

3kW AC Servo Motor 130mm 220V

This 3kW AC servo motor features a 130mm frame size and operates at 220V. It is designed for use in robotics, CNC machines, and other industrial automation systems.



ADDITIONAL IMAGES



Product Overview

High-Performance 3kW AC Servo Motor

This 3kW AC Servo Motor is designed for precision motion control in demanding industrial environments. Featuring a compact 130mm frame and a short body design, it utilizes new technology to provide high torque with low inertia for smooth and accurate movement. With an IP65 protection rating and versatile encoder options, it is an ideal solution for high-end CNC milling, engraving, and robotic applications.

Key Performance Metrics

Performance Highlights

3 kW

Rated Power

3000 RPM

Rated Speed

9.55 N.m

Rated Torque

10 A

Rated Current

Technical Specifications

Electrical & Mechanical Data

Parameter	Value
Model	130SJZ-M06030
Rated Voltage	220V AC
Max Torque	28.65 N.m
Max Speed	3000 RPM
Insulation Class	F
Protection Class	IP65
Pole Pairs	5
Torque Constant	0.905 N-m/A
Voltage Constant	61 V/krpm

Design & Construction

Physical Characteristics

- 130mm Frame Size
- Compact Structure / Short Body
- Waterproof Motor Design
- High Servo Stability
- Low Rotor Inertia

Configuration Options

Supported Encoders

Absolute Encoder, Incremental Encoder, Rotary Encoder, 23-Bit Motor Support

Applications

• 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



Example of the servo motor integrated into an 8-station tapping system for engine casings.

Primary Applications

Jointed Robots • Picking Robots • CNC Milling & Engraving • High-End Electronic Equipment • Non-standard Tapping