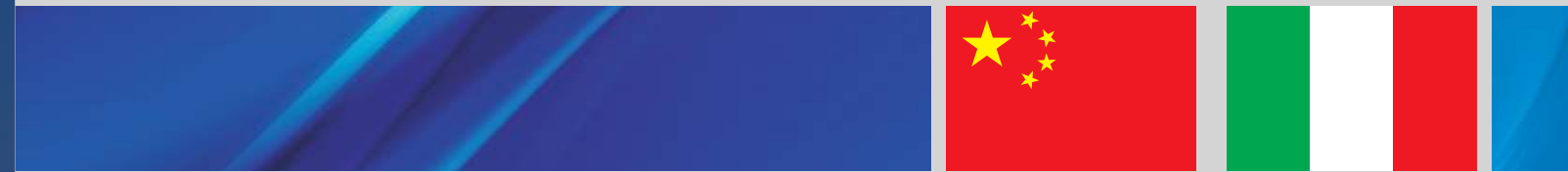


People • Technical • Quality

**HEMM**  
汉姆电机

- Smart Programmable Driver
- Integrated Stepper Servo
- Integrated Brushless DC motor
- Stepper Servo
- Brushless DC Servo
- AC Servo
- Stepper Motor Driver
- Stepper Motor
- Brushless Motor Driver
- DC Brushless MOTOR
- Accessories



**常州汉姆电机有限公司**

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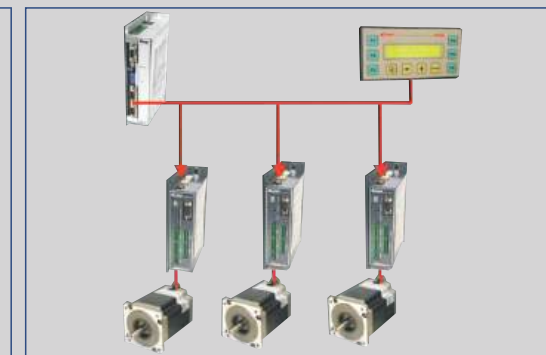
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**电机**  
Motor



**驱动+控制**  
Driver+Control



**方案**  
Solution

**常州汉姆电机有限公司**

ChangZhou High Efficiency Motors CO.,LTD

■ Company Profile

Changzhou High Efficient Motors Co., Ltd is a professional manufacturer integrated with design and R&D, mainly providing stepper motors, DC Brushless motors, drivers and all motor solutions for global customers.

We possess deep strength in design and solutions. As our core, we have a professional engineering team comprising industry experts with talent and advanced technology, in the best effort to supply the most suitable hard and soft resolution of motors, drivers and controlling combination. Our Products are widely used in packaging, labelling, textile machinery, medical machinery, ceramic machining, printing machinery, OA, video monitoring, processing engine, robots and so on.

By focusing on quality and process, we are entirely trusted to supply high qualified, high performed and innovative products to our customers, keep our customers leading in the market.

Our mission is to provide more efficient, more performed products to customers by continuous technological innovation.



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步进驱动器  
STEPPER DRIVE

2 phase  
DC

2 phase  
AC

3 phase  
DC

3 phase  
AC

步进电机  
STEPPER MOTOR

2 phase  
stepper motor

3 phase  
stepper motor

Hercules  
motor

Waterproof  
motor

Encoder  
motor

Brake  
motor

Planetary gearbox  
motor

Outdoor anti-rust  
motor

### Stepper Motors Driver Naming Rule:

$\frac{H}{①}$      $\frac{D}{②}$      $\frac{SD}{③}$      $\frac{2}{④}$      $\frac{4}{⑤}$      $\frac{5}{⑥}$  -  $\frac{R2}{⑦}$

| ①    | ②                        | ③                        | ④             | ⑤                     | ⑥   | ⑦  |
|------|--------------------------|--------------------------|---------------|-----------------------|---|--|
| HEMM | Power Type               | Series                   | Phases Number | Rated Current         | Rated Voltage   | Communication Mode                       |
|      | D:DC power<br>A:AC power | SD:Stepper Motors Driver |               | 1-9:Current Intensity | AC power<br>1: AC110V<br>2: AC220V<br><br>DC power:<br>The number represents the maximum voltage supplied | None: Standard<br>R2: RS232<br>R4: RS485 |

### Step motor drive product parameters:

| Phases Number | Name      | Model   | Current(rms) | Input voltage | Control mode | Microstep selection  | Current selection |
|---------------|-----------|---------|--------------|---------------|--------------|----------------------|-------------------|
| 2 phase       | I-Drive2  | HDSD224 | 0.1-1.5A     | 8-36VDC       | SD           | 16 position (2 or 5) | 16 position       |
|               | I-Drive4  | HDSD245 | 1-4A         | 24-48VDC      | SD           |                      | 8 position        |
|               | I-Drive7  | HDSD278 | 3.2-7A       | 24-80VDC      | SD           |                      | 16 position       |
|               | A5        | HASD252 | 0.5-5A       | AC90-240V     | SD           |                      | 16 position       |
|               | A7        | HASD272 | 1.2-7A       | AC90-240V     | SD           |                      | 16 position       |
| 3 phase       | 3I-Drive4 | HDSD348 | 0.2-3.2A     | 24-80VDC      | SD           | 16 position (2 or 5) | 16 position       |
|               | 3I-Drive7 | HDSD378 | 3.2-7A       | 24-80VDC      | SD           |                      | 16 position       |
|               | 3A5       | HASD352 | 1.2-5A       | AC90-240V     | SD           |                      | 16 position       |
|               | 3A7       | HASD372 | 1.2-7A       | AC90-240V     | SD           |                      | 16 position       |

For detailed specifications, please contact HEMM or download from the website:www.hemotors.com

### Two phase DC stepper drive HDSD224

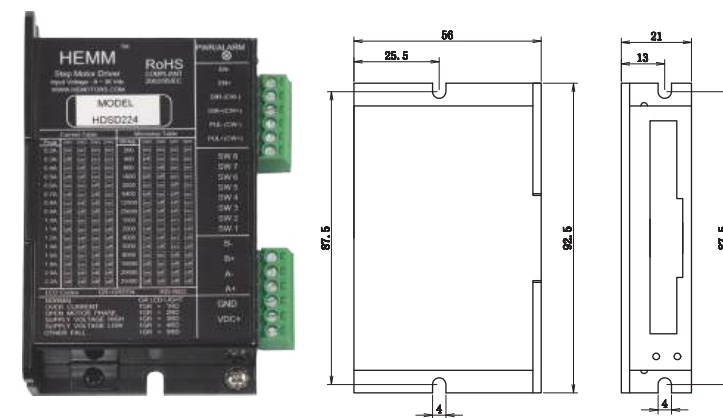
#### Features:

- PID current control, low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 16 settings, The peak current can reach 2.2A;
- Input voltage: 8-36VDC;
- Protection: over voltage, under voltage, over current, open motor winding;
- Optical isolation signal input/output;
- When the stepping pulse stops for more than 1S, the current will be automatically halved and theoretically reduced to 25% when heated.

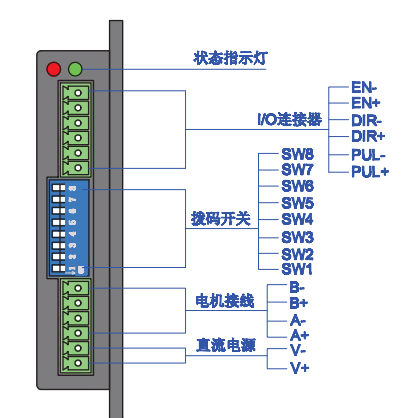
### Electrical specifications

| Parameter                 | Min | Typical | Max | Unit  |
|---------------------------|-----|---------|-----|-------|
| Power supply              | 8   | 24      | 36  | VDC   |
| Output Current            | 0.2 | -       | 2.2 | Apeak |
| Input signal voltage      | 3.3 | -       | 28  | VDC   |
| Current of control signal | 6   | 10      | 16  | mA    |
| Step frequency            | 0   | -       | 300 | KHZ   |

#### Dimensions (unit: mm):



#### Connection interface:



Two phase DC stepper drive HDSD245

Features:

- PID current control, low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 8 settings, The peak current can reach 5.6A;
- Input voltage: 24-48VDC;
- Protection: over voltage, under voltage, over current, open motor winding;
- Optical isolation signal input/output;
- Automatically calculate the system's natural frequency to improves midrange stability;
- At start-up the drive measure motor parameters, including the resistance and inductance, to optimize system performance.

Two phase DC stepper drive HDSD278

Features:

- PID current control, low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 16 settings, The peak current can reach 10A;
- Input voltage: 24-80VDC;
- Protection: over voltage, under voltage, over current, open motor winding;
- Optical isolation signal input/output;
- Automatically calculate the system's natural frequency to improves midrange stability;
- At start-up the drive measure motor parameters, including the resistance and inductance, to optimize system performance.

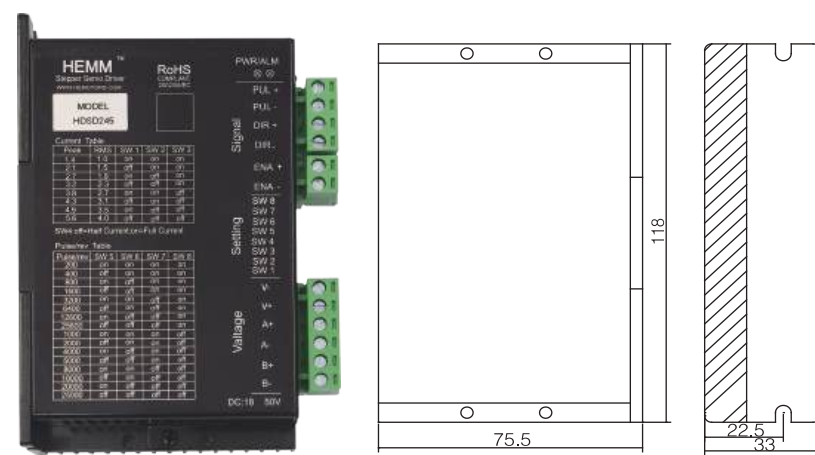
Electrical specifications

| Parameter                 | Min | Typical | Max | Unit  |
|---------------------------|-----|---------|-----|-------|
| Power supply              | 24  | 24      | 48  | VDC   |
| Output Current            | 1.4 | -       | 5.6 | Apeak |
| Input signal voltage      | 3.3 | -       | 24  | VDC   |
| Current of control signal | 6   | 10      | 16  | mA    |
| Step frequency            | 0   | -       | 200 | KHZ   |

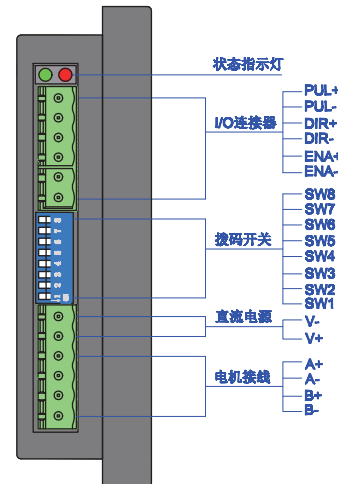
Electrical specifications

| Parameter                 | Min | Typical | Max  | Unit  |
|---------------------------|-----|---------|------|-------|
| Power supply              | 24  | 48      | 80   | VDC   |
| Output Current            | 2.4 | -       | 10   | Apeak |
| Input signal voltage      | 2   | -       | 24   | VDC   |
| Current of control signal | -   | -       | 8.75 | mA    |
| Step frequency            | 0   | -       | 10   | KHZ   |

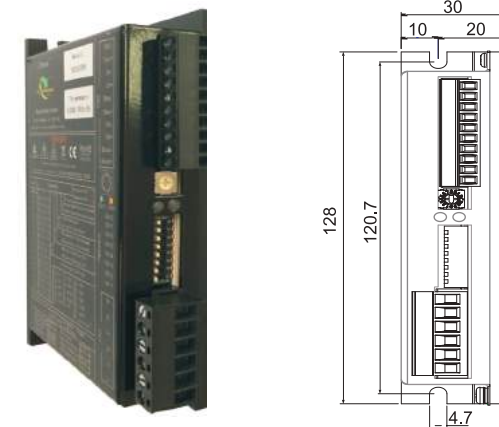
Dimensions (unit: mm):



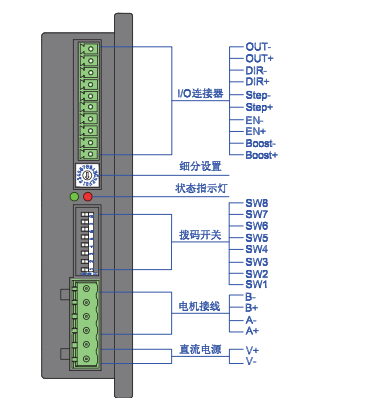
Connection interface:



Dimensions (unit: mm):



Connection interface:



Two phase AC stepper drive HASD252

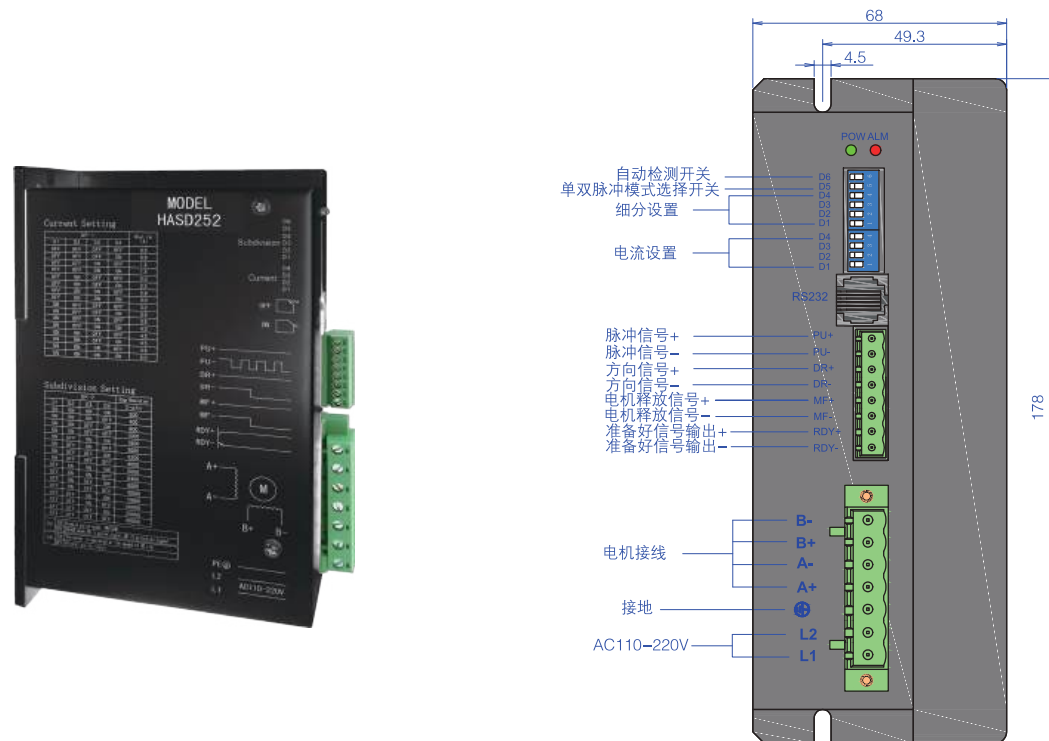
Features:

- Low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 16 settings, The current virtual value can reach 5A
- Input voltage: 90-240VAC
- Protection: over voltage, under voltage, over current, over temperature;
- Optical isolation signal input/output
- Pulse smoothing function makes motor run more smoothly at low speed and the smoothing level can be set;
- At start-up the drive measure motor parameters, including the resistance and inductance, to optimize system performance.
- Automatic idle current halved to reduce heat after stepping pulse stop moving for 100 millisecond.

Electrical specifications

| Parameter                 | Min | Typical | Max | Unit |
|---------------------------|-----|---------|-----|------|
| Power supply              | 90  | 220     | 240 | VAC  |
| Output Current            | 0.5 | -       | 5   | Arms |
| Input signal voltage      | 5   | -       | 24  | VDC  |
| Current of control signal | -   | -       | 10  | mA   |
| Step frequency            | 0   | -       | 150 | KHZ  |

Dimensions(unit:mm)& Connection interface:



Two phase AC stepper drive HASD272

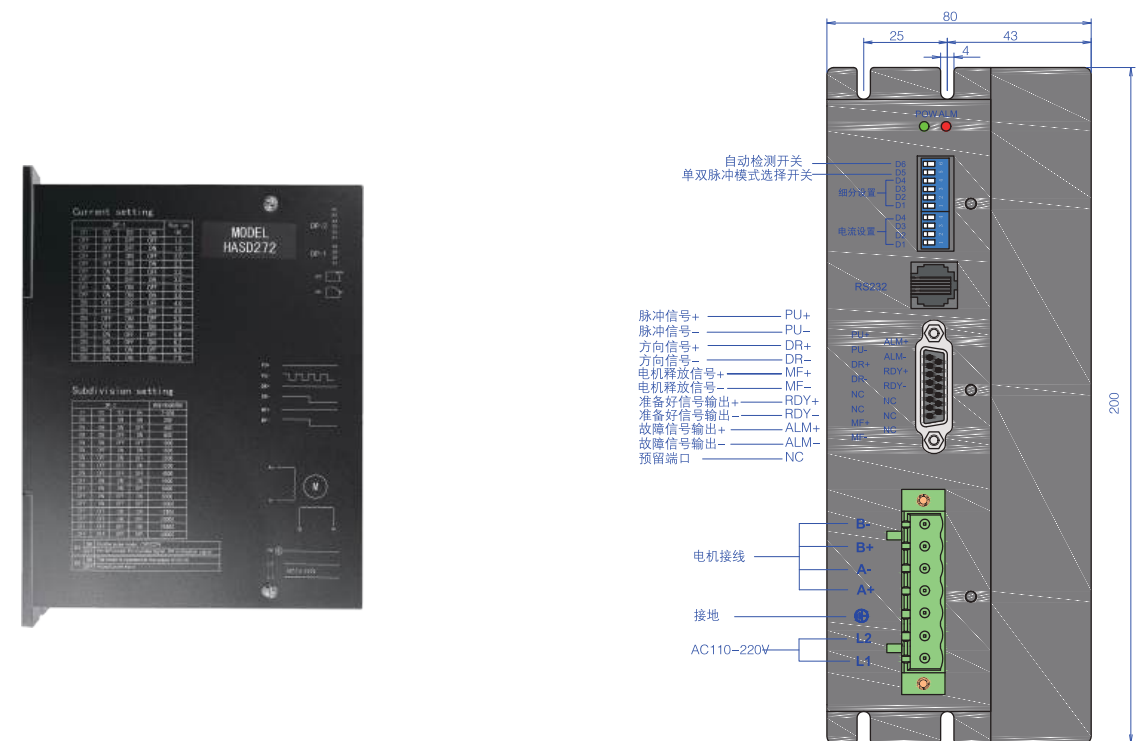
Features:

- Low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 16 settings, The current virtual value can reach 7A
- Input voltage: 90-240VAC
- Protection: over voltage, under voltage, over current, over temperature;
- Optical isolation signal input/output
- Pulse smoothing function makes motor run more smoothly at low speed and the smoothing level can be set;
- At start-up the drive measure motor parameters, including the resistance and inductance, to optimize system performance.
- Automatic idle current halved to reduce heat after stepping pulse stop moving for 100 millisecond.

Electrical specifications

| Parameter                 | Min | Typical | Max | Unit |
|---------------------------|-----|---------|-----|------|
| Power supply              | 90  | 220     | 240 | VAC  |
| Output Current            | 1.2 | -       | 7   | Arms |
| Input signal voltage      | 5   | -       | 24  | VDC  |
| Current of control signal | -   | -       | 10  | mA   |
| Step frequency            | 0   | -       | 500 | KHZ  |

Dimensions(unit:mm)& Connection interface:



Three phase DC stepper drive HDSD358/HDSD3A8

Features:

- PID current control, low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 16 settings;
- Input voltage: 24-80VDC;
- Protection: over voltage, under voltage, over current, open motor winding;
- Optical isolation signal input/output;
- Automatically calculate the system's natural frequency to improve midrange stability;
- At start-up the drive measure motor parameters, including the resistance and inductance, to optimize system performance.

Three phase AC stepper drive HDSD352/HDSD372

Features:

- Advanced DSP control system, low noise, low vibration, low heat;
- The output current of the step drive is set by the DIP switch, there are 16 settings; the microstep resolution is set by DIP switch, there are 16 settings, Maximum resolution 60000 pulses per revolution;
- Input voltage: 110-240VAC
- Protection: over voltage, under voltage, over current, over temperature;
- Optical isolation signal input/output;
- Motor release function and phase memory function can be set;
- Automatic idle current halved to reduce heat after stepping pulse stop moving for 100 millisecond.

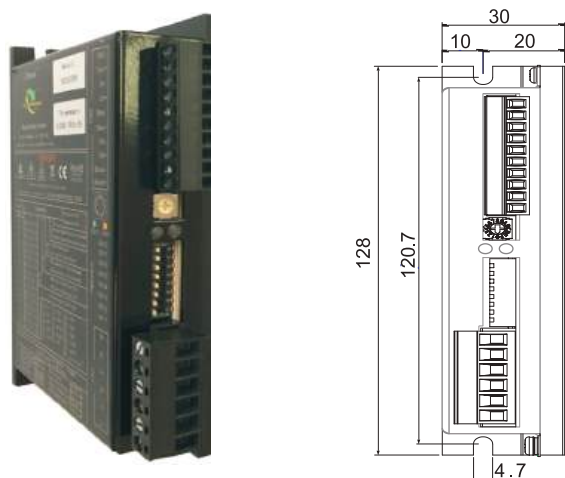
Electrical specifications

| Parameter                 | Min    | Typical | Max | Unit  |
|---------------------------|--------|---------|-----|-------|
| Power supply              | 24     | 48      | 80  | VDC   |
| Output Current            | HSD348 | 0.3     | 4.5 | Apeak |
|                           | HSD378 | 2.4     | 10  |       |
| Input signal voltage      | 5      | -       | 24  | VDC   |
| Current of control signal | -      | -       | 10  | mA    |
| Step frequency            | 0      | -       | 500 | KHZ   |

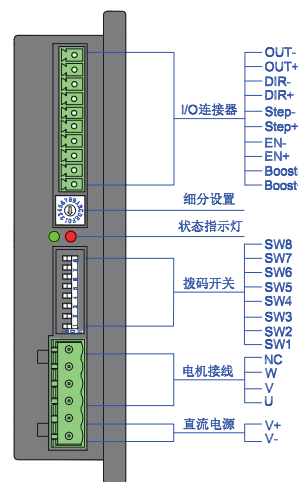
Electrical specifications

| Parameter                 | Min     | Typical | Max | Unit |
|---------------------------|---------|---------|-----|------|
| Power supply              | 110     | 220     | 220 | VAC  |
| Output Current            | HASD352 | 1.2     | 5.0 | Arms |
|                           | HASD372 | 1.2     | 7.0 |      |
| Input signal voltage      | 5       | -       | 24  | VDC  |
| Current of control signal | -       | -       | 10  | mA   |
| Step frequency            | 0       | -       | 200 | KHZ  |

Dimensions(unit:mm)

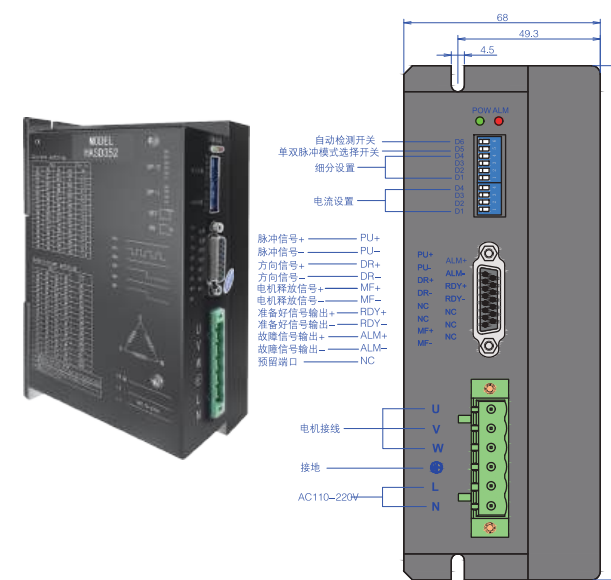


Connection interface:

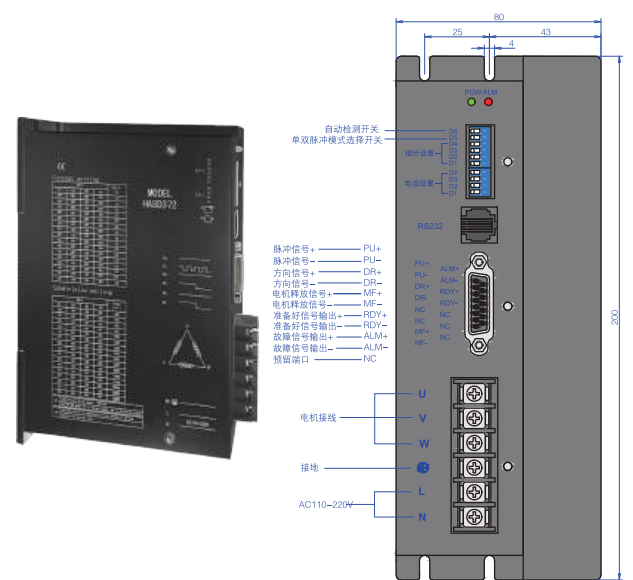


Dimensions(unit:mm)& Connection interface:

HASD352:



HASD372:



步进驱动器  
STEPPER DRIVE

步进驱动器  
STEPPER DRIVE

2 phase DC

2 phase DC

2 phase AC

2 phase AC

3 phase DC

3 phase DC

3 phase AC

3 phase AC

步进电机  
STEPPER MOTOR

步进电机  
STEPPER MOTOR

2 phase stepper motor

2 phase stepper motor

3 phase stepper motor

3 phase stepper motor

Hercules motor

Hercules motor

Waterproof motor

Waterproof motor

Encoder motor

Encoder motor

Brake motor

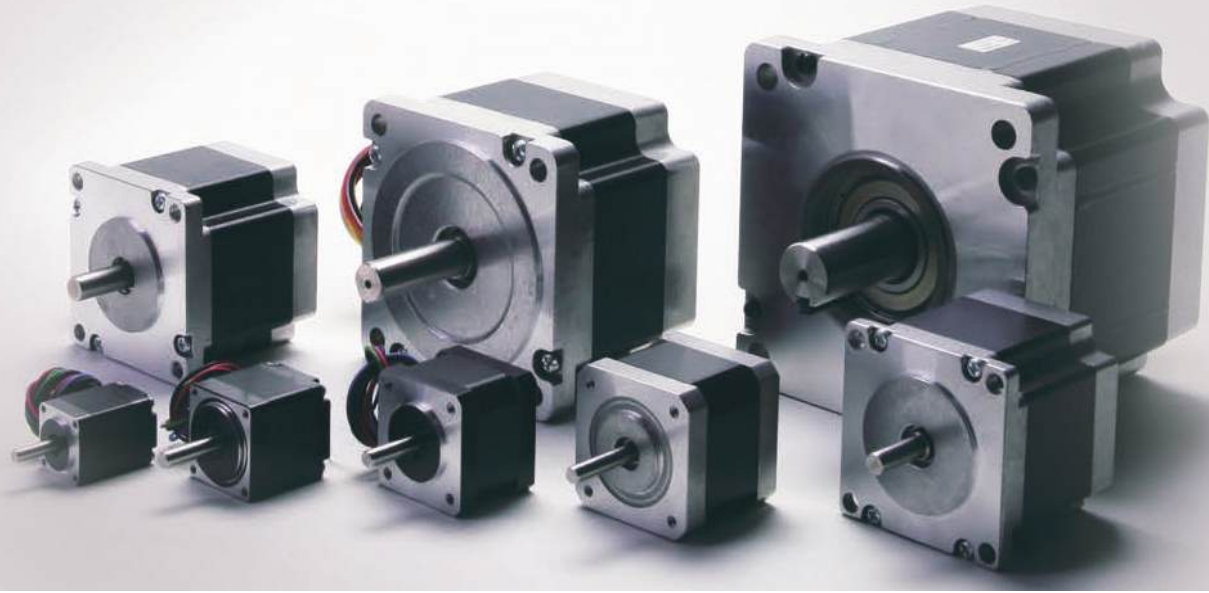
Brake motor

Planetary gearbox motor

Planetary gearbox motor

Outdoor anti-rust motor

Outdoor anti-rust motor



Stepper Motors Naming Rule:

HEM - 23 D 6 8 11 - 01 IP  
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

| ①    | ②           | ③                         | ④      | ⑤                 | ⑥                | ⑦                 | ⑧                             |
|------|-------------|---------------------------|--------|-------------------|------------------|-------------------|-------------------------------|
| HEMM | NEMA flange | Motor type code           | Length | Lead wires number | Performance code | Derivative number | Option and customeration code |
|      | 8 20mm      | C Square 2 phase 0.9step  |        |                   | 0:Connector typ  |                   | IP IP65                       |
|      | 11 28mm     | D Square 2 phase 1.8step  |        |                   | 3:3              |                   | ED Encoder                    |
|      | 14 35mm     | T Square 3 phase 1.2step  |        |                   | 4:4              |                   | PG Planetary gearbox          |
|      | 16 39mm     | F Square 5 phase 0.72step |        |                   | 5:5              |                   | BK Brake                      |
|      | 17 42mm     | R Round 2 phase 0.9step   |        |                   | 6:6              |                   |                               |
|      | 23 57mm     | S Round 2 phase 1.8 step  |        |                   | 8:8              |                   |                               |
|      | 24 60mm     |                           |        |                   |                  |                   |                               |
|      | 34 86mm     |                           |        |                   |                  |                   |                               |
|      | 42 110mm    |                           |        |                   |                  |                   |                               |

Stepper motor total parameter table

| Phases number | Power type | Step angle | NEMA           | Dimension | Model code     | Length(mm)     | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Front axle diameter | Rear axle diameter | Output shaft |        |
|---------------|------------|------------|----------------|-----------|----------------|----------------|----------------------|-------------|------------------|------------------------------------|-------------|---------------------|--------------------|--------------|--------|
| 2 phase       | DC Power   | 1.8°       | 8              | □20       | HEM-8D2001     | 27.2           | 0.017                | 0.4         | 7.0              | 2                                  | 0.06        | φ4*12               | φ4*10              | Single       |        |
|               |            |            |                |           | HEM-8D2001-01  |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            |                | 11        | □28            | HEM-8D4001     | 37.8                 | 0.030       | 0.4              | 11.0                               | 3.6         | 0.075               | φ5*20              | φ5*10        | Single |
|               |            |            |                |           |                | HEM-8D4001-01  |                      |             |                  |                                    |             |                     |                    |              | Double |
|               |            |            |                | 14        | ○36            | HEM-11D2003-02 | 30.1                 | 0.085       | 0.7              | 5.4                                | 9           | 0.10                | φ5*20              | φ5*10        | Single |
|               |            |            |                |           |                | HEM-11D4001    |                      |             |                  |                                    |             |                     |                    |              | Double |
|               |            |            |                | 14        | □35            | HEM-11D4001-01 | 39.2                 | 0.115       | 1.0              | 2.3                                | 12          | 0.15                | φ5*20              | φ5*10        | Single |
|               |            |            |                |           |                | HEM-11D6001    |                      |             |                  |                                    |             |                     |                    |              | Double |
|               |            |            |                | 14        | □35            | HEM-11D6001-01 | 50.4                 | 0.170       | 1.0              | 2.5                                | 22          | 0.22                | φ5*20              | φ5*15        | Single |
|               |            |            |                |           |                | HEM-14S04A1    |                      |             |                  |                                    |             |                     |                    |              | Double |
|               |            |            | 14             | □35       | HEM-14S24A1    | 13.5           | 0.04                 | 0.3         | 16.5             | 7.3                                | 0.04        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-14S34A1    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-14D1001    | 16.6           | 0.10                 | 0.3         | 18.0             | 13.5                               | 0.06        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-14D4001    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-14D4001-01 | 19.7           | 0.10                 | 0.4         | 11.0             | 19.6                               | 0.10        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-14D6001    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-17D2012-08 | 42.3           | 0.26                 | 1.0         | 3.6              | 27                                 | 0.23        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-17D2012-10 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-17D4002-18 | 51.7           | 0.42                 | 1.0         | 3.7              | 40                                 | 0.3         | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-17D4002-20 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-17D6419-03 | 33.7           | 0.34                 | 1.2         | 2.4              | 40                                 | 0.21        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-17D6419-04 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-17D8403-20 | 39.7           | 0.44                 | 1.2         | 3.0              | 57                                 | 0.28        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-17D8403-22 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-17D8403-22 | 47.7           | 0.60                 | 1.8         | 2.3              | 82                                 | 0.36        | φ5*20               | φ5*15              | Single       |        |
|               |            |            |                |           | HEM-17D8403-22 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-23D1405-03 | 59.7           | 0.85                 | 1.8         | 2.8              | 128                                | 0.61        | φ6.35*20.6          | φ6.35*15.5         | Single       |        |
|               |            |            |                |           | HEM-23D1405-05 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-23D4404-18 | 42             | 0.85                 | 3.0         | 0.55             | 170                                | 0.42        | φ6.35*20.6          | φ6.35*15.5         | Single       |        |
|               |            |            |                |           | HEM-23D4404-20 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-23D6406-08 | 53             | 1.2                  | 4.0         | 0.39             | 280                                | 0.55        | φ6.35*20.6          | φ6.35*15.5         | Single       |        |
|               |            |            |                |           | HEM-23D6406-10 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-23D9401-03 | 77             | 2.2                  | 4.0         | 0.50             | 480                                | 1.0         | φ8*20.6             | φ8*15.5            | Single       |        |
|               |            |            |                |           | HEM-23D9401-06 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-24D2001    | 112.5          | 4.0                  | 4.0         | 1.1              | 800                                | 1.5         | φ8*20.6             | φ8*15.5            | Single       |        |
|               |            |            |                |           | HEM-24D2001-02 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-24D5007    | 56             | 1.5                  | 4.0         | 0.43             | 280                                | 0.6         | φ8*20.6             | φ8*15.5            | Single       |        |
|               |            |            |                |           | HEM-24D5007-01 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-24D7001    | 87             | 3.0                  | 4.0         | 0.60             | 900                                | 1.4         | φ8*20.6             | φ8*15.5            | Single       |        |
|               |            |            |                |           | HEM-24D7001-01 |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-34D04A1    | 118            | 4.8                  | 4.0         | 1.0              | 1360                               | 1.9         | φ12.7*37            | φ12.7*34           | Single       |        |
|               |            |            |                |           | HEM-34D04B1    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-34D24A1    | 67.5           | 4.5                  | 6.0         | 0.24             | 950                                | 1.6         | φ12.7*37            | φ12.7*34           | Single       |        |
|               |            |            |                |           | HEM-34D24B1    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-34D44A1    | 96.5           | 8.5                  | 6.0         | 0.33             | 1850                               | 2.7         | φ14*37              | φ14*34             | Single       |        |
|               |            |            |                |           | HEM-34D44B1    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-34D64A1    | 125.5          | 11.7                 | 6.0         | 0.55             | 2775                               | 3.8         | φ14*37              | φ14*34             | Single       |        |
|               |            |            |                |           | HEM-34D64B1    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               |            |            | 14             | □35       | HEM-42D14A1    | 158.5          | 15.2                 | 6.0         | 0.55             | 3400                               | 5.7         | φ19*35              | φ19*28             | Single       |        |
|               |            |            |                |           | HEM-42D14B1    |                |                      |             |                  |                                    |             |                     |                    | Double       |        |
|               | 14         | □35        | HEM-42D34A1    | 99        | 9.9            | 6.0            | 0.44                 | 5600        | 5.3              | φ19*35                             | φ19*28      | Single              |                    |              |        |
|               |            |            | HEM-42D34B1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-42D54A1    | 149       | 19.8           | 6.0            | 0.66                 | 11000       | 8.7              | φ19*35                             | φ19*28      | Single              |                    |              |        |
|               |            |            | HEM-42D54B1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-14R04A1    | 199       | 28.3           | 6.0            | 0.99                 | 16400       | 12               | φ5*20                              | φ5*15       | Single              |                    |              |        |
|               |            |            | HEM-14R24A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-14R34A1    | 13.5      | 0.04           | 0.3            | 16.5                 | 7.3         | 0.06             | φ5*20                              | φ5*15       | Single              |                    |              |        |
|               |            |            | HEM-17C2001    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-17C2001-01 | 16.6      | 0.06           | 0.3            | 18.0                 | 13.5        | 0.08             | φ5*20                              | φ5*15       | Single              |                    |              |        |
|               |            |            | HEM-17C4001    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-17C4001-01 | 33.7      | 0.28           | 1.2            | 2.4                  | 40          | 0.21             | φ5*20                              | φ5*15       | Single              |                    |              |        |
|               |            |            | HEM-17C6001    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-17C6001-01 | 39.7      | 0.34           | 1.2            | 3.0                  | 57          | 0.28             | φ6.35*20.6                         | φ6.35*16    | Single              |                    |              |        |
|               |            |            | HEM-23C1001    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-23C1001-01 | 42        | 0.60           | 3.0            | 0.55                 | 170         | 0.42             | φ6.35*20.6                         | φ6.35*16    | Single              |                    |              |        |
|               |            |            | HEM-23C4002-02 |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-23C4002-03 | 53        | 1.10           | 3.0            | 0.80                 | 280         | 0.55             | φ8*20.6                            | φ8*16       | Single              |                    |              |        |
|               |            |            | HEM-23C6001-02 |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-23C6001-03 | 77        | 1.75           | 3.0            | 1.15                 | 480         | 1.0              | φ8*20.6                            | φ8*16       | Single              |                    |              |        |
|               |            |            | HEM-17T23A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-17T23B1    | 33.7      | 0.24           | 2.5            | 1.3                  | 40          | 0.21             | φ5*20                              | φ5*15       | Single              |                    |              |        |
|               |            |            | HEM-17T43A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-17T43B1    | 39.7      | 0.34           | 2.5            | 1.5                  | 57          | 0.28             | φ5*20                              | φ5*15       | Single              |                    |              |        |
|               |            |            | HEM-17T63A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-17T63B1    | 47.7      | 0.45           | 2.5            | 1.9                  | 82          | 0.36             | φ8*20.6                            | φ8*16       | Single              |                    |              |        |
|               |            |            | HEM-23T13A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-23T13B1    | 42        | 0.5            | 5.8            | 0.34                 | 170         | 0.42             | φ8*20.6                            | φ8*16       | Single              |                    |              |        |
|               |            |            | HEM-23T43A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-23T43B1    | 53        | 0.8            | 5.8            | 0.45                 | 280         | 0.55             | φ8*20.6                            | φ8*16       | Single              |                    |              |        |
|               |            |            | HEM-23T63A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-23T63B1    | 77        | 1.5            | 5.8            | 0.50                 | 480         | 1.0              | φ8*20.6                            | φ8*16       | Single              |                    |              |        |
|               |            |            | HEM-24T13A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-24T13B1    | 42        | 0.55           | 5.8            | 0.35                 | 170         | 0.42             | φ8*20.6                            | φ8*15.5     | Single              |                    |              |        |
|               |            |            | HEM-24T33A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-24T33B1    | 53        | 0.90           | 5.8            | 0.42                 | 280         | 0.8              | φ8*20.6                            | φ8*15.5     | Single              |                    |              |        |
|               |            |            | HEM-24T73A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-24T73B1    | 83        | 1.7            | 5.8            | 0.70                 | 480         | 1.25             | φ12.7*37                           | φ12.7*34    | Single              |                    |              |        |
|               |            |            | HEM-34T03A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-34T03B1    | 67.5      | 2.5            | 6.0            | 0.33                 | 950         | 1.88             | φ12.7*37                           | φ12.7*34    | Single              |                    |              |        |
|               |            |            | HEM-34T23A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-34T23B1    | 96.5      | 5.5            | 6.0            | 0.50                 | 1850        | 3.0              | φ14*37                             | φ14*34      | Single              |                    |              |        |
|               |            |            | HEM-34T43A1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |
|               | 14         | □35        | HEM-34T43B1    | 125.5     | 6.8            | 6.0            | 0.80                 | 2775        | 4.25             | φ14*37                             | φ14*34      | Single              |                    |              |        |
|               |            |            | HEM-34T43B1    |           |                |                |                      |             |                  |                                    |             | Double              |                    |              |        |



步进驱动器  
STEPPER DRIVE

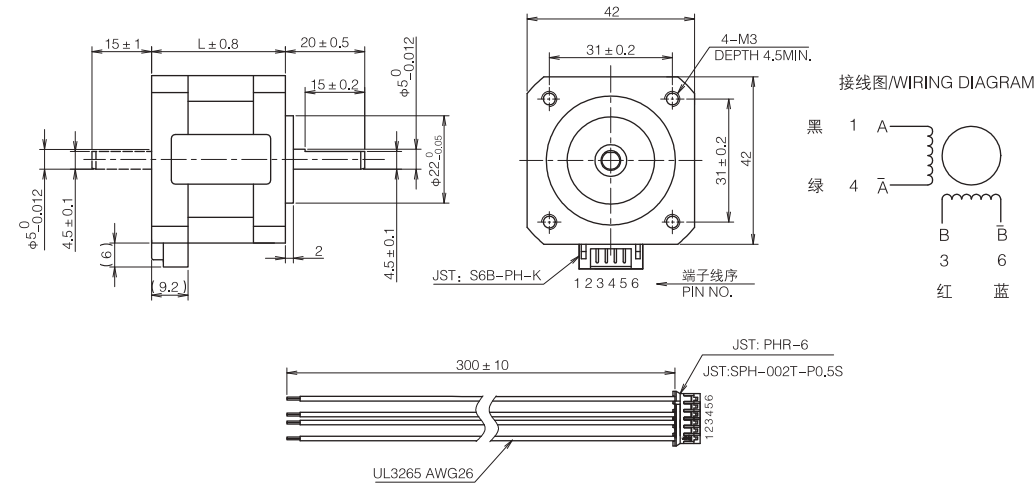
HEM-17D(□42) 2phase 1.8°



Parameters:

| Model code     | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (kg) | Length(mm) | Output shaft |
|----------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-17D2012-08 | 0.34                 | 1.2         | 2.4              | 40                                 | 0.21        | 33.7       | Single       |
| HEM-17D2012-10 |                      |             |                  |                                    |             |            | Double       |
| HEM-17D4002-18 | 0.44                 | 1.2         | 3.0              | 57                                 | 0.28        | 39.7       | Single       |
| HEM-17D4002-20 |                      |             |                  |                                    |             |            | Double       |
| HEM-17D6419-03 | 0.60                 | 1.8         | 2.3              | 82                                 | 0.36        | 47.7       | Single       |
| HEM-17D6419-04 |                      |             |                  |                                    |             |            | Double       |
| HEM-17D8403-20 | 0.85                 | 1.8         | 2.8              | 128                                | 0.61        | 59.7       | Single       |
| HEM-17D8403-22 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-17D



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

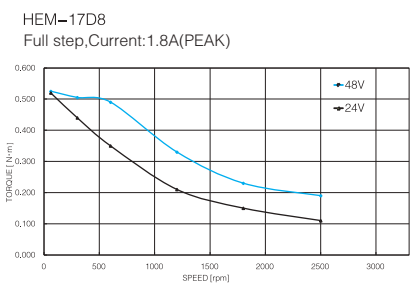
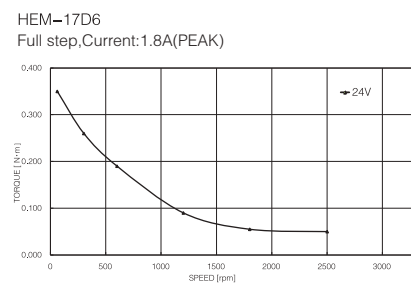
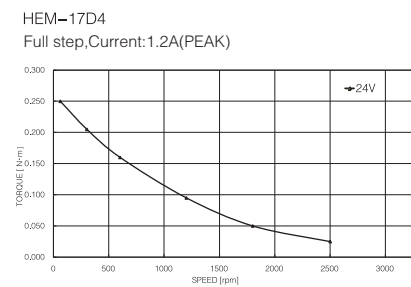
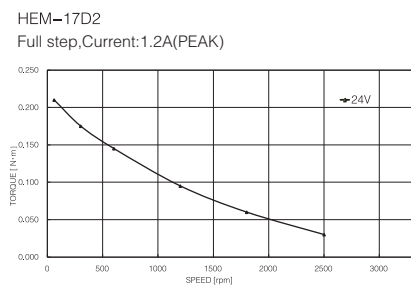
Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

Torque speed curves



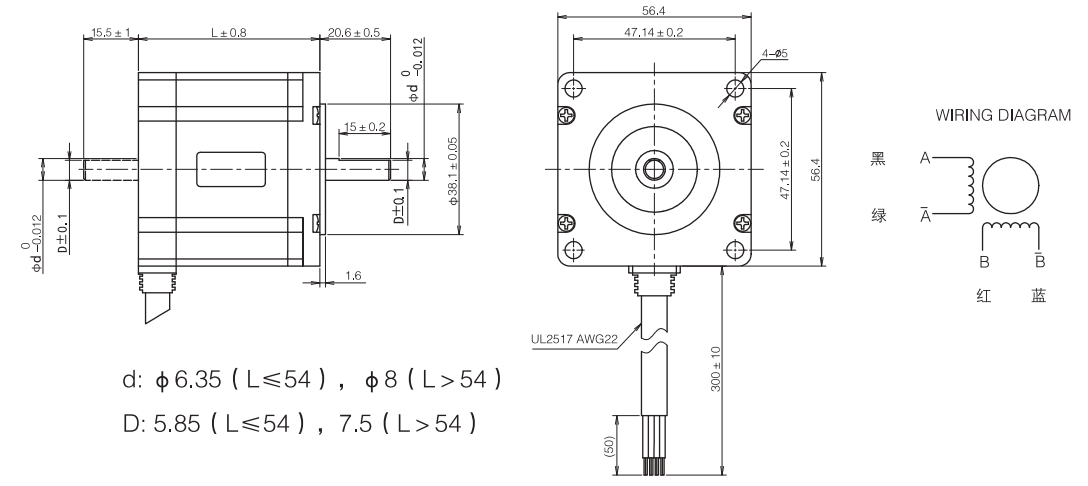
HEM-23D(□57) 2phase 1.8°



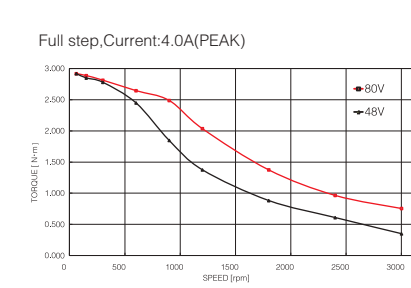
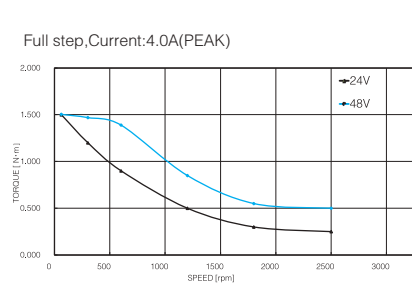
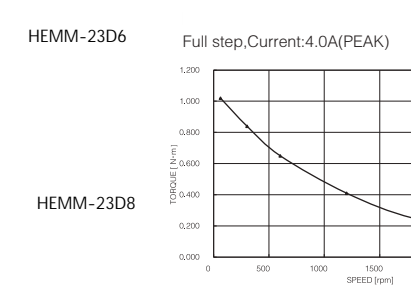
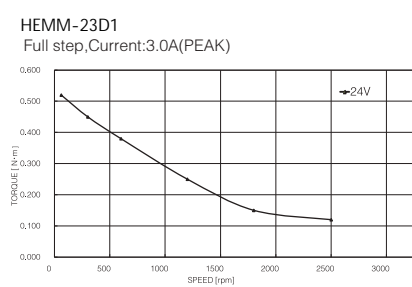
Parameters:

| Model code     | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|----------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-23D1405-03 | 0.85                 | 3.0         | 0.55             | 170                                | 0.42        | 42         | Single       |
| HEM-23D1405-05 |                      |             |                  |                                    |             |            | Double       |
| HEM-23D4404-18 | 1.2                  | 4.0         | 0.39             | 280                                | 0.55        | 53         | Single       |
| HEM-23D4404-20 |                      |             |                  |                                    |             |            | Double       |
| HEM-23D6406-08 | 2.2                  | 4.0         | 0.50             | 480                                | 1.0         | 77         | Single       |
| HEM-23D6406-10 |                      |             |                  |                                    |             |            | Double       |
| HEM-23D9401-03 | 4.0                  | 4.0         | 1.1              | 800                                | 1.5         | 112.5      | Single       |
| HEM-23D9401-06 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-23D



Torque speed curves



步进驱动器  
STEPPER DRIVE

2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

步进驱动器  
STEPPER DRIVE

HEM-24D(□60) 2phase 1.8°

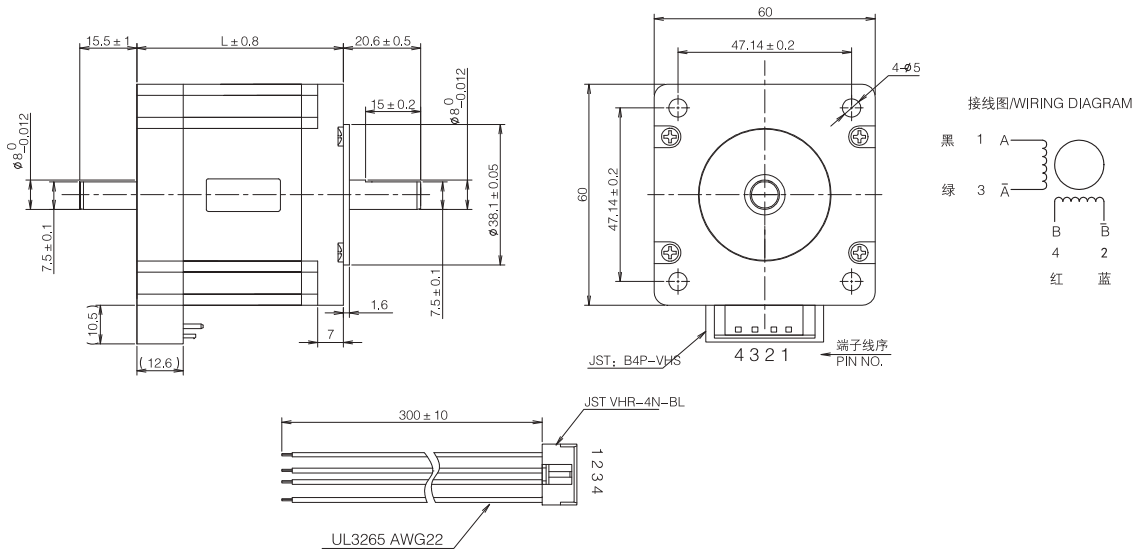


Parameters:

| Model code     | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|----------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-24D2001    | 1.5                  | 4.0         | 0.43             | 280                                | 0.6         | 56         | 单            |
| HEM-24D2001-02 |                      |             |                  |                                    |             |            | 双            |
| HEM-24D5007    | 3.0                  | 4.0         | 0.60             | 900                                | 1.4         | 87         | 单            |
| HEM-24D5007-01 |                      |             |                  |                                    |             |            | 双            |
| HEM-24D7001    | 4.8                  | 4.0         | 1.0              | 1360                               | 1.9         | 118        | 单            |
| HEM-24D7001-01 |                      |             |                  |                                    |             |            | 双            |

Single  
Double  
Single  
Double  
Single  
Double

Dimensions :HEM-24D



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

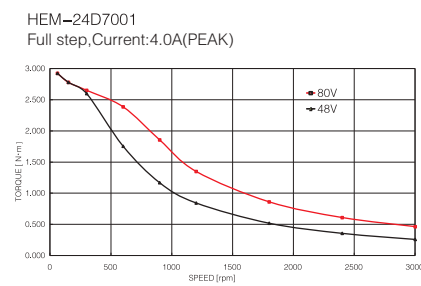
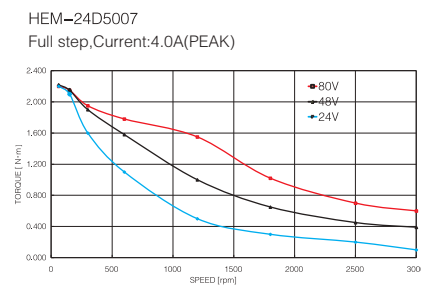
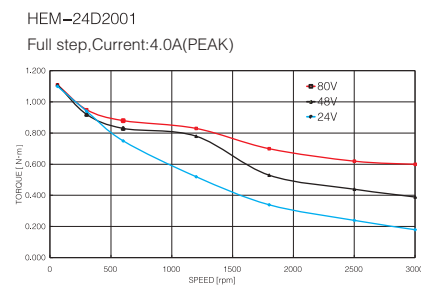
Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

Torque speed curves



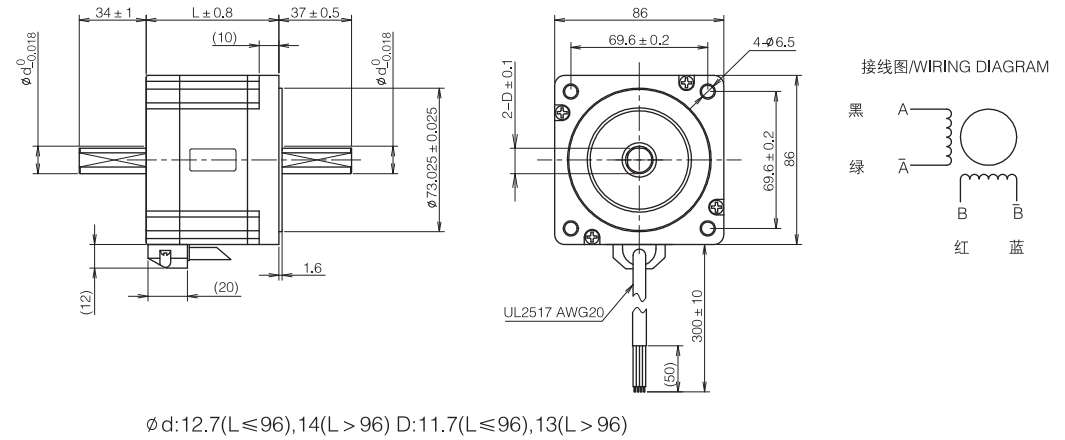
HEM-34D(□86) 2phase 1.8°



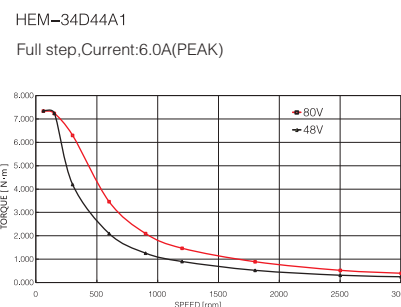
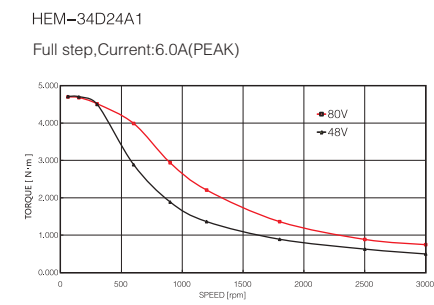
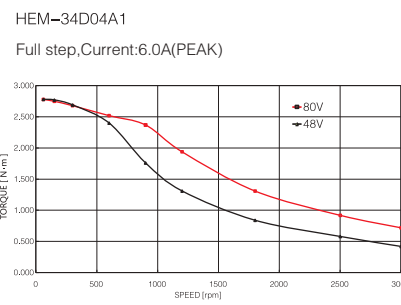
Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-34D04A1 | 4.5                  | 6.0         | 0.24             | 950                                | 1.6         | 67.5       | Single       |
| HEM-34D04B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-34D24A1 | 8.5                  | 6.0         | 0.33             | 1850                               | 2.7         | 96.5       | Single       |
| HEM-34D24B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-34D44A1 | 11.7                 | 6.0         | 0.55             | 2775                               | 3.8         | 125.5      | Single       |
| HEM-34D44B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-34D64A1 | 15.2                 | 6.0         | 0.55             | 3400                               | 5.7         | 158.5      | Single       |
| HEM-34D64B1 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-34D



Torque speed curves



步进驱动器  
STEPPER DRIVE

2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

步进驱动器  
STEPPER DRIVE

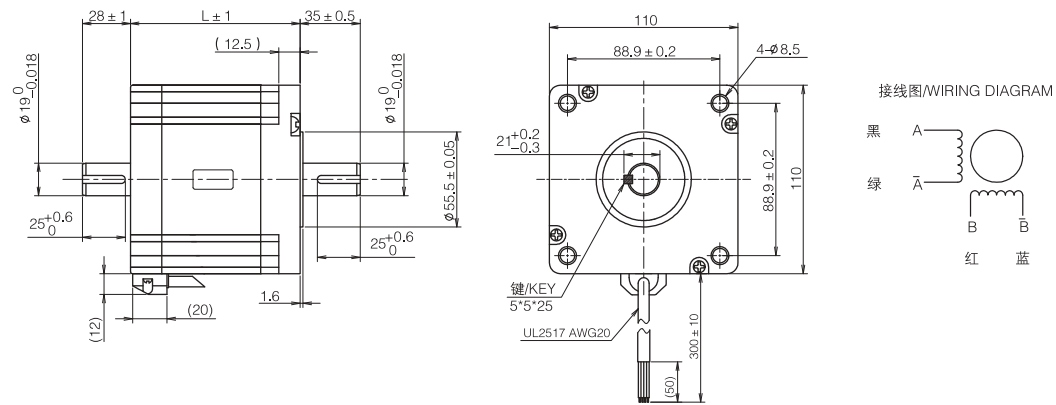
HEM-42D(□110) 2 phase 1.8°



Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-42D14A1 | 9.9                  | 6.0         | 0.44             | 5600                               | 5.3         | 99         | Single       |
| HEM-42D14B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-42D34A1 | 19.8                 | 6.0         | 0.66             | 11000                              | 8.7         | 149        | Single       |
| HEM-42D34B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-42D54A1 | 28.3                 | 6.0         | 0.99             | 16400                              | 12          | 199        | Single       |
| HEM-42D54B1 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-42D



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

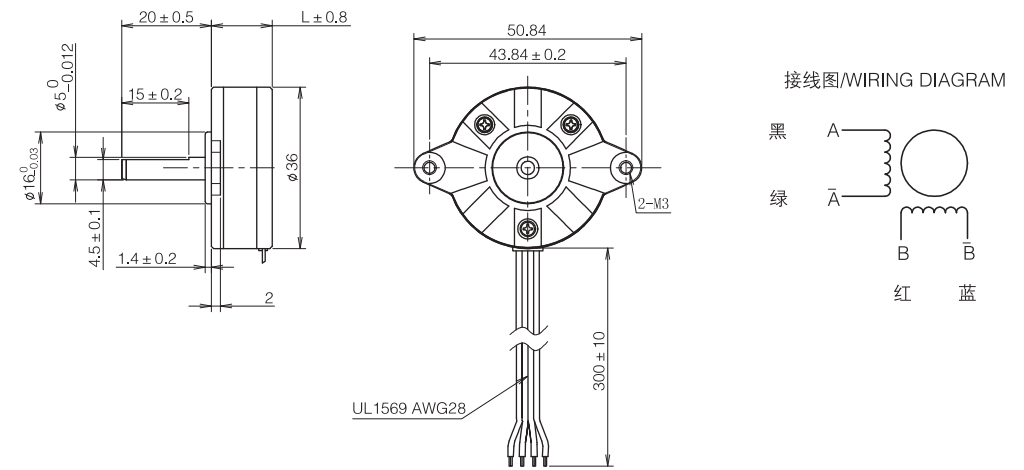
HEM-14R(Ø36) 2phase 0.9°



Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-14R04A1 | 0.04                 | 0.3         | 16.5             | 7.3                                | 0.06        | 13.5       | Single       |
| HEM-14R24A1 | 0.06                 | 0.3         | 18.0             | 13.5                               | 0.08        | 16.6       | Single       |
| HEM-14R34A1 | 0.10                 | 0.4         | 11.0             | 19.6                               | 0.10        | 19.7       | Single       |

Dimensions :HEM-14R



步进驱动器  
STEPPER DRIVE

2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

步进驱动器  
STEPPER DRIVE

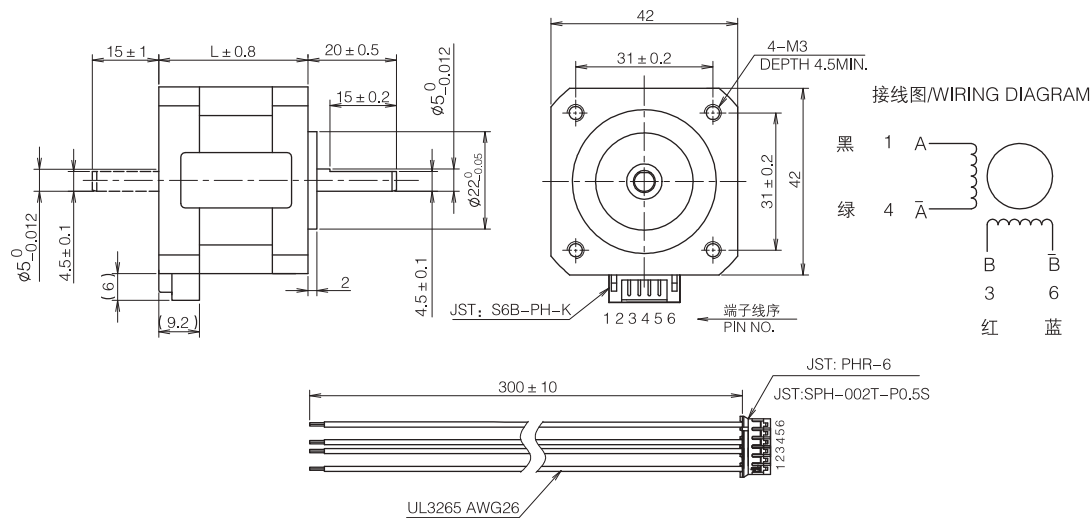
HEM-17C(□42)/23C(□57) 2phase 0.9°



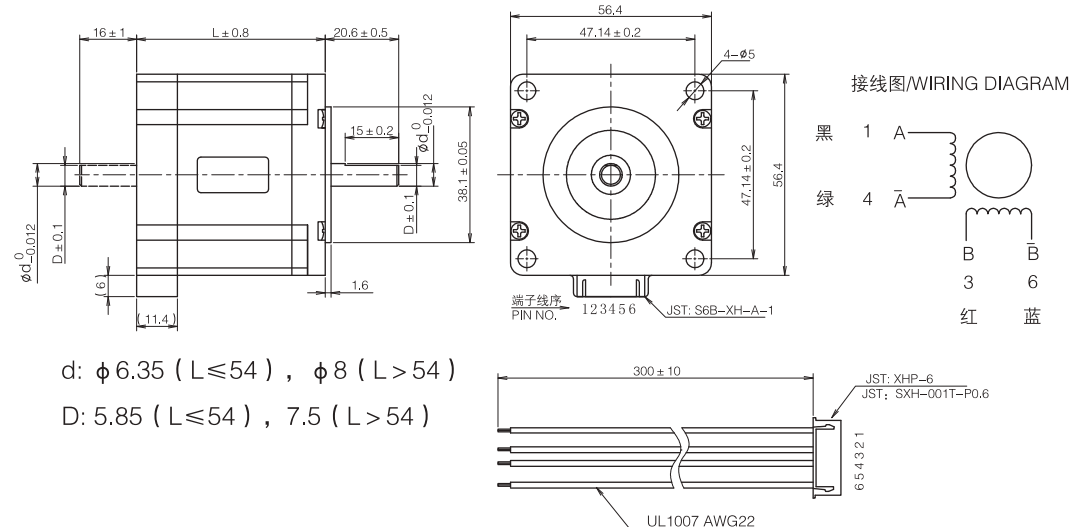
Parameters:

| Model code     | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|----------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-17C2001    | 0.28                 | 1.2         | 2.4              | 40                                 | 0.21        | 33.7       | Single       |
| HEM-17C2001-01 |                      |             |                  |                                    |             |            | Double       |
| HEM-17C4001    | 0.34                 | 1.2         | 3.0              | 57                                 | 0.28        | 39.7       | Single       |
| HEM-17C4001-01 |                      |             |                  |                                    |             |            | Double       |
| HEM-17C6001    | 0.49                 | 1.2         | 3.2              | 82                                 | 0.36        | 47.7       | Single       |
| HEM-17C6001-01 |                      |             |                  |                                    |             |            | Double       |
| HEM-23C1001    | 0.60                 | 3.0         | 0.55             | 170                                | 0.42        | 42         | Single       |
| HEM-23C1001-01 |                      |             |                  |                                    |             |            | Double       |
| HEM-23C4002-02 | 1.10                 | 3.0         | 0.80             | 280                                | 0.55        | 53         | Single       |
| HEM-23C4002-03 |                      |             |                  |                                    |             |            | Double       |
| HEM-23C6001-02 | 1.75                 | 3.0         | 1.15             | 480                                | 1.0         | 77         | Single       |
| HEM-23C6001-03 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-17C



Dimensions :HEM-23C



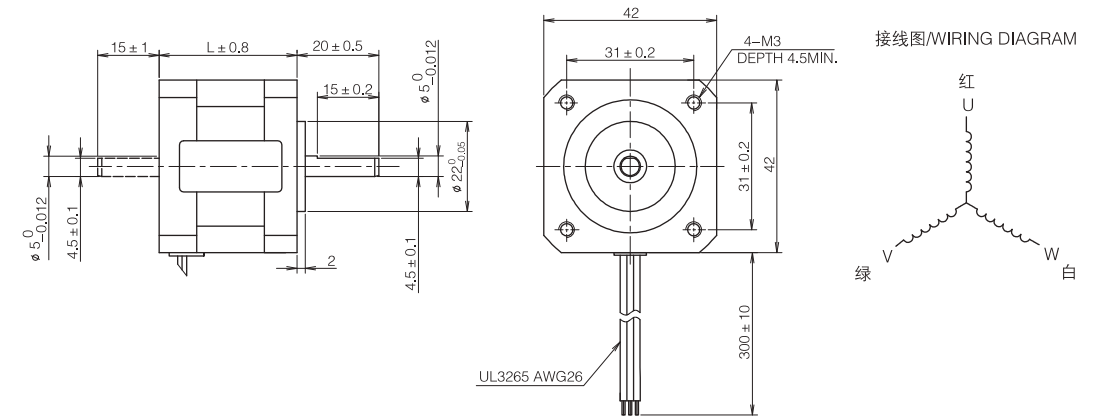
HEM-17T(□42) 3phase 1.2°



Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-17T23A1 | 0.24                 | 2.5         | 1.3              | 40                                 | 0.21        | 33.7       | Single       |
| HEM-17T23B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-17T43A1 | 0.34                 | 2.5         | 1.5              | 57                                 | 0.28        | 39.7       | Single       |
| HEM-17T43B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-17T63A1 | 0.45                 | 2.5         | 1.9              | 82                                 | 0.36        | 47.7       | Single       |
| HEM-17T63B1 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-17T



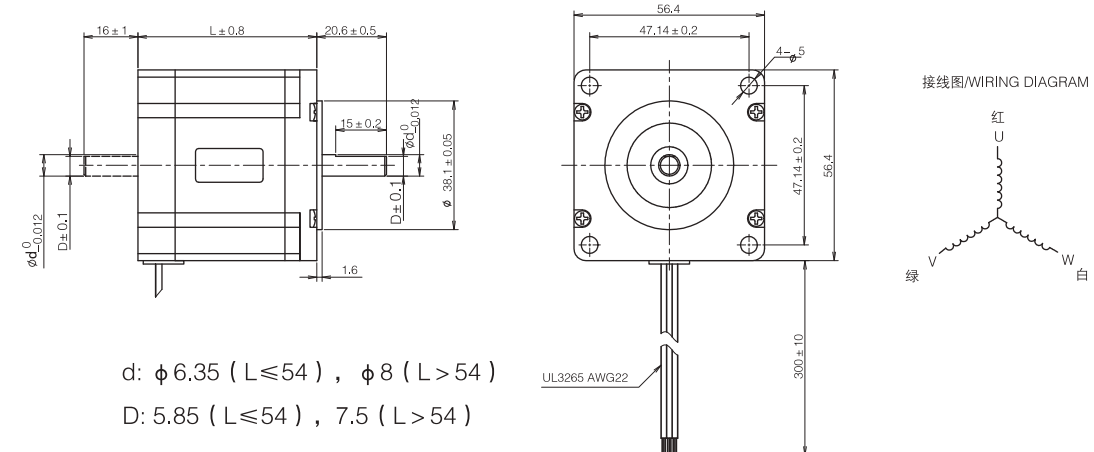
HEM-23T(□57) 3phase 1.2°



Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-23T13A1 | 0.5                  | 5.8         | 0.34             | 170                                | 0.42        | 42         | Single       |
| HEM-23T13B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-23T43A1 | 0.8                  | 5.8         | 0.45             | 280                                | 0.55        | 53         | Single       |
| HEM-23T43B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-23T63A1 | 1.5                  | 5.8         | 0.50             | 480                                | 1.0         | 77         | Single       |
| HEM-23T63B1 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-23T



d: φ6.35 (L≤54), φ8 (L>54)  
D: 5.85 (L≤54), 7.5 (L>54)

步进电机  
STEPPER MOTOR

步进驱动器  
STEPPER DRIVE

2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

步进驱动器  
STEPPER DRIVE

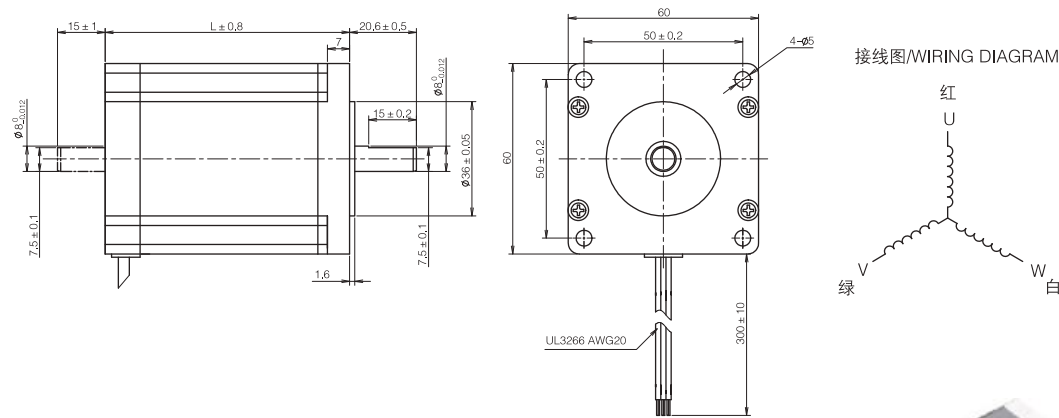
HEM-24T(□60) 3 phase 1.2°



Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-24T13A1 | 0.55                 | 5.8         | 0.35             | 170                                | 0.42        | 42         | Single       |
| HEM-24T13B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-24T33A1 | 0.90                 | 5.8         | 0.42             | 280                                | 0.8         | 53         | Single       |
| HEM-24T33B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-24T73A1 | 1.7                  | 5.8         | 0.70             | 480                                | 1.25        | 83         | Single       |
| HEM-24T73B1 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-24T



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

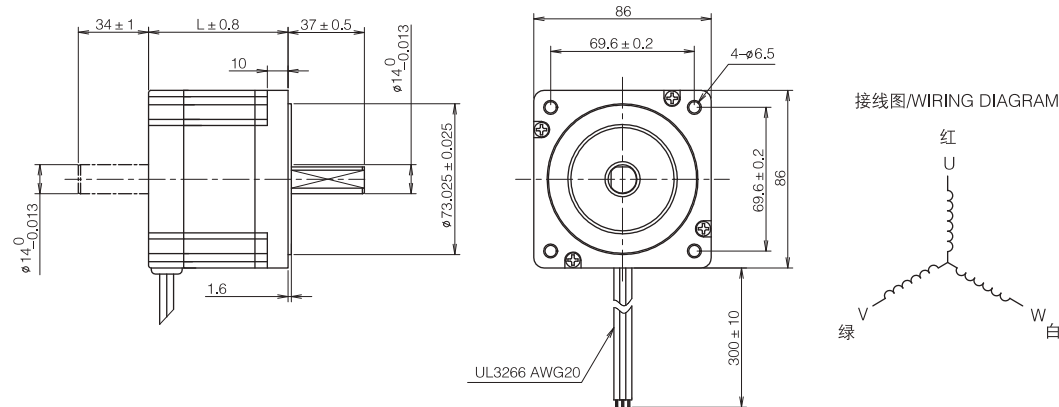
HEM-34T(□86) 3 phase 1.2°



Parameters:

| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-34T03A1 | 2.5                  | 6.0         | 0.33             | 950                                | 1.88        | 67.5       | Single       |
| HEM-34T03B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-34T23A1 | 5.5                  | 6.0         | 0.50             | 1850                               | 3.0         | 96.5       | Single       |
| HEM-34T23B1 |                      |             |                  |                                    |             |            | Double       |
| HEM-34T43A1 | 6.8                  | 6.0         | 0.80             | 2775                               | 4.25        | 125.5      | Single       |
| HEM-34T43B1 |                      |             |                  |                                    |             |            | Double       |

Dimensions :HEM-34T



2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

HEM-23H(□57) /34H(□86) Hercules motor 2 phase 1.8°



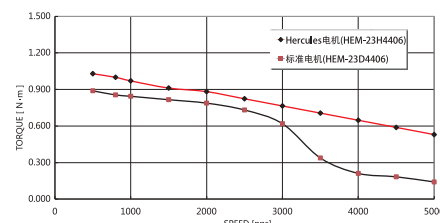
Advantage: The same volume, Torque increases by 20%-30%  
Patented products  
Easy to manipulate

Parameters:

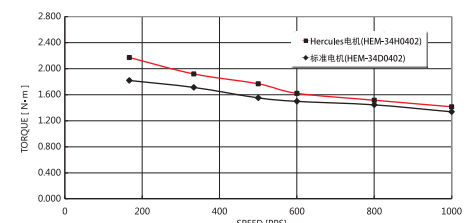
| Model code  | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (kg) | Length(mm) | Output shaft |
|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|--------------|
| HEM-23H4406 | 1.6                  | 3.0         | 0.72             | 280                                | 0.65        | 53         | Single       |
| HEM-34H0402 | 4.2                  | 6.0         | 0.3              | 950                                | 2.0         | 67.5       | Single       |

Torque speed curves

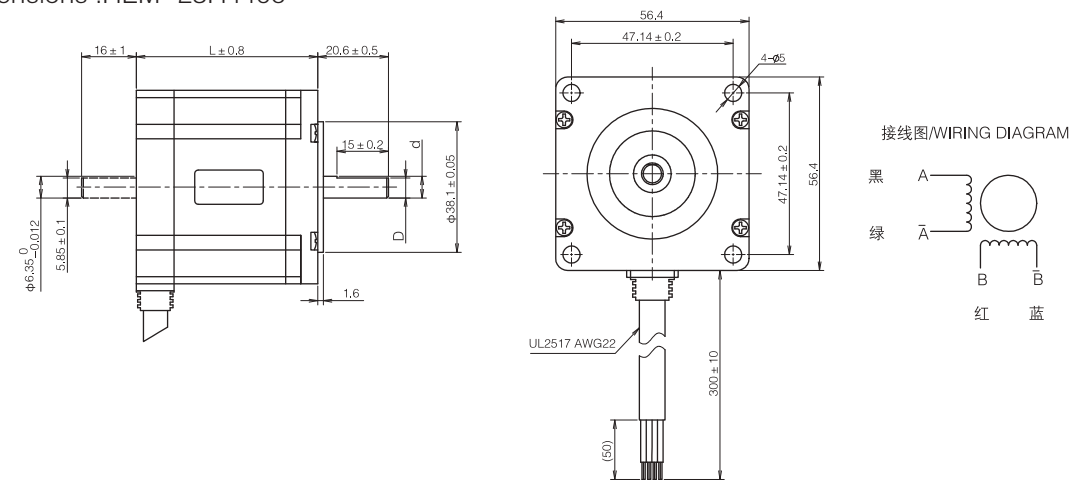
Hercules motor(HEM-23H4406)



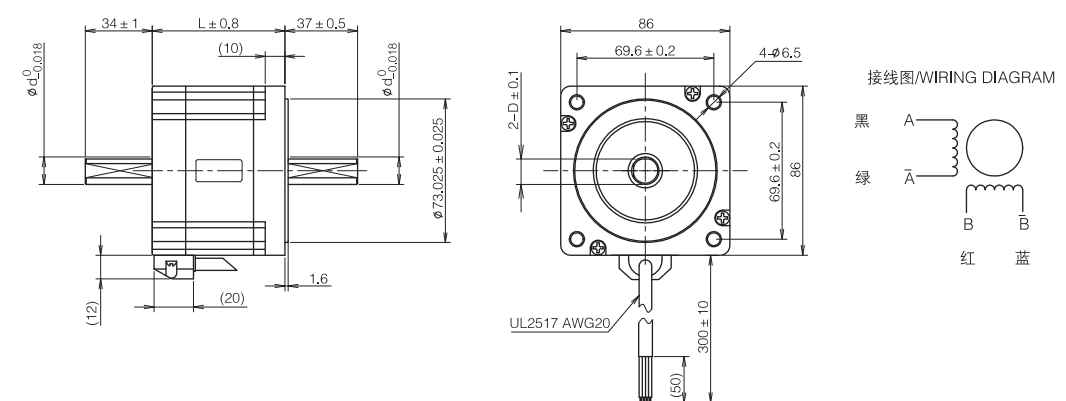
Hercules motor(HEM-34H0402)



Dimensions :HEM-23H4406



Dimensions :HEM-34H0402



步进驱动器  
STEPPER DRIVE

2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor



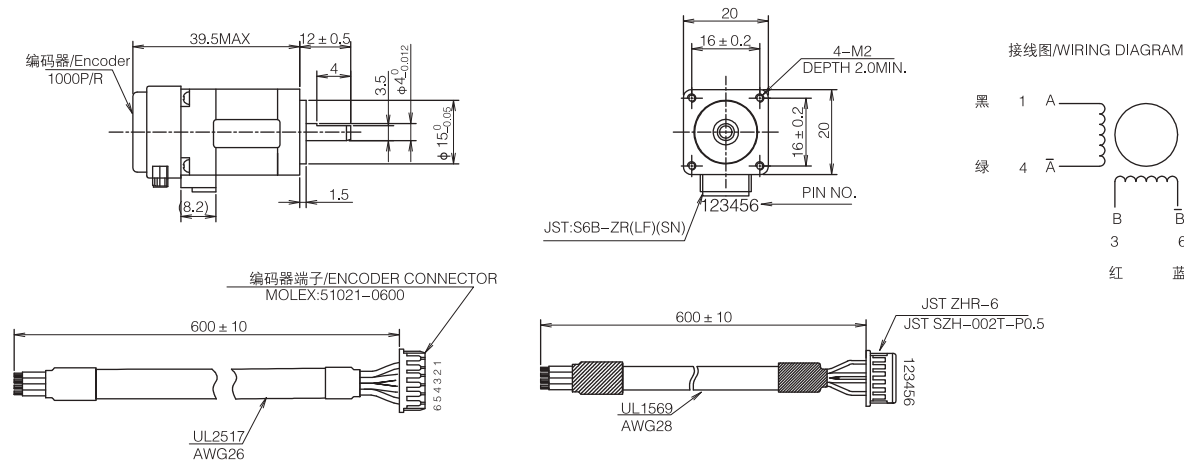
步进驱动器  
STEPPER DRIVE

HEM-8D(□20)/11D(□28) Encoder motor

Parameters:

| Model code       | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Resolution | Rotor inertia (g.cm <sup>2</sup> ) | Weight(Kg) | Length(mm) |
|------------------|----------------------|-------------|------------------|------------|------------------------------------|------------|------------|
| HEM-8D2001-12ED  | 0.017                | 0.4         | 7.0              | 1000       | 2.0                                | 0.16       | 39.5       |
| HEM-8D4001-04ED  | 0.03                 | 0.4         | 11.0             | 1000       | 3.6                                | 0.18       | 50         |
| HEM-11D6001-01ED | 0.17                 | 1.0         | 2.5              | 1000       | 22                                 | 0.32       | 69         |

Dimensions :HEM-8D series



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

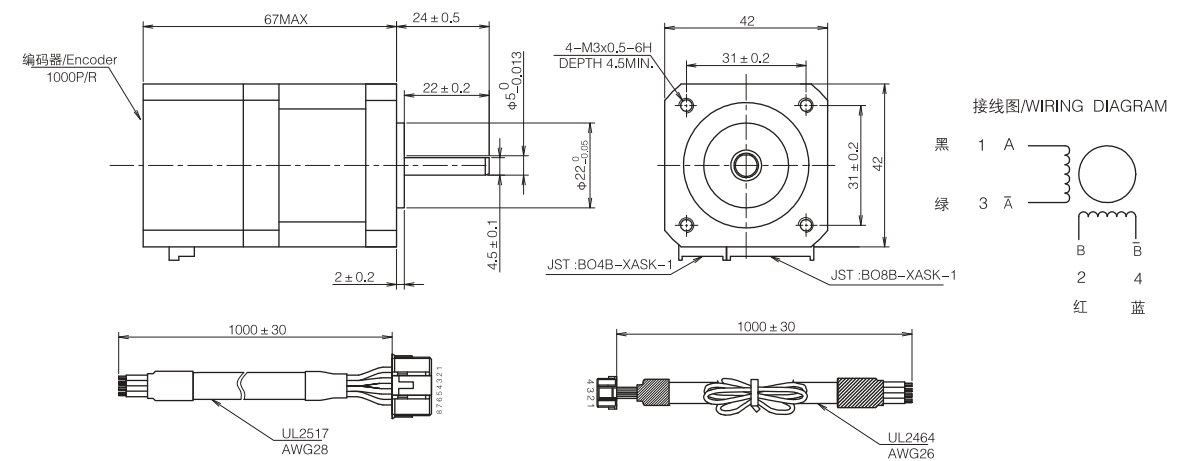
步进驱动器  
STEPPER DRIVE

HEM-17D(□42)/23D(□57) Encoder motor

Parameters:

| Model code       | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Resolution | Rotor inertia (g.cm <sup>2</sup> ) | Weight(Kg) | Length(mm) |
|------------------|----------------------|-------------|------------------|------------|------------------------------------|------------|------------|
| HEM-17D4402-35ED | 0.44                 | 1.2         | 3.0              | 1000       | 57                                 | 0.28       | 67         |
| HEM-17D8402-11ED | 0.86                 | 2.8         | 1.3              | 1000       | 220                                | 0.61       | 87         |
| HEM-23D4404-22ED | 1.1                  | 4.0         | 0.4              | 1000       | 280                                | 0.60       | 76         |
| HEM-23D6406-12ED | 2.2                  | 4.0         | 0.5              | 1000       | 280                                | 1.1        | 100        |
| HEM-23D9401-08ED | 3.4                  | 4.0         | 1.1              | 1000       | 280                                | 1.45       | 136        |

Dimensions :HEM-17D series



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

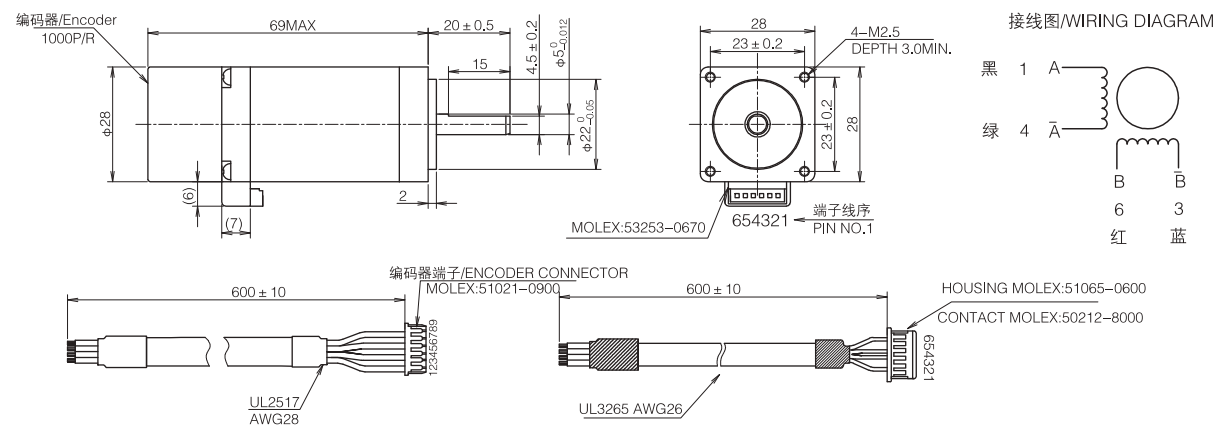
Encoder motor

Brake motor

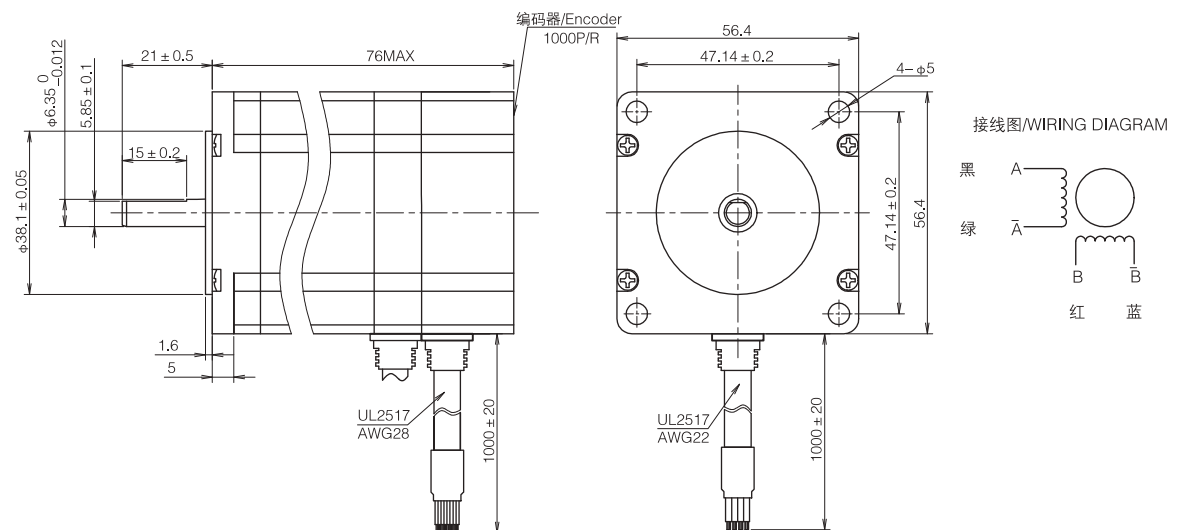
Planetary gearbox motor

Outdoor anti-rust motor

Dimensions :HEM-11D series



Dimensions :HEM-23D series



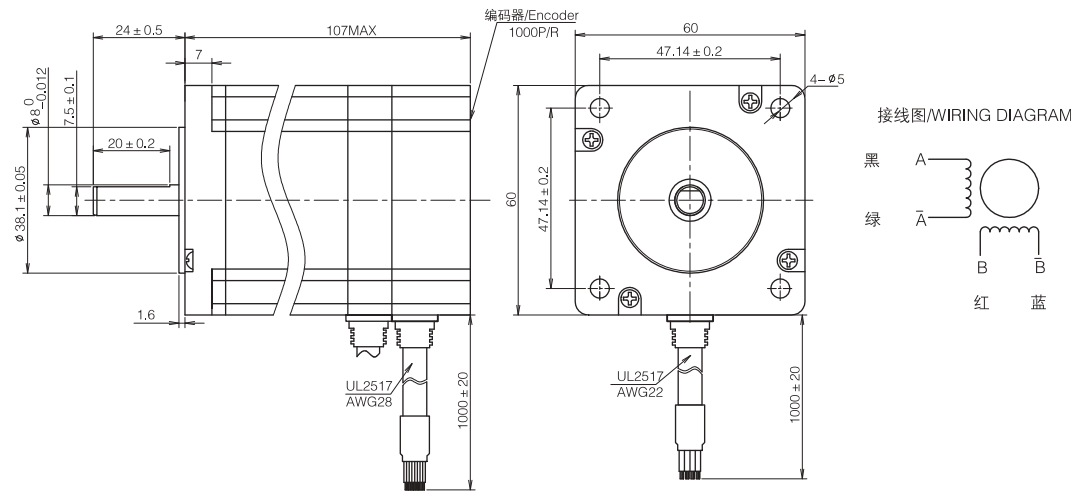
步进驱动器  
STEPPER DRIVE

HEM-24D(□60)/34D(□86) Encoder motor

Parameters:

| Model code       | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Resolution | Rotor inertia (g.cm <sup>2</sup> ) | Weight(Kg) | Length(mm) |
|------------------|----------------------|-------------|------------------|------------|------------------------------------|------------|------------|
| HEM-24D5007-03ED | 3.0                  | 4.2         | 0.6              | 1000       | 900                                | 1.3        | 107        |
| HEM-34D0402-19ED | 3.0                  | 6.0         | 0.3              | 1000       | 2775                               | 1.85       | 91         |
| HEM-34D2407-36ED | 5.8                  | 6.0         | 0.4              | 1000       | 2775                               | 3.1        | 120        |
| HEM-34D4401-16ED | 8.7                  | 6.0         | 0.6              | 1000       | 2775                               | 4.2        | 150        |

Dimensions :HEM-24D series



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

Encoder motor

Brake motor

Planetary gearbox motor

Outdoor anti-rust motor

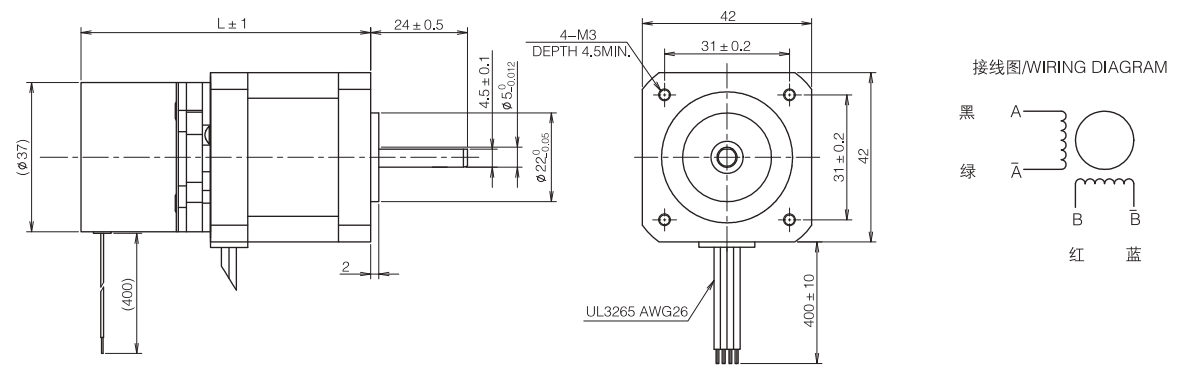
步进驱动器  
STEPPER DRIVE

HEM-17D(□42)/23D(□57) Brake motor

Parameters:

| Model code       | Brake specifications |             | Holding torque (N.m) | Current (A) | Resistance (Ohm) | Rotor inertia (g.cm <sup>2</sup> ) | Weight (Kg) | Length(mm) |
|------------------|----------------------|-------------|----------------------|-------------|------------------|------------------------------------|-------------|------------|
|                  | Power(DC)            | Torque(N.m) |                      |             |                  |                                    |             |            |
| HEM-17D4402-34BK | 24V                  | 0.36        | 0.45                 | 1.2         | 3.0              | 57                                 | 0.48        | 71.8       |
| HEM-17D8402-10BK | 24V                  | 0.36        | 0.90                 | 2.5         | 1.4              | 128                                | 0.81        | 91.8       |
| HEM-23D4404-21BK | 24V                  | 1.5         | 1.2                  | 4.0         | 0.4              | 280                                | 0.95        | 85         |
| HEM-23D6406-11BK | 24V                  | 1.5         | 2.2                  | 4.0         | 0.5              | 480                                | 1.4         | 109        |
| HEM-23D9401-07BK | 24V                  | 1.5         | 3.0                  | 4.0         | 1.1              | 800                                | 1.9         | 145        |

Dimensions :HEM-17D series



2 phase DC

2 phase AC

3 phase DC

3 phase AC

步进电机  
STEPPER MOTOR

2 phase stepper motor

3 phase stepper motor

Hercules motor

Waterproof motor

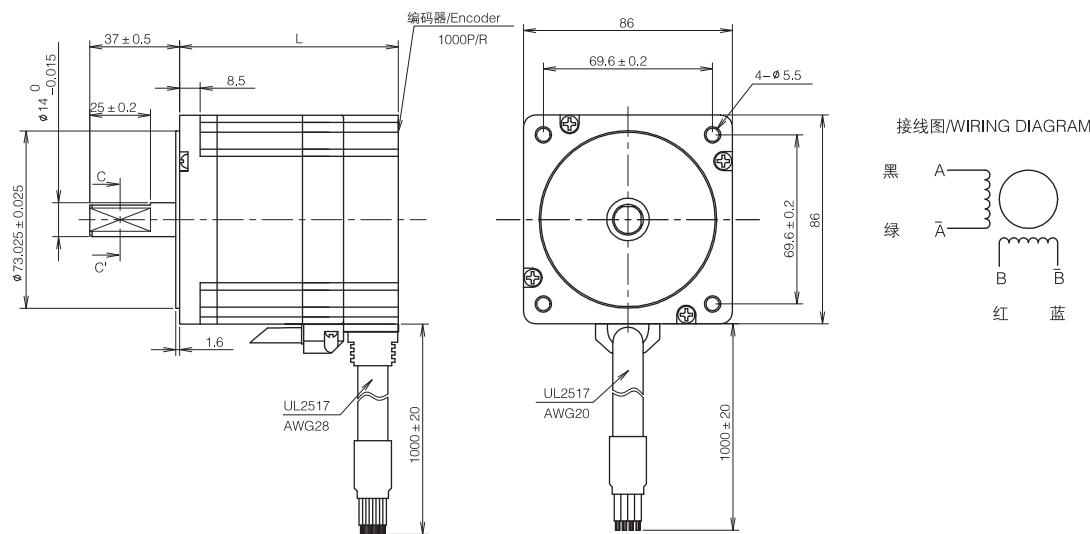
Encoder motor

Brake motor

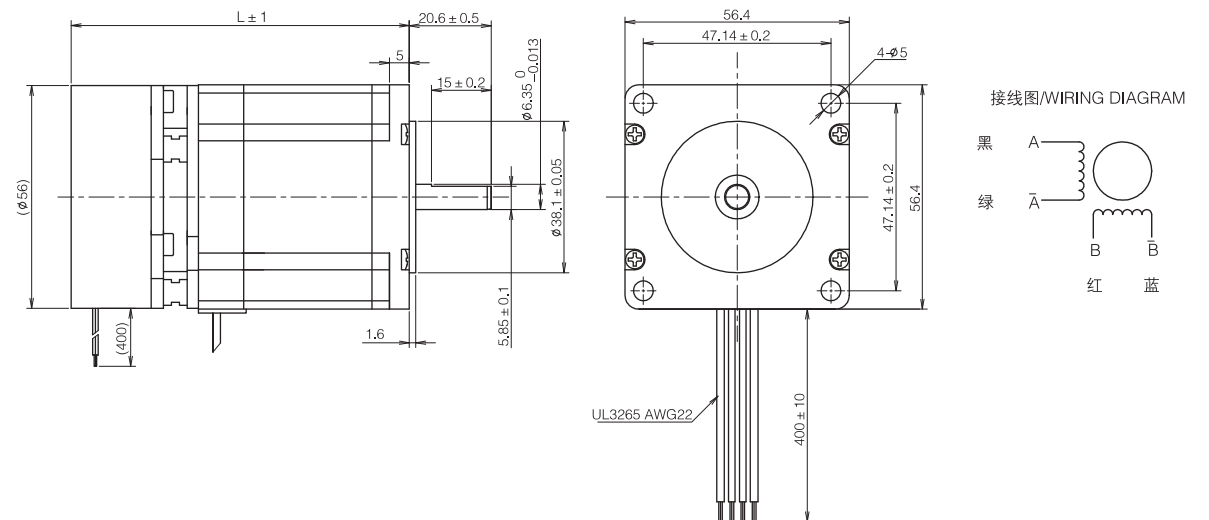
Planetary gearbox motor

Outdoor anti-rust motor

Dimensions :HEM-34D series



Dimensions :HEM-23D series







■ Damper 、 Gearbox



Damper

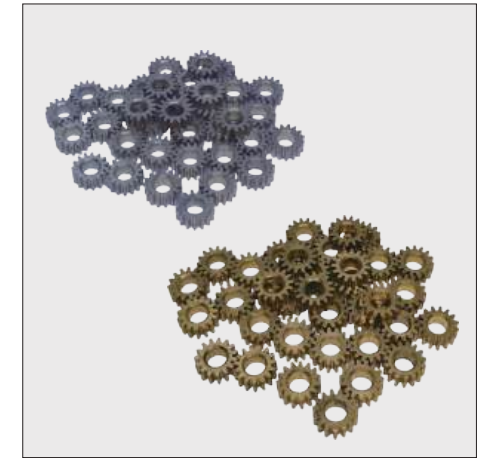


Gearbox

■ Pulley 、 Gear



Pulley



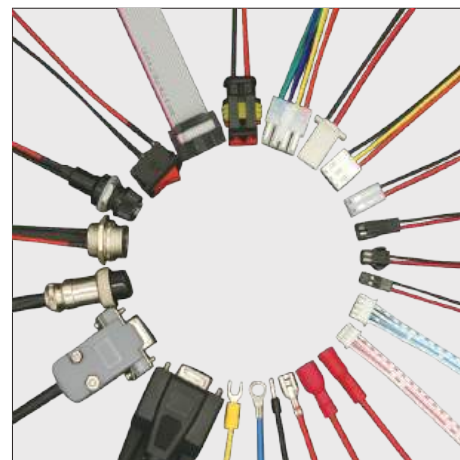
Gear

■ Flexible coupling、 Connection Cables



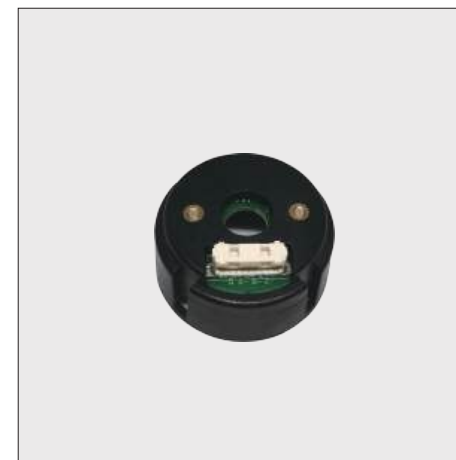
Made in Japan

Flexible coupling



Connection Cables

■ Encoder、 Brake



Encoder



Brake

Damper

Damper

Gearbox

Gearbox

Flexible coupling

Flexible coupling

Connection Cables

Connection Cables

Pulley

Pulley

Gear

Gear

Encoder

Encoder

Brake

Brake

### Customer demand list

### Motor sketches

Company: \_\_\_\_\_ Department: \_\_\_\_\_  
 Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
 E-mail: \_\_\_\_\_  
 Address: \_\_\_\_\_

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Motor selection requirements:  
 Application: \_\_\_\_\_  
 Dimensional: \_\_\_\_\_ Current: \_\_\_\_\_ Torque: \_\_\_\_\_  
 Notes to other requirements:

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Step driver selection requirements:  
 Application: \_\_\_\_\_ Choose the supporting motor model:  Yes  No  
 Dimensional: \_\_\_\_\_ Voltage: \_\_\_\_\_ Current: \_\_\_\_\_  
 Installation direction:  vertical  horizontal  
 Communication mode:  RS232  RS485  CAN  Ethercat  other  
 Notes to other requirements:

