

1.5kW AC Servo Motor 130mm Frame

This AC servo motor delivers 1.5kW of power and operates on a 220V power supply. It is designed for precision motion control applications such as CNC machines and robotics.



ADDITIONAL IMAGES



Overview

High-Performance 1.5kW AC Servo Motor

This 130mm frame AC servo motor is engineered for high-precision motion control across industrial automation systems. Delivering a rated power of 1.5kW at 220V, the unit provides smooth, accurate performance with minimal vibration, making it ideal for robotic joints, CNC milling, and high-end electronic assembly equipment. The robust design includes options for integrated brakes and various encoder configurations to suit diverse operational requirements.

Key Performance Metrics

Performance Overview

1.5 kW

Rated Power

2000 rpm

Rated Speed

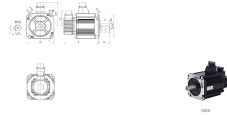
3000 rpm

Max Speed

7.16 Nm

Rated Torque

Technical Specifications



Model	Max. Torque (Nm)	Max. Current (A)	Rated Voltage (V)	Rated Current (A)
IK3-400W	1.5	7.5	220	7.5
IK3-1.5KW	6.2	27.5	220	27.5
IK3-2.2KW	8.5	37.5	220	37.5
IK3-3.0KW	11.0	47.5	220	47.5
IK3-4.0KW	14.0	62.5	220	62.5
IK3-5.5KW	18.5	82.5	220	82.5
IK3-7.5KW	25.0	112.5	220	112.5
IK3-10.0KW	32.0	147.5	220	147.5
IK3-15.0KW	47.5	212.5	220	212.5
IK3-20.0KW	62.5	282.5	220	282.5
IK3-25.0KW	77.5	352.5	220	352.5
IK3-30.0KW	92.5	422.5	220	422.5
IK3-40.0KW	122.5	562.5	220	562.5
IK3-55.0KW	167.5	752.5	220	752.5
IK3-75.0KW	227.5	1042.5	220	1042.5
IK3-100.0KW	297.5	1382.5	220	1382.5
IK3-150.0KW	447.5	2122.5	220	2122.5
IK3-200.0KW	597.5	2862.5	220	2862.5
IK3-300.0KW	897.5	4252.5	220	4252.5
IK3-400.0KW	1197.5	5642.5	220	5642.5
IK3-550.0KW	1597.5	7532.5	220	7532.5
IK3-750.0KW	2197.5	10422.5	220	10422.5
IK3-1000.0KW	2997.5	13812.5	220	13812.5

Detailed Technical Data

Parameter	Value
Rated Voltage	220V
Frame Size	130mm
Rated Current	8.2A
Max Current	24.6A
Pole Pairs	5
Max Torque	21.5 Nm
Torque Constant	0.873 Nm/A
Voltage Constant	55 V/krpm
Line Resistance	0.7 Ω
Line Inductance	6.1 mH

Mechanical Dimensions

Dimensions with Brake Options

- Length without brake: 181mm
- Length with brake: 215mm

Features & Applications

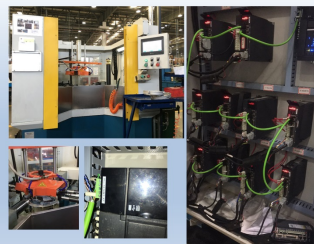
• iK3 CANOpen in non-standard tapping



- 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



Supported Encoders

Absolute Encoder • Incremental Encoder • Rotary Encoder

Application Fields

Jointed Robots, Picking Robots, CNC Milling, Engraving Machines, Electronic Equipment