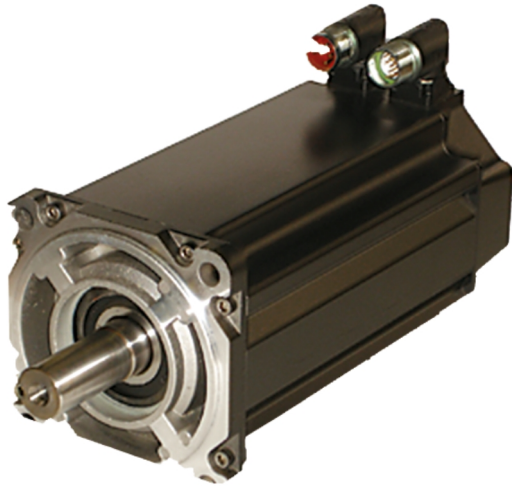


Catalogue No: **MPL-A320P-SJ72AA**

SERVO MOTOR 5000RPM 3.05Nm SINGLE TURN NO BRAKE KEYED

Automation Systems > Motion Systems > Servo Motors and Cables > Allen-Bradley MP Series Servo Motors > MP-Series™ Low Inertia (MPL) Servo Motors > MP-Series™ Low Inertia 230 V AC Motors



Low-Inertia Brushless Servo Motors Product, 230 V, Frame Size 3 = 100mm (3.94 in.), Stack Length 20 = 50.8mm (2.0 in.), 5000 RPM, Single-turn High-resolution Encoder. Keyed Shaft , SpeedTEC DIN Connector, No Brake

- Continuous stall torque of 0.26 to 163Nm (2.3 to 1440lb-in.)
- Peak torque of 0.77 to 278Nm (6.8 to 2460lb-in.)
- Integral 24V brake option
- Absolute multi-turn and single-turn high resolution, incremental encoder and resolver feedback options
- Low-profile, field-reversible motor connectors for minimal servo motor impact on machine design
- DIN connector versions allow flexible orientation of connectors and use of a single cable family with all MP-Series motors

Representative Photo Only
(actual product may vary based on configuration selections)

SPECIFICATIONS

Product Series	MPL Low Inertia
Component Type Motion Control	Rotary Servo Motor
Mounting, Motor	Flange Mount, Metric
Brake	No Y / N
Food Grade	No
Connector, Motor End	SpeedTec DIN (Type M7)
Keyed Shaft	Yes Y / N
Feedback Type	Absolute Single-turn type
Feedback Resolution	Sin/Cos, 1024 cycles/rev resolution
Feedback Protocol	Hiperface protocol
Speed, Rated	5000 rpm
Speed, Max	5000 rpm
Magnet Stack Length	20 = 50.8mm
Frame Size	Frame 3 / Frame 100 = 100mm size
Voltage Class	200 V AC
Shaft Seal	No Y / N
Special / Custom	No
Output Torque, Continuous	3.05 Nm, continuous
Output Torque, Peak	7.91 Nm
Compatible Drive Series'	Kinetix 5500 (Bul. 2198) compatible Kinetix 6200 / 6500 (Bul. 2094) Kinetix 6000 (Bul. 2094) Kinetix 300 (Bul. 2097) Kinetix 350 (Bul. 2097) Kinetix 2000 (Bul. 2093) Kinetix 7000 (Bul. 2099) Ultra 3000 (Bul. 2098)
Rated Power, Continuous	1.3 kW continuous
Rotor Inertia	7.8E-05 kg m ² , rotor
Operating Temperature, Max	40 °C max

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Operating Temperature, Min	0 °C min
Storage Temperature, Max	70 °C max
Storage Temperature, Min	-30 °C min
Relative Humidity, Min	5 %RH
Relative Humidity, Max	95 %RH
Weight	3.7 kg
IP Rating	IP50 IP66
Details, IP Rating	IP50 minimum, without shaft seal; IP66 with optional shaft seal and use of environmentally sealed cable connectors
Shock Acceleration (Max.)	20 g
Shock Duration (Max.)	6 ms
Vibration Acceleration (Max.)	2.5 m/s ²
Vibration Frequency, Operational (Max.)	2000 Hz

REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	-
Manufacturer Catalogue & Product Selection:	-