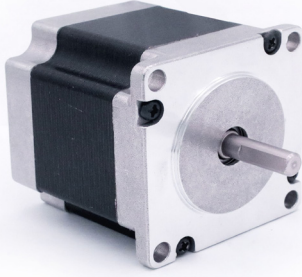


# 57BYGH

## HYBRID STEPPING MOTOR



### General Specifications

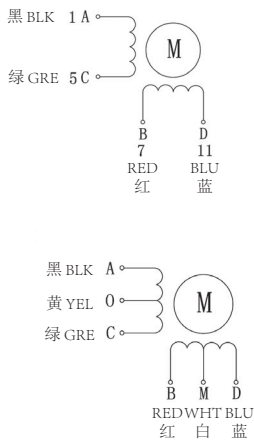
|                           |                              |
|---------------------------|------------------------------|
| Step Accuracy             | ± 5%                         |
| Temperature Rise          | 80 °C Max                    |
| Insulation Resistance     | 100MΩ Min.500VC DC           |
| Ambient Temperature Range | -20°C~+50°C                  |
| Dielectric Strength       | 500VAC 1 minute              |
| Max Radial Force          | 75N (20mm from front flange) |
| Max Axial Force           | 15N                          |

### Technical Specifications

| Model         | Step Angle<br>(°/Step) | Lead Wire<br>(NO.) | Voltage<br>(V) | Current<br>(A/Phase) | Resistance<br>(Ω/Phase) | Inductance<br>(mH/Phase) | Holding Torque<br>(Kg.cm) | Motor Height<br>L (mm) | Motor Weight<br>(Kg) |
|---------------|------------------------|--------------------|----------------|----------------------|-------------------------|--------------------------|---------------------------|------------------------|----------------------|
| 57BYGH001A    | 1.8                    | 4                  | 6.0            | 0.5                  | 12                      | 20                       | 3.5                       | 41                     | 0.45                 |
| 57BYGH048-11  |                        | 4                  | 4.4            | 2.0                  | 2.2                     | 5.0                      | 6.0                       | 41                     | 0.45                 |
| 57BYGH201-22A |                        | 4                  | 6.6            | 0.6                  | 11                      | 25                       | 7.0                       | 51                     | 0.65                 |
| 57BYGH218-45  |                        | 4                  | 2.6            | 2.0                  | 1.3                     | 4                        | 8.0                       | 51                     | 0.65                 |
| 57BYGH420-77  |                        | 6                  | 3.8            | 2.0                  | 1.9                     | 3.5                      | 9.0                       | 56                     | 0.70                 |
| 57BYGH432-63A |                        | 6                  | 2.4            | 3.0                  | 0.8                     | 1.2                      | 9.0                       | 56                     | 0.70                 |
| 57BYGH633-131 |                        | 6                  | 3.0            | 3.0                  | 1.0                     | 1.8                      | 13.5                      | 78                     | 1.00                 |
| 57BYGH639-10E |                        | 4                  | 2.1            | 4.2                  | 0.5                     | 1.6                      | 18                        | 78                     | 1.00                 |
| 57BYGH801-01  |                        | 6                  | 3.3            | 3.0                  | 1.1                     | 2.5                      | 16                        | 84                     | 1.13                 |
| 57BYGH815     |                        | 4                  | 7.36           | 1.6                  | 4.6                     | 16                       | 20                        | 84                     | 1.13                 |

\* Products can be customized by special request.

### Wiring Diagram



### Mechanical Dimension

