

Mitsubishi HG-MR43B Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	AC Servo Motor

Description

The HG-MR43B is an AC servo motor from Mitsubishi's HG Series. Designed to operate within a 200V class, this unit features a straight shaft and connects via a 4-pin rectangular connector. It provides a rated output of 0.4 kW and supports operation at a rated speed of 3000 r/min, with a small capacity. Its maximum torque reaches 3.8 Nm, with a rated torque of 1.3 Nm.

Technical specifications for HG-MR43B

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-MR43B

Weight 10.00 lbs (4.54 kg)

Device Type AC Servo Motor

Voltage Class 200V Class

Connection Type 4-Pin Rectangular Connector

Shaft Shape Straight Shaft

Rated Torque 1.3 Nm

Maximum Torque 3.8 Nm

Rated Current 2.6 A

Maximum Current 9 A

Inertia Ultra-Low Inertia

Capacity Small Capacity

Rated Output 0.4 kW

Rated Speed 3000 r/min

Brake Electromagnetic Brake

Maximum Speed 6000 r/min

Description

Mitsubishi's HG-MR43B is categorized as an AC servo motor suitable for various precision tasks. It operates efficiently at a voltage rating 200V, fitting seamlessly into standard industrial systems. It utilizes a 4-pin rectangular connector for straightforward integration and features a straight shaft design.

The motor delivers a rated output of 0.4 kW, ideal for smaller capacity applications. Its rated torque of 1.3 Nm, with a peak performance torque of 3.8 Nm, facilitates reliable performance under different load conditions. Designed for nimble operation, this motor can reach a speed of 3000 r/min under normal conditions and achieve a maximum speed of 6000 r/min when required.

Its ultra-low inertia design further complements energy efficiency, providing enhanced reaction times essential for applications demanding precision. The motor's rating also allows for a maximum current draw of 9 A, with standard operation at 2.6 A. Including an electromagnetic brake offers safety and control, ensuring the motor stops reliably when power is cut. The HG-MR43B from Mitsubishi represents a compact, efficient solution for modern automation challenges.

Technical Specifications

Manufacturer Mitsubishi
Product Line HG Series
Part Number HG-MR43B
Weight 10.00 lbs (4.54 kg)
Device Type AC Servo Motor
Voltage Class 200V Class
Connection Type 4-Pin Rectangular Connector
Shaft Shape Straight Shaft
Rated Torque 1.3 Nm
Maximum Torque 3.8 Nm
Rated Current 2.6 A
Maximum Current 9 A
Inertia Ultra-Low Inertia
Capacity Small Capacity
Rated Output 0.4 kW
Rated Speed 3000 r/min
Brake Electromagnetic Brake
Maximum Speed 6000 r/min

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