



# 60MM 6W

## 交流减速 ( 调速 ) 电机 AC Speed reducing motor

### ► Electrical Specifications

| 型号 Model · 类型 Type<br>导线型 Lead Wire Type |                    | 输出功率<br>Output power<br>W | 电压<br>Voltage<br>V | 频率<br>Frequency<br>Hz | 电流<br>Current<br>A | 启动转矩<br>Starting Torque<br>mN.m | 额定转矩<br>Rated Torque<br>mN.m | 额定转速<br>Rated Speed<br>r/min | 电容器容量<br>Capacitor<br>μF |
|------------------------------------------|--------------------|---------------------------|--------------------|-----------------------|--------------------|---------------------------------|------------------------------|------------------------------|--------------------------|
| 齿轮轴型<br>Pinion Shaft                     | 圆轴型<br>Round Shaft |                           |                    |                       |                    |                                 |                              |                              |                          |
| 2IK6GN-A                                 | 2IK6A-A            | 6                         | 1ph 100            | 50                    | 0.240              | 55                              | 48                           | 1200                         | 3.5                      |
|                                          |                    |                           |                    | 60                    | 0.250              | 50                              | 40                           | 1450                         |                          |
| 2IK6GN-E                                 | 2IK6A-E            | 6                         | 1ph 110            | 60                    | 0.160              | 40                              | 40                           | 1450                         | 2.0                      |
|                                          |                    |                           | 1ph 120            |                       | 0.180              |                                 |                              |                              |                          |
| 2IK6GN-C                                 | 2IK6A-C            | 6                         | 1ph 220            | 50                    | 0.130              | 50                              | 48                           | 1200                         | 0.8                      |
|                                          |                    |                           | 1ph 230            |                       | 0.140              |                                 | 40                           | 1450                         |                          |
| 2IK6GN-H                                 | 2IK6A-H            | 6                         | 1ph 220            | 60                    | 0.130              | 55                              | 40                           | 1450                         | 0.8                      |
|                                          |                    |                           | 1ph 230            |                       | 0.140              |                                 |                              |                              |                          |
| 2IK6GN-S                                 | 2IK6A-S            | 6                         | 3ph 220            | 50                    | 0.076              | 85                              | 48                           | 1200                         | -                        |
|                                          |                    |                           |                    | 60                    | 0.065              | 70                              | 40                           | 1450                         |                          |
| 2IK6GN-S3                                | 2IK6A-S3           | 6                         | 3ph 380            | 50                    | 0.044              | 85                              | 48                           | 1200                         | -                        |
|                                          |                    |                           |                    | 60                    | 0.038              | 70                              | 40                           | 1450                         |                          |

- 各种安全规格以电动机铭牌上的型号取得认证。

When the motor is approved under various safety standards, the model name on the nameplate is the approved model name.

- 注：“-A”型号中电压为110V时，配置电容器容量以实际铭牌为准。

Note: "-A" it means the voltage 110V, the assembly capacitor vaule it is according the labe.

### ► Allowance Torque Unit: Upside (N.m)/Belowside (kgf.cm)

| 类型 Type<br>电动机/减速机<br>Motor/Gearhead | 减速比<br>Gear Ratio |      | 3    | 3.6  | 5    | 6    | 7.5  | 9    | 10   | 12.5 | 15   | 18   | 20   | 25   | 30   | 36   | 40   | 50   | 60   | 75   | 90   | 100  | 120  | 150  | 180  | 200  |
|--------------------------------------|-------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
|                                      | 转速<br>Speed r/min | 50Hz | 500  | 417  | 300  | 250  | 200  | 166  | 150  | 120  | 100  | 83   | 75   | 60   | 50   | 41   | 37   | 30   | 25   | 20   | 16   | 15   | 12.5 | 10   | 8.3  | 7.5  |
|                                      |                   | 60Hz | 600  | 500  | 360  | 300  | 240  | 200  | 180  | 144  | 120  | 100  | 90   | 72   | 60   | 50   | 45   | 36   | 30   | 24   | 20   | 18   | 15   | 12   | 10   | 9    |
| 2IK6RGN-A                            | 2GN□K             | 50Hz | 0.12 | 0.14 | 0.19 | 0.23 | 0.29 | 0.35 | 0.39 | 0.49 | 0.58 | 0.70 | 0.75 | 0.88 | 1.10 | 1.30 | 1.39 | 1.60 | 1.90 | 2.40 | 2.90 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 2IK6RGN-E                            |                   |      | 1.22 | 1.43 | 1.94 | 2.35 | 2.96 | 3.57 | 3.98 | 5.00 | 5.92 | 7.14 | 7.65 | 8.98 | 11.2 | 13.3 | 14.2 | 16.3 | 19.4 | 24.5 | 29.6 | 30.0 | 30.0 | 30.0 | 30.0 | 30.0 |
| 2IK6RGN-C                            |                   | 60Hz | 0.10 | 0.12 | 0.16 | 0.19 | 0.24 | 0.29 | 0.32 | 0.41 | 0.49 | 0.58 | 0.62 | 0.73 | 0.88 | 1.10 | 1.15 | 1.30 | 1.60 | 2.00 | 2.40 | 2.60 | 3.00 | 3.00 | 3.00 | 3.00 |
| 2IK6RGN-H                            |                   |      | 1.02 | 1.22 | 1.63 | 1.94 | 2.45 | 2.96 | 3.26 | 4.18 | 5.00 | 5.92 | 6.32 | 7.45 | 8.98 | 11.2 | 11.7 | 13.3 | 16.3 | 20.4 | 24.5 | 2.65 | 30.0 | 30.0 | 30.0 | 30.0 |

- 减速品型号的□中为减速比的数值。

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

- 色表示与电动机同一方向运转，其他则为相反方向。

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

- 转速是以电动机的同步转速（50Hz：1500r/min、60Hz：1800r/min）为基准除以减速比而算出来的数值。实际转速将随负载大小变化所示数值减少2%~20%左右。

The speed is calculated by dividing the motor's synchronous speed (50Hz：1500r/min、60Hz：1800r/min) by the gear ratio. The actual speed is 2%~20% less than the displayed value, depending on the size of the load.

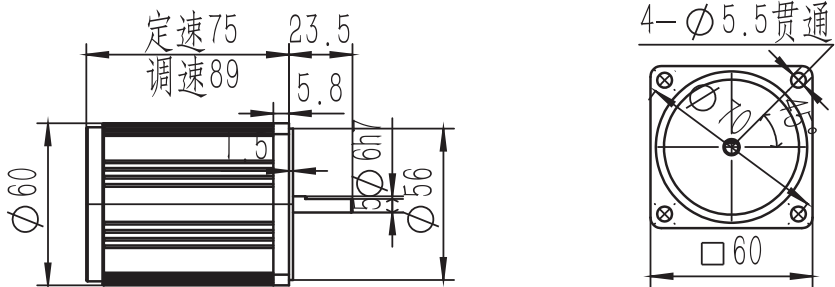
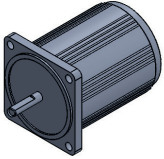
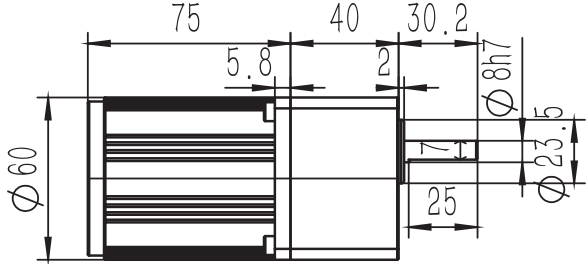
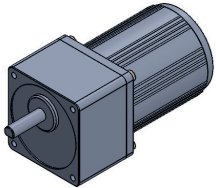
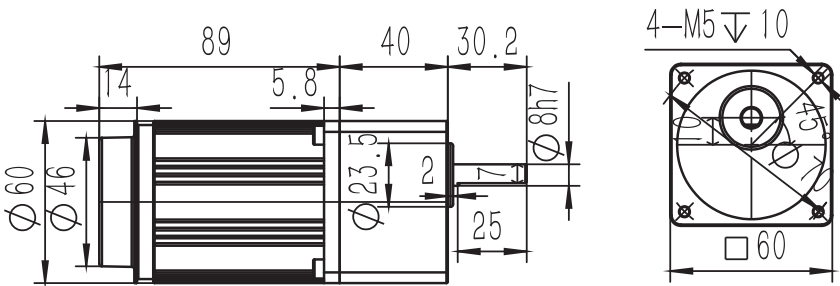
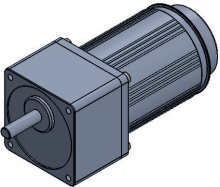
- 希望以大于下表的减速比进行进一步减速时，可在电动机与减速机之间安装减速比为10的中间减速机。这时的容许转矩为3N.m。

To reduce the speed beyond the gear ratio in the table, attach a decimal gearhead (gear ratio:10) between the gearhead and motor. In that case, the permissible torque is 3N.m.

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## ► Motor Mounting Dimension

|                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                       |
|---------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <p>circular shaft motor<br/>圆轴电机</p> <p>2IK6A-C<br/>2IK6RA-C</p>    |  <p>Technical drawing of circular shaft motor. Side view dimensions: total length 89 (75 for fixed speed, 89 for speed reducing), mounting flange width 23.5, shaft diameter <math>\phi 6</math>, mounting flange thickness 5.8, total height <math>\phi 60</math>, mounting flange outer diameter <math>\phi 56</math>, and mounting flange inner diameter <math>\phi 6h7</math>. Front view shows a square mounting flange with side 60 and 4 holes of diameter <math>\phi 5.5</math> (4-<math>\phi 5.5</math> 贯通).</p> |    |
| <p>gear motor<br/>减速电机</p> <p>2IK6GN-C<br/>2GN □ K</p>              |  <p>Technical drawing of gear motor. Side view dimensions: total length 75, mounting flange width 40, mounting flange thickness 30.2, shaft diameter <math>\phi 8h7</math>, mounting flange outer diameter <math>\phi 23.5</math>, mounting flange inner diameter <math>\phi 25</math>, and mounting flange thickness 5.8.</p>                                                                                                                                                                                           |  |
| <p>adjustable-speed motor<br/>调速电机</p> <p>2IK6RGN-C<br/>2GN □ K</p> |  <p>Technical drawing of adjustable-speed motor. Side view dimensions: total length 89 (14 for fixed speed, 89 for speed reducing), mounting flange width 40, mounting flange thickness 30.2, shaft diameter <math>\phi 8h7</math>, mounting flange outer diameter <math>\phi 23.5</math>, mounting flange inner diameter <math>\phi 25</math>, and mounting flange thickness 5.8. Front view shows a square mounting flange with side 60 and 4 holes of diameter M5 (4-M5 <math>\nabla 10</math>).</p>                 |  |