



AC系列交流减速电机

**GELUFU**

**格鲁夫机械设备制造有限公司**

Gelufu Machinery Equipment Manufacturing Co. Ltd

## 电机型号说明 Description of Motor Model

| 5                         | I                              | K                    | 90                   | GU                                        | — | C                                 | F                                       |
|---------------------------|--------------------------------|----------------------|----------------------|-------------------------------------------|---|-----------------------------------|-----------------------------------------|
| 型号尺寸<br>Model & Dimension | 电机种类<br>Motor Type             | 电机系列<br>Motor Series | 输出功率<br>Output Power | 电机轴形状<br>Shape of Motor Shaft             |   | 电压极数<br>Supply & poles            | 其他附件<br>Other Accessory                 |
| 2: 60mm                   | I: 感应电机<br>I: Induction Motor  | K 系列<br>K Series     | 6: 6W                | A: 铣扁<br>A: Flat type                     |   | A: 单相 Single Phase 100~120V50Hz4P | F: 附风扇<br>F: W/ Fan                     |
| 3: 70mm                   |                                |                      | 15: 15W              |                                           |   | B: 单相 Single Phase 100~120V50Hz2P |                                         |
| 4: 80mm                   | R: 可逆电机<br>R: Reversible Motor |                      | 25: 25W              | A1: 铣键槽<br>A1: Milling Keyway             |   | C: 单相 Single Phase 220~230V50Hz4P | FF: 附强制风扇<br>FF: W/ Forced Fan          |
| 5: 90mm                   | T: 力矩电机<br>T: Torque Motor     |                      | 40: 40W              | GN: 普通型斜齿轴<br>GN: General Helical Gear    |   | D: 单相 Single Phase 220~230V50Hz2P |                                         |
| 6: 100mm                  |                                |                      | 60: 60W              | GU: 加强型斜齿轴<br>GU: Reinforced Helical Gear |   | E: 单相 Single Phase 100~120V60Hz4P | M: 附电磁刹车<br>M: W/ Electromagnetic Brake |
|                           |                                |                      | 90: 90W              |                                           |   | H: 单相 Single Phase 200~230V60Hz4P | P: 附热保护器<br>P: W/ Overheat protector    |
|                           |                                |                      | 120: 120W            |                                           |   | S: 三相 Three Phase 220~240V50Hz4P  | T: 附端子箱<br>T: W/ Terminal Box           |
|                           |                                |                      | 140: 140W            |                                           |   | S3: 三相 Three Phase 380~415V50Hz4P |                                         |
|                           |                                |                      | 180: 180W            |                                           |   |                                   |                                         |
|                           |                                |                      | 200: 200W            |                                           |   |                                   |                                         |

●注：输出功率后加字母“R”表示调速电机。

●Note: The suffix "-R" after the output power means speed Adjustable Motor.

## 减速器型号说明 Description of Reducer Model

| 5                         | GU                                                 | 50                       | K                            |
|---------------------------|----------------------------------------------------|--------------------------|------------------------------|
| 型号尺寸<br>Model & Dimension | 齿轮种类<br>Gear Type                                  | 减速比<br>Reduction Ratio   | 轴承种类<br>Bearing Type         |
| 2: 60mm                   | GN: 普通型斜齿轴<br>GN: General Helical Gear             | 50: 减速比为1:50             | K: 滚珠轴承<br>K: Ball Bearing   |
| 3: 70mm                   |                                                    | 50: Reduction Ratio 1:50 | B: 含油轴承<br>B: Grease Bearing |
| 4: 80mm                   | GU: 加强型斜齿轴<br>GU: Reinforced Helical Gear          |                          |                              |
| 5: 90mm                   | GS: 加强型带耳朵<br>GS: Reinforced Helical Gear with ear |                          |                              |
| 6: 100mm                  |                                                    |                          |                              |

●注：非标准型分体式的编号为：在电机型号或减速器型号前加“V”(请在定货时写明具体参数要求)。

●Note: The code of the non-standard split type is to add "V" before the model number of the motor or reducer (Please specify the detailed parameter requirement in the purchase order).

## 感应电机的一般规格 General specification of Induction motor

| 项目 Items                      | 内容 contents                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 绝缘电阻<br>Insulation resistance | 在常温、常湿度下，运转电机后，以DC 500V的绝缘电阻来测量电机的金属线圈和电机外壳之间的绝缘电阻时，不超过100兆欧。<br>In the circumstance of normal temperature and humidity, the resistance can be up to 100MΩ, measured by DC 500V Insulation resistance measurer between the motor wiring and motor shell while the motor is working. |
| 绝缘电压<br>Insulation voltage    | 在常温、常湿度下，运转电机后，在电机的金属线圈和电机之间，以1500V 50/60Hz输于1分钟时没有任何问题。<br>In the circumstance of normal temperature and humidity, there will be no problem supplying the power of 1500V 50/60Hz between the metal wiring and motor shell in 1minute while the motor is working.                   |
| 温度上升<br>Temperature rise      | 运转电机后，用电阻法来测量时，线圈绕组温度的上升数值在80℃以下。(带风扇的绕组温度的上升数值在60℃以下)<br>The temperature rise of wiring should be lower than 80 °C measured by resistance method when the motor is working.<br>(the temperature of wiring with fan should be lower than 60°C)                                      |
| 绝缘等级<br>Insulation class      | B级(130 °C)<br>Class B (130 °C)                                                                                                                                                                                                                                                      |
| 使用温度<br>Using temperature     | -10℃~+40℃ (三相: -10℃~+50℃)(无冰冻)<br>-10 °C~+40 °C (Three phase -10 °C~+50 °C)(No freeze)                                                                                                                                                                                              |
| 使用湿度<br>Using humidity        | 85%以下(没有结露的场所)<br>≤85% (Place without dew)                                                                                                                                                                                                                                          |

## 齿轮箱允许力矩表说明 Description of Allowable Torque on Gearbox

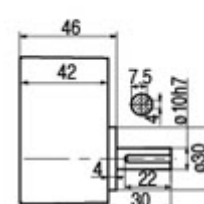
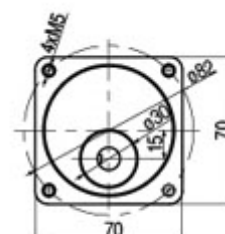
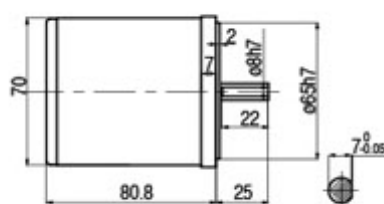
●减速器润滑方式为全封闭沉浸式润滑，油脂不易干涸；●齿轮箱型式□，表示减速比；●减速器选用先进可靠的“一体式”减速器，轴承室与减速壳体为一体，采用全滚珠轴承；●测试数据条件为同步转速下；

●表格中的■(灰底部分)表示旋转方向与电机转向一致，其它则与电机转向相反；●输出轴转速不含电机转差率。根据负载大小不同，转速要比上述数值低2~20%。

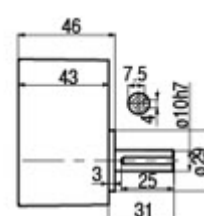
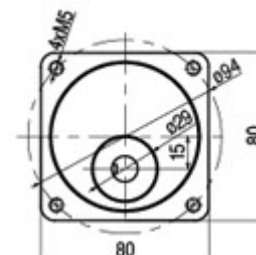
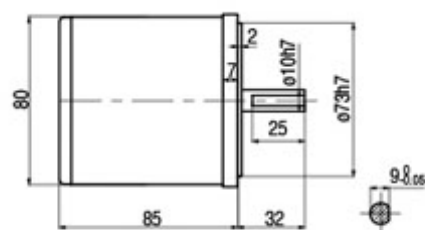
●The speed reducer is fully closed and immersion lubricated so that grease is not easy to dry. ●□In the type of gearbox indicates reduction ratio. ●A reliable state-of-the-art "Integrated" speed reducer is used, which integrates bearing case and reducer case into one and full ball bearings are used. ●The gray color of the form indicates the same rotating direction of the motor while the rotating direction of others is opposite. ●The conditions of the testing data is under synchronous speed.

●The output shaft speed excludes the motor speed slip. The actual speed will be 2-20% lower than the above value depending upon the load.

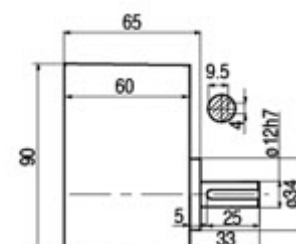
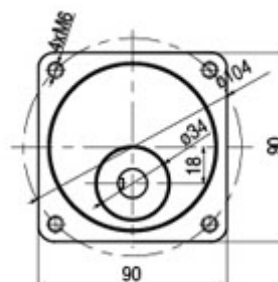
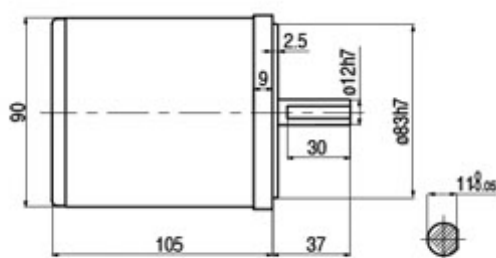
15W



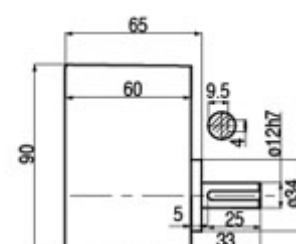
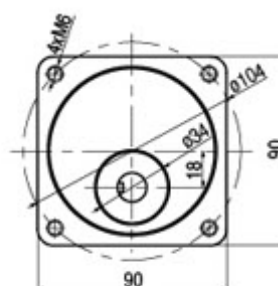
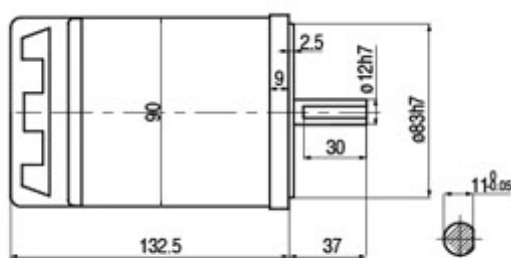
25W



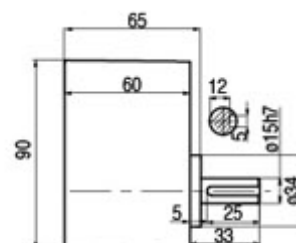
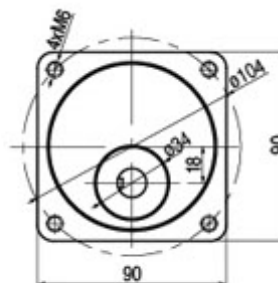
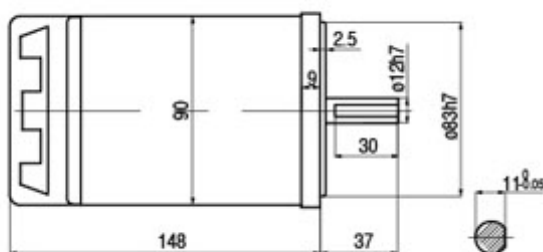
40W



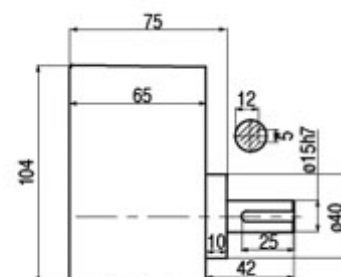
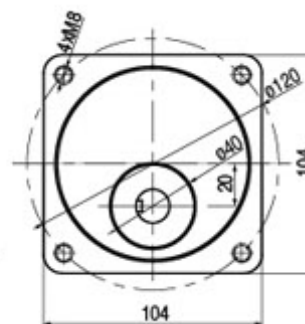
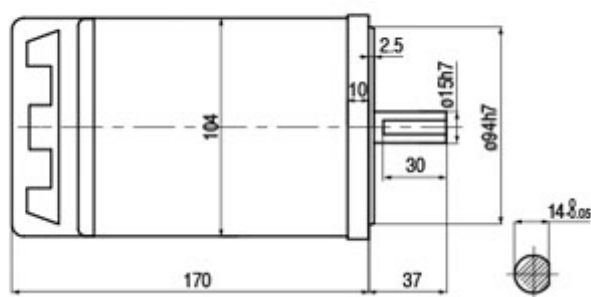
60W



90W-120W



120W-200W



电机特性表 List of Motor Characteristics

| 型号/类型<br>Model / Type     |                           | 额定功率<br>Rated Power | 电压<br>Voltage | 频率<br>Frequency | 极数<br>Poles | 额定转速<br>Rated Speed | 启动转矩<br>Rated Torque | 额定转矩<br>Rated Current | 额定电流<br>Starting Torque | 电容<br>Capacitor |
|---------------------------|---------------------------|---------------------|---------------|-----------------|-------------|---------------------|----------------------|-----------------------|-------------------------|-----------------|
| 光轴<br>Round shaft         | 齿轴<br>Pinion shaft        | W                   | V             | Hz              | P           | RPM                 | MN·M                 | MN·M                  | A                       | μf/450V         |
| 3IK15A-A                  | 3IK15GN-A                 | 15                  | 1ph110        | 50/60           | 4           | 1300                | 0.09                 | 0.11                  | 0.30                    | 6.0             |
| 3IK15A-C                  | 3IK15GN-C                 | 15                  | 1ph220        | 50/60           | 4           | 1300                | 0.10                 | 0.11                  | 0.14                    | 1.5             |
| 3IK15A-S                  | 3IK15GN-S                 | 15                  | 3ph220        | 50/60           | 4           | 1300                | 0.12                 | 0.13                  | 0.16                    | /               |
| 4IK25A-A                  | 4IK25GN-A                 | 25                  | 1ph110        | 50/60           | 4           | 1350                | 0.18                 | 0.18                  | 0.39                    | 6.0             |
| 4IK25A-C                  | 4IK25GN-C                 | 25                  | 1ph220        | 50/60           | 4           | 1350                | 0.18                 | 0.18                  | 0.22                    | 2.0             |
| 4IK25A-S                  | 4IK25GN-S                 | 25                  | 3ph220        | 50/60           | 4           | 1300                | 0.19                 | 0.19                  | 0.25                    | /               |
| 4IK25A-S <sub>3</sub>     | 4IK25GN-S <sub>3</sub>    | 25                  | 3ph380        | 50/60           | 4           | 1300                | 0.19                 | 0.19                  | 0.14                    | /               |
| 5IK40A1-A                 | 5IK40GN-A                 | 40                  | 1ph110        | 50/60           | 4           | 1350                | 0.25                 | 0.29                  | 0.64                    | 10.0            |
| 5IK40A1-C                 | 5IK40GN-C                 | 40                  | 1ph220        | 50/60           | 4           | 1350                | 0.28                 | 0.29                  | 0.29                    | 2.5             |
| 5IK40A1-S                 | 5IK40GN-S                 | 40                  | 3ph220        | 50/60           | 4           | 1300                | 1.15                 | 0.29                  | 0.38                    | /               |
| 5IK40A1-S <sub>3</sub>    | 5IK40GN-S <sub>3</sub>    | 40                  | 3ph380        | 50/60           | 4           | 1300                | 1.15                 | 0.29                  | 0.22                    | /               |
| 5IK60A1-AF                | 5IK60GN-AF                | 60                  | 1ph110        | 50/60           | 4           | 1350                | 0.38                 | 0.44                  | 0.98                    | 12.0            |
| 5IK60A1-CF                | 5IK60GN-CF                | 60                  | 1ph220        | 50/60           | 4           | 1350                | 0.40                 | 0.44                  | 0.43                    | 3.5             |
| 5IK60A1-SF                | 5IK60GN-SF                | 60                  | 3ph220        | 50/60           | 4           | 1350                | 1.70                 | 0.46                  | 0.49                    | /               |
| 5IK60A1-S <sub>3</sub> F  | 5IK60GN-S <sub>3</sub> F  | 60                  | 3ph380        | 50/60           | 4           | 1350                | 1.70                 | 0.46                  | 0.28                    | /               |
| 5IK90A1-AF                | 5IK90GU-AF                | 90                  | 1ph110        | 50/60           | 4           | 1350                | 0.50                 | 0.64                  | 1.40                    | 18.0            |
| 5IK90A1-CF                | 5IK90GU-CF                | 90                  | 1ph220        | 50/60           | 4           | 1350                | 0.48                 | 0.64                  | 0.59                    | 5.0             |
| 5IK90A1-SF                | 5IK90GU-SF                | 90                  | 3ph220        | 50/60           | 4           | 1300                | 2.40                 | 0.66                  | 0.66                    | /               |
| 5IK90A1-S <sub>3</sub> F  | 5IK90GU-S <sub>3</sub> F  | 90                  | 3ph380        | 50/60           | 4           | 1300                | 2.40                 | 0.66                  | 0.28                    | /               |
| 5IK120A1-AF               | 5IK120GU-AF               | 120                 | 1ph110        | 50/60           | 4           | 1250                | 0.65                 | 0.9                   | 1.80                    | 18.0            |
| 5IK120A1-CF               | 5IK120GU-CF               | 120                 | 1ph220        | 50/60           | 4           | 1300                | 0.75                 | 0.87                  | 0.82                    | 6.5             |
| 5IK120A1-SF               | 5IK120GU-SF               | 120                 | 3ph220        | 50/60           | 4           | 1300                | 3.20                 | 0.87                  | 0.83                    | /               |
| 5IK120A1-S <sub>3</sub> F | 5IK120GU-S <sub>3</sub> F | 120                 | 3ph380        | 50/60           | 4           | 1300                | 3.20                 | 0.87                  | 0.40                    | /               |
| 5IK180A1-AF               | 5IK180GU-AF               | 180                 | 1ph110        | 50/60           | 4           | 1250                | 0.97                 | 1.27                  | 2.40                    | 30.0            |
| 5IK180A1-CF               | 5IK180GU-CF               | 180                 | 1ph220        | 50/60           | 4           | 1300                | 1.12                 | 1.23                  | 1.21                    | 12.0            |
| 5IK180A1-SF               | 5IK180GU-SF               | 180                 | 3ph220        | 50/60           | 4           | 1300                | 4.50                 | 1.23                  | 0.83                    | /               |
| 5IK180A1-S <sub>3</sub> F | 5IK180GU-S <sub>3</sub> F | 180                 | 3ph380        | 50/60           | 4           | 1300                | 4.50                 | 1.23                  | 0.59                    | /               |
| 6IK120A1-AF               | 6IK120GU-AF               | 120                 | 1ph110        | 50/60           | 4           | 1350                | 0.59                 | 0.85                  | 1.90                    | 30.0            |
| 6IK120A1-CF               | 6IK120GU-CF               | 120                 | 1ph220        | 50/60           | 4           | 1350                | 0.75                 | 0.85                  | 0.86                    | 8.0             |
| 6IK120A1-SF               | 6IK120GU-SF               | 120                 | 3ph220        | 50/60           | 4           | 1350                | 3.50                 | 0.85                  | 0.89                    | /               |
| 6IK120A1-S <sub>3</sub> F | 6IK120GU-S <sub>3</sub> F | 120                 | 3ph380        | 50/60           | 4           | 1350                | 3.50                 | 0.85                  | 0.51                    | /               |
| 6IK140A1-AF               | 6IK140GU-AF               | 140                 | 1ph110        | 50/60           | 4           | 1350                | 0.90                 | 0.99                  | 2.00                    | 30.0            |
| 6IK140A1-CF               | 6IK140GU-CF               | 140                 | 1ph220        | 50/60           | 4           | 1350                | 0.90                 | 0.99                  | 0.91                    | 8.0             |
| 6IK140A1-SF               | 6IK140GU-SF               | 140                 | 3ph220        | 50/60           | 4           | 1350                | 3.50                 | 0.99                  | 0.95                    | /               |
| 6IK140A1-S <sub>3</sub> F | 6IK140GU-S <sub>3</sub> F | 140                 | 3ph380        | 50/60           | 4           | 1350                | 3.50                 | 0.99                  | 0.55                    | /               |
| 6IK180A1-AF               | 6IK180GU-AF               | 180                 | 1ph110        | 50/60           | 4           | 1350                | 1.20                 | 1.25                  | 2.30                    | 30.0            |
| 6IK180A1-CF               | 6IK180GU-CF               | 180                 | 1ph220        | 50/60           | 4           | 1350                | 1.20                 | 1.25                  | 1.17                    | 10.0            |
| 6IK180A1-SF               | 6IK180GU-SF               | 180                 | 3ph220        | 50/60           | 4           | 1350                | 4.60                 | 1.25                  | 0.95                    | /               |
| 6IK180A1-S <sub>3</sub> F | 6IK180GU-S <sub>3</sub> F | 180                 | 3ph380        | 50/60           | 4           | 1350                | 4.60                 | 1.25                  | 0.55                    | /               |
| 6IK200A1-AF               | 6IK200GU-AF               | 200                 | 1ph110        | 50/60           | 4           | 1350                | 1.30                 | 1.32                  | 2.50                    | 30.0            |
| 6IK200A1-CF               | 6IK200GU-CF               | 200                 | 1ph220        | 50/60           | 4           | 1350                | 1.30                 | 1.32                  | 1.23                    | 10.0            |
| 6IK200A1-SF               | 6IK200GU-SF               | 200                 | 3ph220        | 50/60           | 4           | 1350                | 4.60                 | 1.32                  | 0.95                    | /               |
| 6IK200A1-S <sub>3</sub> F | 6IK200GU-S <sub>3</sub> F | 200                 | 3ph380        | 50/60           | 4           | 1350                | 4.60                 | 1.32                  | 0.55                    | /               |

●使用电压不同，电容容量也不相同。故应与使用电压相对应，正确使用。●不能正确使用是造成故障的主要原因。订货时，在确认使用电压后，选择正确的型号进行订货。

●The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. ●Wrong capacitor capacitance is the cause of trouble. You must confirm a correct voltage and select a correct model when your purchase order is placed.

装有减速机时的容许转矩 allowable torque with gearbox

50Hz电机 单位: kgf.cm/N.m

| 转速Output Shaft Speed | 500   | 417   | 300   | 250   | 200   | 166   | 150   | 120   | 100   | 83    | 75    | 60    | 50    | 41    | 37    | 30    | 25    | 20    | 16    | 15    | 12    | 10    | 8     | 7.5   |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3IK15GN-□ 3GN□K      | 3.2   | 3.9   | 5.4   | 6.5   | 8.1   | 9.7   | 10.8  | 13.5  | 16.2  | 19.4  | 19.4  | 24.2  | 29.1  | 34.9  | 38.8  | 43.6  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
|                      | 0.314 | 0.382 | 0.530 | 0.637 | 0.794 | 0.951 | 1.059 | 1.324 | 1.587 | 1.902 | 1.902 | 2.373 | 2.854 | 3.423 | 3.805 | 4.276 | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  |
| 4IK25GN-□ 4GN□K      | 5.3   | 6.4   | 8.9   | 10.7  | 13.4  | 16.0  | 17.8  | 22.3  | 26.7  | 32.1  | 32.1  | 40.2  | 48.2  | 57.8  | 64.2  | 72.6  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.519 | 0.627 | 0.872 | 1.049 | 1.313 | 1.568 | 1.744 | 2.185 | 2.617 | 3.146 | 3.146 | 3.940 | 4.724 | 5.664 | 6.292 | 7.115 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5IK40GN-□ 5GN□K      | 8.3   | 9.9   | 13.8  | 16.5  | 20.7  | 24.8  | 27.5  | 34.4  | 41.3  | 49.6  | 62.1  | 74.5  | 89.4  | 99.3  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.813 | 0.970 | 1.352 | 1.617 | 2.029 | 2.430 | 2.695 | 3.371 | 4.047 | 4.861 | 4.861 | 6.086 | 7.301 | 8.761 | 9.731 | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  |
| 5IK60GN-□ 5GN□K      | 12.2  | 14.6  | 20.3  | 24.3  | 30.4  | 36.5  | 40.5  | 45.6  | 54.8  | 65.7  | 73.0  | 82.5  | 99.0  | 119.0 | 132.0 | 165.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.196 | 1.431 | 1.989 | 2.381 | 2.989 | 3.577 | 3.969 | 4.469 | 5.370 | 6.439 | 7.154 | 8.085 | 9.702 | 11.66 | 12.94 | 16.17 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK90GU-□ 5GU□K      | 18.2  | 21.9  | 30.4  | 36.5  | 45.6  | 54.7  | 60.8  | 68.4  | 82.1  | 98.6  | 110.0 | 124.0 | 149.0 | 178.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.784 | 2.145 | 2.979 | 3.577 | 4.469 | 5.361 | 5.958 | 6.703 | 8.046 | 9.663 | 10.78 | 12.15 | 14.60 | 17.44 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK120GU-□ 5GU□K     | 23.2  | 27.8  | 38.7  | 46.4  | 58.0  | 69.6  | 77.4  | 87.0  | 104.0 | 125.0 | 139.0 | 156.0 | 188.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 2.276 | 2.731 | 3.793 | 4.552 | 5.689 | 6.827 | 7.586 | 8.534 | 10.24 | 12.29 | 13.65 | 15.36 | 18.43 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5IK180GU-□ 5GU□K     | 34.0  | 41.0  | 57.0  | 68.0  | 85.1  | 102.0 | 113.0 | 128.0 | 153.0 | 184.0 | 204.0 | 230.0 | 278.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 3.336 | 4.021 | 5.590 | 6.672 | 8.341 | 10.01 | 11.12 | 12.55 | 15.01 | 18.04 | 20.02 | 22.56 | 27.26 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6IK120GU-□ 6GU□K     | 21.0  | 25.3  | 35.1  | 42.1  | 52.6  | 63.2  | 63.2  | 79.1  | 94.9  | 114.0 | 114.0 | 143.0 | 171.0 | 206.0 | 228.0 | 286.0 | 343.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.06  | 2.48  | 3.44  | 4.13  | 5.16  | 6.19  | 6.19  | 7.75  | 9.30  | 11.20 | 11.20 | 14.00 | 16.80 | 20.00 | 22.40 | 28.00 | 33.60 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK140GU-□ 6GU□K     | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK180GU-□ 6GU□K     | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK200GU-□ 6GU□K     | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

60Hz电机 单位: kgf.cm/N.m

| 转速Output Shaft Speed | 600   | 500   | 360   | 300   | 240   | 200   | 180   | 144   | 120   | 100   | 90    | 72    | 60    | 50    | 45    | 36    | 30    | 24    | 20    | 18    | 15    | 12    | 10    | 9     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3IK15GN-□ 3GN□K      | 3.0   | 3.6   | 5.1   | 6.1   | 7.6   | 9.1   | 10.1  | 12.7  | 15.2  | 18.2  | 18.2  | 22.8  | 27.3  | 32.8  | 36.5  | 41.0  | 49.2  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
|                      | 0.294 | 0.353 | 0.500 | 0.598 | 0.745 | 0.892 | 0.990 | 1.245 | 1.491 | 1.785 | 1.785 | 2.236 | 2.677 | 3.217 | 3.579 | 4.021 | 4.825 | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  |
| 4IK25GN-□ 4GN□K      | 4.4   | 5.2   | 7.3   | 8.7   | 10.9  | 13.1  | 14.6  | 18.2  | 21.9  | 26.2  | 26.2  | 32.9  | 39.4  | 47.3  | 52.6  | 59.4  | 71.3  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.431 | 0.510 | 0.715 | 0.853 | 1.068 | 1.284 | 1.431 | 1.784 | 2.146 | 2.568 | 2.577 | 3.224 | 3.861 | 4.635 | 5.155 | 5.821 | 6.987 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5IK40GN-□ 5GN□K      | 6.8   | 8.2   | 11.3  | 13.6  | 17.0  | 20.4  | 22.7  | 28.4  | 34.0  | 40.8  | 40.9  | 51.1  | 61.3  | 73.6  | 81.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.666 | 0.804 | 1.107 | 1.333 | 1.666 | 1.999 | 2.225 | 2.783 | 3.332 | 3.998 | 4.008 | 5.008 | 6.007 | 7.213 | 8.016 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 |
| 5IK60GN-□ 5GN□K      | 9.7   | 11.7  | 16.2  | 19.4  | 24.3  | 29.2  | 32.4  | 36.5  | 43.8  | 52.6  | 58.4  | 66.0  | 79.2  | 95.0  | 106.0 | 132.0 | 158.0 | 177.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 0.953 | 1.147 | 1.588 | 1.901 | 2.381 | 2.862 | 3.175 | 3.577 | 4.292 | 5.155 | 5.726 | 6.648 | 7.762 | 9.31  | 10.39 | 12.94 | 15.48 | 17.35 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK90GU-□ 5GU□K      | 14.6  | 17.5  | 24.3  | 29.2  | 36.5  | 43.7  | 48.6  | 54.8  | 65.7  | 78.8  | 87.6  | 99.0  | 119.0 | 143.0 | 158.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.431 | 1.715 | 2.381 | 2.862 | 3.577 | 4.675 | 4.763 | 5.370 | 6.439 | 7.722 | 8.585 | 9.702 | 11.66 | 14.01 | 15.48 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK120GU-□ 5GU□K     | 18.7  | 22.5  | 31.2  | 37.4  | 46.8  | 56.1  | 62.4  | 70.2  | 84.2  | 101.0 | 112.0 | 126.0 | 152.0 | 182.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.835 | 2.202 | 3.058 | 3.670 | 4.587 | 5.505 | 6.116 | 6.881 | 8.257 | 9.909 | 11.01 | 12.39 | 14.86 | 17.84 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5IK180GU-□ 5GU□K     | 28.1  | 34.0  | 47.0  | 57.0  | 71.0  | 84.2  | 94.0  | 105.0 | 126.0 | 152.0 | 168.0 | 189.0 | 227.0 | 273.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 2.756 | 3.334 | 4.609 | 5.590 | 6.963 | 8.257 | 9.218 | 10.30 | 12.39 | 14.91 | 16.51 | 18.58 | 22.29 | 26.75 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6IK120GU-□ 6GU□K     | 17.8  | 21.3  | 29.6  | 35.5  | 44.4  | 53.3  | 53.3  | 69.7  | 80.0  | 96.1  | 96.1  | 121.0 | 146.0 | 174.0 | 193.0 | 241.0 | 289.0 | 362.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 1.74  | 2.09  | 2.90  | 3.48  | 4.35  | 5.22  | 5.22  | 6.54  | 7.85  | 9.42  | 9.42  | 11.80 | 14.20 | 17.00 | 18.90 | 23.60 | 28.40 | 35.50 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK140GU-□ 6GU□K     | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK180GU-□ 6GU□K     | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK200GU-□ 6GU□K     | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

感应电机 · 2极 · 高速型电机特性表 Induction Motors 2-Poles · High Speed List of Motor Characteristics

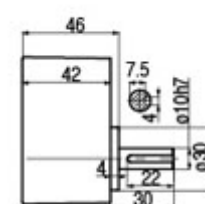
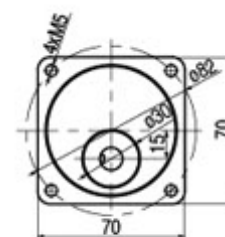
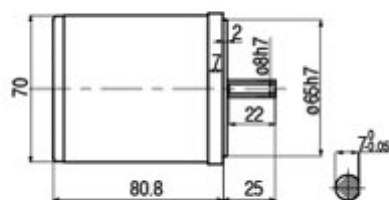
| 型号/类型<br>Model / Type |                    | 额定功率<br>Rated Power | 电压<br>Voltage | 频率<br>Frequency | 极数<br>Poles | 额定转速<br>Rated Speed | 启动转矩<br>Rated Torque | 额定转矩<br>Rated Current | 额定电流<br>Starting Torque | 电容<br>Capacitor |
|-----------------------|--------------------|---------------------|---------------|-----------------|-------------|---------------------|----------------------|-----------------------|-------------------------|-----------------|
| 光轴<br>Round shaft     | 齿轴<br>Pinion shaft | W                   | V             | Hz              | P           | RPM                 | MN·M                 | MN·M                  | A                       | μf/450V         |
| 3IK15A-B              | 3IK15GN-B          | 15                  | 1ph110        | 50/60           | 2           | 2800                | 0.07                 | 0.05                  | 0.36                    | 6               |
| 3IK15A-D              | 3IK15GN-D          | 15                  | 1ph220        | 50/60           | 2           | 3100                | 0.08                 | 0.06                  | 0.17                    | 1.5             |
| 4IK25A-B              | 4IK25GN-B          | 25                  | 1ph110        | 50/60           | 2           | 2800                | 0.09                 | 0.09                  | 0.65                    | 10              |
| 4IK25A-D              | 4IK25GN-D          | 25                  | 1ph220        | 50/60           | 2           | 3100                | 0.09                 | 0.09                  | 0.27                    | 2.5             |
| 5IK40A1-B             | 5IK40GN-B          | 40                  | 1ph110        | 50/60           | 2           | 2800                | 0.12                 | 0.14                  | 0.8                     | 12              |
| 5IK40A1-D             | 5IK40GN-D          | 40                  | 1ph220        | 50/60           | 2           | 3200                | 0.13                 | 0.15                  | 0.34                    | 3               |
| 5IK60A1-BF            | 5IK60GN-BF         | 60                  | 1ph110        | 50/60           | 2           | 2800                | 0.17                 | 0.21                  | 1.05                    | 15              |
| 5IK60A1-DF            | 5IK60GN-D          | 60                  | 1ph220        | 50/60           | 2           | 3200                | 0.25                 | 0.21                  | 0.56                    | 3.5             |
| 5IK90A1-BF            | 5IK90GU-BF         | 90                  | 1ph110        | 50/60           | 2           | 2800                | 0.28                 | 0.34                  | 1.44                    | 25              |
| 5IK90A1-DF            | 5IK90GU-DF         | 90                  | 1ph220        | 50/60           | 2           | 3200                | 0.34                 | 0.3                   | 0.79                    | 6               |
| 5IK120A1-BF           | 5IK120GU-BF        | 120                 | 1ph110        | 50/60           | 2           | 2800                | 0.33                 | 0.45                  | 2.25                    | 30              |
| 5IK120A1-DF           | 5IK120GU-DF        | 120                 | 1ph220        | 50/60           | 2           | 3200                | 0.51                 | 0.4                   | 1.2                     | 8               |

●使用电压不同，电容容量也不相同。故应与使用电压相对应，正确使用。●不能正确使用是造成故障的主要原因。订货时，在确认使用电压后，选择正确的型号进行订货。  
 ●The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. ●Wrong capacitor capacitance is the cause of trouble.  
 You must confirm a correct voltage and select a correct model when your purchase order is placed.

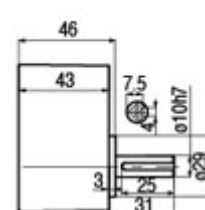
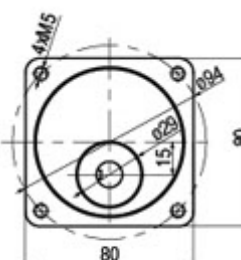
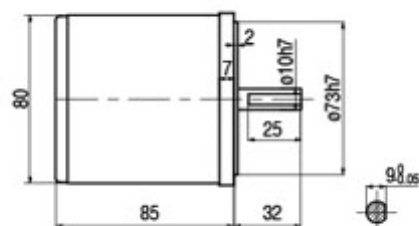


## 外形尺寸 Overall Dimension

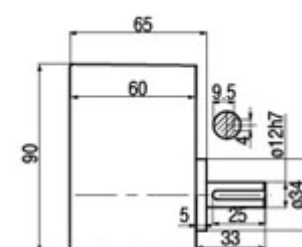
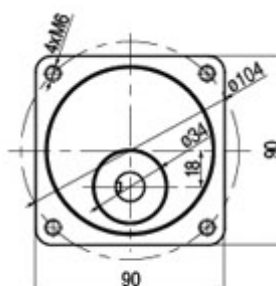
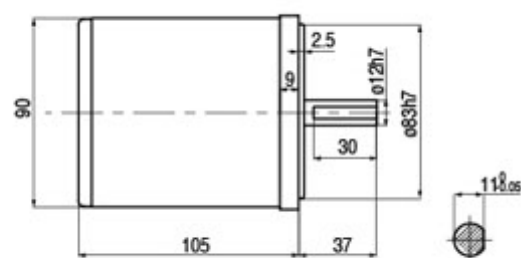
15W



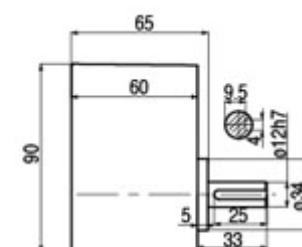
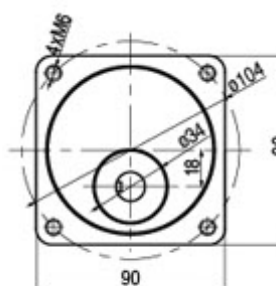
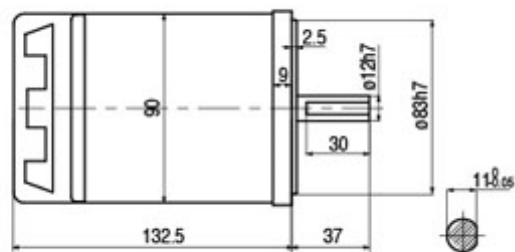
25W



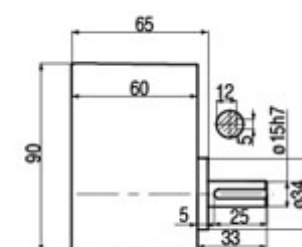
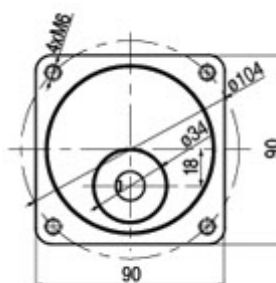
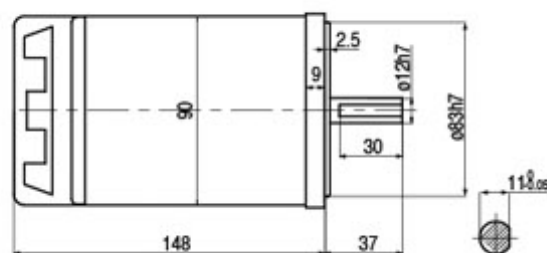
40W



60W



90W-120W



电机特性表 List of Motor Characteristics

| 型号/类型<br>Model / Type |                    | 额定功率<br>Rated Power | 电压<br>Voltage | 频率<br>Frequency | 极数<br>Poles | 额定转速<br>Rated Speed | 启动转矩<br>Rated Torque | 额定转矩<br>Rated Current | 额定电流<br>Starting Torque | 电容<br>Capacitor |
|-----------------------|--------------------|---------------------|---------------|-----------------|-------------|---------------------|----------------------|-----------------------|-------------------------|-----------------|
| 光轴<br>Round shaft     | 齿轴<br>Pinion shaft | W                   | V             | Hz              | P           | RPM                 | MN·M                 | MN·M                  | A                       | μf/450V         |
| 3RK15A-A              | 3RK15GN-A          | 15                  | 1ph110        | 50/60           | 4           | 1300                | 0.12                 | 0.11                  | 0.32                    | 6.0             |
| 3RK15A-C              | 3RK15GN-C          | 15                  | 1ph220        | 50/60           | 4           | 1300                | 0.12                 | 0.11                  | 0.17                    | 1.5             |
| 4RK25A-A              | 4RK25GN-A          | 25                  | 1ph110        | 50/60           | 4           | 1350                | 0.17                 | 0.18                  | 0.42                    | 6.0             |
| 4RK25A-C              | 4RK25GN-C          | 25                  | 1ph220        | 50/60           | 4           | 1350                | 0.20                 | 0.18                  | 0.28                    | 2.0             |
| 5RK40A1-A             | 5RK40GN-A          | 40                  | 1ph110        | 50/60           | 4           | 1350                | 0.30                 | 0.29                  | 0.68                    | 12.0            |
| 5RK40A1-C             | 5RK40GN-C          | 40                  | 1ph220        | 50/60           | 4           | 1350                | 0.30                 | 0.29                  | 0.35                    | 3.0             |
| 5RK60A1-AF            | 5RK60GN-AF         | 60                  | 1ph110        | 50/60           | 4           | 1350                | 0.45                 | 0.44                  | 1.10                    | 12.0            |
| 5RK60A1-CF            | 5RK60GN-CF         | 60                  | 1ph220        | 50/60           | 4           | 1350                | 0.45                 | 0.44                  | 0.46                    | 3.5             |
| 5RK90A1-AF            | 5RK90GU-AF         | 90                  | 1ph110        | 50/60           | 4           | 1350                | 0.48                 | 0.64                  | 1.55                    | 18.0            |
| 5RK90A1-CF            | 5RK90GU-CF         | 90                  | 1ph220        | 50/60           | 4           | 1350                | 0.61                 | 0.64                  | 0.65                    | 5.0             |
| 5RK120A1-AF           | 5RK120GU-AF        | 120                 | 1ph110        | 50/60           | 4           | 1250                | 0.78                 | 0.90                  | 2.10                    | 18.0            |
| 5RK120A1-CF           | 5RK120GU-CF        | 120                 | 1ph220        | 50/60           | 4           | 1300                | 0.85                 | 0.87                  | 1.10                    | 6.5             |

●使用电压不同，电容容量也不相同。故应与使用电压相对应，正确使用。●不能正确使用是造成故障的主要原因。订货时，在确认使用电压后，选择正确的型号进行订货。  
 ●The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. ●Wrong capacitor capacitance is the cause of trouble.  
 You must confirm a correct voltage and select a correct model when your purchase order is placed.

装有减速机时的容许转矩 allowable torque with gearbox

50Hz电机 单位: kgf.cm/N.m

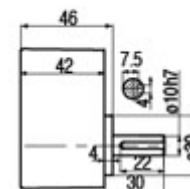
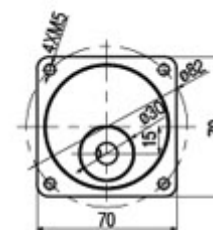
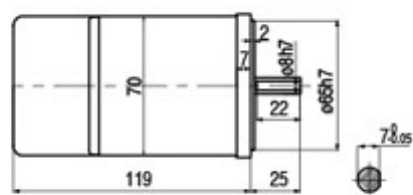
| 转速Output Shaft Speed | 500   | 417   | 300   | 250   | 200   | 166   | 150   | 120   | 100   | 83    | 75    | 60    | 50    | 41    | 37    | 30    | 25    | 20    | 16    | 15    | 12    | 10    | 8     | 7.5   |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3RK15GN-□ 3GN□K      | 3.2   | 3.9   | 5.4   | 6.5   | 8.1   | 9.7   | 10.8  | 13.5  | 16.2  | 19.4  | 19.4  | 24.2  | 29.1  | 34.9  | 38.8  | 43.6  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
|                      | 0.314 | 0.382 | 0.530 | 0.637 | 0.794 | 0.951 | 1.059 | 1.324 | 1.587 | 1.902 | 1.902 | 2.373 | 2.854 | 3.423 | 3.805 | 4.276 | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  |
| 4RK25GN-□ 4GN□K      | 5.3   | 6.4   | 8.9   | 10.7  | 13.4  | 16.0  | 17.8  | 22.3  | 26.7  | 32.1  | 32.1  | 40.2  | 48.2  | 57.8  | 64.2  | 72.6  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.519 | 0.627 | 0.872 | 1.049 | 1.313 | 1.568 | 1.744 | 2.185 | 2.617 | 3.146 | 3.146 | 3.940 | 4.724 | 5.664 | 6.292 | 7.115 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5RK40GN-□ 5GN□K      | 8.3   | 9.9   | 13.8  | 16.5  | 20.7  | 24.8  | 27.5  | 34.4  | 41.3  | 49.6  | 62.1  | 74.5  | 89.4  | 99.3  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.813 | 0.970 | 1.352 | 1.617 | 2.029 | 2.430 | 2.695 | 3.371 | 4.047 | 4.861 | 4.861 | 6.086 | 7.301 | 8.761 | 9.731 | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  |
| 5RK60GN-□ 5GN□K      | 12.2  | 14.6  | 20.3  | 24.3  | 30.4  | 36.5  | 40.5  | 45.6  | 54.8  | 65.7  | 73.0  | 82.5  | 99.0  | 119.0 | 132.0 | 165.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.196 | 1.431 | 1.989 | 2.381 | 2.989 | 3.577 | 3.969 | 4.469 | 5.370 | 6.439 | 7.154 | 8.085 | 9.702 | 11.66 | 12.94 | 16.17 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK90GU-□ 5GU□K      | 18.2  | 21.9  | 30.4  | 36.5  | 45.6  | 54.7  | 60.8  | 68.4  | 82.1  | 98.6  | 110.0 | 124.0 | 149.0 | 178.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.784 | 2.145 | 2.979 | 3.577 | 4.469 | 5.361 | 5.958 | 6.703 | 8.046 | 9.663 | 10.78 | 12.15 | 14.60 | 17.44 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK120GU-□ 5GU□K     | 23.2  | 27.8  | 38.7  | 46.4  | 58.0  | 69.6  | 77.4  | 87.0  | 104.0 | 125.0 | 139.0 | 156.0 | 188.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 2.276 | 2.731 | 3.793 | 4.552 | 5.689 | 6.827 | 7.586 | 8.534 | 10.24 | 12.29 | 13.65 | 15.36 | 18.43 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |

60Hz电机 单位: kgf.cm/N.m

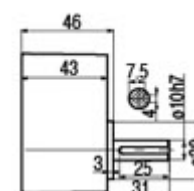
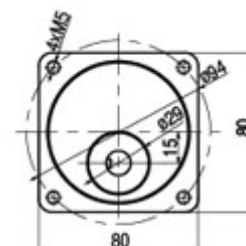
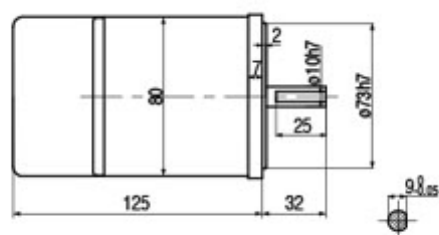
| 转速Output Shaft Speed | 600   | 500   | 360   | 300   | 240   | 200   | 180   | 144   | 120   | 100   | 90    | 72    | 60    | 50    | 45    | 36    | 30    | 24    | 20    | 18    | 15    | 12    | 10    | 9     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3RK15GN-□ 3GN□K      | 3.0   | 3.6   | 5.1   | 6.1   | 7.6   | 9.1   | 10.1  | 12.7  | 15.2  | 18.2  | 18.2  | 22.8  | 27.3  | 32.8  | 36.5  | 41.0  | 49.2  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
|                      | 0.294 | 0.353 | 0.500 | 0.598 | 0.745 | 0.892 | 0.990 | 1.245 | 1.491 | 1.785 | 1.785 | 2.236 | 2.677 | 3.217 | 3.579 | 4.021 | 4.825 | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  |
| 4RK25GN-□ 4GN□K      | 4.4   | 5.2   | 7.3   | 8.7   | 10.9  | 13.1  | 14.6  | 18.2  | 21.9  | 26.2  | 26.3  | 32.9  | 39.4  | 47.3  | 52.6  | 59.4  | 71.3  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.431 | 0.510 | 0.715 | 0.853 | 1.068 | 1.284 | 1.431 | 1.784 | 2.146 | 2.568 | 2.577 | 3.224 | 3.861 | 4.635 | 5.155 | 5.821 | 6.987 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5RK40GN-□ 5GN□K      | 6.8   | 8.2   | 11.3  | 13.6  | 17.0  | 20.4  | 22.7  | 28.4  | 34.0  | 40.8  | 40.9  | 51.1  | 61.3  | 73.6  | 81.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.666 | 0.804 | 1.107 | 1.333 | 1.666 | 1.999 | 2.225 | 2.783 | 3.332 | 3.998 | 4.008 | 5.008 | 6.007 | 7.213 | 8.016 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 |
| 5RK60GN-□ 5GN□K      | 9.7   | 11.7  | 16.2  | 19.4  | 24.3  | 29.2  | 32.4  | 36.5  | 43.8  | 52.6  | 58.4  | 66.0  | 79.2  | 95.0  | 106.0 | 132.0 | 158.0 | 177.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 0.953 | 1.147 | 1.588 | 1.901 | 2.381 | 2.862 | 3.175 | 3.577 | 4.292 | 5.155 | 5.726 | 6.648 | 7.762 | 9.31  | 10.39 | 12.94 | 15.48 | 17.35 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK90GU-□ 5GU□K      | 14.6  | 17.5  | 24.3  | 29.2  | 36.5  | 43.7  | 48.6  | 54.8  | 65.7  | 78.8  | 87.6  | 99.0  | 119.0 | 143.0 | 158.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.431 | 1.715 | 2.381 | 2.862 | 3.577 | 4.675 | 4.763 | 5.370 | 6.439 | 7.722 | 8.585 | 9.702 | 11.66 | 14.01 | 15.48 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK120GU-□ 5GU□K     | 18.7  | 22.5  | 31.2  | 37.4  | 46.8  | 56.1  | 62.4  | 70.2  | 84.2  | 101.0 | 112.0 | 126.0 | 152.0 | 182.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.835 | 2.202 | 3.058 | 3.670 | 4.587 | 5.505 | 6.116 | 6.881 | 8.257 | 9.909 | 11.01 | 12.39 | 14.86 | 17.84 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |

外形尺寸 Overall Dimension

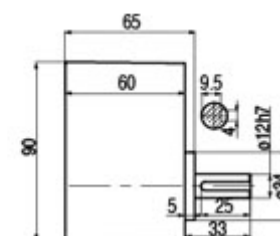
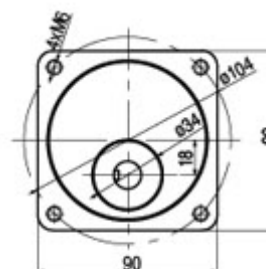
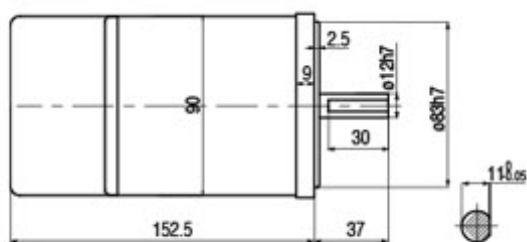
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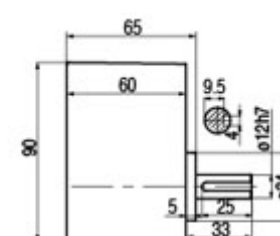
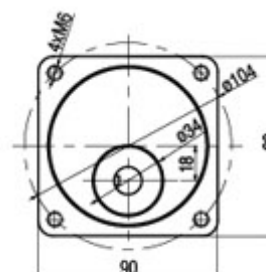
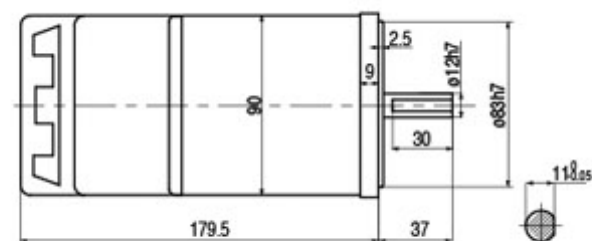
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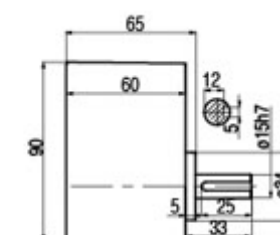
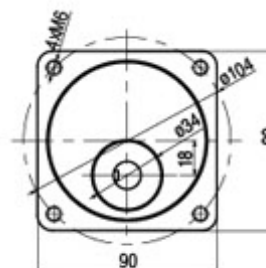
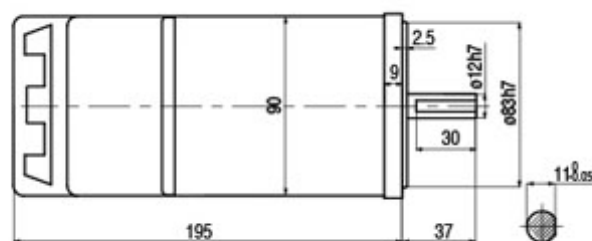
40W



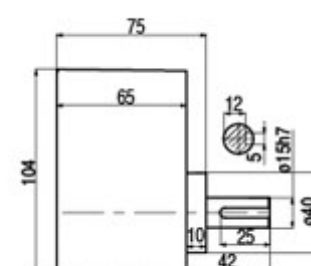
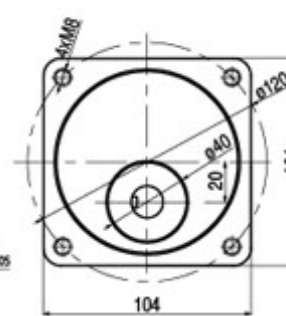
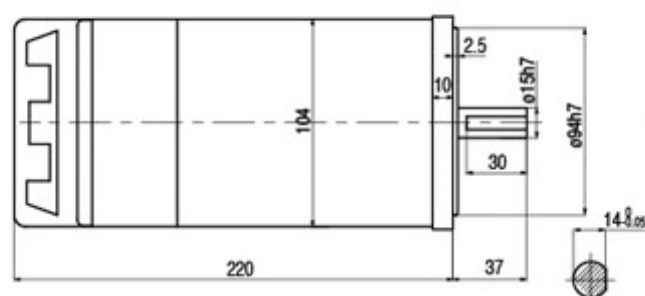
60W



90W-120W



120W-200W



电机特性表 List of Motor Characteristics

| 型号/类型<br>Model / Type      |                            | 额定功率<br>Rated Power | 电压<br>Voltage | 频率<br>Frequency | 极数<br>Poles | 额定转速<br>Rated Speed | 启动转矩<br>Rated Torque | 额定转矩<br>Rated Current | 额定电流<br>Starting Torque | 电容<br>Capacitor |
|----------------------------|----------------------------|---------------------|---------------|-----------------|-------------|---------------------|----------------------|-----------------------|-------------------------|-----------------|
| 光轴<br>Round shaft          | 齿轴<br>Pinion shaft         | W                   | V             | Hz              | P           | RPM                 | MN·M                 | MN·M                  | A                       | μf/450V         |
| 3RK15A-AM                  | 3RK15GN-AM                 | 15                  | 1ph110        | 50/60           | 4           | 1300                | 0.12                 | 0.11                  | 0.32                    | 6.0             |
| 3RK15A-CM                  | 3RK15GN-CM                 | 15                  | 1ph220        | 50/60           | 4           | 1300                | 0.12                 | 0.11                  | 0.17                    | 1.5             |
| 3RK15A-SM                  | 3RK15GN-SM                 | 15                  | 3ph220        | 50/60           | 4           | 1300                | 0.14                 | 0.19                  | 0.13                    | /               |
| 3RK15A-S <sub>3</sub>      | 3RK15GN-S <sub>3</sub>     | 15                  | 3ph380        | 50/60           | 4           | 1300                | 0.14                 | 0.18                  | 0.11                    | /               |
| 4RK25A-AM                  | 4RK25GN-AM                 | 25                  | 1ph110        | 50/60           | 4           | 1350                | 0.17                 | 0.18                  | 0.43                    | 6.0             |
| 4RK25A-CM                  | 4RK25GN-CM                 | 25                  | 1ph220        | 50/60           | 4           | 1350                | 0.14                 | 0.18                  | 0.24                    | 2.0             |
| 4RK25A-SM                  | 4RK25GN-SM                 | 25                  | 3ph220        | 50/60           | 4           | 1300                | 0.52                 | 0.19                  | 0.25                    | /               |
| 4RK25A-S <sub>3</sub> M    | 4RK25GN-S <sub>3</sub> M   | 25                  | 3ph380        | 50/60           | 4           | 1300                | 0.52                 | 0.19                  | 0.14                    | /               |
| 5RK40A1-AM                 | 5RK40GN-AM                 | 40                  | 1ph110        | 50/60           | 4           | 1350                | 0.30                 | 0.29                  | 0.68                    | 12.0            |
| 5RK40A1-CM                 | 5RK40GN-CM                 | 40                  | 1ph220        | 50/60           | 4           | 1350                | 0.30                 | 0.29                  | 0.35                    | 2.5             |
| 5RK40A1-SM                 | 5RK40GN-SM                 | 40                  | 3ph220        | 50/60           | 4           | 1300                | 1.15                 | 0.29                  | 0.38                    | /               |
| 5RK40A1-S <sub>3</sub> M   | 5RK40GN-S <sub>3</sub> M   | 40                  | 3ph380        | 50/60           | 4           | 1300                | 1.15                 | 0.29                  | 0.22                    | /               |
| 5RK60A1-AFM                | 5RK60GN-AFM                | 60                  | 1ph110        | 50/60           | 4           | 1350                | 0.45                 | 0.44                  | 1.10                    | 12.0            |
| 5RK60A1-CFM                | 5RK60GN-CFM                | 60                  | 1ph220        | 50/60           | 4           | 1350                | 0.45                 | 0.44                  | 0.45                    | 3.5             |
| 5RK60A1-SFM                | 5RK60GN-SFM                | 60                  | 3ph220        | 50/60           | 4           | 1350                | 1.70                 | 0.46                  | 0.49                    | /               |
| 5RK60A1-S <sub>3</sub> FM  | 5RK60GN-S <sub>3</sub> FM  | 60                  | 3ph380        | 50/60           | 4           | 1350                | 1.70                 | 0.46                  | 0.28                    | /               |
| 5RK90A1-AFM                | 5RK90GU-AFM                | 90                  | 1ph110        | 50/60           | 4           | 1350                | 0.48                 | 0.64                  | 1.55                    | 18.0            |
| 5RK90A1-CFM                | 5RK90GU-CFM                | 90                  | 1ph220        | 50/60           | 4           | 1350                | 0.48                 | 0.64                  | 0.59                    | 5.0             |
| 5RK90A1-SFM                | 5RK90GU-SFM                | 90                  | 3ph220        | 50/60           | 4           | 1350                | 2.30                 | 0.66                  | 0.66                    | /               |
| 5RK90A1-S <sub>3</sub> FM  | 5RK90GU-S <sub>3</sub> FM  | 90                  | 3ph380        | 50/60           | 4           | 1350                | 2.30                 | 0.66                  | 0.28                    | /               |
| 5RK120A1-AFM               | 5RK120GU-AFM               | 120                 | 1ph110        | 50/60           | 4           | 1300                | 0.78                 | 0.90                  | 2.10                    | 18.0            |
| 5RK120A1-CFM               | 5RK120GU-CFM               | 120                 | 1ph220        | 50/60           | 4           | 1300                | 0.75                 | 0.87                  | 0.92                    | 6.5             |
| 5RK120A1-SFM               | 5RK120GU-SFM               | 120                 | 3ph220        | 50/60           | 4           | 1300                | 3.00                 | 0.87                  | 0.86                    | /               |
| 5RK120A1-S <sub>3</sub> FM | 5RK120GU-S <sub>3</sub> FM | 120                 | 3ph380        | 50/60           | 4           | 1300                | 3.00                 | 0.87                  | 0.51                    | /               |
| 5RK180A1-AFM               | 5RK180GU-AFM               | 180                 | 1ph110        | 50/60           | 4           | 1350                | 0.97                 | 1.27                  | 2.40                    | 30.0            |
| 5RK180A1-CFM               | 5RK180GU-CFM               | 180                 | 1ph220        | 50/60           | 4           | 1350                | 1.12                 | 1.23                  | 1.21                    | 12.0            |
| 5RK180A1-SFM               | 5RK180GU-SFM               | 180                 | 3ph220        | 50/60           | 4           | 1350                | 4.50                 | 1.23                  | 0.83                    | /               |
| 5RK180A1-S <sub>3</sub> FM | 5RK180GU-S <sub>3</sub> FM | 180                 | 3ph380        | 50/60           | 4           | 1350                | 4.50                 | 1.23                  | 0.59                    | /               |
| 6RK120A1-AFM               | 6RK120GU-AFM               | 120                 | 1ph110        | 50/60           | 4           | 1350                | 0.59                 | 0.85                  | 1.90                    | 30.0            |
| 6RK120A1-CFM               | 6RK120GU-CFM               | 120                 | 1ph220        | 50/60           | 4           | 1350                | 0.75                 | 0.85                  | 0.88                    | 8.0             |
| 6RK120A1-SFM               | 6RK120GU-SFM               | 120                 | 3ph220        | 50/60           | 4           | 1350                | 3.50                 | 0.85                  | 0.89                    | /               |
| 6RK120A1-S <sub>3</sub> FM | 6RK120GU-S <sub>3</sub> FM | 120                 | 3ph380        | 50/60           | 4           | 1350                | 3.50                 | 0.85                  | 0.51                    | /               |
| 6RK140A1-AFM               | 6RK140GU-AFM               | 140                 | 1ph110        | 50/60           | 4           | 1350                | 0.90                 | 0.99                  | 2.00                    | 30.0            |
| 6RK140A1-CFM               | 6RK140GU-CFM               | 140                 | 1ph220        | 50/60           | 4           | 1350                | 0.90                 | 0.099                 | 1.13                    | 8.0             |
| 6RK140A1-SFM               | 6RK140GU-SFM               | 140                 | 3ph220        | 50/60           | 4           | 1350                | 3.50                 | 0.99                  | 0.95                    | /               |
| 6RK140A1-S <sub>3</sub> FM | 6RK140GU-S <sub>3</sub> FM | 140                 | 3ph380        | 50/60           | 4           | 1350                | 3.50                 | 0.99                  | 0.55                    | /               |
| 6RK180A1-AFM               | 6RK180GU-AFM               | 180                 | 1ph110        | 50/60           | 4           | 1350                | 0.63                 | 1.25                  | 1.90                    | 30.0            |
| 6RK180A1-CFM               | 6RK180GU-CFM               | 180                 | 1ph220        | 50/60           | 4           | 1350                | 0.81                 | 1.25                  | 1.17                    | 10.0            |
| 6RK180A1-SFM               | 6RK180GU-SFM               | 180                 | 3ph220        | 50/60           | 4           | 1350                | 4.60                 | 1.25                  | 0.89                    | /               |
| 6RK180A1-S <sub>3</sub> FM | 6RK180GU-S <sub>3</sub> FM | 180                 | 3ph380        | 50/60           | 4           | 1350                | 4.60                 | 1.25                  | 0.51                    | /               |
| 6RK200A1-AFM               | 6RK200GU-AFM               | 200                 | 1ph110        | 50/60           | 4           | 1350                | 1.32                 | 1.32                  | 2.80                    | 30.0            |
| 6RK200A1-CFM               | 6RK200GU-CFM               | 200                 | 1ph220        | 50/60           | 4           | 1350                | 1.32                 | 1.32                  | 1.25                    | 10.0            |
| 6RK200A1-SFM               | 6RK200GU-SFM               | 200                 | 3ph220        | 50/60           | 4           | 1350                | 4.70                 | 1.32                  | 0.95                    | /               |
| 6RK200A1-S <sub>3</sub> FM | 6RK200GU-S <sub>3</sub> FM | 200                 | 3ph380        | 50/60           | 4           | 1350                | 4.70                 | 1.32                  | 0.55                    | /               |

●使用电压不同，电容量也不相同。故应与使用电压相对应，正确使用。●不能正确使用是造成故障的主要原因。订货时，在确认使用电压后，选择正确的型号进行订货。  
 ●The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. ●Wrong capacitor capacitance is the cause of trouble.  
 You must confirm a correct voltage and select a correct model when your purchase order is placed.

装有减速机时的容许转矩 allowable torque with gearbox

50Hz电机 单位: kgf.cm/N.m

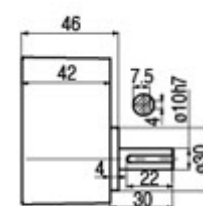
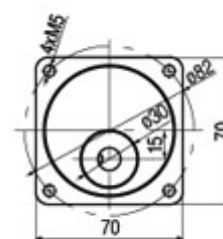
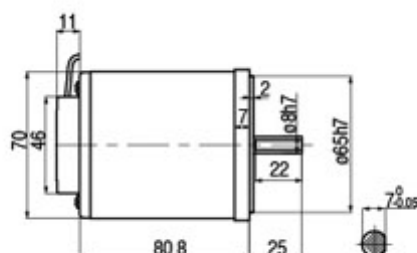
| 转速Output Shaft Speed | 500   | 417   | 300   | 250   | 200   | 166   | 150   | 120   | 100   | 83    | 75    | 60    | 50    | 41    | 37    | 30    | 25    | 20    | 16    | 15    | 12    | 10    | 8     | 7.5   |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3RK15GN-□ 3GN□K      | 3.4   | 4.1   | 5.7   | 6.8   | 8.5   | 10.2  | 11.3  | 14.2  | 17    | 20.4  | 20.4  | 25.6  | 30.7  | 36.8  | 40.9  | 46.2  | 55.4  | 69.2  | 80    | 80    | 80    | 80    | 80    | 80    |
|                      | 0.333 | 0.402 | 0.559 | 0.666 | 0.833 | 1     | 1.107 | 1.392 | 1.666 | 1.999 | 1.999 | 2.509 | 3.009 | 3.606 | 4.008 | 4.53  | 5.423 | 6.786 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 4RK25GN-□ 4GN□K      | 5.3   | 6.4   | 8.9   | 10.7  | 13.4  | 16.0  | 17.8  | 22.3  | 26.7  | 32.1  | 32.1  | 40.2  | 48.2  | 57.8  | 64.2  | 72.6  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.519 | 0.627 | 0.872 | 1.049 | 1.313 | 1.568 | 1.744 | 2.185 | 2.617 | 3.146 | 3.146 | 3.940 | 4.724 | 5.664 | 6.292 | 7.115 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5RK40GN-□ 5GN□K      | 8.3   | 9.9   | 13.8  | 16.5  | 20.7  | 24.8  | 27.5  | 34.4  | 41.3  | 49.6  | 62.1  | 74.5  | 89.4  | 99.3  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.813 | 0.970 | 1.352 | 1.617 | 2.029 | 2.430 | 2.695 | 3.371 | 4.047 | 4.861 | 4.861 | 6.086 | 7.301 | 8.761 | 9.731 | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  |
| 5RK60GN-□ 5GN□K      | 12.2  | 14.6  | 20.3  | 24.3  | 30.4  | 36.5  | 40.5  | 45.6  | 54.8  | 65.7  | 73.0  | 82.5  | 99.0  | 119.0 | 132.0 | 165.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.196 | 1.431 | 1.989 | 2.381 | 2.989 | 3.577 | 3.969 | 4.469 | 5.370 | 6.439 | 7.154 | 8.085 | 9.702 | 11.66 | 12.94 | 16.17 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK90GU-□ 5GU□K      | 18.2  | 21.9  | 30.4  | 36.5  | 45.6  | 54.7  | 60.8  | 68.4  | 82.1  | 98.6  | 110.0 | 124.0 | 149.0 | 178.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.784 | 2.145 | 2.979 | 3.577 | 4.469 | 5.361 | 5.958 | 6.703 | 8.046 | 9.663 | 10.78 | 12.15 | 14.60 | 17.44 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK120GU-□ 5GU□K     | 23.2  | 27.8  | 38.7  | 46.4  | 58.0  | 69.6  | 77.4  | 87.0  | 104.0 | 125.0 | 139.0 | 156.0 | 188.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 2.276 | 2.731 | 3.793 | 4.552 | 5.689 | 6.827 | 7.586 | 8.534 | 10.24 | 12.29 | 13.65 | 15.36 | 18.43 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5RK180GU-□ 5GU□K     | 34.0  | 41.0  | 57.0  | 68.0  | 85.1  | 102.0 | 113.0 | 128.0 | 153.0 | 184.0 | 204.0 | 230.0 | 278.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 3.336 | 4.021 | 5.590 | 6.672 | 8.341 | 10.01 | 11.12 | 12.55 | 15.01 | 18.04 | 20.02 | 22.56 | 27.26 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6RK120GU-□ 6GU□K     | 21.0  | 25.3  | 35.1  | 42.1  | 52.6  | 63.2  | 63.2  | 79.1  | 94.9  | 114.0 | 114.0 | 143.0 | 171.0 | 206.0 | 228.0 | 286.0 | 343.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.06  | 2.48  | 3.44  | 4.13  | 5.16  | 6.19  | 6.19  | 7.75  | 9.30  | 11.20 | 11.20 | 14.00 | 16.80 | 20.00 | 22.40 | 28.00 | 33.60 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK140GU-□ 6GU□K     | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK180GU-□ 6GU□K     | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK200GU-□ 6GU□K     | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

60Hz电机 单位: kgf.cm/N.m

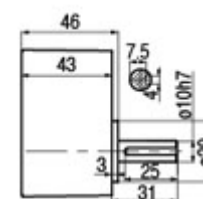
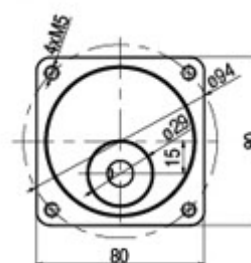
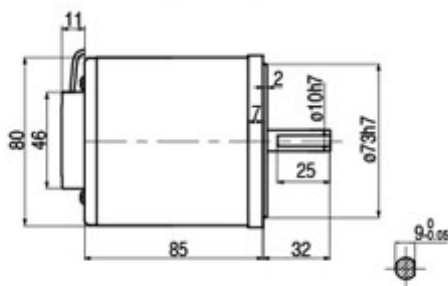
| 转速Output Shaft Speed | 600   | 500   | 360   | 300   | 240   | 200   | 180   | 144   | 120   | 100   | 90    | 72    | 60    | 50    | 45    | 36    | 30    | 24    | 20    | 18    | 15    | 12    | 10    | 9     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3RK15GN-□ 3GN□K      | 2.9   | 3.5   | 4.9   | 5.8   | 7.3   | 8.7   | 9.7   | 12.2  | 14.6  | 17.5  | 17.5  | 21.9  | 26.3  | 31.5  | 35    | 39.6  | 47.5  | 59.4  | 71.3  | 79.2  | 80    | 80    | 80    | 80    |
|                      | 0.284 | 0.343 | 0.481 | 0.568 | 0.715 | 0.853 | 0.951 | 1.196 | 1.432 | 1.715 | 1.715 | 2.416 | 2.577 | 3.087 | 3.43  | 3.883 | 4.658 | 5.825 | 6.992 | 7.767 | 7.84  | 7.84  | 7.84  | 7.84  |
| 4RK25GN-□ 4GN□K      | 4.4   | 5.2   | 7.3   | 8.7   | 10.9  | 13.1  | 14.6  | 18.2  | 21.9  | 26.2  | 26.3  | 32.9  | 39.4  | 47.3  | 52.6  | 59.4  | 71.3  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.431 | 0.510 | 0.715 | 0.853 | 1.068 | 1.284 | 1.431 | 1.784 | 2.146 | 2.568 | 2.577 | 3.224 | 3.861 | 4.635 | 5.155 | 5.821 | 6.987 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5RK40GN-□ 5GN□K      | 6.8   | 8.2   | 11.3  | 13.6  | 17.0  | 20.4  | 22.7  | 28.4  | 34.0  | 40.8  | 40.9  | 51.1  | 61.3  | 73.6  | 81.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.666 | 0.804 | 1.107 | 1.333 | 1.666 | 1.999 | 2.225 | 2.783 | 3.332 | 3.998 | 4.008 | 5.008 | 6.007 | 7.213 | 8.016 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 |
| 5RK60GN-□ 5GN□K      | 9.7   | 11.7  | 16.2  | 19.4  | 24.3  | 29.2  | 32.4  | 36.5  | 43.8  | 52.6  | 58.4  | 66.0  | 79.2  | 95.0  | 106.0 | 132.0 | 158.0 | 177.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 0.953 | 1.147 | 1.588 | 1.901 | 2.381 | 2.862 | 3.175 | 3.577 | 4.292 | 5.155 | 5.726 | 6.648 | 7.762 | 9.31  | 10.39 | 12.94 | 15.48 | 17.35 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK90GU-□ 5GU□K      | 14.6  | 17.5  | 24.3  | 29.2  | 36.5  | 43.7  | 48.6  | 54.8  | 65.7  | 78.8  | 87.6  | 99.0  | 119.0 | 143.0 | 158.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.431 | 1.715 | 2.381 | 2.862 | 3.577 | 4.675 | 4.763 | 5.370 | 6.439 | 7.722 | 8.585 | 9.702 | 11.66 | 14.01 | 15.48 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK120GU-□ 5GU□K     | 18.7  | 22.5  | 31.2  | 37.4  | 46.8  | 56.1  | 62.4  | 70.2  | 84.2  | 101.0 | 112.0 | 126.0 | 152.0 | 182.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.835 | 2.202 | 3.058 | 3.670 | 4.587 | 5.505 | 6.116 | 6.881 | 8.257 | 9.909 | 11.01 | 12.39 | 14.86 | 17.84 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5RK180GU-□ 5GU□K     | 28.1  | 34.0  | 47.0  | 57.0  | 71.0  | 84.2  | 94.0  | 105.0 | 126.0 | 152.0 | 168.0 | 189.0 | 227.0 | 273.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 2.756 | 3.334 | 4.609 | 5.590 | 6.963 | 8.257 | 9.218 | 10.30 | 12.39 | 14.91 | 16.51 | 18.58 | 22.29 | 26.75 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6RK120GU-□ 6GU□K     | 17.8  | 21.3  | 29.6  | 35.5  | 44.4  | 53.3  | 53.3  | 69.7  | 80.0  | 96.1  | 96.1  | 121.0 | 146.0 | 174.0 | 193.0 | 241.0 | 289.0 | 362.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 1.74  | 2.09  | 2.90  | 3.48  | 4.35  | 5.22  | 5.22  | 6.54  | 7.85  | 9.42  | 9.42  | 11.80 | 14.20 | 17.00 | 18.90 | 23.60 | 28.40 | 35.50 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK140GU-□ 6GU□K     | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK180GU-□ 6GU□K     | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK200GU-□ 6GU□K     | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

外形尺寸 Overall Dimension

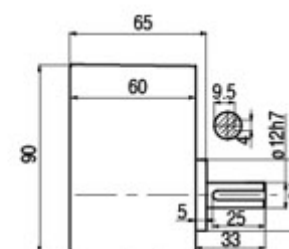
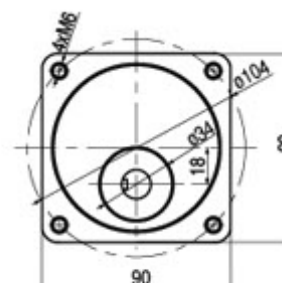
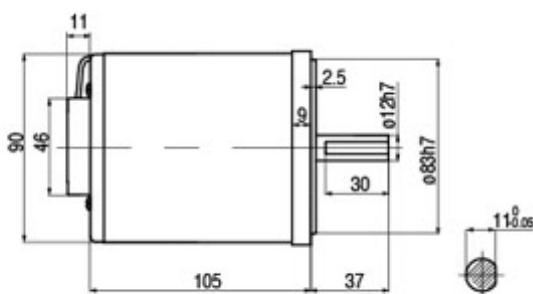
15W



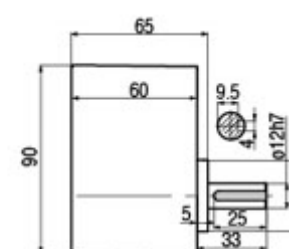
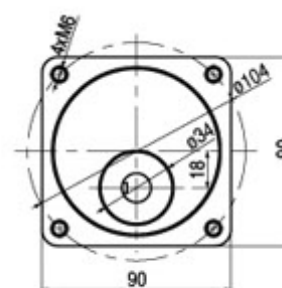
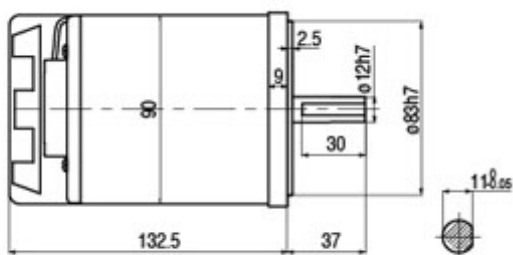
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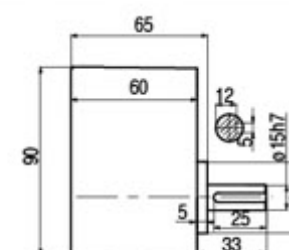
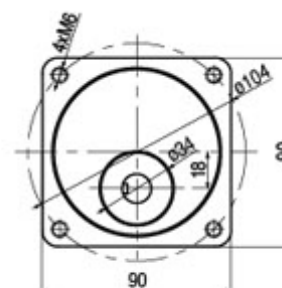
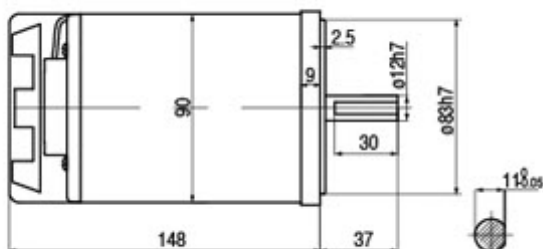
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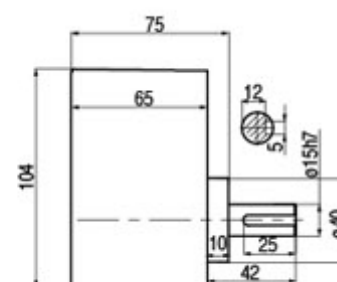
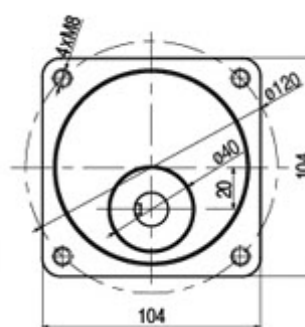
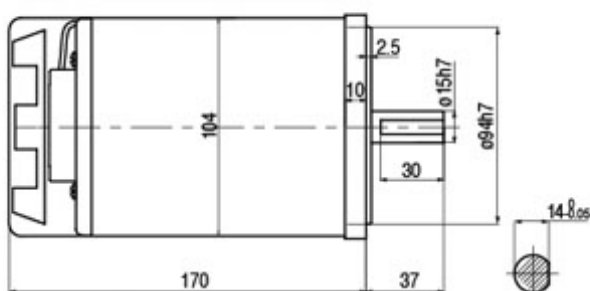
60W



90W-120W



120W-200W



电机特性表 List of Motor Characteristics

| 型号/类型<br>Model / Type |                    | 额定功率<br>Rated Power | 电压<br>Voltage | 频率<br>Frequency | 极数<br>Poles | 额定转速<br>Rated Speed | 启动转矩<br>Rated Torque | 额定转矩<br>Rated Current | 额定电流<br>Starting Torque | 电容<br>Capacitor |
|-----------------------|--------------------|---------------------|---------------|-----------------|-------------|---------------------|----------------------|-----------------------|-------------------------|-----------------|
| 光轴<br>Round shaft     | 齿轴<br>Pinion shaft | W                   | V             | Hz              | P           | RPM                 | MN·M                 | MN·M                  | A                       | μf/450V         |
| 3IK15RA-A             | 3IK15RGN-A         | 15                  | 1ph110        | 50/60           | 4           | 90-1350             | 0.06                 | 0.04                  | 0.12                    | 6.0             |
| 3IK15RA-C             | 3IK15RGN-C         | 15                  | 1ph220        | 50/60           | 4           | 90-1350             | 0.06                 | 0.04                  | 0.12                    | 1.5             |
| 4IK25RA-A             | 4IK25RGN-C         | 25                  | 1ph110        | 50/60           | 4           | 90-1350             | 0.13                 | 0.05                  | 0.19                    | 6.0             |
| 4IK25RA-C             | 4IK25RGN-C         | 25                  | 1ph220        | 50/60           | 4           | 90-1350             | 0.13                 | 0.05                  | 0.19                    | 2.0             |
| 5IK40RA1-A            | 5IK40RGN-A         | 40                  | 1ph110        | 50/60           | 4           | 90-1350             | 0.19                 | 0.06                  | 0.30                    | 10.0            |
| 5IK40RA1-C            | 5IK40RGN-C         | 40                  | 1ph220        | 50/60           | 4           | 90-1350             | 0.19                 | 0.06                  | 0.30                    | 2.5             |
| 5IK60RA1-AF           | 5IK60RGN-AF        | 60                  | 1ph110        | 50/60           | 4           | 90-1350             | 0.31                 | 0.14                  | 0.50                    | 12.0            |
| 5IK60RA1-CF           | 5IK60RGN-CF        | 60                  | 1ph220        | 50/60           | 4           | 90-1350             | 0.33                 | 0.14                  | 0.50                    | 3.5             |
| 5IK90RA1-AF           | 5IK90RGU-AF        | 90                  | 1ph110        | 50/60           | 4           | 90-1350             | 0.48                 | 0.23                  | 0.71                    | 18.0            |
| 5IK90RA1-CF           | 5IK90RGU-CF        | 90                  | 1ph220        | 50/60           | 4           | 90-1350             | 0.45                 | 0.23                  | 0.71                    | 5.0             |
| 5IK120RA1-AF          | 5IK120RGU-AF       | 120                 | 1ph110        | 50/60           | 4           | 90-1350             | 0.55                 | 0.40                  | 0.75                    | 18.0            |
| 5IK120RA1-CF          | 5IK120RGU-CF       | 120                 | 1ph220        | 50/60           | 4           | 90-1350             | 0.55                 | 0.40                  | 0.75                    | 6.5             |
| 5IK180RA1-AF          | 5IK180RGU-AF       | 180                 | 1ph110        | 50/60           | 4           | 90-1350             | 0.97                 | 1.27                  | 2.40                    | 30.0            |
| 5IK180RA1-CF          | 5IK180RGU-CF       | 180                 | 1ph220        | 50/60           | 4           | 90-1350             | 1.12                 | 1.23                  | 1.21                    | 12.0            |
| 6IK120RA1-AF          | 6IK120RGU-AF       | 120                 | 1ph110        | 50/60           | 4           | 90-1350             | 0.51                 | 0.40                  | 0.75                    | 30.0            |
| 6IK120RA1-CF          | 6IK120RGU-CF       | 120                 | 1ph220        | 50/60           | 4           | 90-1350             | 0.65                 | 0.40                  | 0.75                    | 8.0             |
| 6IK140RA1-AF          | 6IK140RGU-AF       | 140                 | 1ph110        | 50/60           | 4           | 90-1350             | 0.62                 | 0.45                  | 0.85                    | 30.0            |
| 6IK140RA1-CF          | 6IK140RGU-CF       | 140                 | 1ph220        | 50/60           | 4           | 90-1350             | 0.68                 | 0.45                  | 0.85                    | 8.0             |
| 6IK180RA1-AF          | 6IK180RGU-AF       | 180                 | 1ph110        | 50/60           | 4           | 90-1350             | 0.80                 | 0.63                  | 1.20                    | 30.0            |
| 6IK180RA1-CF          | 6IK180RGU-CF       | 180                 | 1ph220        | 50/60           | 4           | 90-1350             | 0.92                 | 0.63                  | 1.20                    | 10.0            |
| 6IK200RA1-AF          | 6IK200RGU-AF       | 200                 | 1ph110        | 50/60           | 4           | 90-1350             | 0.84                 | 0.67                  | 1.32                    | 30.0            |
| 6IK200RA1-CF          | 6IK200RGU-CF       | 200                 | 1ph220        | 50/60           | 4           | 90-1350             | 0.84                 | 0.67                  | 1.32                    | 8.0             |

●使用电压不同，电容容量也不相同。故应与使用电压相对应，正确使用。●不能正确使用是造成故障的主要原因。订货时，在确认使用电压后，选择正确的型号进行订货。  
 ●The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. ●Wrong capacitor capacitance is the cause of trouble.  
 You must confirm a correct voltage and select a correct model when your purchase order is placed.

## 装有减速机时的容许转矩 allowable torque with gearbox

50Hz电机 单位: kgf.cm/N.m

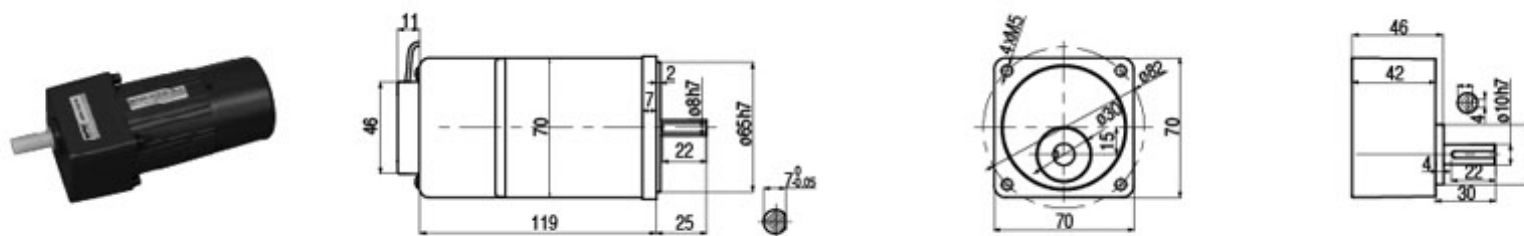
| 转速Output Shaft Speed | 500   | 417   | 300   | 250   | 200   | 166   | 150   | 120   | 100   | 83    | 75    | 60    | 50    | 41    | 37    | 30    | 25    | 20    | 16    | 15    | 12    | 10    | 8     | 7.5   |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3IK15RGN-□ 3GN□K     | 3.2   | 3.9   | 5.4   | 6.5   | 8.1   | 9.7   | 10.8  | 13.5  | 16.2  | 19.4  | 19.4  | 24.2  | 29.1  | 34.9  | 38.8  | 43.6  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
|                      | 0.314 | 0.382 | 0.530 | 0.637 | 0.794 | 0.951 | 1.059 | 1.324 | 1.587 | 1.902 | 1.902 | 2.373 | 2.854 | 3.423 | 3.805 | 4.276 | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  |
| 4IK25RGN-□ 4GN□K     | 5.3   | 6.4   | 8.9   | 10.7  | 13.4  | 16.0  | 17.8  | 22.3  | 26.7  | 32.1  | 32.1  | 40.2  | 48.2  | 57.8  | 64.2  | 72.6  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.519 | 0.627 | 0.872 | 1.049 | 1.313 | 1.568 | 1.744 | 2.185 | 2.617 | 3.146 | 3.146 | 3.940 | 4.724 | 5.664 | 6.292 | 7.115 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5IK40RGN-□ 5GN□K     | 8.3   | 9.9   | 13.8  | 16.5  | 20.7  | 24.8  | 27.5  | 34.4  | 41.3  | 49.6  | 62.1  | 74.5  | 89.4  | 99.3  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.813 | 0.970 | 1.352 | 1.617 | 2.029 | 2.430 | 2.695 | 3.371 | 4.047 | 4.861 | 4.861 | 6.086 | 7.301 | 8.761 | 9.731 | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  |
| 5IK60RGN-□ 5GN□K     | 12.2  | 14.6  | 20.3  | 24.3  | 30.4  | 36.5  | 40.5  | 45.6  | 54.8  | 65.7  | 73.0  | 82.5  | 99.0  | 119.0 | 132.0 | 165.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.196 | 1.431 | 1.989 | 2.381 | 2.989 | 3.577 | 3.969 | 4.469 | 5.370 | 6.439 | 7.154 | 8.085 | 9.702 | 11.66 | 12.94 | 16.17 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK90RGU-□ 5GU□K     | 18.2  | 21.9  | 30.4  | 36.5  | 45.6  | 54.7  | 60.8  | 68.4  | 82.1  | 98.6  | 110.0 | 124.0 | 149.0 | 178.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.784 | 2.145 | 2.979 | 3.577 | 4.469 | 5.361 | 5.958 | 6.703 | 8.046 | 9.663 | 10.78 | 12.15 | 14.60 | 17.44 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK120RGU-□ 5GU□K    | 23.2  | 27.8  | 38.7  | 46.4  | 58.0  | 69.6  | 77.4  | 87.0  | 104.0 | 125.0 | 139.0 | 156.0 | 188.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 2.276 | 2.731 | 3.793 | 4.552 | 5.689 | 6.827 | 7.586 | 8.534 | 10.24 | 12.29 | 13.65 | 15.36 | 18.43 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5IK180RGU-□ 5GU□K    | 34.0  | 41.0  | 57.0  | 68.0  | 85.1  | 102.0 | 113.0 | 128.0 | 153.0 | 184.0 | 204.0 | 230.0 | 278.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 3.336 | 4.021 | 5.590 | 6.672 | 8.341 | 10.01 | 11.12 | 12.55 | 15.01 | 18.04 | 20.02 | 22.56 | 27.26 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6IK120RGU- 6GU□K     | 21.0  | 25.3  | 35.1  | 42.1  | 52.6  | 63.2  | 63.2  | 79.1  | 94.9  | 114.0 | 114.0 | 143.0 | 171.0 | 206.0 | 228.0 | 286.0 | 343.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.06  | 2.48  | 3.44  | 4.13  | 5.16  | 6.19  | 6.19  | 7.75  | 9.30  | 11.20 | 11.20 | 14.00 | 16.80 | 20.00 | 22.40 | 28.00 | 33.60 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK140RGU-□ 6GU□K    | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK180RGU-□ 6GU□K    | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK200RGU-□ 6GU□K    | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

60Hz电机 单位: kgf.cm/N.m

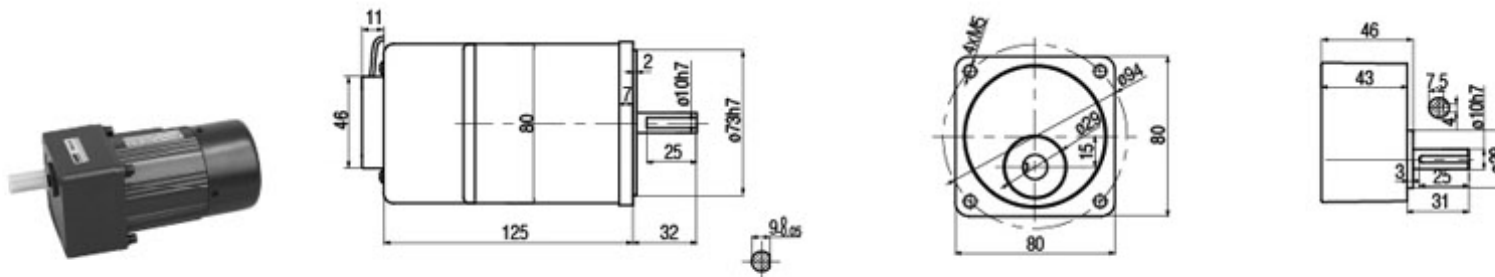
| 转速Output Shaft Speed | 600   | 500   | 360   | 300   | 240   | 200   | 180   | 144   | 120   | 100   | 90    | 72    | 60    | 50    | 45    | 36    | 30    | 24    | 20    | 18    | 15    | 12    | 10    | 9     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3IK15RGN-□ 3GN□K     | 3.0   | 3.6   | 5.1   | 6.1   | 7.6   | 9.1   | 10.1  | 12.7  | 15.2  | 18.2  | 18.2  | 22.8  | 27.3  | 32.8  | 36.5  | 41.0  | 49.2  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  | 50.0  |
|                      | 0.294 | 0.353 | 0.500 | 0.598 | 0.745 | 0.892 | 0.990 | 1.245 | 1.491 | 1.785 | 1.785 | 2.236 | 2.677 | 3.217 | 3.579 | 4.021 | 4.825 | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  | 4.90  |
| 4IK25RGN-□ 4GN□K     | 4.4   | 5.2   | 7.3   | 8.7   | 10.9  | 13.1  | 14.6  | 18.2  | 21.9  | 26.2  | 26.3  | 32.9  | 39.4  | 47.3  | 52.6  | 59.4  | 71.3  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.431 | 0.510 | 0.715 | 0.853 | 1.068 | 1.284 | 1.431 | 1.784 | 2.146 | 2.568 | 2.577 | 3.224 | 3.861 | 4.635 | 5.155 | 5.821 | 6.987 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5IK40RGN-□ 5GN□K     | 6.8   | 8.2   | 11.3  | 13.6  | 17.0  | 20.4  | 22.7  | 28.4  | 34.0  | 40.8  | 40.9  | 51.1  | 61.3  | 73.6  | 81.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.666 | 0.804 | 1.107 | 1.333 | 1.666 | 1.999 | 2.225 | 2.783 | 3.332 | 3.998 | 4.008 | 5.008 | 6.007 | 7.213 | 8.016 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 |
| 5IK60RGN-□ 5GN□K     | 9.7   | 11.7  | 16.2  | 19.4  | 24.3  | 29.2  | 32.4  | 36.5  | 43.8  | 52.6  | 58.4  | 66.0  | 79.2  | 95.0  | 106.0 | 132.0 | 158.0 | 177.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 0.953 | 1.147 | 1.588 | 1.901 | 2.381 | 2.862 | 3.175 | 3.577 | 4.292 | 5.155 | 5.726 | 6.648 | 7.762 | 9.31  | 10.39 | 12.94 | 15.48 | 17.35 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK90RGU-□ 5GU□K     | 14.6  | 17.5  | 24.3  | 29.2  | 36.5  | 43.7  | 48.6  | 54.8  | 65.7  | 78.8  | 87.6  | 99.0  | 119.0 | 143.0 | 158.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.431 | 1.715 | 2.381 | 2.862 | 3.577 | 4.675 | 4.763 | 5.370 | 6.439 | 7.722 | 8.585 | 9.702 | 11.66 | 14.01 | 15.48 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK120RGU-□ 5GU□K    | 18.7  | 22.5  | 31.2  | 37.4  | 46.8  | 56.1  | 62.4  | 70.2  | 84.2  | 101.0 | 112.0 | 126.0 | 152.0 | 182.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.835 | 2.202 | 3.058 | 3.670 | 4.587 | 5.505 | 6.116 | 6.881 | 8.257 | 9.909 | 11.01 | 12.39 | 14.86 | 17.84 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5IK180RGU-□ 5GU□K    | 28.1  | 34.0  | 47.0  | 57.0  | 71.0  | 84.2  | 94.0  | 105.0 | 126.0 | 152.0 | 168.0 | 189.0 | 227.0 | 273.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 2.756 | 3.334 | 4.609 | 5.590 | 6.963 | 8.257 | 9.218 | 10.30 | 12.39 | 14.91 | 16.51 | 18.58 | 22.29 | 26.75 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6IK120RGU- 6GU□K     | 17.8  | 21.3  | 29.6  | 35.5  | 44.4  | 53.3  | 53.3  | 69.7  | 80.0  | 96.1  | 96.1  | 121.0 | 146.0 | 174.0 | 193.0 | 241.0 | 289.0 | 362.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 1.74  | 2.09  | 2.90  | 3.48  | 4.35  | 5.22  | 5.22  | 6.54  | 7.85  | 9.42  | 9.42  | 11.80 | 14.20 | 17.00 | 18.90 | 23.60 | 28.40 | 35.50 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK140RGU-□ 6GU□K    | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK180RGU-□ 6GU□K    | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6IK200RGU-□ 6GU□K    | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

外形尺寸 Overall Dimension

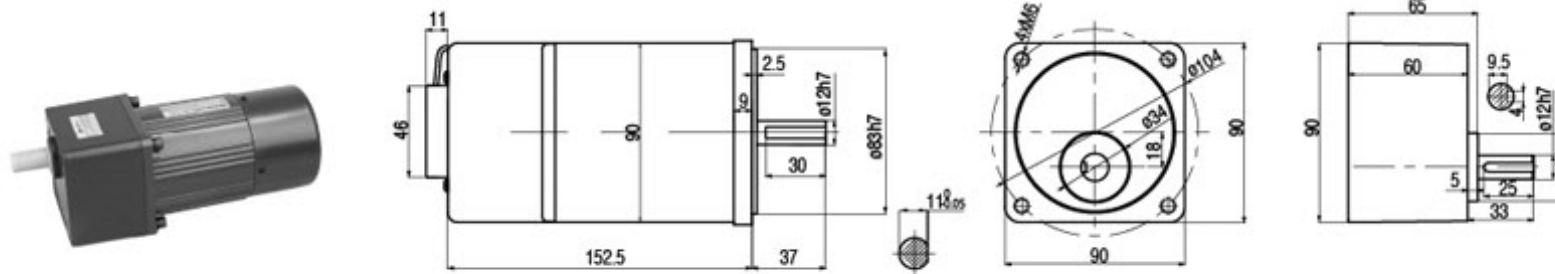
15W



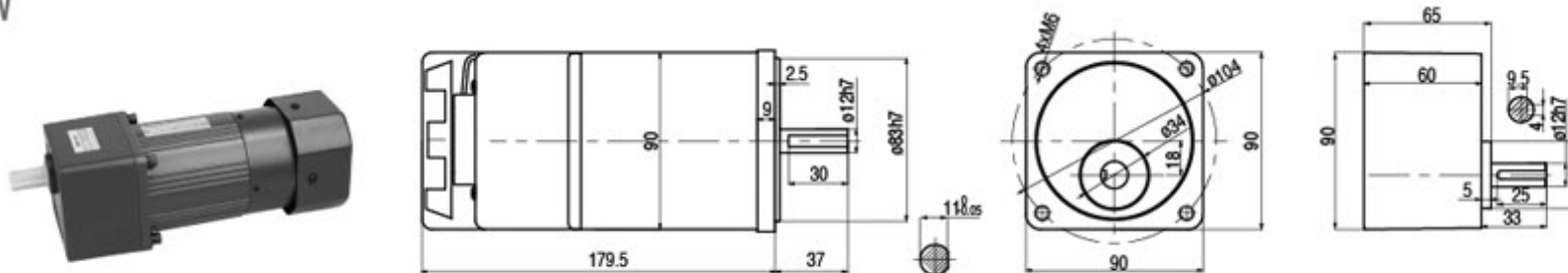
25W



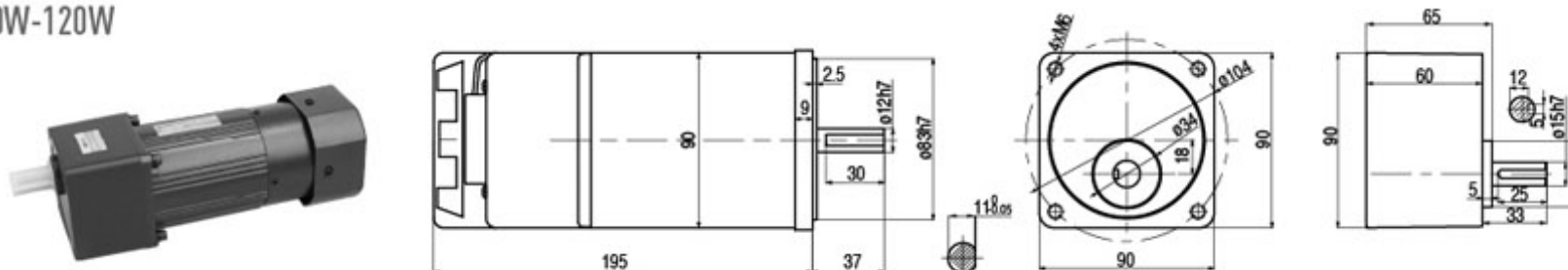
40W



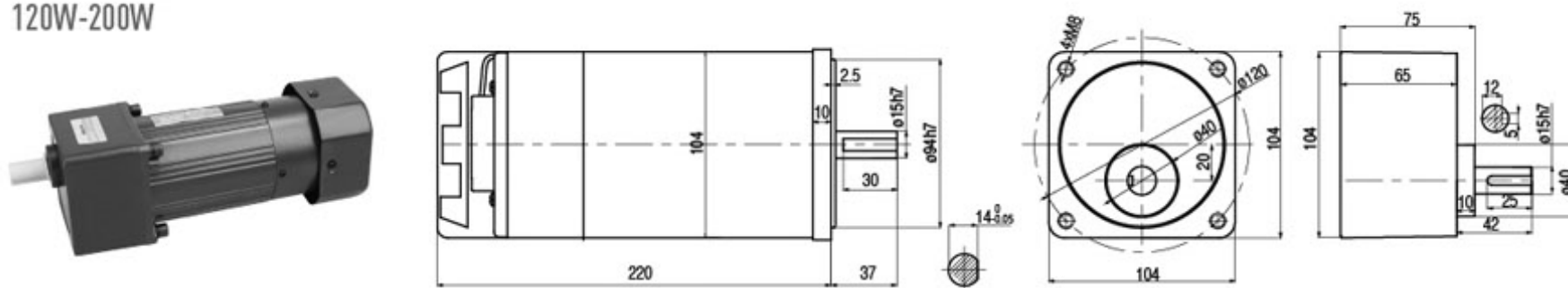
60W



90W-120W



120W-200W



电机特性表 List of Motor Characteristics

| 型号/类型<br>Model / Type       |                             | 额定功率<br>Rated Power | 电压<br>Voltage | 频率<br>Frequency | 极数<br>Poles | 额定转速<br>Rated Speed | 启动转矩<br>Rated Torque | 额定转矩<br>Rated Current | 额定电流<br>Starting Torque | 电容<br>Capacitor |
|-----------------------------|-----------------------------|---------------------|---------------|-----------------|-------------|---------------------|----------------------|-----------------------|-------------------------|-----------------|
| 光轴<br>Round shaft           | 齿轴<br>Pinion shaft          | W                   | V             | Hz              | P           | RPM                 | MN·M                 | MN·M                  | A                       | μf/450V         |
| 3RK15RA-AM                  | 3RK15RGN-AM                 | 15                  | 1ph110        | 50/60           | 4           | 1300                | 0.12                 | 0.11                  | 0.32                    | 6.0             |
| 3RK15RA-CM                  | 3RK15RGN-CM                 | 15                  | 1ph220        | 50/60           | 4           | 1300                | 0.12                 | 0.11                  | 0.17                    | 1.5             |
| 3RK15RA-SM                  | 3RK15RGN-SM                 | 15                  | 3ph220        | 50/60           | 4           | 1300                | 0.14                 | 0.19                  | 0.13                    | /               |
| 3RK15RA-S <sub>3</sub>      | 3RK15RGN-S <sub>3</sub>     | 15                  | 3ph380        | 50/60           | 4           | 1300                | 0.14                 | 0.18                  | 0.11                    | /               |
| 4RK25RA-AM                  | 4RK25RGN-AM                 | 25                  | 1ph110        | 50/60           | 4           | 1350                | 0.17                 | 0.18                  | 0.43                    | 6.0             |
| 4RK25RA-CM                  | 4RK25RGN-CM                 | 25                  | 1ph220        | 50/60           | 4           | 1350                | 0.14                 | 0.18                  | 0.24                    | 2.0             |
| 4RK25RA-SM                  | 4RK25RGN-SM                 | 25                  | 3ph220        | 50/60           | 4           | 1300                | 0.52                 | 0.19                  | 0.25                    | /               |
| 4RK25RA-S <sub>3</sub> M    | 4RK25RGN-S <sub>3</sub> M   | 25                  | 3ph380        | 50/60           | 4           | 1300                | 0.52                 | 0.19                  | 0.14                    | /               |
| 5RK40RA1-AM                 | 5RK40RGN-AM                 | 40                  | 1ph110        | 50/60           | 4           | 1350                | 0.30                 | 0.29                  | 0.68                    | 12.0            |
| 5RK40RA1-CM                 | 5RK40RGN-CM                 | 40                  | 1ph220        | 50/60           | 4           | 1350                | 0.30                 | 0.29                  | 0.35                    | 2.5             |
| 5RK40RA1-SM                 | 5RK40RGN-SM                 | 40                  | 3ph220        | 50/60           | 4           | 1300                | 1.15                 | 0.29                  | 0.38                    | /               |
| 5RK40RA1-S <sub>3</sub> M   | 5RK40RGN-S <sub>3</sub> M   | 40                  | 3ph380        | 50/60           | 4           | 1300                | 1.15                 | 0.29                  | 0.22                    | /               |
| 5RK60RA1-AFM                | 5RK60RGN-AFM                | 60                  | 1ph110        | 50/60           | 4           | 1350                | 0.45                 | 0.44                  | 1.10                    | 12.0            |
| 5RK60RA1-CFM                | 5RK60RGN-CFM                | 60                  | 1ph220        | 50/60           | 4           | 1350                | 0.45                 | 0.44                  | 0.45                    | 3.5             |
| 5RK60RA1-SFM                | 5RK60RGN-SFM                | 60                  | 3ph220        | 50/60           | 4           | 1350                | 1.70                 | 0.46                  | 0.49                    | /               |
| 5RK60RA1-S <sub>3</sub> FM  | 5RK60RGN-S <sub>3</sub> FM  | 60                  | 3ph380        | 50/60           | 4           | 1350                | 1.70                 | 0.46                  | 0.28                    | /               |
| 5RK90RA1-AFM                | 5RK90RGU-AFM                | 90                  | 1ph110        | 50/60           | 4           | 1350                | 0.48                 | 0.64                  | 1.55                    | 18.0            |
| 5RK90RA1-CFM                | 5RK90RGU-CFM                | 90                  | 1ph220        | 50/60           | 4           | 1350                | 0.48                 | 0.64                  | 0.59                    | 5.0             |
| 5RK90RA1-SFM                | 5RK90RGU-SFM                | 90                  | 3ph220        | 50/60           | 4           | 1350                | 2.30                 | 0.66                  | 0.66                    | /               |
| 5RK90RA1-S <sub>3</sub> FM  | 5RK90RGU-S <sub>3</sub> FM  | 90                  | 3ph380        | 50/60           | 4           | 1350                | 2.30                 | 0.66                  | 0.28                    | /               |
| 5RK120RA1-AFM               | 5RK120RGU-AFM               | 120                 | 1ph110        | 50/60           | 4           | 1300                | 0.78                 | 0.90                  | 2.10                    | 18.0            |
| 5RK120RA1-CFM               | 5RK120RGU-CFM               | 120                 | 1ph220        | 50/60           | 4           | 1300                | 0.75                 | 0.87                  | 0.92                    | 6.5             |
| 5RK120RA1-SFM               | 5RK120RGU-SFM               | 120                 | 3ph220        | 50/60           | 4           | 1300                | 3.00                 | 0.87                  | 0.86                    | /               |
| 5RK120RA1-S <sub>3</sub> FM | 5RK120RGU-S <sub>3</sub> FM | 120                 | 3ph380        | 50/60           | 4           | 1300                | 3.00                 | 0.87                  | 0.51                    | /               |
| 5RK180RA1-AFM               | 5RK180RGU-AFM               | 180                 | 1ph110        | 50/60           | 4           | 1350                | 0.97                 | 1.27                  | 2.40                    | 30.0            |
| 5RK180RA1-CFM               | 5RK180RGU-CFM               | 180                 | 1ph220        | 50/60           | 4           | 1350                | 1.12                 | 1.23                  | 1.21                    | 12.0            |
| 5RK180RA1-SFM               | 5RK180RGU-SFM               | 180                 | 3ph220        | 50/60           | 4           | 1350                | 4.50                 | 1.23                  | 0.83                    | /               |
| 5RK180RA1-S <sub>3</sub> FM | 5RK180RGU-S <sub>3</sub> FM | 180                 | 3ph380        | 50/60           | 4           | 1350                | 4.50                 | 1.23                  | 0.59                    | /               |
| 6RK120RA1-AFM               | 6RK120RGU-AFM               | 120                 | 1ph110        | 50/60           | 4           | 1350                | 0.59                 | 0.85                  | 1.90                    | 30.0            |
| 6RK120RA1-CFM               | 6RK120RGU-CFM               | 120                 | 1ph220        | 50/60           | 4           | 1350                | 0.75                 | 0.85                  | 0.88                    | 8.0             |
| 6RK120RA1-SFM               | 6RK120RGU-SFM               | 120                 | 3ph220        | 50/60           | 4           | 1350                | 3.50                 | 0.85                  | 0.89                    | /               |
| 6RK120RA1-S <sub>3</sub> FM | 6RK120RGU-S <sub>3</sub> FM | 120                 | 3ph380        | 50/60           | 4           | 1350                | 3.50                 | 0.85                  | 0.51                    | /               |
| 6RK140RA1-AFM               | 6RK140RGU-AFM               | 140                 | 1ph110        | 50/60           | 4           | 1350                | 0.90                 | 0.99                  | 2.00                    | 30.0            |
| 6RK140RA1-CFM               | 6RK140RGU-CFM               | 140                 | 1ph220        | 50/60           | 4           | 1350                | 0.90                 | 0.099                 | 1.13                    | 8.0             |
| 6RK140RA1-SFM               | 6RK140RGU-SFM               | 140                 | 3ph220        | 50/60           | 4           | 1350                | 3.50                 | 0.99                  | 0.95                    | /               |
| 6RK140RA1-S <sub>3</sub> FM | 6RK140RGU-S <sub>3</sub> FM | 140                 | 3ph380        | 50/60           | 4           | 1350                | 3.50                 | 0.99                  | 0.55                    | /               |
| 6RK180RA1-AFM               | 6RK180RGU-AFM               | 180                 | 1ph110        | 50/60           | 4           | 1350                | 0.63                 | 1.25                  | 1.90                    | 30.0            |
| 6RK180RA1-CFM               | 6RK180RGU-CFM               | 180                 | 1ph220        | 50/60           | 4           | 1350                | 0.81                 | 1.25                  | 1.17                    | 10.0            |
| 6RK180RA1-SFM               | 6RK180RGU-SFM               | 180                 | 3ph220        | 50/60           | 4           | 1350                | 4.60                 | 1.25                  | 0.89                    | /               |
| 6RK180RA1-S <sub>3</sub> FM | 6RK180RGU-S <sub>3</sub> FM | 180                 | 3ph380        | 50/60           | 4           | 1350                | 4.60                 | 1.25                  | 0.51                    | /               |
| 6RK200RA1-AFM               | 6RK200RGU-AFM               | 200                 | 1ph110        | 50/60           | 4           | 1350                | 1.32                 | 1.32                  | 2.80                    | 30.0            |
| 6RK200RA1-CFM               | 6RK200RGU-CFM               | 200                 | 1ph220        | 50/60           | 4           | 1350                | 1.32                 | 1.32                  | 1.25                    | 10.0            |
| 6RK200RA1-SFM               | 6RK200RGU-SFM               | 200                 | 3ph220        | 50/60           | 4           | 1350                | 4.70                 | 1.32                  | 0.95                    | /               |
| 6RK200RA1-S <sub>3</sub> FM | 6RK200RGU-S <sub>3</sub> FM | 200                 | 3ph380        | 50/60           | 4           | 1350                | 4.70                 | 1.32                  | 0.55                    | /               |

●使用电压不同，电容量也不相同。故应与使用电压相对应，正确使用。●不能正确使用是造成故障的主要原因。订货时，在确认使用电压后，选择正确的型号进行订货。  
 ●The capacitor capacitance will be different under different voltage. A correct capacitor capacitance is required to match the applied voltage. ●Wrong capacitor capacitance is the cause of trouble.  
 You must confirm a correct voltage and select a correct model when your purchase order is placed.

装有减速机时的容许转矩 allowable torque with gearbox

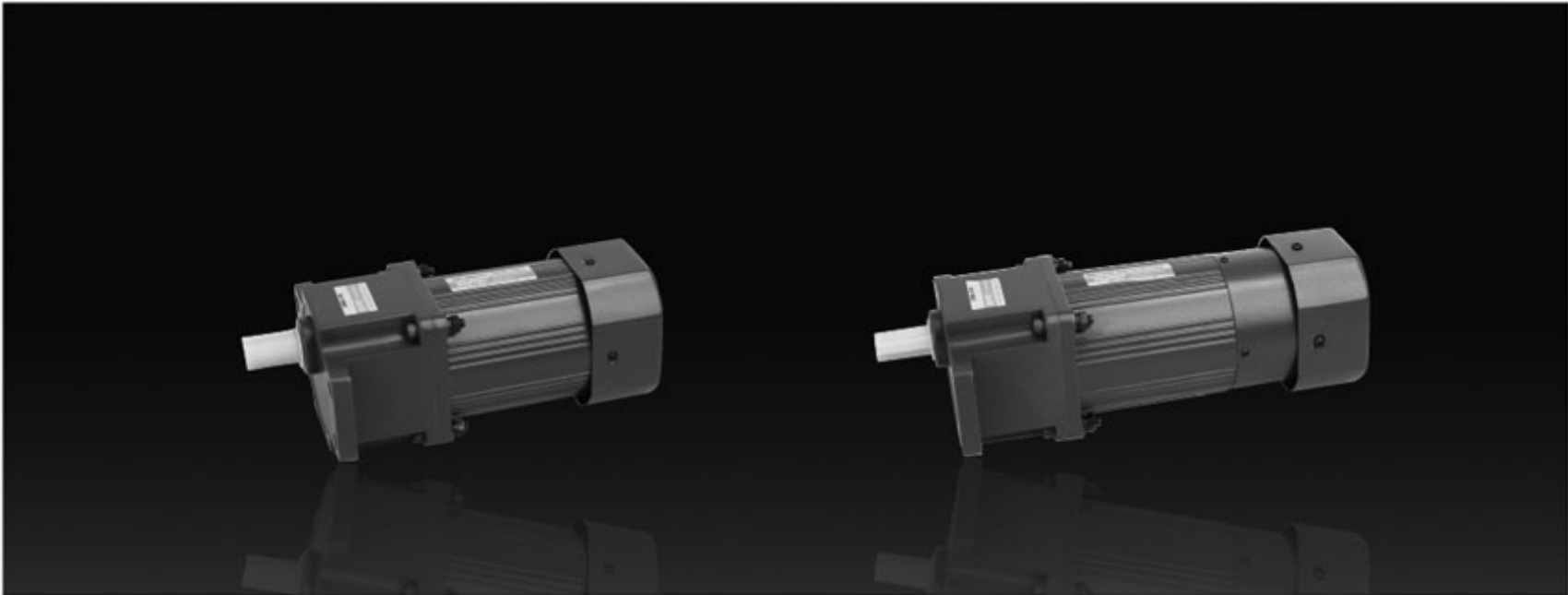
50Hz电机 单位: kgf.cm/N.m

| 转速Output Shaft Speed | 500   | 417   | 300   | 250   | 200   | 166   | 150   | 120   | 100   | 83    | 75    | 60    | 50    | 41    | 37    | 30    | 25    | 20    | 16    | 15    | 12    | 10    | 8     | 7.5   |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3RK15RGN-□ 3GN□K     | 3.4   | 4.1   | 5.7   | 6.8   | 8.5   | 10.2  | 11.3  | 14.2  | 17    | 20.4  | 20.4  | 25.6  | 30.7  | 36.8  | 40.9  | 46.2  | 55.4  | 69.2  | 80    | 80    | 80    | 80    | 80    | 80    |
|                      | 0.333 | 0.402 | 0.559 | 0.666 | 0.833 | 1     | 1.107 | 1.392 | 1.666 | 1.999 | 1.999 | 2.509 | 3.009 | 3.606 | 4.008 | 4.53  | 5.423 | 6.786 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 4RK25RGN-□ 4GN□K     | 5.3   | 6.4   | 8.9   | 10.7  | 13.4  | 16.0  | 17.8  | 22.3  | 26.7  | 32.1  | 32.1  | 40.2  | 48.2  | 57.8  | 64.2  | 72.6  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.519 | 0.627 | 0.872 | 1.049 | 1.313 | 1.568 | 1.744 | 2.185 | 2.617 | 3.146 | 3.146 | 3.940 | 4.724 | 5.664 | 6.292 | 7.115 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5RK40RGN-□ 5GN□K     | 8.3   | 9.9   | 13.8  | 16.5  | 20.7  | 24.8  | 27.5  | 34.4  | 41.3  | 49.6  | 62.1  | 74.5  | 89.4  | 99.3  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.813 | 0.970 | 1.352 | 1.617 | 2.029 | 2.430 | 2.695 | 3.371 | 4.047 | 4.861 | 4.861 | 6.086 | 7.301 | 8.761 | 9.731 | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  | 9.80  |
| 5RK60RGN-□ 5GN□K     | 12.2  | 14.6  | 20.3  | 24.3  | 30.4  | 36.5  | 40.5  | 45.6  | 54.8  | 65.7  | 73.0  | 82.5  | 99.0  | 119.0 | 132.0 | 165.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.196 | 1.431 | 1.989 | 2.381 | 2.989 | 3.577 | 3.969 | 4.469 | 5.370 | 6.439 | 7.154 | 8.085 | 9.702 | 11.66 | 12.94 | 16.17 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK90RGU-□ 5GU□K     | 18.2  | 21.9  | 30.4  | 36.5  | 45.6  | 54.7  | 60.8  | 68.4  | 82.1  | 98.6  | 110.0 | 124.0 | 149.0 | 178.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.784 | 2.145 | 2.979 | 3.577 | 4.469 | 5.361 | 5.958 | 6.703 | 8.046 | 9.663 | 10.78 | 12.15 | 14.60 | 17.44 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK120RGU-□ 5GU□K    | 23.2  | 27.8  | 38.7  | 46.4  | 58.0  | 69.6  | 77.4  | 87.0  | 104.0 | 125.0 | 139.0 | 156.0 | 188.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 2.276 | 2.731 | 3.793 | 4.552 | 5.689 | 6.827 | 7.586 | 8.534 | 10.24 | 12.29 | 13.65 | 15.36 | 18.43 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5RK180RGU-□ 5GU□K    | 34.0  | 41.0  | 57.0  | 68.0  | 85.1  | 102.0 | 113.0 | 128.0 | 153.0 | 184.0 | 204.0 | 230.0 | 278.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 3.336 | 4.021 | 5.590 | 6.672 | 8.341 | 10.01 | 11.12 | 12.55 | 15.01 | 18.04 | 20.02 | 22.56 | 27.26 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6RK120RGU-□ 6GU□K    | 21.0  | 25.3  | 35.1  | 42.1  | 52.6  | 63.2  | 63.2  | 79.1  | 94.9  | 114.0 | 114.0 | 143.0 | 171.0 | 206.0 | 228.0 | 286.0 | 343.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.06  | 2.48  | 3.44  | 4.13  | 5.16  | 6.19  | 6.19  | 7.75  | 9.30  | 11.20 | 11.20 | 14.00 | 16.80 | 20.00 | 22.40 | 28.00 | 33.60 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK140RGU-□ 6GU□K    | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK180RGU-□ 6GU□K    | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK200RGU-□ 6GU□K    | 24.1  | 28.8  | 40.1  | 48.1  | 60.1  | 72.1  | 72.1  | 90.3  | 108.0 | 130.0 | 130.0 | 163.0 | 196.0 | 235.0 | 261.0 | 327.0 | 392.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.36  | 2.83  | 3.93  | 4.71  | 5.89  | 7.07  | 7.07  | 8.85  | 10.60 | 12.70 | 12.70 | 16.00 | 19.20 | 23.00 | 25.60 | 32.00 | 38.40 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

60Hz电机 单位: kgf.cm/N.m

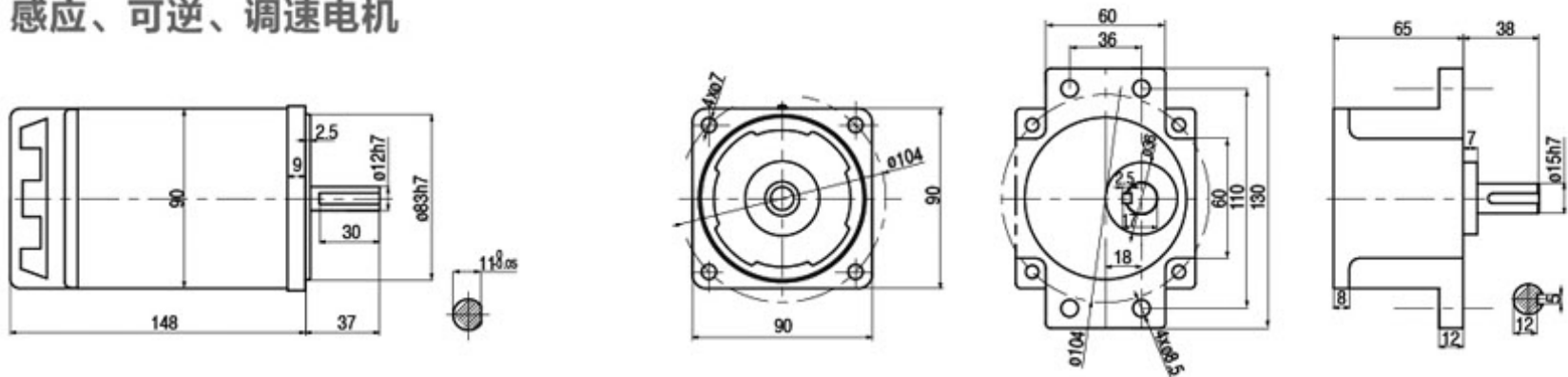
| 转速Output Shaft Speed | 600   | 500   | 360   | 300   | 240   | 200   | 180   | 144   | 120   | 100   | 90    | 72    | 60    | 50    | 45    | 36    | 30    | 24    | 20    | 18    | 15    | 12    | 10    | 9     |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 3RK15RGN-□ 3GN□K     | 2.9   | 3.5   | 4.9   | 5.8   | 7.3   | 8.7   | 9.7   | 12.2  | 14.6  | 17.5  | 17.5  | 21.9  | 26.3  | 31.5  | 35    | 39.6  | 47.5  | 59.4  | 71.3  | 79.2  | 80    | 80    | 80    | 80    |
|                      | 0.284 | 0.343 | 0.481 | 0.568 | 0.715 | 0.853 | 0.951 | 1.196 | 1.432 | 1.715 | 1.715 | 2.416 | 2.577 | 3.087 | 3.43  | 3.883 | 4.658 | 5.825 | 6.992 | 7.767 | 7.84  | 7.84  | 7.84  | 7.84  |
| 4RK25RGN-□ 4GN□K     | 4.4   | 5.2   | 7.3   | 8.7   | 10.9  | 13.1  | 14.6  | 18.2  | 21.9  | 26.2  | 26.3  | 32.9  | 39.4  | 47.3  | 52.6  | 59.4  | 71.3  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  | 80.0  |
|                      | 0.431 | 0.510 | 0.715 | 0.853 | 1.068 | 1.284 | 1.431 | 1.784 | 2.146 | 2.568 | 2.577 | 3.224 | 3.861 | 4.635 | 5.155 | 5.821 | 6.987 | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  | 7.84  |
| 5RK40RGN-□ 5GN□K     | 6.8   | 8.2   | 11.3  | 13.6  | 17.0  | 20.4  | 22.7  | 28.4  | 34.0  | 40.8  | 40.9  | 51.1  | 61.3  | 73.6  | 81.8  | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
|                      | 0.666 | 0.804 | 1.107 | 1.333 | 1.666 | 1.999 | 2.225 | 2.783 | 3.332 | 3.998 | 4.008 | 5.008 | 6.007 | 7.213 | 8.016 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 | 9.800 |
| 5RK60RGN-□ 5GN□K     | 9.7   | 11.7  | 16.2  | 19.4  | 24.3  | 29.2  | 32.4  | 36.5  | 43.8  | 52.6  | 58.4  | 66.0  | 79.2  | 95.0  | 106.0 | 132.0 | 158.0 | 177.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 0.953 | 1.147 | 1.588 | 1.901 | 2.381 | 2.862 | 3.175 | 3.577 | 4.292 | 5.155 | 5.726 | 6.648 | 7.762 | 9.31  | 10.39 | 12.94 | 15.48 | 17.35 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK90RGU-□ 5GU□K     | 14.6  | 17.5  | 24.3  | 29.2  | 36.5  | 43.7  | 48.6  | 54.8  | 65.7  | 78.8  | 87.6  | 99.0  | 119.0 | 143.0 | 158.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.431 | 1.715 | 2.381 | 2.862 | 3.577 | 4.675 | 4.763 | 5.370 | 6.439 | 7.722 | 8.585 | 9.702 | 11.66 | 14.01 | 15.48 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5RK120RGU-□ 5GU□K    | 18.7  | 22.5  | 31.2  | 37.4  | 46.8  | 56.1  | 62.4  | 70.2  | 84.2  | 101.0 | 112.0 | 126.0 | 152.0 | 182.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      | 1.835 | 2.202 | 3.058 | 3.670 | 4.587 | 5.505 | 6.116 | 6.881 | 8.257 | 9.909 | 11.01 | 12.39 | 14.86 | 17.84 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |
| 5RK180RGU-□ 5GU□K    | 28.1  | 34.0  | 47.0  | 57.0  | 71.0  | 84.2  | 94.0  | 105.0 | 126.0 | 152.0 | 168.0 | 189.0 | 227.0 | 273.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 | 300.0 |
|                      | 2.756 | 3.334 | 4.609 | 5.590 | 6.963 | 8.257 | 9.218 | 10.30 | 12.39 | 14.91 | 16.51 | 18.58 | 22.29 | 26.75 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 | 29.42 |
| 6RK120RGU-□ 6GU□K    | 17.8  | 21.3  | 29.6  | 35.5  | 44.4  | 53.3  | 53.3  | 69.7  | 80.0  | 96.1  | 96.1  | 121.0 | 146.0 | 174.0 | 193.0 | 241.0 | 289.0 | 362.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 1.74  | 2.09  | 2.90  | 3.48  | 4.35  | 5.22  | 5.22  | 6.54  | 7.85  | 9.42  | 9.42  | 11.80 | 14.20 | 17.00 | 18.90 | 23.60 | 28.40 | 35.50 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK140RGU-□ 6GU□K    | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK180RGU-□ 6GU□K    | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 169.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |
| 6RK200RGU-□ 6GU□K    | 20.7  | 24.9  | 34.6  | 41.2  | 51.8  | 62.1  | 62.1  | 77.6  | 93.4  | 112.0 | 112.0 | 141.0 | 203.0 | 226.0 | 282.0 | 338.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 | 400.0 |
|                      | 2.03  | 2.44  | 3.39  | 4.06  | 5.08  | 6.09  | 6.09  | 7.60  | 9.15  | 11.00 | 11.00 | 13.80 | 16.60 | 19.90 | 22.10 | 27.60 | 33.10 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 | 39.20 |

GS型带耳朵箱体减速电机GS-Gear Motor

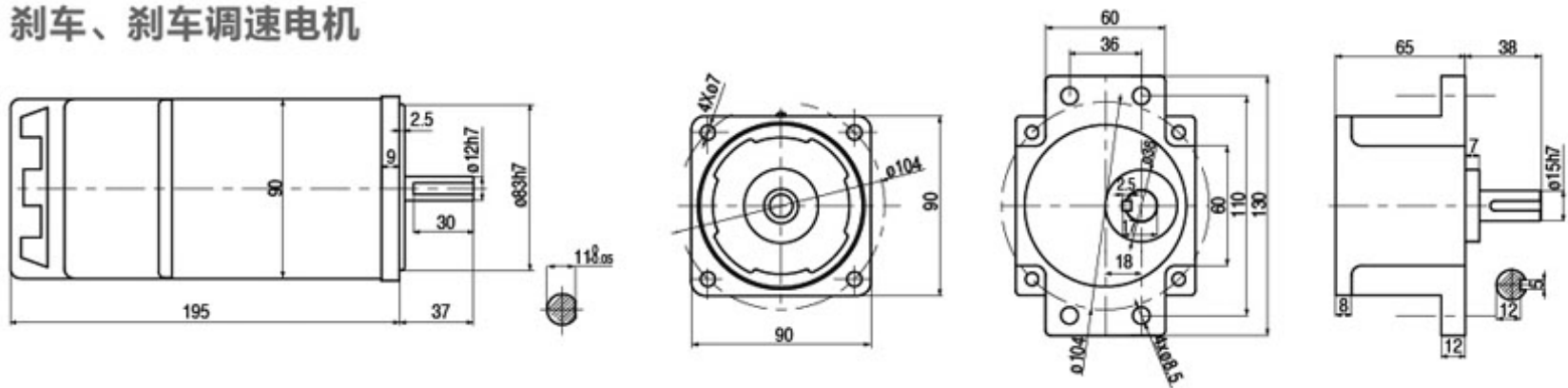


外形尺寸 Overall Dimension

感应、可逆、调速电机



刹车、刹车调速电机

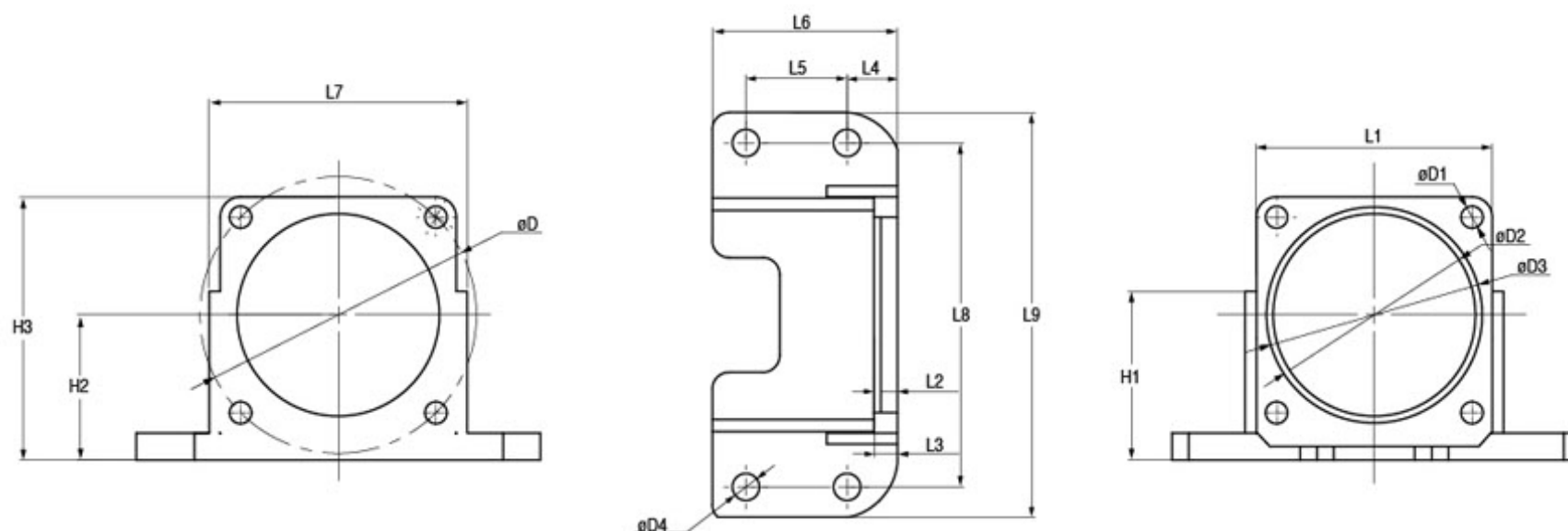


装有减速机时的容许转矩 allowable torque with gearbox

50Hz电机 单位: kgf.cm/N.m

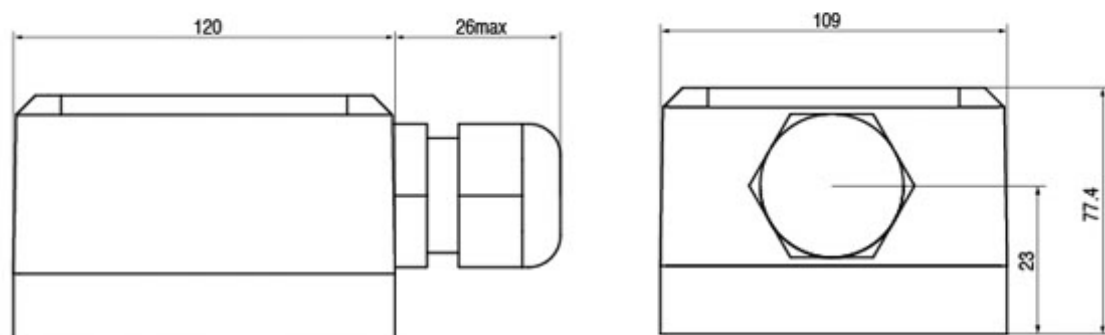
| 转速Output Shaft Speed | 500   | 417   | 300   | 250   | 200   | 166   | 150   | 120   | 100   | 83    | 75    | 60    | 50    | 41    | 37    | 30    | 25    | 20    | 16    | 15    | 12    | 10    | 8     | 7.5   |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 减速比Reduction 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   |
| 5IK90GU-□            | 5GS□K | 18.2  | 21.9  | 30.4  | 36.5  | 45.6  | 54.7  | 60.8  | 68.4  | 82.1  | 98.6  | 110.0 | 124.0 | 149.0 | 178.0 | 198.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      |       | 1.784 | 2.145 | 2.979 | 3.577 | 4.469 | 5.361 | 5.958 | 6.703 | 8.046 | 9.663 | 10.78 | 12.15 | 14.60 | 17.44 | 19.40 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 | 19.60 |
| 5IK120GU-□           | 5GS□K | 23.2  | 27.8  | 38.7  | 46.4  | 58.0  | 69.6  | 77.4  | 87.0  | 104.0 | 125.0 | 139.0 | 156.0 | 188.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 | 200.0 |
|                      |       | 2.276 | 2.731 | 3.793 | 4.552 | 5.689 | 6.827 | 7.586 | 8.534 | 10.24 | 12.29 | 13.65 | 15.36 | 18.43 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 | 19.61 |

安装支架座

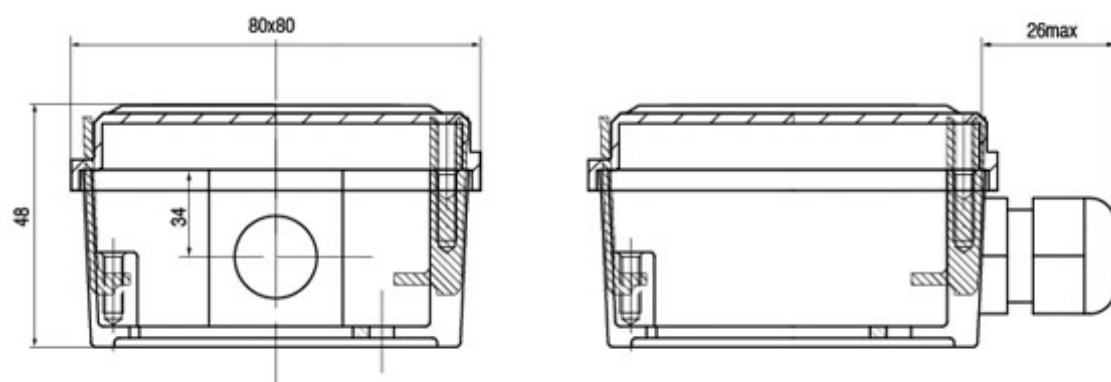


| 尺寸/型号  | D1   | D2 | D3 | D4 | D   | L1  | L2 | L3 | L4 | L5 | L6 | L7    | L8  | L9  | H     | H1    | H2    | H3  |
|--------|------|----|----|----|-----|-----|----|----|----|----|----|-------|-----|-----|-------|-------|-------|-----|
| DPG3M5 | 6.50 | 64 | 60 | 8  | 82  | 70  | 7  | 2  | 15 | 30 | 55 | 76.60 | 102 | 120 | 8     | 50    | 43    | 78  |
| DPG4M5 | 5.50 | 73 | 69 | 10 | 94  | 80  | 7  | 2  | 14 | 35 | 60 | 88    | 102 | 120 | 10    | 58    | 48.50 | 89  |
| DPG5M5 | 7    | 83 | 73 | 7  | 104 | 90  | 7  | 2  | 10 | 40 | 80 | 100   | 115 | 131 | 8     | 52.40 | 51    | 96  |
| DPG6M5 | 8.50 | 95 | 92 | 10 | 120 | 104 | 10 | 2  | 16 | 50 | 75 | 124   | 143 | 159 | 10.50 | 76.50 | 73    | 125 |

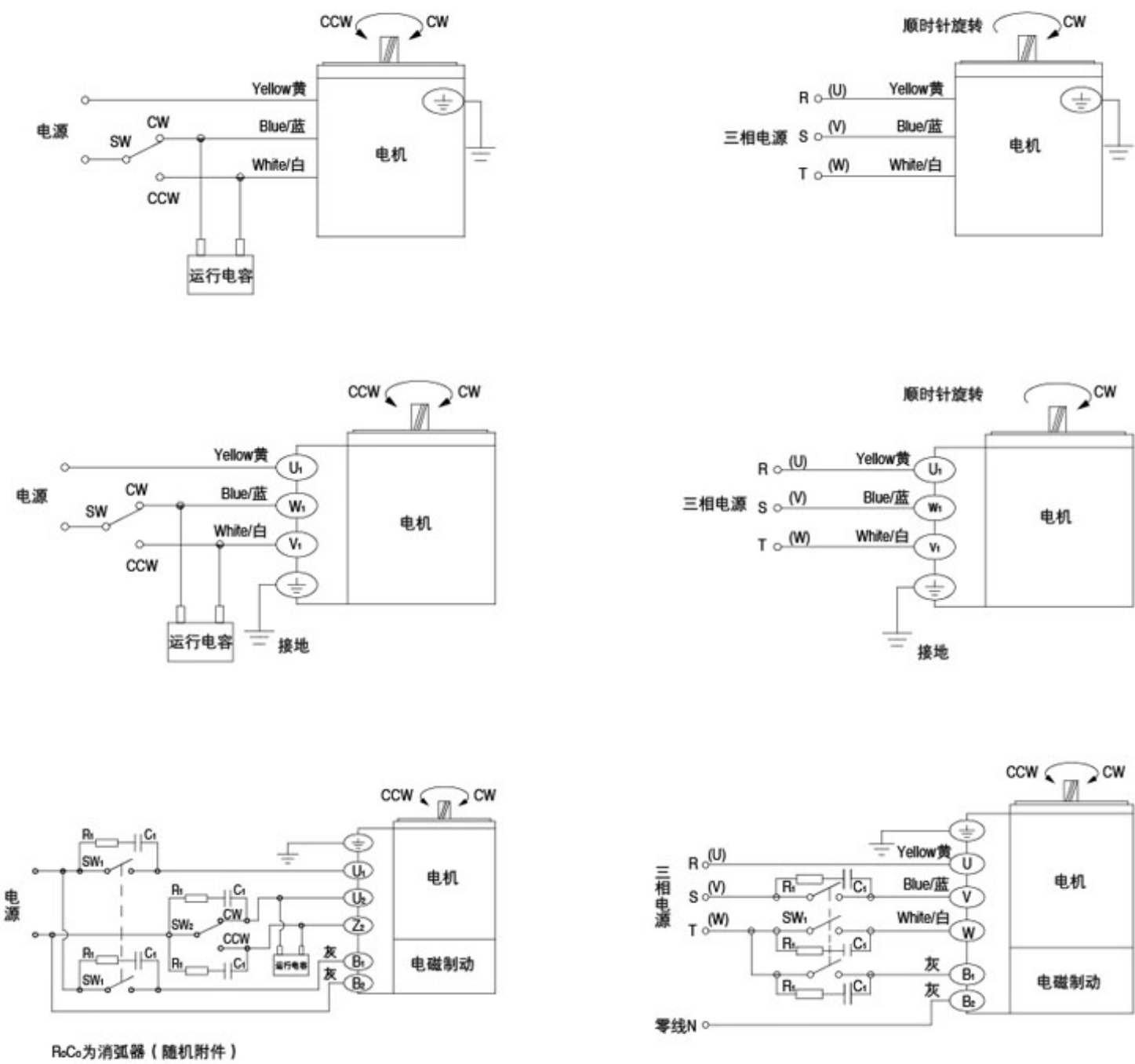
塑料接线盒(适用70、80、90、100电机)



铝制接线盒(适用90、100电机)



接线图 Wiring Diagram



电容器 Capacitor

| 电容容量<br>Capacity $\mu\text{F}$<br>允许偏差 $\pm 5\%$ | 耐压<br>Voltage<br>V | 长<br>$L \pm 1$<br>mm | 宽<br>$W \pm 1$<br>mm | 高<br>$H \pm 1$<br>mm | 类型<br>Type |
|--------------------------------------------------|--------------------|----------------------|----------------------|----------------------|------------|
| 1.5                                              | 500                | 38                   | 14                   | 28                   | 引线型        |
| 2                                                | 500                | 38                   | 15                   | 28                   |            |
| 2.5                                              | 500                | 38                   | 18                   | 29                   |            |
| 3                                                | 500                | 47                   | 18                   | 32                   |            |
| 3.5                                              | 500                | 49                   | 21                   | 29                   |            |
| 5                                                | 500                | 47                   | 23                   | 36                   |            |
| 6                                                | 500                | 47                   | 23                   | 36                   |            |

| 电容容量<br>Capacity $\mu\text{F}$<br>允许偏差 $\pm 5\%$ | 耐压<br>Voltage<br>V | 长<br>$L \pm 1$<br>mm | 宽<br>$W \pm 1$<br>mm | 高<br>$H \pm 1$<br>mm | 类型<br>Type |
|--------------------------------------------------|--------------------|----------------------|----------------------|----------------------|------------|
| 6.5                                              | 500                | 47                   | 23                   | 36                   | 引线型        |
| 8                                                | 500                | 47                   | 26                   | 39                   |            |
| 10                                               | 450                | 58                   | 23                   | 39                   |            |
| 12                                               | 500                | 58                   | 25                   | 45                   |            |
| 18                                               | 250                | 58                   | 23                   | 39                   |            |
| 30                                               | 450                | 68                   | 32                   | 56                   |            |
|                                                  |                    |                      |                      |                      |            |

## 控制器型号说明 Description of Governor Model

U

调速器种类  
Speed Controller TypeU: 组合型  
U: Combination  
S: 分离型  
S: Separation

S

调速器功能  
Speed Controller FunctionS: 速度控制器  
S: Speed Governor

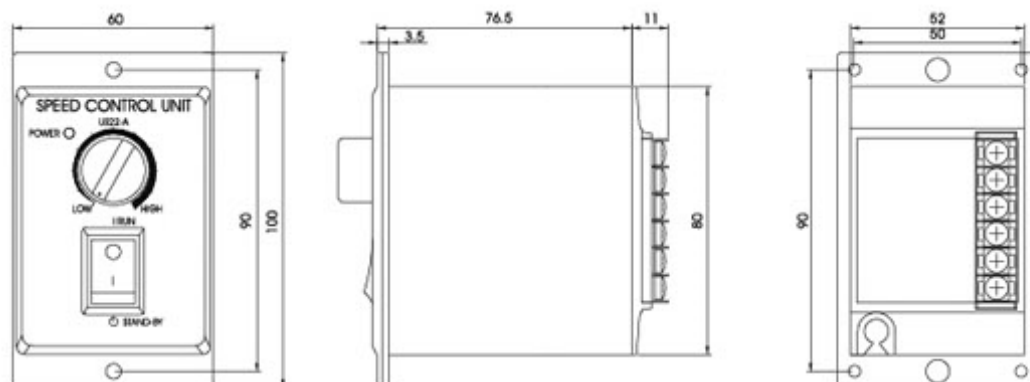
11

电压  
Voltage11: 单相110V50Hz  
11: Single Phase 110V50Hz  
22: 单相220V50Hz  
22: Single Phase 220V50Hz  
33: 数字显示器  
33: Digital Display

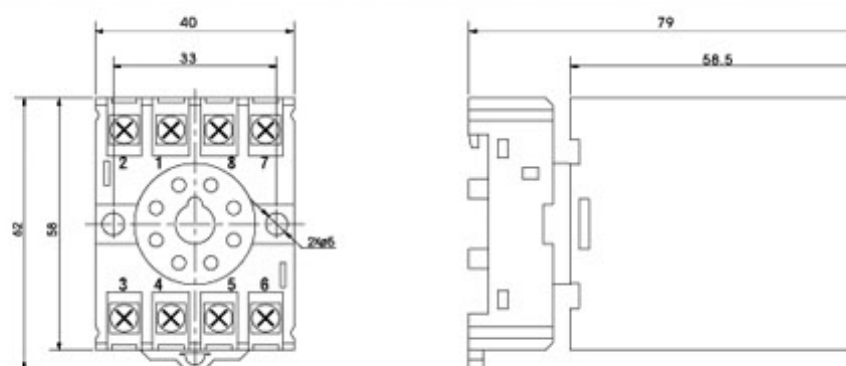
A

电容安装方式  
Capacitor Mounting TypeA: 内置式电容器  
A: Built-In Capacitor  
B: 外置式电容器  
B: External Capacitor

## 组合型 Combination US11、US22 正、反转变速 Clockwise and Anti-clockwise Speed Change



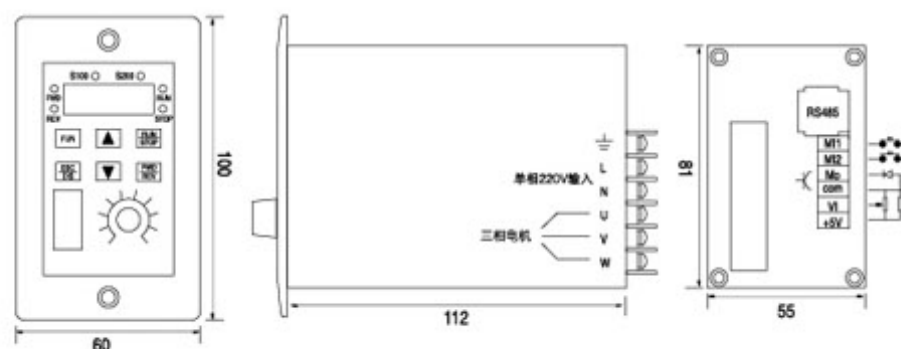
## 分离型 Separation SS11、SS22 正、反转变速 Clockwise and Anti-clockwise Speed Change



## 调速器特性表 List of Speed Governor Characteristics

| 参数Parameter<br>型号Model | 电压(V)<br>Voltage(V) | 频率(Hz)<br>Voltage(Hz) | 最大电流(A)<br>Peak Current(A) | 电机功率(W)<br>Motor Power(W) | 速度范围(r/min)<br>Speed Range(r/min) | 速度变速器<br>Speed Changer | 速度应答器<br>Speed Responder | 速度安定性<br>Speed Stability | 工作环境温度<br>Working Ambient Temperature |
|------------------------|---------------------|-----------------------|----------------------------|---------------------------|-----------------------------------|------------------------|--------------------------|--------------------------|---------------------------------------|
| US11                   | 110V±10%            | 50/60                 | 5                          | 6~140                     | 90/1350                           | 3%                     | (0.5)                    | 优 Excellent              | -10℃ ~ +50℃                           |
| US22                   | 220V±10%            |                       |                            |                           | 90/1650                           |                        |                          |                          |                                       |
| SS11                   | 110V±10%            | 50/60                 | 5                          | 6~140                     | 90/1350                           | 3%                     | (0.5)                    | 优 Excellent              | -10℃ ~ +50℃                           |
| SS22                   | 220V±10%            |                       |                            |                           | 90/1650                           |                        |                          |                          |                                       |
| SS33                   | 110V±10%            | 50/60                 | 5                          | 6~140                     | 90/1350                           | 3%                     | (0.5)                    | 优 Excellent              | -10℃ ~ +50℃                           |
|                        | 220V±10%            |                       |                            |                           | 90/1650                           |                        |                          |                          |                                       |

## 三相变频调速器说明



|           |                                                       |
|-----------|-------------------------------------------------------|
| 输入电压      | 1φ 220VAC+10%                                         |
| 输入频率      | 50~60Hz+10%                                           |
| 输出电压      | 3φ 220VAC                                             |
| 输出频率      | 0~99Hz, 步进0.5Hz(默认50Hz)                               |
| 输出频率来源    | 0. 面板键盘控制<br>1. 面板电位器控制<br>2. 外接电位器<br>3. RS485(PC控制) |
| 频率升降速度    | 1~250Hz/s(默认50Hz/s)                                   |
| 额定输出电流(A) | 1.5A                                                  |
| 容量(W)     | 200W                                                  |
| 控制方式      | 0. 面板键盘 1. RS485(PC控制)<br>2. 外部断口                     |
| 停车方式      | 0. 惯性 1. 减速 2. 制动                                     |



## **格鲁夫机械设备制造有限公司**

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