Mitsubishi □□ □□□ □□□ Series Service Manual

HG-SR152J

1. Description

The HG-SR152J model from Mitsubishi's HG Series is an efficient brushless servo motor designed for various applications requiring precise control. With a rated active power output of 1.5 kW and able to operate at a rated speed of 2000 rpm, it effectively meets intermediate capacity needs.

2. Specifications

Specification	Value
Manufacturer	**Mitsubishi**
Product	**Line HG Series**
Part	**Number HG-SR152J**
Weight	**12.00 lbs (5.44 kg)**
Motor	**Brushless Servo Motor**
Rated	**Current 9.4A**
Supply	**Voltage 200VAC Class**
Inertia	**Type Medium Inertia**
Connection	**Type 2 MS-Type Connectors**
Rated	**Active Power 1.5kW**
Rated	**Speed 2000 rpm**
Nominal	**Torque 7.2 Nm**
Maximum	**Torque 21.5 Nm**
IP	**Rating IP67**
Oil	**Seal Included**
Maximum	**Current 29A**
Capacity	**Medium Capacity**

3. Product Information

The HG-SR152J model from Mitsubishi's HG Series is an efficient brushless servo motor designed for various applications requiring precise control. With a rated active power output of 1.5 kW and able to operate at a rated speed of 2000 rpm, it effectively meets intermediate capacity needs.

Technical specifications for HG-SR152J

www.AutoDCSTech.com

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-SR152J

Weight 12.00 lbs (5.44 kg)

Motor Brushless Servo Motor

Rated Current 9.4A

Supply Voltage 200VAC Class

Inertia Type Medium Inertia

Connection Type 2 MS-Type Connectors

Rated Active Power 1.5kW

Rated Speed 2000 rpm

Nominal Torque 7.2 Nm

Maximum Torque 21.5 Nm

IP Rating IP67

Oil Seal Included

Maximum Current 29A

Capacity Medium Capacity

Description

The HG-SR152J brushless servo motor from Mitsubishi is structured for effective performance in a range of industrial settings. It operates at a supply voltage of 200VAC, making it suitable for various power configurations. This motor is rated for a power output of 1.5 kW, providing adequate energy for medium-capacity applications. When it runs at a rated speed of 2000 rpm, it offers great efficiency and speed control.

With nominal torque measured at 7.2 Nm and maximum torque reaching up to 21.5 Nm, this motor is capable of handling demanding tasks with ease. It features medium inertia, allowing for rapid acceleration and deceleration. Its rated current of 9.4 A ensures reliable performance, while it can manage maximum current levels of 29 A when needed.

The design includes two MS-type connectors facilitating simple connections. Furthermore, the HG-SR152J is equipped with an oil seal, which protects internal components from contamination, enhancing its longevity. It also boasts an IP67 rating, indicating excellent resistance to dust and moisture ingress, making it ideal for use in harsher environments.

Overall, the HG-SR152J is a well-rounded brushless servo motor that delivers high performance with durability.