

AC Servo Motor 100W-7.5kW, 40-180mm Frame

This AC servo motor is available in frame sizes from 40mm to 180mm and power outputs ranging from 100W to 7.5kW. It is suitable for industrial automation tasks requiring precise speed and position control.



ADDITIONAL IMAGES



Overview

High-Performance AC Servo Motor

This series of AC permanent magnet servo motors is engineered for precision motion control in industrial automation, robotics, and CNC machinery. With a versatile frame size range from 40mm to 180mm and power ratings spanning 100W to 7.5kW, these motors offer reliable performance for demanding applications. Featuring robust construction, flexible encoder options, and self-cooling capabilities, they are designed for continuous duty in varied industrial environments.

Technical Specifications

Insulation Class	B
Protection Class	IP54
Insulation Voltage	1500 V
Insulation Resistance	10M Ω (at DC500V)
Vibration Tolerance	2.5 G

Environmental Conditions

Operating Temperature	0°C to 55°C
Max Humidity	90%
Max Altitude	1000 m

Configuration

Poles

- 4
- 5

Available Encoders

Absolute (17bit), Absolute (23bit), Incremental (2500PPR), Incremental (5000PPR)

Mounting

Flange mounting

Performance Data

Model Performance Comparison

Motor Model	Rated Power (kW)	Rated Current (A)	Rated Torque (Nm)
60SY-M01630S1	0.5	3.3	1.59
60SY-M02430S1	0.75	4.7	2.39
60SY-M03230S1	1	6	3.19