

57HS Series 3 Phase Hybrid Stepper Motors

General Specifications

| Item | Specification |
|-----------------------|--|
| Step Angle Accuracy | ± 5% (whole step) |
| Resistance Accuracy | ± 10% (20°C) |
| Inductance Accuracy | ± 20% (1KHZ) |
| Temperature Rise | 80°C max (Rated current, 2-phase power) |
| Ambient Temperature | -20°C ~ +50°C |
| Insulation Resistance | 100M Ω Min 500 VDC |
| Dielectric Strength | 500V AC 1 minute |
| Allowable Radial Load | 0.02mm Max (450g load) |
| Allowable Thrust Load | 0.08mm Max (450g load) |
| Radial maximum load | 75N (From the flange surface 20mm) |
| Axial maximum load | 15N |



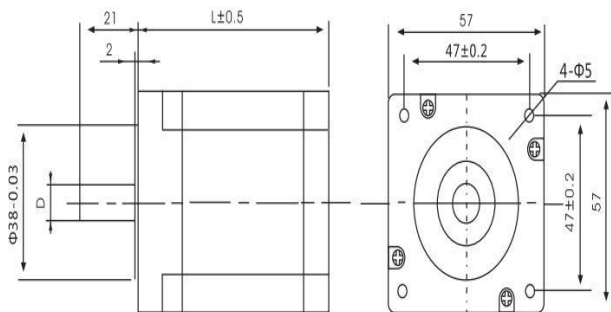
Specifications

| Model | Step angle (°) | Motor length (mm) | Current (A/phase) | Resistance (Ω/phase) | Inductance (MH/phase) | Holding torque (N.M) | Rotor inertia (g.cm ²) | Leads Wire No. | Weight (kg) | Matched drives |
|---------------|----------------|-------------------|-------------------|----------------------|-----------------------|----------------------|------------------------------------|----------------|-------------|----------------|
| LC364 | 1.2 | 40.5 | 5.2 | 0.242 | 0.22 | 0.45 | 100 | 3 | 0.5 | 3MC580 |
| LC366 | 1.2 | 53.5 | 5.6 | 0.24 | 0.267 | 0.9 | 220 | 3 | 0.75 | 3MC580 |
| LC368 | 1.2 | 76.4 | 5.8 | 0.29 | 0.39 | 1.5 | 380 | 3 | 1.1 | 3MC580 |
| LC3610 | 1.2 | 102 | 5.8 | 0.376 | 0.5 | 2 | 530 | 3 | 1.57 | 3MC580 |

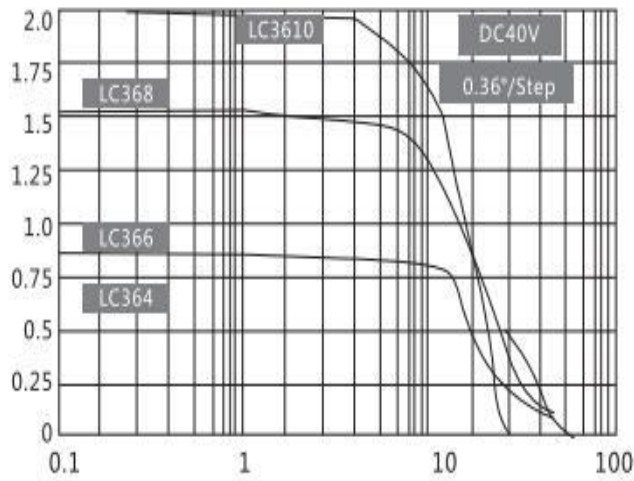
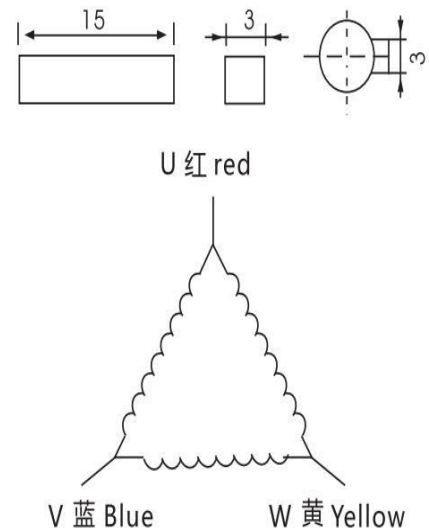
1. The above is only representative products, may be required to be produced separately.
2. According to your request to customize the electrical parameters of the motor, winding specifications, the size of the shaft shape.
3. Standard products for the step angle of 1.8° 4-wire motor. If the customer request can provide 6-wire motor and 0.9° step angle optional.
4. Can match your request to power brake, square gear box or planetary gear box.

Dimensions:

Motor Shaft :



| Item | Shaft (mm) | Axis stretch (mm) | Axis length (mm) |
|---------------|------------|-------------------|------------------|
| LC364 | 6.35 | Terrace0.5x10 | 21 |
| LC366 | 8.0 | Terrace0.5x10 | 21 |
| LC368 | 8.0 | Flat key 3x15 | 21 |
| LC3610 | 8.0 | Flat key 3x15 | 21 |

Speed - Torque Curve Chart:

Wiring Diagram :

Note:

1. Do not connect the motor to the driver.
2. Due to different driving conditions, the motor may have a significant fever situation.
The surface temperature of the motor is allowed to exceed 85 ° C during operation.
3. When installing the motor, be sure to use the front end cover of the motor to install the nozzle only, and pay attention to the tolerance, to ensure the concentricity between the motor shaft and the load.