

60mm 0.4kW AC Servo Motor

This 60mm servo motor delivers 0.4kW of power and operates at 220V. It is designed for precise motion control applications, including CNC machines and robotics.



ADDITIONAL IMAGES



Product Overview

High-Precision 60mm Servo Motor

This 60mm frame servo motor delivers a power output of 0.4kW at 220V, specifically engineered for high-performance motion control environments. It features a compact, short-body design that enables seamless integration into space-constrained applications like robotics and precision CNC machinery. With support for multiple encoder types, this motor provides the reliability and dynamic responsiveness required for demanding industrial automation.

Key Performance Metrics

Core Specifications

0.4 kW

Rated Power

1.27 Nm

Rated Torque

3000 rpm

Rated Speed

6000 rpm

Max Speed

Technical Specifications

Electrical Characteristics

Parameter	Value
Rated Voltage	220V AC
Rated Current	3.2 A
Max Current	9.6 A
Torque Constant	0.396 Nm/A
Voltage Constant	27.0 V/krpm

Mechanical and Encoder Details

- Frame Size: 60mm
- Pole Pairs: 5
- Rotor Inertia (No Brake): $0.27 \times 10^{-4} \text{ kg}\cdot\text{m}^2$
- Rotor Inertia (With Brake): $0.28 \times 10^{-4} \text{ kg}\cdot\text{m}^2$
- Supported Encoders: Absolute, Incremental, Rotary


Application Areas

● iK3 CANOpen in non-standard tapping

- iK3-400W 4 sets
- iK3-1.5KW 6 sets
- M series 23 Bit motor

• 8-station tapping
• K1 AS15 servo drive
• Precise tapping of the engine casing

• Fast tapping, no bad teeth
• Motor waterproof, high servo stability



Precision motion control performance in industrial tapping and assembly applications.

Industry Applications

Jointed Robots, Picking Robots, High-End Electronic Equipment, CNC Milling, Engraving Systems