

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

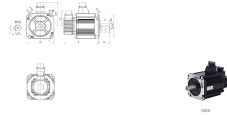
3000 rpm

Max Speed

7.16 Nm

Rated Torque

Technical Specifications



Model	Max. Torque (Nm)	Max. Current (A)	Rated Current (A)	Rated Voltage (V)
IK3-400W	1.5	7.5	7.5	220
IK3-1.5KW	6.3	31.5	31.5	220
IK3-2.2KW	8.8	44	44	220
IK3-3KW	11.3	56.5	56.5	220
IK3-4KW	14.8	74	74	220
IK3-5.5KW	19.8	99	99	220
IK3-7.5KW	26.3	136.5	136.5	220
IK3-11KW	39.3	196.5	196.5	220
IK3-15KW	52.8	264	264	220
IK3-22KW	74.8	374	374	220
IK3-30KW	99.3	496.5	496.5	220
IK3-40KW	132.8	664	664	220
IK3-55KW	178.3	909	909	220
IK3-75KW	243.3	1216.5	1216.5	220
IK3-110KW	324.8	1716	1716	220
IK3-150KW	432.8	2296.5	2296.5	220
IK3-220KW	578.3	3159	3159	220
IK3-300KW	773.3	4166.5	4166.5	220
IK3-400KW	1028.3	5576	5576	220
IK3-550KW	1373.3	7706.5	7706.5	220
IK3-750KW	1828.3	10446	10446	220
IK3-1100KW	2438.3	14126.5	14126.5	220
IK3-1500KW	3238.3	18816	18816	220
IK3-2200KW	4318.3	25716	25716	220
IK3-3000KW	5718.3	34266	34266	220

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



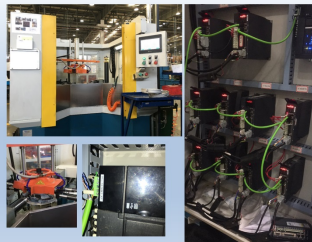
- iK3-400W 4 sets
- iK3-1.5KW 6 sets
- M series 23 Bit motor



- 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