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

HG-SR352J

1. Description

The HG-SR352J brushless servo motor from Mitsubishi is engineered to provide reliable performance in medium capacity applications. Rated at 3.5 kW, this motor operates at a nominal speed of 2000 rpm while capable of reaching a maximum speed of 3000 rpm. Featuring a medium inertia design, it ensures smooth operation in varied industrial conditions.

2. Specifications

Specification	Value
Manufacturer	**Mitsubishi**
Product	**Line HG Series**
Part	**Number HG-SR352J**
Weight	**12.00 lbs (5.44 kg)**
Type	**of Motor Brushless Servo Motor**
Voltage	**Class 200VAC Class**
Inertia	**Medium Inertia**
Output	**Power 3.5 kW**
Rated	**Speed 2000 RPM**
Nominal	**Torque 16.7 Nm**
Maximum	**Speed 3000 RPM**
Maximum	**Torque 50.1 Nm**
Degree	**of Protection IP67**
Operating	**Temperature 0 to 40 degrees Celsius**
Motor	**Capacity Medium Capacity**
Oil	**Seal Included**

3. Product Information

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Technical specifications for HG-SR352J

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Product Line HG Series

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Nominal Torque 16.7 Nm

Maximum Speed 3000 RPM

Maximum Torque 50.1 Nm

Degree of Protection IP67

Operating Temperature 0 to 40 degrees Celsius

Motor Capacity Medium Capacity

Oil Seal Included

Description

The Mitsubishi HG-SR352J is categorized as a brushless servo motor, specifically designed for medium capacity needs. It boasts an output power of 3.5 kW, ensuring that it meets various demands effectively. This motor is rated for a nominal speed of 2000 RPM and has the ability to reach up to 3000 RPM when necessary.

With a medium inertia characteristic, the HG-SR352J allows for responsive and stable performance, making it suitable for dynamic applications. The nominal torque rating is 16.7 Nm, while the maximum torque capability reaches 50.1 Nm, providing ample power for diverse tasks.

Housed in an enclosure with an IP67 rating, this motor has robust protection against moisture and particulate ingress, enhancing its reliability in challenging environments. It operates within a temperature range starting from 0 degrees Celsius and goes up to 40 degrees Celsius. Additionally, the inclusion of an oil seal in its design further extends its operational lifespan and suits it well for applications that may involve lubricants.

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