

HG105S-D48 Mitsubishi four-axis motor

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Price: \$749.96

Categories: CNC

Tags: Mitsubishi

Product Link:

<https://www.elecspares.com/product/hg105s-d48-mitsubishi-four-axis-motor/>

Product Description

HG105S-D48 Brand new Mitsubishi four-axis motor original spot clearance negotiable price

Model Number: HG105S-D48

Manufacturer: Mitsubishi Electric

Product Type: AC Servo Motor

Series: HG Series (Known for medium inertia, suitable for general industrial machinery)

Key Technical Parameters:

Rated Output: 1000W / 1kW

Supply Voltage: 200V AC

Rated Current: 3.7A

Rated Speed: 4000 RPM (revolutions per minute)

Maximum Speed: 5000 RPM

Stall Torque: 3 Nm (Newton-meters)

Motor Inertia: 0.000512 kg·m² (5.12 kg·cm²)

Encoder: Built-in absolute feedback encoder

Resolution: 20-bit (equivalent to 1,048,576 pulses per revolution ppr)

Encoder Type: D48 (designates the specific 20-bit encoder)

Shaft Type: Straight shaft (S in HG105S)

Flange Mounting: 90x90mm flange

Degree of Protection: IP67 (Excluding the shaft-through portion), meaning it's well protected against dust ingress and immersion in water up to 1 meter.

Operating Temperature: 0 to 40°C (no freezing)

Compatibility and Applications:

Compatible Drive Unit: This motor is designed to be paired with specific Mitsubishi servo amplifiers, particularly from the MDS-E series (e.g., MDS-E-V1-, MDS-E-V2-, MDS-EM-SPV3-) and potentially others within the MELSERVO family (J2S, J3, J4, JN series). The "MDS-EM-

SPV3-10040" multi-hybrid drive unit is noted as a compatible option, capable of driving multiple servo axes.

Typical Applications:

CNC machinery

Robotics

Factory automation systems

Packaging machinery

Material handling equipment

General industrial machinery requiring precise, high-speed, and dynamic motion control.

Product Images



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