | 360     | 530                             | 2.10               | 30                       |
|                                         |                                     |                    |                       |                                         |                          |         |                                 |                    |                          |
| 6K120RGU-EF 6K120RA-EF                  | 120                                 | 1ph 110            | 60                    | 90~1650                                 | 750                      | 360     | 520                             | 1.70               | 20                       |
|                                         |                                     |                    |                       |                                         |                          |         |                                 |                    |                          |
| 6K120RGU-CF 6K120RA-CF                  | 120                                 | 1ph 220            | 50                    | 90~1350                                 | 750                      | 330     | 530                             | 0.95               | 8.0                      |
|                                         |                                     |                    |                       |                                         |                          |         |                                 |                    |                          |
| 6K120RGU-HF 6K120RA-HF                  | 120                                 | 1ph 220            | 60                    | 90~1650                                 | 750                      | 360     | 530                             | 0.95               | 8.0                      |
|                                         |                                     |                    |                       |                                         |                          |         |                                 |                    |                          |





■ 连接图 Wiring Diagram (刹车电机)

- 运转方向指从电动机轴看来方向。CW表示顺时针方向，CCW表示逆时针方向。  
The direction of motor rotation is viewed from the shaft end of motor. CW represents the clockwise direction, while CCW represents the counterclockwise direction.
- 表中所有已命名为轴轮型，圆轴型亦同。Name indicated in the list is pinion shaft type, also valid for the equivalent round shaft type.

| 单相电动机 Single-phase Motor                           |  |
|----------------------------------------------------|--|
| 5RK60GU-AFM, 5RK60GU-EFM, 5RK60GU-CFM, 5RK60GU-HFM |  |

SW1为电动机的运行停止及电磁制动操作用开关。(连动)

SW1 operates both motor and electromagnetic brake action. (Switched Simultaneously)

SW1设定于ON时，电磁制动解除，电动机开始运行。

The motor will rotate when SW1 is switched simultaneously to ON.

SW1设定于OFF时，电动机停止，电磁制动开始工作。

When SW1 is switched simultaneously to OFF, the motor stops immediately with the electromagnetic brake and holds the load.

在电动机停止状态下解除电磁制动时，应将SW1设定为非连动，而仅将黑色导线侧的触点设定为ON。

If you wish to release the brake while the motor is stopped, set the SW1 to off and connection point at the side of black lead to on.

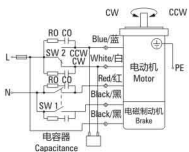
运转方向。Direction of Rotation.

将SW2转换至CW侧时，电动机作顺时针方向运转。

To rotate the motor in a clockwise (CW) direction, turn SW2 to CW.

将SW2转换至CCW侧时，电动机作逆时针方向运转。

To rotate the motor in a counterclockwise (CCW) direction, turn SW2 to CCW.



| 开关<br>符号<br>Switch<br>No. | 开关的触点容量 Capacitor of Switch Connection Point                        |                                                                          | 参考<br>Note                       |
|---------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------|----------------------------------|
|                           | 单相100V,<br>110/120V输入<br>Single-Phase 100 VAC,<br>110/120 VAC Input | 单相220V,<br>230V输入<br>Single-Phase 200 VAC,<br>220/230 VAC Input          |                                  |
| SW1                       | AC125V 3A以上<br>(感性负载)<br>125 VAC 3A<br>minimum<br>(Inductive Load)  | AC250V 1.5A以上<br>(感性负载)<br>250 VAC 1.5A<br>A minimum<br>(Inductive Load) | 连动<br>Switched<br>Simultaneously |
| SW2                       |                                                                     |                                                                          |                                  |

三相电动机 Three-phase Motor

5RK60GU-SFM

SW1为电动机的运行停止及电磁制动操作用开关。(连动)

SW1 operates both motor and electromagnetic brake action. (Switched Simultaneously)

SW1设定于ON时，电磁制动解除，电动机开始运行。

The motor will rotate when SW1 is switched simultaneously to ON.

SW1设定于OFF时，电动机停止，电磁制动开始工作。

When SW1 is switched simultaneously to OFF, the motor stops immediately with the electromagnetic brake and holds the load.

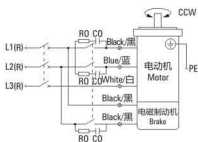
在电动机停止状态下解除电磁制动时，应将SW1设定为非连动，而仅将黑色导线侧的触点设定为ON。

If you wish to release the brake while the motor is stopped, set the SW1 to off and connection point at the side of black lead to on.

运转方向。Direction of Rotation.

若对换R、S、T中任意二条，电动机会逆时针方向运转。

To change the rotation direction, change any two connections between R, S and T.



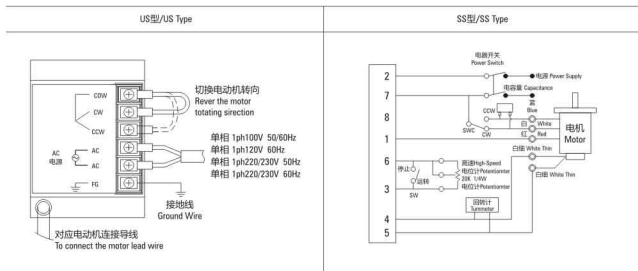
| 开关<br>符号<br>Switch<br>No. | 开关的触点容量 Capacitor of Switch Connection Point |                                                                         | 参考<br>Note                       |
|---------------------------|----------------------------------------------|-------------------------------------------------------------------------|----------------------------------|
|                           |                                              | AC250V 1.5A以上<br>(感性负载)<br>250 VAC 1.5 A<br>minimum<br>(Inductive Load) |                                  |
| SW1                       |                                              |                                                                         | 连动<br>Switched<br>Simultaneously |

◆ 请注意 Notes:

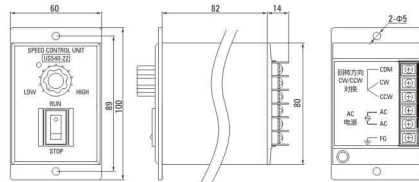
• R0C0为吸收电源电压用R电路。[R0=5~200Ω, C0=0.1~0.2μF, 200WV (400WV)] 请使用选配配件EPCR1201-2。

• R0 and C0 indicate surge suppressor circuit. [R0=5~200Ω, C0=0.1~0.2 μF, 200 WV (400 WV)] EPCR1201-2 is available as an optional surge suppressor.

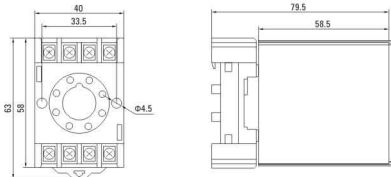
■ 连接图 Wiring Diagram (调速电机)



■ 组合型 Combination SS11、SS22 正、反转变速 Clockwise And Anti-clockwise Speed Change



■ 分离器 Separation SS11、SS22 正、反转变速 Clockwise And Anti-clockwise Speed Change



DESCRIPTION OF DC MOTOR

直流电动机型号说明

Z 5(5) D(W) 60-24-GU 30S

① ② ③ ④ ⑤ ⑥ ⑦

|   |                           |                                                                                                                              |       |       |       |        |         |
|---|---------------------------|------------------------------------------------------------------------------------------------------------------------------|-------|-------|-------|--------|---------|
| ① | 公司代码 Company code         |                                                                                                                              |       |       |       |        | 电机种类    |
| ② | 机座号 Code                  | 2                                                                                                                            | 3     | 4     | 5     | 55     | 6       |
|   | 电机安装法兰 Mounting Flange mm | 60×60                                                                                                                        | 70×70 | 80×80 | 90×90 | 104×90 | 104×104 |
|   | 机壳直径 Case Diameter mm     | 60                                                                                                                           | 60    | 80    | 80    | 80     | 90      |
| ③ | 电机种类 Motor Type           | D: 直流电机 (D: DC MOTOR)<br>DW: 针对 60, 70 系列电机 D 后加 W 表示外置电刷电机<br>For 60, 70 series motor, DW refers to external brush motor    |       |       |       |        |         |
| ④ | 输出功率 Output power         | 60: 60W                                                                                                                      |       |       |       |        |         |
| ⑤ | 电源电压 Voltage              | 24: 24V DC                                                                                                                   |       |       |       |        |         |
| ⑥ | 齿轴形状 Motor shaft type     | GN: 普通型斜齿轴 GN: General Helical Gear A1: 铣键槽 A1: Milling Keyway<br>GU: 加强型斜齿轴 GU: Reinforced Helical Gear A: 铣扁 A1: Flat Type |       |       |       |        |         |
| ⑦ | 电机转速 Speed                | 30S: 3000rpm                                                                                                                 |       |       |       |        |         |

备注: 如果电机需要配刹车器可在型号最后加-M符号, 如Z5(5)D60-24GU-30S-M。  
Note: We use M to symbolise the brake, such as Z5(5)D60-24GU-30S-M.

DESCRIPTION OF GEARBOX

减速器型号说明

5 GN 50 K

① ② ③ ④

|   |                          |                                                                                                  |
|---|--------------------------|--------------------------------------------------------------------------------------------------|
| ① | 型号尺寸 Model and Dimension | 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm                                                              |
|   | 齿轮类型 Gear Type           | GN: 普通型斜齿轴 GN: General Helical Gear<br>GU: 加强型斜齿轴 GU: Reinforced Helical Gear                    |
| ③ | 减速比 Gear Ratio           | 50: 减速比 1:50 50: Gear ratio 1:50<br>10X 仅限于速比 1:10 的中间 减速比 10X refers to the mid gear ratio 1:10 |
| ④ | 轴承类型 Bearing Type        | K: 滚珠轴承对 GU 型方箱体标注为 KB<br>K: Ball Bearing (Mark KB for Type GU square gearbox)                   |



6W 10W  
15W

直流减速电机 □ 60mm  
DC GEAR MOTOR

■ 6W 电机性能参数 6W Motor Performance Parameters

| 型号 Model  | 电压 Voltage V | 功率 Power W | 空载参数 No-load Parameters |              | 负载参数 Load Parameters |                |              | 电刷寿命 Brush Life H | 电机重量 Motor Weight kg |
|-----------|--------------|------------|-------------------------|--------------|----------------------|----------------|--------------|-------------------|----------------------|
|           |              |            | 转速 Speed r/min          | 电流 Current A | 转速 Speed r/min       | 力矩 Torque mN.m | 电流 Current A |                   |                      |
| ZD06-12 □ | 12           | 6          | 3200                    | 0.6 Max.     | 2950                 | 19             | 0.8          | 2000              | 0.6                  |
| ZD06-12 □ | 12           | 6          | 3200                    | 0.6 Max.     | 2950                 | 19             | 0.8          | 2000              | 0.6                  |
| ZD06-24 □ | 24           | 6          | 3200                    | 0.3 Max.     | 2950                 | 19             | 0.5          | 2000              | 0.6                  |
| ZD06-24 □ | 24           | 6          | 3200                    | 0.3 Max.     | 2950                 | 19             | 0.5          | 2000              | 0.6                  |
| ZD06-90 □ | 90           | 6          | 3000                    | 0.2 Max.     | 2800                 | 20             | 0.3          | 2000              | 0.6                  |
| ZD06-90 □ | 90           | 6          | 3000                    | 0.2 Max.     | 2800                 | 20             | 0.3          | 2000              | 0.6                  |

■ 10W 电机性能参数 10W Motor Performance Parameters

| 型号 Model  | 电压 Voltage V | 功率 Power W | 空载参数 No-load Parameters |              | 负载参数 Load Parameters |                |              | 电刷寿命 Brush Life H | 电机重量 Motor Weight kg |
|-----------|--------------|------------|-------------------------|--------------|----------------------|----------------|--------------|-------------------|----------------------|
|           |              |            | 转速 Speed r/min          | 电流 Current A | 转速 Speed r/min       | 力矩 Torque mN.m | 电流 Current A |                   |                      |
| ZD10-12 □ | 12           | 10         | 3200                    | 1.0 Max.     | 2800                 | 34             | 2.0          | 2000              | 0.7                  |
| ZD10-12 □ | 12           | 10         | 3200                    | 1.0 Max.     | 2800                 | 34             | 2.0          | 2000              | 0.7                  |
| ZD10-24 □ | 24           | 10         | 3300                    | 0.5 Max.     | 3000                 | 32             | 0.9          | 2000              | 0.7                  |
| ZD10-24 □ | 24           | 10         | 3300                    | 0.5 Max.     | 3000                 | 32             | 0.9          | 2000              | 0.7                  |
| ZD10-90 □ | 90           | 10         | 3200                    | 0.3 Max.     | 2800                 | 34             | 0.6          | 2000              | 0.7                  |
| ZD10-90 □ | 90           | 10         | 3200                    | 0.3 Max.     | 2800                 | 34             | 0.6          | 2000              | 0.7                  |

■ 15W 电机性能参数 15W Motor Performance Parameters

| 型号 Model  | 电压 Voltage V | 功率 Power W | 空载参数 No-load Parameters |              | 负载参数 Load Parameters |                |              | 电刷寿命 Brush Life H | 电机重量 Motor Weight kg |
|-----------|--------------|------------|-------------------------|--------------|----------------------|----------------|--------------|-------------------|----------------------|
|           |              |            | 转速 Speed r/min          | 电流 Current A | 转速 Speed r/min       | 力矩 Torque mN.m | 电流 Current A |                   |                      |
| ZD15-12 □ | 12           | 15         | 3200                    | 0.8 Max.     | 2950                 | 48             | 2.0          | 2000              | 0.9                  |
| ZD15-12 □ | 12           | 15         | 3200                    | 0.8 Max.     | 2950                 | 48             | 2.0          | 2000              | 0.9                  |
| ZD15-24 □ | 24           | 15         | 3300                    | 0.4 Max.     | 3000                 | 48             | 1.0          | 2000              | 0.9                  |
| ZD15-24 □ | 24           | 15         | 3300                    | 0.4 Max.     | 3000                 | 48             | 1.0          | 2000              | 0.9                  |
| ZD15-90 □ | 90           | 15         | 3200                    | 0.2 Max.     | 3000                 | 48             | 0.4          | 2000              | 0.9                  |
| ZD15-90 □ | 90           | 15         | 3200                    | 0.2 Max.     | 3000                 | 48             | 0.4          | 2000              | 0.9                  |

■ 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。  
Motor voltage, power and speed will be customized according to his requirement under the allowed circumstance of adpable dimension.  
■ 如知道DWZZD06-12GN表示外置电刷斜齿轴电机, 如无W则为标准内置电刷斜齿轴电机; 外置电刷电机, 用户可自行在外部更换电刷; 内置电刷电机更换电刷时需将电机拆开后方可更换。  
We use W after D in the model to express the external brush motor, such as ZD06-12GN. If no W, it means the standard internal brush motor. For external brush motor, you can replace the brush directly. For internal ones, we need to disassemble the motor first.

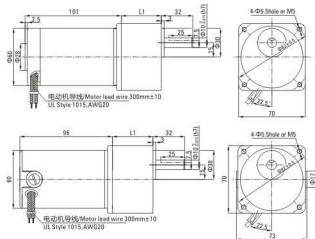


外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

● 导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 1.0kg 减速器 Gearhead : 0.55kg

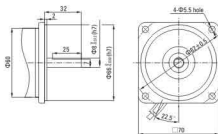


| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 3GN□K                   | 3-18              | 32 |
|                         | 25-200            | 42 |

● 减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

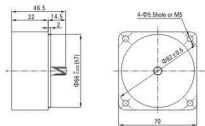
除重量及轴部外电动机外形与齿轮轴型相同。 Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



● 中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上 Can be connected to GN pinion shaft type  
电动机外形与齿轮轴型相同 Motor shape same as gear shaft type

3GN10K  
重量 Weight : 0.31kg



25W 40W

直流减速电机 □80mm  
DC GEAR MOTOR

25W 电机性能参数 25W Motor Performance Parameter

| 型号<br>Model | 电压<br>Voltage |    | 功率<br>Power |          | 空载参数 No-load Parameters |           | 负载参数 Load Parameters |      |     | 电刷寿命<br>Brush Life | 电机重量<br>Motor Weight |
|-------------|---------------|----|-------------|----------|-------------------------|-----------|----------------------|------|-----|--------------------|----------------------|
|             | V             | W  | r/min       | A        | 转速 Speed                | 力矩 Torque | 电流 Current           | A    | H   |                    |                      |
| Z4D25-12□   | 12            | 25 | 3200        | 1.4 Max. | 3100                    | 77        | 3.6                  | 2000 | 1.7 |                    |                      |
| Z4D25-24□   | 24            | 25 | 3000        | 0.7 Max. | 2850                    | 84        | 1.7                  | 2000 | 1.7 |                    |                      |
| Z4D25-90□   | 90            | 25 | 3200        | 0.2 Max. | 3000                    | 80        | 0.5                  | 2000 | 1.7 |                    |                      |

40W 电机性能参数 40W Motor Performance Parameter

| 型号<br>Model | 电压<br>Voltage |    | 功率<br>Power |          | 空载参数 No-load Parameters |           | 负载参数 Load Parameters |      |     | 电刷寿命<br>Brush Life | 电机重量<br>Motor Weight |
|-------------|---------------|----|-------------|----------|-------------------------|-----------|----------------------|------|-----|--------------------|----------------------|
|             | V             | W  | r/min       | A        | 转速 Speed                | 力矩 Torque | 电流 Current           | A    | H   |                    |                      |
| Z4D40-12□   | 12            | 40 | 3100        | 2.0 Max. | 2800                    | 136       | 5.2                  | 2000 | 1.8 |                    |                      |
| Z4D40-24□   | 24            | 40 | 3100        | 0.8 Max. | 3000                    | 127       | 2.1                  | 2000 | 1.8 |                    |                      |
| Z4D40-90□   | 90            | 40 | 3200        | 0.3 Max. | 3000                    | 127       | 0.7                  | 2000 | 1.8 |                    |                      |

● 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。  
Motor voltage, power and speed will be customized according to his requirement under the allowed circumstance of adoptable dimension.

装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售 中间减速器另售。  
Gearheads are sold separately, Decimal gearheads are not available.
- 减速器型号的□中为减速比的数值。  
Enter the gear ratio in the box(□) within the model name.
- □□色表示与电动机同一方向运转, 其他则为相反方向。  
The colored background □□ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是以电动机的额定转速为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右。  
The speed is calculated by dividing the motor's synchronous speed by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望以大于下表的减速比进行进一步减速时, 可在电动机与减速机之间安装减速比为10的中间减速器。  
这时的容许转矩为8Nm。  
To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead(gear ratio:10)between the gearhead and motor. In that case, the permissible torque is 8Nm.





■ 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

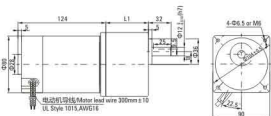
| 型号 Type     | 减速比 Gear Ratio | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 10   | 12.5 | 15   | 18   | 20   | 25   | 30   | 36   | 40   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  | 200  |
|-------------|----------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Z5D40-24GN  | 转速 Speed r/min | 933  | 778  | 560  | 467  | 373  | 311  | 280  | 224  | 187  | 156  | 140  | 112  | 93   | 78   | 70   | 56   | 47   | 37   | 31   | 28   | 23   | 19   | 16   | 14   |
|             | 5GN□KB         | 0.33 | 0.40 | 0.55 | 0.66 | 0.83 | 0.99 | 1.11 | 1.39 | 1.66 | 1.79 | 1.99 | 2.49 | 2.99 | 3.58 | 4.48 | 5.37 | 6.71 | 8.06 | 8.95 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
|             |                | 3.25 | 3.90 | 5.41 | 6.50 | 8.12 | 9.75 | 10.0 | 13.5 | 16.2 | 17.5 | 18.5 | 24.4 | 29.2 | 35.1 | 35.1 | 43.9 | 52.6 | 65.8 | 78.9 | 87.7 | 100  | 100  | 100  | 100  |
| Z5D60-24GU  | 转速 Speed r/min | 933  | 778  | 560  | 467  | 373  | 311  | 280  | 224  | 187  | 156  | 140  | 112  | 93   | 78   | 70   | 56   | 47   | 37   | 31   | 28   | 23   | 19   | 16   | 14   |
|             | 5GU□KB         | 0.50 | 0.60 | 0.83 | 0.99 | 1.24 | 1.49 | 1.49 | 1.86 | 2.24 | 2.69 | 2.69 | 3.36 | 4.03 | 4.83 | 5.37 | 6.71 | 8.06 | 10.1 | 10.9 | 12.1 | 14.5 | 18.1 | 20.0 | 20.0 |
|             |                | 4.87 | 5.85 | 8.12 | 9.75 | 12.2 | 14.6 | 14.6 | 18.3 | 21.9 | 26.3 | 26.3 | 32.9 | 39.5 | 47.4 | 52.6 | 65.8 | 78.9 | 98.7 | 107  | 118  | 142  | 178  | 200  | 200  |
| Z5D90-24GU  | 转速 Speed r/min | 933  | 778  | 560  | 467  | 373  | 311  | 280  | 224  | 187  | 156  | 140  | 112  | 93   | 78   | 70   | 56   | 47   | 37   | 31   | 28   | 23   | 19   | 16   | 14   |
|             | 5GU□KB         | 0.75 | 0.90 | 1.24 | 1.49 | 1.86 | 2.24 | 2.24 | 2.80 | 3.36 | 4.03 | 4.03 | 5.03 | 6.04 | 7.25 | 8.06 | 10.1 | 12.4 | 15.1 | 16.3 | 18.1 | 20.0 | 20.0 | 20.0 | 20.0 |
|             |                | 7.31 | 8.77 | 12.2 | 14.6 | 18.3 | 21.9 | 21.9 | 27.4 | 32.9 | 39.5 | 39.5 | 49.3 | 59.2 | 71.1 | 78.9 | 98.7 | 118  | 148  | 160  | 178  | 200  | 200  | 200  | 200  |
| Z5D120-24GU | 转速 Speed r/min | 867  | 722  | 520  | 433  | 347  | 289  | 260  | 208  | 173  | 144  | 130  | 104  | 87   | 72   | 65   | 52   | 43   | 35   | 29   | 26   | 22   | 17   | 14   | 13   |
|             | 5GU□KB         | 1.07 | 1.29 | 1.79 | 2.14 | 2.68 | 3.21 | 3.21 | 4.02 | 4.82 | 5.78 | 5.78 | 7.23 | 8.68 | 10.4 | 11.6 | 14.5 | 17.4 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|             |                | 10.5 | 12.6 | 17.5 | 21.0 | 26.2 | 31.5 | 31.5 | 39.4 | 47.2 | 56.7 | 56.7 | 70.9 | 85.0 | 102  | 113  | 142  | 170  | 200  | 200  | 200  | 200  | 200  | 200  | 200  |
| Z5D250-24GU | 转速 Speed r/min | 1000 | 833  | 600  | 500  | 400  | 333  | 300  | 240  | 200  | 167  | 150  | 120  | 100  | 83   | 75   | 60   | 50   | 40   | 33   | 30   | 25   | 20   | 17   | 15   |
|             | 5GU□KB         | 1.93 | 2.32 | 3.22 | 3.87 | 4.83 | 5.80 | 5.80 | 7.25 | 8.70 | 10.4 | 10.4 | 13.1 | 15.7 | 18.8 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|             |                | 19.0 | 22.7 | 31.6 | 37.9 | 47.4 | 56.9 | 56.9 | 71.1 | 85.3 | 102  | 102  | 128  | 154  | 184  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  |

■ 外形图 (单位 mm) Dimensions(Unit mm)

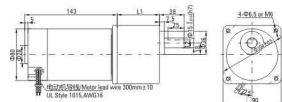
减速器附有安装用螺丝 Mounting screws are included with gearhead.

● 导线型 Lead Wiring Type

40W 重量 Weight : 电动机 Motor : 1.9kg 减速器 Gearhead : 1.5kg

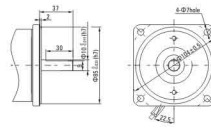
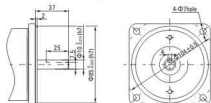


60W/90W/120W 重量 Weight : 电动机 Motor : 2.2kg 减速器 Gearhead : 1.5kg

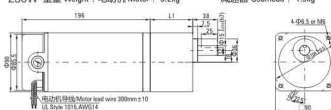


● 圆轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外形电动机外形与齿轮轴型相同。 Excluding weight and the shaft section motor shape are the same as those of the pin shaft type.



250W 重量 Weight : 电动机 Motor : 3.2kg 减速器 Gearhead : 1.5kg



40W

| 减速器型号 Gearhead Model | 减速比 Gear Ratio | L1   |
|----------------------|----------------|------|
| 5GN□KB               | 3-18           | 32   |
|                      | 25-200         | 42.5 |

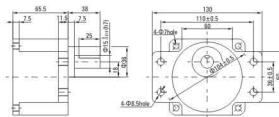
60W/90W/120W/250W

| 减速器型号 Gearhead Model | 减速比 Gear Ratio | L1   |
|----------------------|----------------|------|
| 5GU□KB               | 3-200          | 65.5 |

● 减速器型号的□中为减速比的数值 Enter the gear ratio in the box (□) within the model name

● 凸缘安装型减速器 Flange Mounting Reducer

可安装在GU齿轴轴型上 Can be mounted on GU type gear shafts 5GU□KB 重量 Weight: 1.5kg 60W/90W/120W/250W



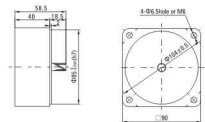
● 键 • 键槽 (减速器附件)

Key • Keyway (The Key is Included With The Gearhead)

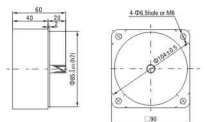


● 中间减速器 Decimal Gearhead

可安装在GN齿轴轴型上 Can be connected to GN pinion shaft type 电动机外形与齿轴轴型相同 电动机外形与齿轴轴型相同 5GN□KB 40W 重量 Weight : 0.41kg



60W/90W/120W/250W 重量 Weight : 0.651kg





# 250W

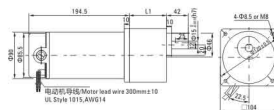
直流减速电机 □ 104mm  
DC GEAR MOTOR

### ■ 外形图 (单位 mm) Dimensions (Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 3.2kg      减速器 Gearhead : 1.5kg



| 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | L1 |
|-------------------------|-------------------|----|
| 6GU□K                   | 3~200             | 72 |

● 减速器型号的□中为减速比的数值  
Enter the gear ratio in the box (□) within the model name

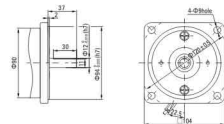
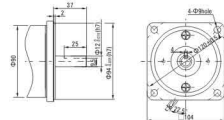
#### ● 键=键槽 (减速器附件)

Key = Keyway (The Key is Included With The Gearhead)



#### ● 圆轴型的轴部分 Shaft Section Of Round Shaft Type

除重量及轴部分电动机外形与齿轮型相同。  
Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



### ■ 电机性能参数 Motor Performance Parameters

| 型号<br>Model  | 电压<br>Voltage |     | 功率<br>Power |          | 空载参数 No-load Parameters |           |            | 负载参数 Load Parameters |      |   | 电机寿命<br>Brush Life | 电机重量<br>Motor Weight |
|--------------|---------------|-----|-------------|----------|-------------------------|-----------|------------|----------------------|------|---|--------------------|----------------------|
|              | V             | W   | r/min       | A        | 转速 Speed                | 力矩 Torque | 电流 Current | r/min                | mN.m | A |                    |                      |
| Z6D250-24 □  | 24            | 250 | 3400        | 3.0 Max. | 3000                    | 796       | 16.0       | 2000                 | 3.2  |   |                    |                      |
| Z6D250-90 □  | 90            | 250 | 3300        | 1.0 Max. | 3000                    | 796       | 4.0        | 2000                 | 3.2  |   |                    |                      |
| Z6D250-220 □ | 220           | 250 | 3300        | 0.8 Max. | 3000                    | 796       | 2.0        | 2000                 | 3.2  |   |                    |                      |

● 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized according to his requirement under the allowed circumstance of adpstable dimension.

### ■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速器另售 中间减速器另售。  
Gearheads are sold separately. Decimtal gearheads are not available.
- 减速器型号的□中为减速比的数值。  
Enter the gear ratio in the box (□) within the model name.
- □中色表示与电动机同一方向运转, 其他则为相反方向。  
The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.
- 转速是以电动机的额定转速为基准除以减速比再算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右。  
The speed is calculated by dividing the motor's synchronous speed by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望以大于下表的减速比进行进一步减速时, 可在电动机与减速机之间安装减速比为10的中间减速机。  
这时的容许转矩为40N.m。  
To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead(gear ratio:10)between the gearhead and motor. In that case, the permissible torque is 40N.m.

### ■ 容许力矩单位 Allowance Torque Unit : 上段 Upside ( N.m ) / 下段 Belowside ( kgf.cm )

| 型号 Type     | 减速比<br>Gear Ratio | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  | 200  |      |
|-------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Z6D250-24GN | 转速<br>Speed r/min | 1000 | 833  | 600  | 500  | 400  | 333  | 240  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 40   | 33   | 30   | 25   | 20   | 16   | 15   |      |
|             | 6GU□K             | 1.93 | 2.32 | 3.22 | 3.87 | 4.83 | 5.80 | 7.25 | 8.70 | 10.4 | 13.1 | 15.7 | 18.8 | 26.1 | 31.3 | 39.2 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 | 40.0 |
|             |                   | 19.0 | 22.7 | 31.6 | 37.9 | 47.4 | 56.9 | 71.1 | 85.3 | 102  | 128  | 154  | 184  | 256  | 307  | 384  | 400  | 400  | 400  | 400  | 400  | 400  | 400  |



25W 40W  
直流弧锥直角减速电机 □ 80mm  
DC RIGHT ANGLE GEAR MOTOR



40W 60W  
90W 120W  
250W  
直流弧锥直角减速电机 □ 90mm  
DC RIGHT ANGLE GEAR MOTOR

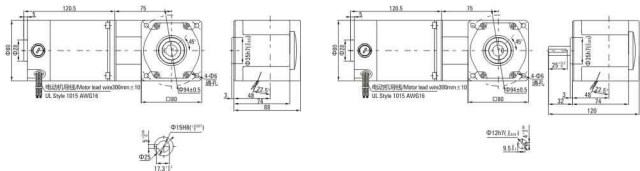
■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速机中间减速机另售。Gearhead and intermediate gearhead are sold separately.
- 减速机品名的□中为减速比的数值。Enter the reduction ratio into the blank(□) within the model name.
- □色表示分别从电动机轴轴端和减速机轴轴端看时，电机轴与输出轴转向相反方向运转。其他则为同一方向运转。  
□ Indicates the opposite rotating direction between motor shaft and gearbox shaft while others are in same direction.
- 转速是以电动机的额定转速为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右。  
The speed is calculated by dividing the motor's synchronous speed by the reduction ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望以大于下表的减速比进行进一步减速时，可在电动机与减速机之间安装减速比为10的中间减速机。这时的容许转矩为8N·m。  
To reduce the speed beyond the reduction ratio in the following table, attach an intermediate gearhead (reduction ratio: 10) between the reducer and motor. In that case, the permissible torque is 8N·m.

■ 容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型Type<br>电动机/减速机<br>Motor/Gearhead | 减速比Gear Ratio | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |
|-------------------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| Z4D25-24GN-28.5S                    | 4GN□RC/       | 0.16 | 0.20 | 0.27 | 0.33 | 0.46 | 0.55 | 0.76 | 0.92 | 1.10 | 1.53 | 1.80 | 2.20 | 3.05 | 3.30 | 4.12 | 4.95 | 5.50 | 6.60 | 8.00 | 8.00 |
|                                     | 4GN□RT        | 1.63 | 2.04 | 2.75 | 3.37 | 4.69 | 5.61 | 7.75 | 9.38 | 11.2 | 15.6 | 18.4 | 22.4 | 31.1 | 33.7 | 42.0 | 50.5 | 56.1 | 67.3 | 80.0 | 8.00 |
| Z4D40-24GN-30S                      | 4GN□RC/       | 0.25 | 0.30 | 0.42 | 0.50 | 0.70 | 0.84 | 1.16 | 1.39 | 1.67 | 2.32 | 2.78 | 3.34 | 4.64 | 5.01 | 6.27 | 7.52 | 8.00 | 8.00 | 8.00 | 8.00 |
|                                     | 4GN□RT        | 2.55 | 3.06 | 4.28 | 5.10 | 7.14 | 8.57 | 11.8 | 14.2 | 17.0 | 23.7 | 28.4 | 34.1 | 47.3 | 51.1 | 64.0 | 76.7 | 80.0 | 80.0 | 8.00 | 8.00 |

■ 外形图 (单位:mm) Dimensions(Unit:mm)



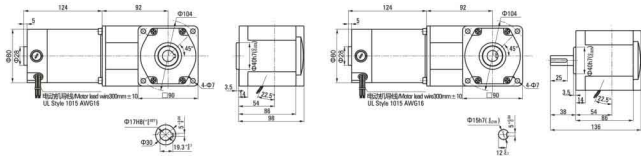
■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速机中间减速机另售。Gearhead and intermediate gearhead are sold separately.
- 减速机品名的□中为减速比的数值。Enter the reduction ratio into the blank(□) within the model name.
- □色表示分别从电动机轴轴端和减速机轴轴端看时，电机轴与输出轴转向相反方向运转。其他则为同一方向运转。  
□ Indicates the opposite rotating direction between motor shaft and gearbox shaft while others are in same direction.
- 转速是以电动机的额定转速为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右。  
The speed is calculated by dividing the motor's synchronous speed by the reduction ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望以大于下表的减速比进行进一步减速时，可在电动机与减速机之间安装减速比为10的中间减速机。这时的容许转矩为20N·m。  
To reduce the speed beyond the reduction ratio in the following table, attach an intermediate gearhead (reduction ratio: 10) between the reducer and motor. In that case, the permissible torque is 20N·m.

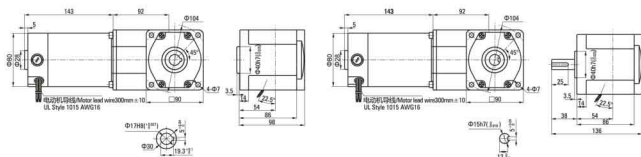
■ 容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型Type<br>电动机/减速机<br>Motor/Gearhead | 减速比Gear Ratio | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |
|-------------------------------------|---------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 25D40-24GU-28S                      | 5GU□RC/       | 0.27 | 0.32 | 0.42 | 0.54 | 0.75 | 0.90 | 1.24 | 1.49 | 1.79 | 2.32 | 2.78 | 3.01 | 4.18 | 5.37 | 6.71 | 8.06 | 8.95 | 10.7 | 13.4 | 16.1 |
|                                     | 5GU□RT        | 2.75 | 3.26 | 4.28 | 5.51 | 7.65 | 9.18 | 12.6 | 15.2 | 18.3 | 23.7 | 28.4 | 30.7 | 42.6 | 54.8 | 68.4 | 82.2 | 91.3 | 109  | 137  | 164  |
| 25D60-24GU-28S                      | 5GU□RC/       | 0.40 | 0.48 | 0.67 | 0.81 | 1.12 | 1.34 | 1.86 | 2.24 | 2.69 | 3.37 | 4.48 | 4.83 | 6.71 | 8.06 | 10.1 | 12.1 | 13.4 | 16.1 | 20.0 | 20.0 |
|                                     | 5GU□RT        | 4.08 | 4.90 | 6.83 | 8.26 | 11.4 | 13.7 | 19.0 | 22.8 | 27.4 | 38.0 | 45.7 | 49.3 | 68.4 | 82.2 | 103  | 123  | 137  | 164  | 200  | 200  |
| 25D90-24GU-28S                      | 5GU□RC/       | 0.60 | 0.73 | 1.01 | 1.21 | 1.68 | 2.01 | 2.80 | 3.36 | 4.03 | 5.59 | 6.71 | 7.25 | 10.1 | 12.1 | 15.1 | 18.1 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                     | 5GU□RT        | 6.12 | 7.45 | 10.3 | 12.3 | 17.1 | 20.5 | 28.6 | 34.3 | 41.1 | 57.0 | 68.4 | 74.0 | 103  | 123  | 154  | 185  | 200  | 200  | 200  | 200  |
| 25D120-24GU-26S                     | 5GU□RC/       | 0.87 | 1.04 | 1.45 | 1.74 | 2.41 | 2.84 | 4.02 | 4.82 | 5.78 | 8.03 | 9.64 | 10.4 | 14.5 | 17.4 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                     | 5GU□RT        | 8.87 | 10.6 | 14.8 | 17.7 | 24.6 | 29.1 | 41.0 | 48.2 | 59.0 | 81.9 | 98.3 | 106  | 148  | 177  | 200  | 200  | 200  | 200  | 200  | 200  |
| 25D250-24GU-30S                     | 5GU□RC/       | 1.57 | 1.88 | 2.61 | 3.13 | 4.35 | 5.13 | 7.20 | 8.70 | 10.4 | 14.5 | 17.4 | 18.8 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |
|                                     | 5GU□RT        | 16.0 | 19.2 | 26.6 | 31.9 | 44.4 | 52.5 | 73.0 | 87.0 | 104  | 145  | 174  | 188  | 200  | 200  | 200  | 200  | 200  | 200  | 200  | 200  |

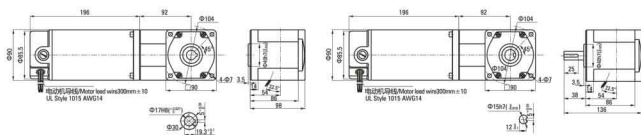
■ 外形图 (单位:mm) Dimensions(Unit:mm) 40W



■ 外形图 (单位:mm) Dimensions(Unit:mm) 60W/90W/120W



■ 外形图 (单位:mm) Dimensions(Unit:mm) 250W



# 250W

直流弧锥直角减速电机 □104mm  
DC RIGHT ANGLE GEAR MOTOR

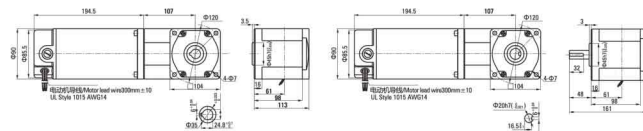
■ 装有减速器时的容许转矩 Gear Motor-Torque Table

- 减速机中间减速机另售。Gearhead and Intermediate gearhead are sold separately.
- 减速机后名称□中为减速比的数值。Enter the reduction ratio into the blank(□) within the model name.
- 颜色表示分别从电机轴轴端和减速机轴轴端看时,电机轴与输出轴转向为反向运转。其他则为同一方向运转。  
□ Indicates the opposite rotating direction between motor shaft and gearbox shaft while others are in same direction.
- 转速是以电机的额定转速为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右。  
The speed is calculated by dividing the motor's synchronous speed by the reduction ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.
- 希望大于下表的减速比进行进一步减速时,可在电动机与减速机之间安装减速比为10的中间减速机。这时的容许转矩为60N·m。  
To reduce the speed beyond the reduction ratio in the following table, attach an intermediate gearhead (reduction ratio: 10) between the reducer and motor. In that case, the permissible torque is 60N·m.

■ 容许力矩单位 Allowance Torque Unit: 上段 Upside (N.m) / 下段 Belowside (kgf.cm)

| 机型Type<br>电动机/减速机<br>Motor/Gearhead | 减速比Gear Ratio     | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  |
|-------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                     | 转速Speed<br>r/min  | 1000 | 833  | 600  | 500  | 400  | 333  | 240  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 40   | 33   | 30   | 25   | 20   | 16   |
| Z8D250-24GU-30S                     | 6GU□RC/<br>6GU□RT | 1.57 | 1.88 | 2.61 | 3.13 | 3.92 | 9.83 | 13.6 | 8.70 | 10.4 | 14.5 | 17.4 | 20.9 | 26.1 | 31.3 | 39.2 | 47.0 | 52.2 | 60.0 | 60.0 | 60.0 |
|                                     |                   | 16.0 | 19.2 | 26.6 | 3.19 | 40.0 | 100  | 139  | 88.7 | 106  | 148  | 177  | 213  | 266  | 319  | 340  | 479  | 532  | 600  | 600  | 600  |

■ 外形图 (单位:mm) Dimensions(Unit:mm)





# 60W

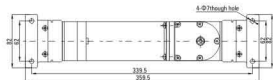
开门电机  
DOOR MOTOR

■有刷开门电机性能参数 Brushed Door Motor Performance Parameters

| 型号<br>Model | 功率<br>Power | 电压<br>Voltage | 空载参数No-load Parameters |                | 负载参数Load Parameters |                  |               | 整机允许力矩<br>Allowable Torque Motor |               | 电机重量<br>Motor Weight |
|-------------|-------------|---------------|------------------------|----------------|---------------------|------------------|---------------|----------------------------------|---------------|----------------------|
|             |             |               | 转速Speed<br>r/min       | 电流Current<br>A | 转速Speed<br>r/min    | 力矩Torque<br>mN.m | 电Current<br>A | GR 5<br>mN.m                     | GR 13<br>mN.m |                      |
| ZDMJ-1      | 60          | 24            | 2300                   | 0.4Max.        | 1800                | 318              | 4.0           | 1840                             | 2650          | 1.2                  |
| ZDMJ-2      | 60          | 90            | 2300                   | 0.3Max.        | 1800                | 318              | 1.1           | 1840                             | 2650          | 1.0                  |

■外形图 Dimension (单位Unit:mm)

减速器附有安装用螺丝Mounting screws are included with gearhead



| 电动机型号<br>Motor Model | 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio |
|----------------------|-------------------------|-------------------|
| ZDMJ-1               | GC□                     | 8.5               |
| ZDMJ-2               |                         | 13                |

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box(□)within the model name



| 插孔意义Meanings Of Pins |      |     |       |   |     |       |       |
|----------------------|------|-----|-------|---|-----|-------|-------|
| 1                    | 2    | 3   | 4     | 5 | 6   | 7     | 8     |
| Hcw                  | Hccw | +SV | (H)nd | / | GND | MOTOR | MOTOR |
|                      |      |     |       |   |     | GND   | + -   |

■无刷开门电机性能参数 Brushless Door Motor Performance Parameters

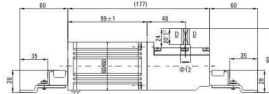
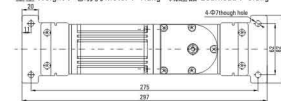
| 型号<br>Model | 功率<br>Power | 电压<br>Voltage | 空载参数No-load Parameters |                | 负载参数Load Parameters |                  |               | 整机允许力矩<br>Allowable Torque Motor |               | 电机重量<br>Motor Weight |
|-------------|-------------|---------------|------------------------|----------------|---------------------|------------------|---------------|----------------------------------|---------------|----------------------|
|             |             |               | 转速Speed<br>r/min       | 电流Current<br>A | 转速Speed<br>r/min    | 力矩Torque<br>mN.m | 电Current<br>A | GR 5<br>mN.m                     | GR 13<br>mN.m |                      |
| ZDMJ-3      | 60          | 24            | 3000                   | 0.6Max.        | 2500                | 229              | 4.0           | 1320                             | 2000          | 1.2                  |

■外形图 Dimension (单位Unit:mm)

减速器附有安装用螺丝Mounting screws are included with gearhead

● 导线型 Lead Wiring Type

重量 Weight : 电动机 Motor : 1.2kg 减速器 Gearhead : 0.8kg



| 电动机型号<br>Motor Model | 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio |
|----------------------|-------------------------|-------------------|
| ZDMJ-3               | GC□                     | 8.5               |
|                      |                         | 13                |

●减速器型号的□中为减速比的数值  
Enter the gear ratio in the box(□)within the model name

| 插孔意义Meanings of pins |   |   |     |   |     |    |    |    |
|----------------------|---|---|-----|---|-----|----|----|----|
| 1                    | 2 | 3 | 4   | 5 | 6   | 7  | 8  | 9  |
| W                    | V | U | +SV | / | GND | Hd | Hv | Hv |



Brushless DC Motor  
无刷直流电动机

Z 5 BLD 60 - 24 - GN-30S

① ② ③ ④ ⑤ ⑥ ⑦

|   |                                            |                                                                                                                                                           |
|---|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| ① | 公司代码 Company code                          | 型号尺寸 (Model and Diameter)                                                                                                                                 |
| ② | 机座号 Code                                   | 2 3 4 5 6                                                                                                                                                 |
|   | 电机安装法兰 Mounting Flange mm                  | 60×60 70×70 80×80 90×90 104×104                                                                                                                           |
|   | 机壳直径 Case Diameter mm                      | 60 60 80 80 90                                                                                                                                            |
| ③ | 电机种类 Motor Type                            | BLD: 无刷直流电机配方形减速器 (BLD: Brushless motor with square gearbox)                                                                                              |
| ④ | 输出功率 Output power                          | 60: 60W                                                                                                                                                   |
| ⑤ | 电源电压 Voltage                               | 24: 24V DC                                                                                                                                                |
| ⑥ | 相对于方形减速箱 Relative to square type gear box: |                                                                                                                                                           |
|   | 齿轴形状 Motor shaft type                      | GN:GN型齿轴 GN type gear shaft GU:GU型齿轴 GN type gear shaft                                                                                                   |
|   | 相对于L型减速箱 L type gearbox:                   |                                                                                                                                                           |
|   | 齿轴形状 shaft shape                           | GNL:GNL系列齿轮轴 (主要为2&4系列) Type L GN series gear shaft (mainly for 2&4 series)<br>GUL:GU系列齿轮轴 (主要为5&6系列) Type L GU series gear shaft (mainly for 5&6 series) |
|   | 电机轴形状 Shape of Motor Shaft                 | A:圆轴型 Circular shaft type A:键槽型 Keyway type                                                                                                               |
| ⑦ | 电机转速 Speed                                 | 30S: 3000rpm                                                                                                                                              |

DESCRIPTION OF GEARBOX  
减速器型号说明

5 GN 50 K  
① ② ③ ④

|   |                          |                                                                                              |
|---|--------------------------|----------------------------------------------------------------------------------------------|
| ① | 型号尺寸 Model and Dimension | 2:60mm 3:70mm 4:80mm 5:90mm 6:104mm                                                          |
| ② | 齿轴类型 Gear Type           | GN: 普通型斜齿轴 GN: General Helical Gear<br>GU: 加强型斜齿轴 GU: Reinforced Helical Gear                |
| ③ | 减速比 Gear Ratio           | 50: 减速比1:50 50: Gear ratio 1:50<br>10X仅限于速比1:10的中间 减速比 10X refers to the mid gear ratio 1:10 |
| ④ | 轴承类型 Bearing Type        | K: 滚珠轴承对GU型方箱体标注为KB<br>K: Ball Bearing(Mark KB for Type GU square gearbox)                   |



60系列  
60 SERIES

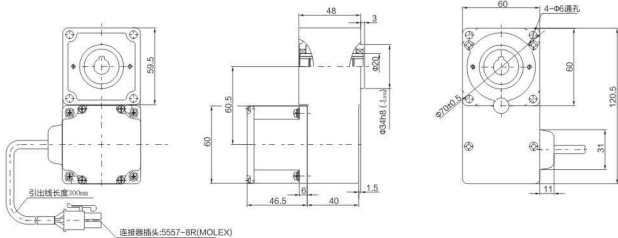
■ 60L型减速器 60 Pressure L Type Reducer

■ 外形图 (单位mm) Dimensions(Unit mm)

减速器附有安装用螺丝 Mounting screws are included with gearhead.

● 导线型 Lead Wiring Type

重量 Weight: 电动机 Motor: 0.9kg 减速器: Gearhead 0.48kg

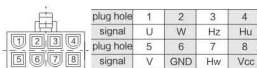


● 键 - 键槽 ( 减速器附件 )

Key - Keyway (The Key Is Included With The Gearhead)



● 接线插孔对应信号说明 Write Plug hole Corr esp - ending Signal Explanation



60W

直流无刷减速电机 □80mm  
BLDC GEAR MOTOR

■ 低压无刷电机性能参数 Low Voltage Motor Parameters

| 型号 Model    | 电压 Voltage V | 空载电流 No-load Current A | 空载转速 No-load Speed RPM | 额定功率 Rated Power W | 额定电流 Rated Current A | 额定转速 Rated Speed RPM | 额定转矩 Rated Torque N.m | 防护等级 Grade Protection IP |
|-------------|--------------|------------------------|------------------------|--------------------|----------------------|----------------------|-----------------------|--------------------------|
| Z4BLD60-24□ | 24           | 0.60                   | 3900                   | 60                 | 3.5                  | 3000                 | 0.19                  | 20                       |
| Z4BLD60-36□ | 36           | 0.45                   | 3600                   | 60                 | 2.4                  | 3000                 | 0.19                  | 20                       |
| Z4BLD60-48□ | 48           | 0.30                   | 3400                   | 60                 | 1.8                  | 3000                 | 0.19                  | 20                       |

■ 高压无刷电机性能参数 High Voltage Motor Parameters

| 型号 Model      | 电压 Voltage V | 频率 Frequency Hz | 额定功率 Rated Power W | 额定电流 Rated Current A | 额定转速 Rated Speed RPM | 额定转矩 Rated Torque N.m | 防护等级 Grade Protection IP |
|---------------|--------------|-----------------|--------------------|----------------------|----------------------|-----------------------|--------------------------|
| Z4BLD25-220GN | 220-230      | 50/60           | 25                 | 0.40                 | 2500                 | 0.10                  | 44                       |
|               | 100-120      | 50/60           | 25                 | 0.80                 | 2500                 | 0.10                  | 44                       |
| Z4BLD40-220GN | 220-230      | 50/60           | 40                 | 0.50                 | 2500                 | 0.15                  | 44                       |
|               | 100-120      | 50/60           | 40                 | 1.00                 | 2500                 | 0.15                  | 44                       |
| Z4BLD60-220GN | 220-230      | 50/60           | 60                 | 0.65                 | 2500                 | 0.23                  | 44                       |
|               | 100-120      | 50/60           | 60                 | 1.30                 | 2500                 | 0.23                  | 44                       |

● 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized according to this requirement under the allowed circumstance of adoptable dimension.

■ 种类 Type

● 低压电动机 Low Voltage Motor

| 机型 Type            | 型号 Model          |                 |
|--------------------|-------------------|-----------------|
|                    | 齿轮轴型 Pinion Shaft | 圆轴型 Round Shaft |
| 导线型 Lead Wire Type | Z4BLD60-24GN      | Z4BLD60-24A     |
|                    | Z4BLD60-36GN      | Z4BLD60-36A     |
|                    | Z4BLD60-48GN      | Z4BLD60-48A     |

● 平行轴减速器 (另售) Parallel Shaft Gearhead (Sold Separately)

| 减速器种类 Gearhead Type             | 减速器型号 Gearhead Model | 减速比 Gear Ratio                                                                          |
|---------------------------------|----------------------|-----------------------------------------------------------------------------------------|
| 长寿命 ● 低噪音 Long Life ● Low Noise | 4GN□K                | 3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200 |
|                                 |                      | 4GN10XXK (中间减速器 Decimal Gearhead)                                                       |

● 高压电动机 High Voltage Motor

| 机型 Type            | 型号 Model          |                 |
|--------------------|-------------------|-----------------|
|                    | 齿轮轴型 Pinion Shaft | 圆轴型 Round Shaft |
| 导线型 Lead Wire Type | Z4BLD25-220GN     | Z4BLD25-220A    |
|                    | Z4BLD40-220GN     | Z4BLD40-220A    |
|                    | Z4BLD60-220GN     | Z4BLD60-220A    |

● 减速器型号的 □ 中为减速比的数值

Enter the gear ratio in the box within the model name







40W 60W  
90W 120W

直流无刷减速电机 □90mm  
BLDC GEAR MOTOR

■ 低压无刷电机性能参数 Low Voltage Motor Parameters

| 型号 Model     | 电压 Voltage V | 空载电流 No-load Current A | 空载转速 No-load Speed RPM | 额定功率 Rated Power W | 额定电流 Rated Current A | 额定转速 Rated Speed RPM | 额定力矩 Rated Torque N.m | 防护等级 Grade Protection IP |
|--------------|--------------|------------------------|------------------------|--------------------|----------------------|----------------------|-----------------------|--------------------------|
| Z5BLD120-24□ | 24           | 0.85                   | 4050                   | 120                | 6.5                  | 3000                 | 0.38                  | 20                       |
| Z5BLD120-36□ | 36           | 0.57                   | 3900                   | 120                | 4.5                  | 3000                 | 0.38                  | 20                       |
| Z5BLD120-48□ | 48           | 0.45                   | 3600                   | 120                | 3.5                  | 3000                 | 0.38                  | 20                       |

■ 高压无刷电机性能参数 High Voltage Motor Parameters

| 型号 Model       | 电压 Voltage V | 频率 Frequency Hz | 额定功率 Rated Power W | 额定电流 Rated Current A | 额定转速 Rated Speed RPM | 额定力矩 Rated Torque N.m | 防护等级 Grade Protection IP |
|----------------|--------------|-----------------|--------------------|----------------------|----------------------|-----------------------|--------------------------|
| Z5BLD40-220GN  | 220-230      | 50/60           | 40                 | 0.50                 | 2500                 | 0.15                  | 44                       |
|                | 100-120      | 50/60           | 40                 | 1.00                 | 2500                 | 0.15                  | 44                       |
| Z5BLD60-220GU  | 220-230      | 50/60           | 60                 | 0.70                 | 2500                 | 0.23                  | 44                       |
|                | 100-120      | 50/60           | 60                 | 1.40                 | 2500                 | 0.23                  | 44                       |
| Z5BLD90-220GU  | 220-230      | 50/60           | 90                 | 0.96                 | 2500                 | 0.34                  | 44                       |
|                | 100-120      | 50/60           | 90                 | 1.90                 | 2500                 | 0.34                  | 44                       |
| Z5BLD120-220GU | 220-230      | 50/60           | 120                | 1.40                 | 2500                 | 0.46                  | 44                       |
|                | 100-120      | 50/60           | 120                | 2.80                 | 2500                 | 0.46                  | 44                       |

● 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized according to his requirement under the allowed circumstance of adoptable dimension.

■ 种类 Type

● 低压电动机 Low Voltage Motor

| 机型 Type            | 型号 Model          |                 |
|--------------------|-------------------|-----------------|
|                    | 齿轮轴型 Pinion Shaft | 圆轴型 Round Shaft |
| 导线型 Lead Wire Type | Z5BLD120-24GU     | Z5BLD120-24A    |
|                    | Z5BLD120-36GU     | Z5BLD120-36A    |
|                    | Z5BLD120-48GU     | Z5BLD120-48A    |

● 高压电动机 High Voltage Motor

| 机型 Type            | 型号 Model          |                 |
|--------------------|-------------------|-----------------|
|                    | 齿轮轴型 Pinion Shaft | 圆轴型 Round Shaft |
| 导线型 Lead Wire Type | Z5BLD40-220GU     | Z5BLD40-220A    |
|                    | Z5BLD60-220GU     | Z5BLD60-220A    |
|                    | Z5BLD90-220GU     | Z5BLD90-220A    |
|                    | Z5BLD120-220GU    | Z5BLD120-220A   |

● 平行轴减速器 (另售) Parallel Shaft Gearhead (Sold Separately)

| 减速器种类 Gearhead Type                | 减速器型号 Gearhead Model            | 减速比 Gear Ratio                                                                          |
|------------------------------------|---------------------------------|-----------------------------------------------------------------------------------------|
| 长寿命 ● 低噪音<br>Long Life ● Low Noise | 5GU□KB                          | 3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200 |
|                                    | 5GU10XK(中间减速器 Decimal Gearhead) |                                                                                         |

● 减速器型号的 □ 中为减速比的数值

Enter the gear ratio in the box within the model name

■ 装有减速器时的容许转矩 Gear Motor-torque Table

减速器另售：中间减速器另售。

Gearhead and mid-gearbox can be sold separately

减速器型号的 □ 中为减速比的数值。

Enter the gear ratio in the box (□) within the model name.

□ 表示与电动机同一方向旋转，其他则为相反方向。

The colored background (□) indicates the same rotating direction of the motor while the rotating direction of others are opposite.

转速是以电动机的额定转速为基准除以减速比而算出来的数值，实际转速将负载大小变化而所示数值减少2%~20%左右。

The speed is calculated by dividing the motor's synchronous speed by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.

● 希望以下大于表的减速比进行进一步减速时，可在电动机与减速机之间安装减速比为10的中间减速机。这时的容许转矩为3N·m

To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead(gear ratio:10) between the gearhead and motor.

In that case, the permissible torque is 3N·m.

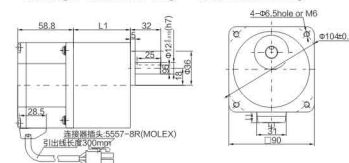
■ 容许力矩单位 Allowance Torque Unit: 上段 Up side(N.m) / 下段 Below side(kgf.cm)

| 减速比 Gear Ratio                     | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5 | 15   | 18   | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  | 200  |
|------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 输出轴转速 r/min<br>Out put shaft speed | 1000 | 830  | 600  | 500  | 400  | 330  | 240  | 200  | 166  | 120  | 100  | 83   | 60   | 50   | 40   | 33   | 30   | 25   | 20   | 16   | 15   |
| GU允许力矩 N.m<br>Allowance Torque     | 0.92 | 1.10 | 1.54 | 1.86 | 2.32 | 2.78 | 3.44 | 4.12 | 4.94 | 6.00 | 7.22 | 8.66 | 12.0 | 14.4 | 18.0 | 19.9 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |

■ 外形图 (单位 mm) Dimensions(Unit mm)

减速器将附有安装螺丝 Mounting screws are included with gearhead.

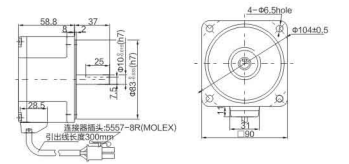
- 导线型 Lead Wiring Type  
重量 Weight: 电动机 Motor: 1.3kg 减速器: Gearhead 1.5kg



● 圆轴型的转轴部分 Shaft Section Of Round Shaft Type

除重量及轴部外形电动机与齿轮轴型相同。

Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



- 键 - 键槽 (减速器附件)  
Key - Keyway (The Key is Included With The Gearhead)



| 电动机型号 Motor Model | 减速器型号 Gearhead Model | 减速比 Gear Ratio | L尺寸 Dimension |
|-------------------|----------------------|----------------|---------------|
| Z5BLD120-□□□      | 5GU□KB               | 3-200          | 65.5          |

● 减速器型号的 □ 中为减速比的数值

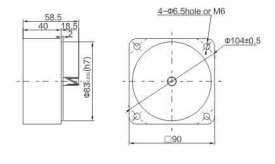
Enter the gear ratio in the box (□) within the model name

● 中间减速器 Decimal Gearhead

可安装在GN齿轮轴型上

Can be connected to GN pinion shaft type 5GN10XK

重量 Weight: 0.65kg



● 接线孔对应信号说明 Wire Plug hole Corresponding Signal Explanation

| plug hole | 1 | 2   | 3  | 4   |
|-----------|---|-----|----|-----|
| signal    | U | W   | Hz | Hu  |
| plug hole | 5 | 6   | 7  | 8   |
| signal    | V | GND | Hw | Vcc |

## 90系列 90 SERIES

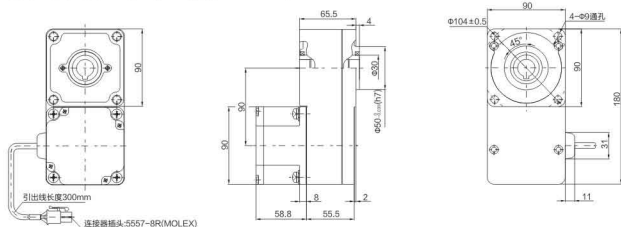
### ■ 90L型减速机 90 L Type Reducer

#### ■ 外形图 (单位mm) Dimensions(Unit mm)

减速机附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

重量 Weight: 电动机 Motor: 2.0kg 减速机 Gearhead: 1.5kg



#### ● 键 - 键槽 (减速机附件)

Key - Keyway (The Key is Included With The Gearhead)



#### ● 接线孔对应信号说明 Wire Plug Hole Corresponding Signal Explanation

| plug hole | 1 | 2   | 3  | 4   |
|-----------|---|-----|----|-----|
| signal    | U | W   | Hz | Hu  |
| plug hole | 5 | 6   | 7  | 8   |
| signal    | V | GND | Hw | Vcc |

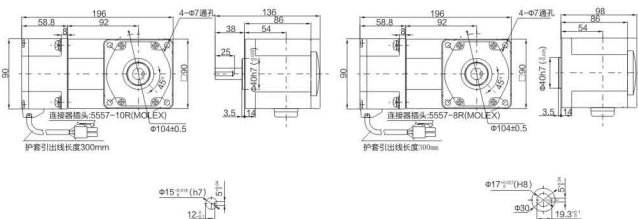
### ■ 90弧锥形减速机 90 Right Angle Reducer

#### ■ 外形图 (单位 mm) Dimensions(Unit mm)

减速机附有安装用螺丝 Mounting screws are included with gearhead.

#### ● 导线型 Lead Wiring Type

重量 Weight: 电动机 Motor: 2.8kg 减速机 Gearhead: 1.5kg



# 400W

直流无刷减速电机 □104mm  
BLDC GEAR MOTOR

### ■ 低压无刷电机性能参数 Low Voltage Motor Parameters

| 型号 Model      | 电压 Voltage V | 空载电流 No-load Current A | 空载转速 No-load Speed RPM | 额定功率 Rated Power W | 额定电流 Rated Current A | 额定转速 Rated Speed RPM | 额定力矩 Rated Torque N.m | 防护等级 Grade Protection IP |
|---------------|--------------|------------------------|------------------------|--------------------|----------------------|----------------------|-----------------------|--------------------------|
| Z6BLD400-48GU | 48           | 1.50                   | 3800                   | 400                | 10.5                 | 3000                 | 1.27                  | 20                       |

### ■ 高压无刷电机性能参数 High Voltage Motor Parameters

| 型号 Model       | 电压 Voltage V | 频率 Frequency Hz | 额定功率 Rated Power W | 额定电流 Rated Current A | 额定转速 Rated Speed RPM | 额定力矩 Rated Torque N.m | 防护等级 Grade Protection IP |
|----------------|--------------|-----------------|--------------------|----------------------|----------------------|-----------------------|--------------------------|
| Z6BLD400-220GU | 220-230      | 50/60           | 400                | 3.50                 | 2500                 | 1.50                  | 44                       |
|                | 100-120      | 50/60           | 400                | 7.10                 | 2500                 | 1.50                  | 44                       |

● 电机电压、功率及转速可在配件尺寸等条件下根据客户要求定制。

Motor voltage, power and speed will be customized according to his request under the allowed circumstance of adoptable dimension.

### ■ 种类 Type

#### ● 低压电动机 Low Voltage Motor

| 机型 Type            | 型号 Model          |                 |
|--------------------|-------------------|-----------------|
|                    | 齿轮轴型 Pinion Shaft | 圆轴型 Round Shaft |
| 导线型 Lead Wire Type | Z6BLD400-48GU     | Z6BLD400-48A    |

#### ● 高压电动机 High Voltage Motor

| 机型 Type            | 型号 Model          |                 |
|--------------------|-------------------|-----------------|
|                    | 齿轮轴型 Pinion Shaft | 圆轴型 Round Shaft |
| 导线型 Lead Wire Type | Z6BLD400-110GU    | Z6BLD400-220A   |
|                    | Z6BLD400-220GU    | Z6BLD400-220A   |

#### ● 平行轴减速机 (另售) Parallel Shaft Gearhead (Sold Separately)

| 减速机种类 Gearhead Type             | 减速机型号 Gearhead Model | 减速比 Gear Ratio                                                                          |
|---------------------------------|----------------------|-----------------------------------------------------------------------------------------|
| 长寿命 ● 低噪音 Long Life ● Low Noise | 6GU□KB               | 3, 3.6, 5, 6, 7.5, 9, 12.5, 15, 18, 25, 30, 36, 50, 60, 75, 90, 100, 120, 150, 180, 200 |
|                                 |                      | 6GU10XK(中间减速机 Decimal Gearhead)                                                         |

● 减速机型号的□中为减速比的数值

Enter the gear ratio in the box within the model name

■ 装有减速器时的容许转矩 Gear Motor-torque Table

减速器另售。中间减速器另售。  
Gearhead and mid-gearbox can be sold separately

减速器型号中的方框为减速比的数值。

Enter the gear ratio in the box ( ) within the model name.

□ 表示与电动机同一方向旋转，其他则为相反方向。

The colored background □ indicates the same rotating direction of the motor while the rotating direction of others are opposite.

转速以电动机额定转速为基准除以减速比而算出来的数值。实际转速将随负载大小变化而比所示数值减少2%~20%左右。

The speed is calculated by dividing the motor's synchronous speed by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.

希望以大于下表中的减速比进行进一步减速时，可在电动机与减速机之间安装减速比为10的中间减速机。这时的容许转矩为3N·m

To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead(gear ratio:10)between the gearhead and motor.

In that case, the permissible torque is 3N·m.

■ 容许力矩单位 Allowance Torque Unit:上段 Up side(N.m) / 下段 Below side(kgf.cm)

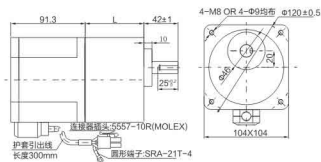
|                                   |      |      |      |      |      |      |       |       |       |      |      |      |      |      |      |      |      |      |      |      |      |
|-----------------------------------|------|------|------|------|------|------|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|
| 减速比 Gear Ratio                    | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 12.5  | 15    | 18    | 25   | 30   | 36   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  | 200  |
| 输出轴转速 r/min<br>Output shaft speed | 833  | 694  | 500  | 416  | 333  | 277  | 200   | 167   | 139   | 100  | 83   | 69   | 50   | 42   | 33   | 28   | 25   | 21   | 17   | 14   | 12.5 |
| 允许力矩 N.m<br>Allowance Torque      | 3.09 | 3.71 | 5.16 | 6.17 | 7.74 | 9.28 | 11.62 | 13.94 | 16.73 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 | 20.0 |

■ 外形图 (单位mm) Dimensions(Unit mm)

减速器附有安装用螺丝Mounting screws are included with gearhead.

● 导线型 Lead Wiring Type

重量 Weight; 电动机 Motor; 2.5kg 减速机; Gearhead 2.1kg



| 电动机型号<br>Motor Model | 减速器型号<br>Gearhead Model | 减速比<br>Gear Ratio | 尺寸<br>Dimension |
|----------------------|-------------------------|-------------------|-----------------|
| Z6BLD400-□GU         | 6GU□KB                  | 3~200             | 72              |

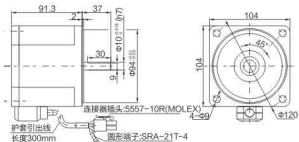
● 减速器型号的□中为减速比的数值

Enter the gear ratio in the box (□) within the model name

● 圆锥形的转轴部分 Shaft Section Off Round Shaft Type

除重量及轴部外形与蜗轮蜗轴相同。

Excluding weight and the shaft section motor shape are the same as those of the pinion shaft type.



● 键-键槽 (减速器附件)

Key - Keyway (The Key is Included With The Gearhead)



104系列  
104 SERIES

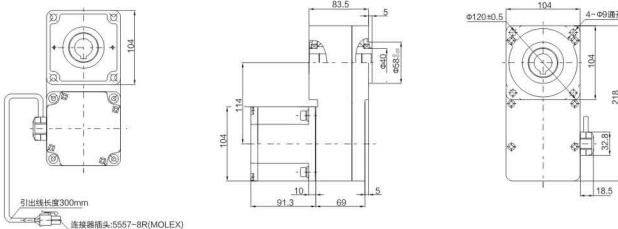
■ 104L型减速机 104 L Type Reducer

■ 外形图 (单位mm) Dimensions(Unit mm)

减速机附有安装用螺丝Mounting screws are included with gearhead.

● 导线型 Lead Wiring Type

重量 Weight; 电动机 Motor; 4.3kg 减速机; Gearhead; 2.1kg



● 键-键槽 (减速器附件)

Key - Keyway (The Key is Included With The Gearhead)



● 接线插孔对应信号说明 Write Plug hole Corresponding Signal Explanation

|           |   |     |    |     |
|-----------|---|-----|----|-----|
| plug hole | 1 | 2   | 3  | 4   |
| signal    | U | W   | H2 | Hu  |
| plug hole | 5 | 6   | 7  | 8   |
| signal    | V | GND | Hw | Vcc |

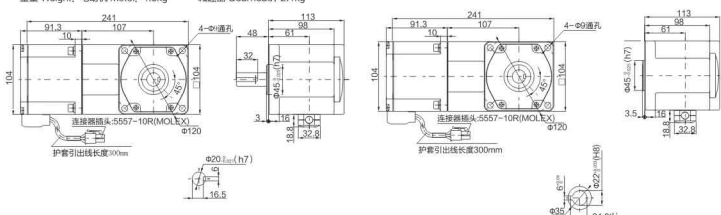
■ 104弧形减速机 104 Right Angle Reducer

■ 外形图 (单位mm) Dimensions(Unit mm)

减速机附有安装用螺丝Mounting screws are included with gearhead.

● 导线型 Lead Wiring Type

重量 Weight; 电动机 Motor; 4.3kg 减速机 Gearhead; 2.1kg



● 接线插孔对应信号说明 Write Plug hole Corresponding Signal Explanation

|           |   |     |    |     |
|-----------|---|-----|----|-----|
| plug hole | 1 | 2   | 3  | 4   |
| signal    | U | W   | Hz | Hu  |
| plug hole | 5 | 6   | 7  | 8   |
| signal    | V | GND | Hw | Vcc |

## 通用规格 COMMON SPECIFICATIONS

### ■ 电动机的容许悬挂负载·容许轴向负载 Permissible Overhung Load And Permissible Thrust Load Of Motor

容许悬挂负载 Permissible Overhung Load

| 电动机Motor                          |                                         | 容许悬挂负载<br>Permissible Overhung Load |      |
|-----------------------------------|-----------------------------------------|-------------------------------------|------|
| 安装尺寸<br>Motor Frame Size<br>□(mm) | 输出轴直径<br>Output Shaft Diameter<br>□(mm) | 距轴端的距离<br>Distance from Shaft End   |      |
|                                   |                                         | 10mm                                | 10mm |
| 42                                | 5                                       | 40                                  | —    |
| 60                                | 6                                       | 50                                  | 110  |
| 70                                | 6                                       | 40                                  | 60   |
| 80                                | 8                                       | 50                                  | 140  |
| 90                                | 10                                      | 110                                 | 120  |
| 100                               | 12                                      | 240                                 | 270  |
| 100                               | 14                                      | 320                                 | 350  |



容许轴向负载。

Permissible Thrust Load.

请尽量不要施加轴向负载。即使不得已的情况下，请将轴向负载控制在电动机重量的一半以下。  
Avoid thrust loads as much as possible. If thrust load is unavoidable, keep it to half or less of the motor mass.

### ■ 电动机的容许悬挂负载·容许轴向负载 Permissible Overhung Load And Permissible Thrust Load Of Motor

| 型号<br>Model | 减速比<br>Gear Ratio | 最大容许转矩<br>Maximum Permissible Torque<br>N·m | 容许悬挂负载<br>Permissible Overhung Load N |                                | 容许轴向<br>Permissible Thrust Load<br>N |
|-------------|-------------------|---------------------------------------------|---------------------------------------|--------------------------------|--------------------------------------|
|             |                   |                                             | 距轴端10mm<br>10mm from Shaft End        | 距轴端20mm<br>20mm from Shaft End |                                      |
| 0GN_2K      | 3-60              | 1.0                                         | 20                                    | —                              | 15                                   |
| 2GN_2K      | 3-18              | 3.0                                         | 50                                    | 80                             | 30                                   |
|             | 25-200            |                                             | 120                                   | 180                            |                                      |
| 3GN_2K      | 3-18              | 5.0                                         | 80                                    | 120                            | 40                                   |
|             | 25-200            |                                             | 150                                   | 250                            |                                      |
| 4GN_2K      | 3-18              | 8.0                                         | 100                                   | 150                            | 50                                   |
|             | 25-200            |                                             | 200                                   | 300                            |                                      |
| 5GN_2K      | 3-18              | 10                                          | 250                                   | 350                            | 100                                  |
|             | 25-200            |                                             | 300                                   | 450                            |                                      |
| 5GU_2K      | 3-9               | 20                                          | 400                                   | 500                            | 150                                  |
|             | 12.5-18           |                                             | 450                                   | 600                            |                                      |
| 5GU_2K      | 25-200            | 700                                         | 500                                   | 700                            | 150                                  |
|             | 3-200             |                                             | 1100                                  | 1500                           |                                      |

### ■ 减速器的容许负载惯性量J Permissible Load Inertia for Gearhead J

连接到减速器上的负载惯性量(J)较大的情况下，在频繁的间歇运转的启动瞬间(或以电磁制动及制动器进行急停时)会出现瞬时较大的转矩。该冲击负载过大导致减速器及电动机损坏。

When a high load inertia (J) is connected to a gearhead, high torque is exerted instantaneously on the gearhead when starting up in frequent, discontinuous operations (or when stopped by an electromagnetic brake, or when stopped instantaneously by a brake pack).

Excessive impact loads can cause the gearhead or motor damage.

下面列出了电动机轴上的容许负载惯性量的值，使用时请控制在此数值下。三相电动机的容许负载惯性量是指从一旦停止运转后再进行反转时的数值。

The table below gives values for permissible load inertia on the motor shaft. Use the motor and gearhead within these parameters. The permissible inertia load value shown for three-phase motors is the value when reversing after a stop.

请利用下面的公式计算减速器输出轴上的容许惯性量(J)。

The permissible load inertia (J) on the gearhead output shaft is calculated with the following equation.

通过带电磁制动电动机、制动器及速度控制电动机的瞬时停止来运转容许负载惯性量时的使用寿命为200万次。

The life of the gearhead when operating at the permissible inertia load with instantaneous stops of the motors with electromagnetic brakes, brake packs or speed control motors is at least 2 million cycles.

### ■ 减速器输出轴上的容许负载惯性量 Permissible Load Inertia For Gearhead Output Shaft

减速比1/3 ~ 1/50时 JG=JM×1

减速比1/60以上时 JG=JM×2.500

Gear ratio 1/3 ~ 1/50 JG=JM×1

Gear ratio 1/60 or high JG=JM×1

JG: 减速器输出轴容许负载惯性量J(×10 kg·m<sup>2</sup>)

JM: 减速器输出轴容许负载惯性量J(×10 kg·m<sup>2</sup>)

I: 减速比时: 减速比(1/3)~(1/3)

JG: Permissible load inertia gearhead output shaft J(×10 kg·m<sup>2</sup>)

JM: Permissible load inertia at the motor shaft J(×10 kg·m<sup>2</sup>)

I: Gear ratio (Example: 1/3 means the gear ratio of 1/3)

### ■ 电动机轴上的容许负载惯性量 Permissible Load Inertia At The Motor Shaft

| 电动机电源相数<br>No. of Phase | 安装尺寸<br>Motor Frame Size | 输出功率<br>Output Power | 电动机轴上的容许负载惯性量<br>Permissible Load Inertia at the Motor Shaft |                                      |
|-------------------------|--------------------------|----------------------|--------------------------------------------------------------|--------------------------------------|
|                         |                          |                      | J(×10 <sup>-4</sup> kg·m <sup>2</sup> )                      | GD <sup>2</sup> (kg·m <sup>2</sup> ) |
| 单相<br>Single-phase      | 42                       | 1W、3W                | 0.016                                                        | 0.07                                 |
|                         |                          | 3W※、6W               | 0.062                                                        | 0.25                                 |
|                         |                          | 6W※、15W              | 0.14                                                         | 0.52                                 |
|                         |                          | 10W※、25W             | 0.31                                                         | 1.2                                  |
|                         | 90                       | 20W※、40W             | 0.75                                                         | 3                                    |
|                         |                          | 60W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 90W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 120W                 | 1.1                                                          | 4.6                                  |
|                         | 100                      | 140W                 | 2                                                            | 8                                    |
|                         |                          | 180W                 | 2                                                            | 8                                    |
|                         |                          | 60                   | 0.062                                                        | 0.25                                 |
|                         |                          | 70                   | 0.14                                                         | 0.52                                 |
| 三相<br>Three-phase       | 80                       | 25W                  | 0.31                                                         | 1.2                                  |
|                         |                          | 40W                  | 0.75                                                         | 3                                    |
|                         |                          | 60W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 90W                  | 1.1                                                          | 4.6                                  |
|                         | 90                       | 120W                 | 1.1                                                          | 4.6                                  |
|                         |                          | 120W                 | 2                                                            | 8                                    |
|                         |                          | 140W                 | 2                                                            | 8                                    |
|                         |                          | 180W                 | 2                                                            | 8                                    |
|                         | 100                      | 6W                   | 0.062                                                        | 0.25                                 |
|                         |                          | 15W                  | 0.14                                                         | 0.52                                 |
|                         |                          | 25W                  | 0.31                                                         | 1.2                                  |
|                         |                          | 40W                  | 0.75                                                         | 3                                    |
| 直流<br>DC Power          | 90                       | 80W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 90W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 120W                 | 1.1                                                          | 4.6                                  |
|                         |                          | 250W                 | 2                                                            | 8                                    |
|                         | 90                       | 6W                   | 0.062                                                        | 0.25                                 |
|                         |                          | 15W                  | 0.14                                                         | 0.52                                 |
|                         |                          | 25W、40W              | 0.31                                                         | 1.2                                  |
|                         |                          | 40W                  | 0.75                                                         | 3                                    |
|                         | 90                       | 60W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 90W                  | 1.1                                                          | 4.6                                  |
|                         |                          | 120W                 | 1.1                                                          | 4.6                                  |
|                         |                          | 250W                 | 2                                                            | 8                                    |

※是指转矩电动机的输出功率

※Output power for torque motors

### ■ 减速器容许转矩的计算 The Calculation For The Permissible Torque Of Gearhead

部分机型并未列在容许转矩表上，需要时可按下公式计算。

Permissible torque for some products are omitted. In that case, use the equation below to calculate the permissible torque.

容许转矩 Permissible Torque TG=TM×η

TG: 减速器容许转矩 Permissible Torque of Gearhead

I: 减速器减速比 Gear Ratio Gearhead

TM: 电动机转矩 Motor Torque

η: 减速器传动效率 Gearhead Efficiency

### ■ 减速器传动效率 Gearhead Efficiency

| 型号Model   | 减速比Gear Ratio |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
|-----------|---------------|-----|---|---|-----|---|------|----|----|----|----|----|----|----|----|----|-----|-----|-----|-----|
|           | 3             | 3.6 | 5 | 6 | 7.5 | 9 | 12.5 | 15 | 18 | 25 | 30 | 36 | 50 | 60 | 75 | 90 | 100 | 120 | 150 | 180 |
| 0GN_2K    | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
| 2GN_2K    | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
| 3GN_2K    | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
| 4GN_2K    | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
| 5GN_2K    | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
| 5GU_2K(K) | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |
| 5GU_2K    | 81%           |     |   |   |     |   |      |    |    |    |    |    |    |    |    |    |     |     |     |     |

## 选购配件 ACCESSORIES

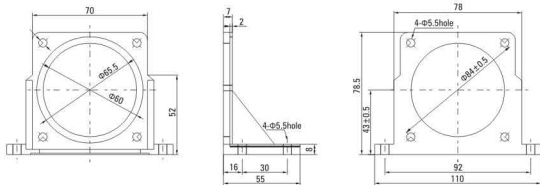
### ■ 电动机·减速器用安装底座 Motor / Gearhead Mounin Brackets

便于安装固定电动机、减速器的专用安装底座。为可对应大功率电动机、减速器的高强度产品。安装底座上已有螺孔，请用减速器附带的螺丝来组合电动机与减速器。安装电动机单休时，请用另安装用螺丝。Mounting Brackets for attaching and securing a motor and gearhead. They are high-strength type, which can be used with high power motors / gearheads. These brackets come with tapped holes. To mount the motor and gearhead, simply fasten with screws provided to the gearhead. To mount the motor alone, mounting screws must be provided separately.



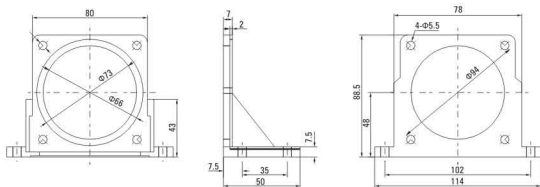
### ■ 安装尺寸70mm用 Motor Frame Size:70mm

型号Model: ZD3MS 重量Weight: 160g 材质Material: 铝合金Aluminum  
适用产品Applicable Products:30G减速器30G Gearhead  
安装尺寸□70mm电动机Motor with the frame size of□70mm



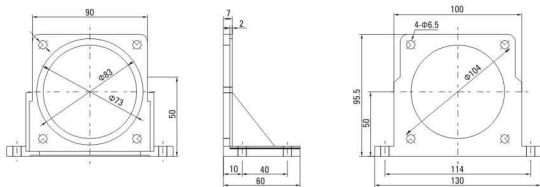
### ■ 安装尺寸80mm用 Motor Frame Size:80mm

型号Model: ZD4MS 重量Weight: 200g 材质Material: 铝合金Aluminum  
适用产品Applicable Products:40G减速器40G Gearhead  
安装尺寸□80mm电动机Motor with the frame size of□80mm



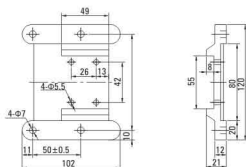
### ■ 安装尺寸90mm用 Motor Frame Size:90mm

型号Model: ZD5MS 重量Weight: 270g 材质Material: 铝合金Aluminum  
适用产品Applicable Products:50G、50GU减速器50G、50GU Gearhead  
安装尺寸□90mm电动机Motor with the frame size of□90mm



### ■ 安装尺寸80、90、104mm用 Motor Frame Size:80、90、104mm

型号Model: ZD6MS 重量Weight: 260g 材质Material: 铝合金Aluminum  
适用产品Applicable Products:40G减速器40G Gearhead  
安装尺寸□80、90、104mm电动机Motor with the frame size of□80、90、104mm



### ■ 电动机用端子箱 Terminal Box For Motor

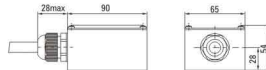
根据客户的需求，可选择以下类型的端子箱。  
You can select from following types of terminal boxes according to customer's request.

型号Model: ZDTX  
重量Weight: 90g 材质Material: 铝合金Aluminum  
适用产品Applicable Products:40G减速器40G Gearhead  
安装尺寸□80、90、104mm电动机  
Motor with the frame size of□80、90、104mm



■ 适用电缆直径为Use cable with a diameter of  $\Phi 4-8\Phi$ mm

型号Model: ZDTX  
重量Weight: 290g 材质Material: 铝合金Aluminum  
适用产品Applicable Products:40G减速器40G Gearhead  
安装尺寸□80、90、104mm电动机  
Motor with the frame size of□80、90、104mm



■ 适用电缆直径为Use cable with a diameter of  $\Phi 4-8\Phi$ mm