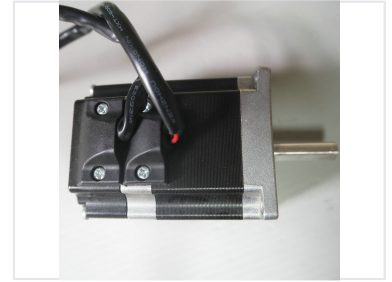
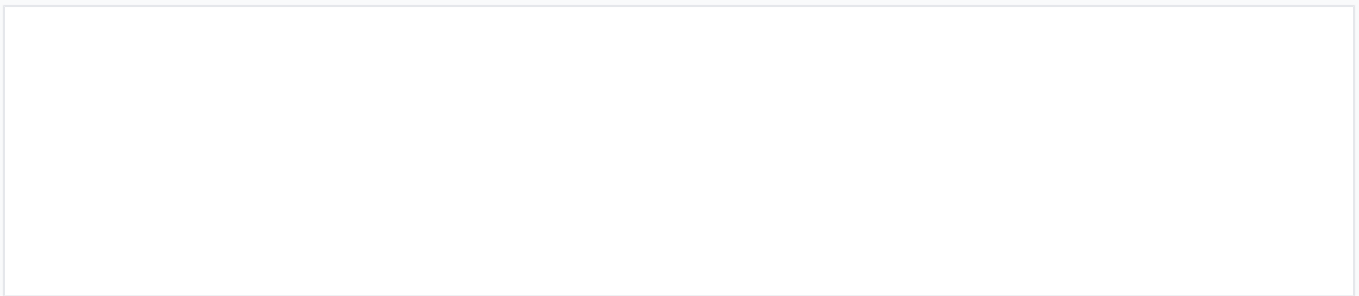


# Hybrid Stepper Motor 57HS Series 1.8 Degree

This hybrid stepper motor combines permanent magnet and reactive technology. It offers various phase and step angle options, excelling in torque, speed, and resolution.



## Overview

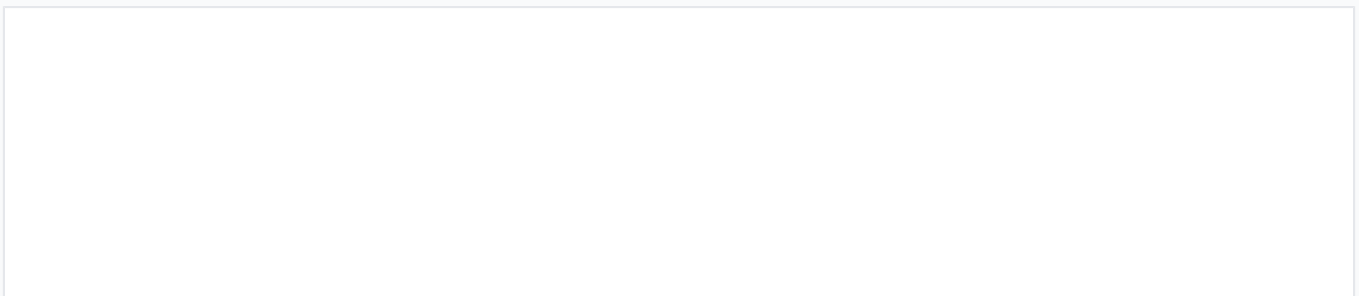


The 57HS series is engineered for high-precision motion control across diverse industrial automation fields.

### High-Performance Hybrid Stepper Motors

The 57HS series hybrid stepper motor is designed to combine the strengths of permanent magnet and reactive technologies, offering exceptional performance in torque, speed, and positioning resolution. Built for reliability in demanding industrial environments, these motors feature a precise 1.8° step angle and are optimized for smooth, quiet operation. Their robust construction and high electromagnetic compatibility make them an ideal choice for automation, medical equipment, and precision manufacturing applications.

## Technical Specifications



Rigorous testing ensures high standards for insulation, temperature tolerance, and step accuracy.

|                             |                              |
|-----------------------------|------------------------------|
| Step Angle Accuracy         | ±5% (full step, no load)     |
| Insulation Class            | Class B (130°C)              |
| Operating Temperature Range | -20°C to +50°C               |
| Dielectric Strength         | 500VAC for one minute at 5mA |

## Performance Metrics

### Key Performance Indicators

**1.8 °**

Step Angle

**80 °C**

Temperature Rise

**100 M $\Omega$**

Insulation Resistance

## Product Features

### Motor Technology

Hybrid Stepper • 2-Phase • High Precision

### Certifications

CCC, CE, ISO

## Applications

### Widely Used In

- Industrial automation
- CNC machines
- Robotics
- Medical equipment
- Semiconductor equipment
- Intelligent stage lighting
- 3D printing