

Mitsubishi HG-KR73BJ Manual

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

Description

Mitsubishi's HG-KR73BJ is a robust brushless AC servo motor designed for high-performance applications. It operates effectively in a 200VAC class environment and features an output power rating of 0.75 kW.

Technical specifications for HG-KR73BJ

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-KR73BJ

Encoder Type 22-Bit Absolute Encoder

Rotational Speed 3000 rpm

Maximum Speed 6000 rpm

Rated Torque 2.4 Nm Nominal

Electromagnetic Brake Included

Voltage Class 200VAC Class

Current Rating 4.8 Amps

Maximum Torque 8.4 Nm

IP Rating IP65

Shaft Type Straight Shaft

Maximum Current 17 Amps

Oil Seal Included

Inertia Low Inertia

Output Power 0.75 kW

Type of Product Brushless AC Servo Motor

Description

The HG-KR73BJ from Mitsubishi is a high-efficiency brushless AC servo motor that excels in demanding applications. This model is characterized by its superior 22-bit absolute encoder, providing precise positional feedback and control. It reaches a rated torque of 2.4 Nm, with a maximum torque capability of 8.4 Nm.

This servo motor operates optimally at a rotational speed of 3000 rpm, with a provision to reach a maximum rotational speed of 6000 rpm. These specifications allow for versatile performance in various tasks. The unit is rated for a voltage class of 200VAC, with a current rating of 4.8 amps and supporting up to 17 amps at peak current.

The design includes an electromagnetic brake for enhanced stopping capability and safety features. Additionally, the HG-KR73BJ motor is IP65 rated, providing a level of protection against dust and water jets, making it suitable for use in harsher environments.

Integrated oil seals assist in safeguarding against contaminants, contributing to the longevity of the motor. The low inertia characteristic of the motor enables swift response and accurate control during operation, making it an ideal choice for precision tasks.

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