

Mitsubishi HG-KR13J Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	Low-Inertia Brushless Servo Motor

Description

The HG-KR13J model from Mitsubishi's HG Series is a low-inertia brushless servo motor designed for efficient performance. It features a rated output of 0.1 kW and operates at a rated speed of 3000 RPM with a maximum speed capability of up to 6000 RPM.

Technical specifications for HG-KR13J

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-KR13J

Weight 1.44 lbs (0.65 kg)

Servo Motor Type Low-Inertia Brushless Servo Motor

Rated Speed 3000 RPM

Output Power 0.1 kW

Shaft Type Straight

Protection Class IP65

Rated Torque 0.32 Nm

Maximum Torque 1.1 Nm

Maximum Speed 6000 RPM

Temperature 0 to 40 degrees Celsius

Capacity Small Power Capacity

Oil Seal Supported

Description

The Mitsubishi HG-KR13J is classified as a low-inertia brushless servo motor within the renowned HG Series. This unit is engineered for precise control and performance stability, operating seamlessly at a rated speed of 3000 RPM, with the ability to reach a maximum speed of 6000 RPM when demanded. The motor's output power is rated at 0.1 kW.

The design features a straight shaft, contributing to its ease of integration into a variety of mechanical systems. This model provides a rated torque value of 0.32 Nm, while achieving a maximum torque of 1.1 Nm, indicating its capability to handle moderate loading conditions effectively. The protection class is rated at IP65, ensuring that this motor is safeguarded against the intrusion of dust and water, which is essential for reliable operations in challenging environments.

This servo motor is suitable for a temperature operating range of 0 to 40 degrees Celsius, making it appropriate for general industrial applications. The HG-KR13J also supports an oil seal, which adds to its durability and reliability over time. Overall, this motor represents a practical choice for small power capacity needs without compromising performance quality.

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