

Mitsubishi HG-MR73 Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	of Motor Brushless Servo Motor

Description

The HG-MR73 brushless servo motor from Mitsubishi is designed for applications requiring high efficiency and responsiveness. With a compact output of 750 watts, it operates effectively within the 200VAC voltage class and offers a maximum speed of 6000 RPM.

Technical specifications for HG-MR73

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-MR73

Weight 6.00 lbs (2.72 kg)

Type of Motor Brushless Servo Motor

Inertia Ultra-Low Inertia

Capacity Small Power Capacity

Shaft Design Standard (Straight)

Output Power 750 Watts

Voltage Class 200VAC Class

Current Rating 5.8 A

Peak Current 20 A

Rated Speed 3000 RPM

Maximum Speed 6000 RPM

Rated Torque 2.4 Nm

Maximum Radial Load 392 N

Maximum Axial Load 147 N

Maximum Torque 7.2 Nm

Operating Temperature 32 to 104 degrees Fahrenheit

Description

Mitsubishi's HG-MR73 is a brushless servo motor characterized by its high-performance features and compact size. Operating at an output power of 750 watts, this motor is suitable for various applications where an efficient power-to-weight ratio is crucial. It functions within the 200VAC voltage class and maintains operational integrity at rated currents of 5.8 A, with the capability to peak at 20 A when necessary.

Designed with ultra-low inertia, the HG-MR73 offers rapid acceleration and deceleration, making it highly responsive to control signals. It operates at a rated speed of 3000 RPM and can achieve maximum speeds of 6000 RPM to accommodate diverse operational demands. The motor provides a rated torque of 2.4 Nm and can deliver a peak torque of up to 7.2 Nm, giving it significant load-handling capabilities.

Engineered for stability, the HG-MR73 can support radial loads up to 392 N and has a maximum axial load rating of 147 N, allowing it to perform effectively in varied applications. The standard straight shaft design promotes ease of integration into existing systems. Operating within a temperature range of 32 to 104 degrees Fahrenheit, the motor maintains its performance across typical industrial environments.

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