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

HG-SR202J

1. Description

The HG-SR202J is a robust AC servo motor from Mitsubishi's HG series. This particular unit operates under a voltage class of 200V AC and provides a rated active power of 2kW. Its nominal torque measures 9.5Nm at a standard speed of 2000rpm, while it can reach a peak speed of 3000rpm, suitable for various applications.

2. Specifications

Specification	Value
Manufacturer	**Mitsubishi**
Product	**Line HG Series**
Part	**Number HG-SR202J**
Weight	**12.00 lbs (5.44 kg)**
Rated	**Current 9.6A**
Voltage	**Class 200V AC Class**
Rated	**Active Power 2kW**
Rotational	**Speed 2000rpm**
Torque	**9.5Nm Nominal**
Connection	**Type 2 MS-Type Connectors**
Mounting	**Mode 176x176mm Flange Mounting**
IP	**Rating IP67**
Inertia	**Medium Inertia**
Operating	**Temperature 0 to 40 degrees Celsius**
Capacity	**Medium Capacity**
Oil	**Seal Included**
Maximum	**Speed 3000rpm**
Maximum	**Current 31A**

3. Product Information

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Technical specifications for HG-SR202J

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-SR202J

Weight 12.00 lbs (5.44 kg)

Rated Current 9.6A

Voltage Class 200V AC Class

Rated Active Power 2kW

Rotational Speed 2000rpm

Torque 9.5Nm Nominal

Connection Type 2 MS-Type Connectors

Mounting Mode 176x176mm Flange Mounting

IP Rating IP67

Inertia Medium Inertia

Operating Temperature 0 to 40 degrees Celsius

Capacity Medium Capacity

Oil Seal Included

Maximum Speed 3000rpm

Maximum Current 31A

Description

Mitsubishi's HG-SR202J model is a highly functional AC servo motor engineered for versatility and reliability. Operating at a voltage of 200V AC, it delivers a rated active power output of 2kW, positioning it effectively for medium capacity operations. This motor is capable of achieving a standard rotational speed of 2000rpm, with the ability to accelerate to a maximum speed of 3000rpm, catering to varying operational demands.

The torque produced by this servo motor is rated at 9.5Nm nominal, providing sufficient force for most applications. It also features an excellent design with two MS-type connectors for straightforward integration into existing systems. The mounting configuration of the HG-SR202J is based on a standard flange measuring 176x176mm, which supports easy installation and stability.

Constructed to withstand a range of environmental conditions, this unit is rated IP67, indicating its capacity to resist dust and water ingress. The medium inertia characteristic ensures smooth and responsive operation. Additionally, an oil seal is included to enhance durability and protect the internal components from contaminants. The operating temperature range for this motor extends from 0 to 40 degrees Celsius, allowing it to function effectively in common industrial environments. Overall, the HG-SR202J AC servo motor is a suitable choice for various applications requiring a dependable performance.

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