



Mitsubishi Electric

HF-SP102

#discontinued - AC brushless rotary servo motor with straight shaft + built-in absolute feedback encod. (18-bit) - Mitsubishi Electric (MELSERVO J3 - HF-SP series) - Rated output 1000W / 1kW - 18-bit (equivalent to 260000ppr) feedback - Rated current 5.3A - Supply voltage 200Vac class - Rated torque 4.77Nm nominal - Rated rotational speed 2000rpm - 130x130mm flange mounting - IP67 - rated for 0...+40°C ambient - equivalent to HFSP102

Specifications

Primary brand	Mitsubishi Electric
Main function	AC servo motor
Product series / family name	Industrial automation > Drive products > Servo systems > AC Servo motors > MELSERVO J3 series
Sub-range name	MELSERVO J3 - HF-SP series
Functions	AC brushless rotary servo motor
Design	straight shaft built-in absolute feedback encod. (18-bit) medium inertia / medium power capacity
Supply voltage (AC)	200Vac class
Rated current	5.3A 15.9A (max. current)
Rated active power (kW)	1000W / 1kW
Rotational speed	2000rpm 3000rpm (maximum)
Torque	4.77Nm nominal
Maximum torque	14.3Nm
Moment of inertia	0.00119kg.m ² (11.9kg.cm ²)
Mounting mode	130x130mm flange mounting
Resolution	18-bit (equivalent to 260000ppr) feedback
Degree of protection	IP67
Dimensions	H177.5mm x W130mm x D195.5mm

Net Height (mm)	177.5 mm
Net Width (mm)	130 mm
Net Depth (mm)	195.5 mm
Ambient air temperature for operation	0...+40 °C
Ambient air temperature for storage	-15°C...+70 °C
Order code / Manufacturer SKU	HF-SP102
Manufacturer product status	Discontinued
Equivalent to	HFSP102
Manufacturer description	SRVMTR 1KW

Benefits

medium inertia
two types of the rated speed are available
application for material handling systems
robots
x-y tables

Documents

[Mitsubishi Electric - MELSERVO J3 series - Catalogue.pdf](#)

[Mitsubishi Electric - MELSERVO J3 series - LM Linear servo - Catalogue.pdf](#)

[Mitsubishi Electric - MR-J3 Servo Brochure.pdf](#)