

Mitsubishi HG-MR73B Manual

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

Description

The HG-MR73B from Mitsubishi is a rotary servo motor designed for precise motion control applications. It operates effectively at a rated speed of 3000 r/min and features an electromagnetic brake for enhanced control.

Technical specifications for HG-MR73B

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-MR73B

Weight 10.00 lbs (4.54 kg)

Type of Product Rotary Servo Motor

Rated Speed 3000 r/min

Brake Electromagnetic Brake

Oil Seal Not Included

IP Rating IP65

Shaft Shape Straight Shaft

Supply Voltage Class 200VAC Class

Rated Current 5.8 Amps

Maximum Current 20 Amps

Maximum Speed 6000 r/min

Inertia Ultra-Low Inertia

Capacity Small Power Capacity

Rated Output 0.75 kW

Description

Mitsubishi's HG-MR73B rotary servo motor is a compact solution engineered for efficient motion control. Designed with a rated output of 0.75 kW, it features a straight shaft configuration that facilitates straightforward integration into various applications. This servo motor's standard operation speed is rated at 3000 r/min, while it can reach a maximum speed of up to 6000 r/min, allowing it to adapt to varying operational requirements.

Rated for a supply voltage of 200VAC, the motor consumes a current of 5.8 amps under normal conditions and can sustain peaks up to 20 amps, providing flexibility in handling different loads. An electromagnetic brake aids in securing, stopping, and holding the motor's position when necessary.

The IP65 ingress protection rating ensures the motor is adequately shielded against dust and water infiltration, making it suitable for use in environments with demanding conditions. The motor's ultra-low inertia characteristics enhance its responsiveness, making it well-suited for applications that require rapid acceleration and deceleration. Overall, the HG-MR73B rotary servo motor offers a reliable and efficient solution for small-scale applications where precision and control are crucial.

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