

Mitsubishi HG-MR13B Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	-

Description

The HG-MR13B is a highly efficient servo motor from Mitsubishi's HG Series. It delivers a rated output of 0.1 kW and operates at a rated speed of 3000 revolutions per minute, reaching a maximum speed of 6000 r/min.

Technical specifications for HG-MR13B

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-MR13B

Weight 1.50 lbs (0.68 kg)

Motor Servo Motor

Inertia Ultra-Low Inertia

Capacity Small Capacity

Rated Output 0.1 kW

Rated Speed 3000 r/min

Electromagnetic Brake Included

Oil Seal Not Included

Maximum Speed 6000 r/min

Shaft Shape Straight

Rated Torque 0.32 Nm

Maximum Torque 0.95 Nm

Rated Current 0.9A

Maximum Current 2.5A

Description

Mitsubishi's HG-MR13B is designed as a compact servo motor renowned for its ultra-low inertia characteristics. Operating with a rated output capacity of 0.1 kW, it efficiently drives applications needing precise motion control. The motor maintains a rated speed of 3000 r/min, which can reach a maximum operational speed of 6000 r/min, ensuring versatile performance.

With a shaft designed in a straight configuration, this motor is engineered to accommodate a variety of setups. It provides a rated torque of 0.32 Nm, essential for managing moderate loads while offering a maximum torque of 0.95 Nm for demanding conditions. Current ratings support a maximum current of 2.5A, while the rated current remains at 0.9A, allowing it to function effectively within specified limits.

The HG-MR13B includes an electromagnetic brake for enhanced control, providing reliable stopping capabilities during operation. It is important to note that an oil seal is omitted, which may be relevant depending on the application's environmental conditions. Overall, Mitsubishi's HG-MR13B servo motor is well-suited for tasks requiring precision and responsive performance in small-capacity applications.

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