

Mitsubishi HG-SR152BJ Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	22-Bit Absolute Encoder

Description

The HG-SR152BJ from Mitsubishi represents a brushless servo motor offering robust performance with a rated output of 1.5 kilowatts and operational versatility. Capable of achieving a rotational speed of 2000 rpm with a maximum of 3000 rpm, the motor effectively meets various application demands.

Technical specifications for HG-SR152BJ

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-SR152BJ

Weight 12.00 lbs (5.44 kg)

Rated Output 1.5 kilowatts

Oil Seal Included

Electromagnetic Brake Included

Rated Current 9.4 A

Rotational Speed 2000 rpm

Maximum Current 29 A

Maximum Speed 3000 rpm

Nominal Torque 7.2 Nm

Maximum Torque 21.5 Nm

Supply Voltage Class 200V AC Class

Encoder Type 22-Bit Absolute Encoder

Mounting Mode 130x130 mm Flange Mounting

Operating Temperature 32 to 104 °F

Storage Temperature 5 to +158 °F

Type of Product Brushless Servo Motor

Description

Mitsubishi's HG-SR152BJ brushless servo motor is designed for high efficiency and performance in numerous applications. The rated output power of 1.5 kilowatts allows it to deliver considerable operational capability. When performing under load, the motor operates at a rated current level of 9.4 A, but it can handle maximum current spikes up to 29 A as required.

This motor generates a nominal torque of 7.2 Nm, with the capacity to achieve a peak torque of 21.5 Nm. Its functionality extends with a rotational speed of 2000 rpm, which can be increased to a maximum speed of 3000 rpm, ensuring it meets performance needs in various settings. An integrated 22-bit absolute encoder facilitates precise motion control and feedback, which is essential for applications that rely on accurate positioning.

The HG-SR152BJ's robust design also includes an electromagnetic brake, providing enhanced safety through reliable stop capabilities. It features an oil seal to protect against environmental contaminants, ensuring longevity and durability. This unit is mounted using a 130x130 mm flange design, simplifying installation procedures.

When considering operational environments, the motor is rated for use within an ambient temperature range of 32 to 104 °F. It can withstand conditions from 5 to +158 °F for storage, highlighting its versatility in various environmental conditions. This brushless servo motor is well-suited for high-demand applications, delivering steady performance and reliability.

Technical Specifications

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-SR152BJ

Weight 12.00 lbs (5.44 kg)

Rated Output 1.5 kilowatts

Oil Seal Included

Electromagnetic Brake Included

Rated Current 9.4 A

Rotational Speed 2000 rpm

Maximum Current 29 A

Maximum Speed 3000 rpm

Nominal Torque 7.2 Nm

Maximum Torque 21.5 Nm

Supply Voltage Class 200V AC Class

Encoder Type 22-Bit Absolute Encoder

Mounting Mode 130x130 mm Flange Mounting

Operating Temperature 32 to 104 °F

Storage Temperature 5 to +158 °F

Type of Product Brushless Servo Motor