

2kW AC Servo Motor 130mm Frame

This AC servo motor has a 130mm frame and delivers 2kW of power. It is designed for applications needing precise motion control, such as CNC machinery and robotics.



ADDITIONAL IMAGES



Overview

High-Performance 2kW AC Servo Motor

This 2kW AC Servo Motor features a robust 130mm frame designed for high-precision motion control in industrial environments. Utilizing advanced design solutions, it offers a compact structure with a shortened body, making it ideal for space-constrained installations without compromising on power. With support for multiple encoder configurations and high servo stability, it ensures accurate positioning and reliable performance for demanding B2B applications.

Key Performance Metrics

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2 kW

Rated Power

220 V

Rated Voltage

9.55 Nm

Rated Torque

2000 RPM

Rated Speed

Technical Specifications

Electrical & Mechanical Data

Parameter	Value
Model	130SD-A20220300
Frame Size	130 mm
Pole Pairs	5
Max. Torque	28.65 Nm
Max. Speed	3000 rpm
Rated Current	10 A
Max. Current	31.5 A
Torque Constant	0.905 N-m/A
Voltage Constant	61 V/krpm
Line Resistance	0.54 Ω
Line Inductance	5.91 mH

Physical Dimensions

Physical Specifications

- Length without brake: 198.5 mm
- Length with brake: 232.5 mm
- Rotor inertia (no brake): 8.7×10^{-4} kgm²
- Rotor inertia (with brake): 10.7×10^{-4} kgm²
- Compact short-body design

Configuration & Compatibility

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 high-precision 8-station tapping equipment for engine casings.

Application Areas

Jointed Robots • Picking Robots • CNC Milling • Engraving Machines • High-End Electronic Equipment • Tapping Machines

Operational Features

Key Features

- Waterproof motor construction
- High servo stability for precise tapping
- Fast response for high-speed cycles
- New technology compact structure