

Mitsubishi HG-KR73J Manual

Brand	Mitsubishi
Product Series	Mitsubishi Pepperl+Fuchs Omron
Product Type	Servo Motor

Description

The Mitsubishi Electric HG-KR73J servo motor from the MELSERVO series is a low-inertia and small-capacity industrial servo motor. It has a rated output power capacity of 0.75 kW, and it operates with 2.4 Nm of rated torque. The HG-KR73J servo motor typically operates at a rated speed of 3000 RPM, and it can operate at a maximum speed of 6000 RPM. This IP65-rated motor is suitable for low-inertia applications in CNC machines, robotic arms, and industrial motion control systems.

Technical specifications for HG-KR73J

Manufacturer Mitsubishi

Product Line HG Series

Part Number HG-KR73J

Weight 11.00 lbs (4.99 kg)

Type Servo Motor

Series MELSERVO

Rated Output Power 0.75 kW

Rated Torque 2.4 Nm

Maximum Torque 8.4 Nm

Rated Speed 3000 rpm

Maximum Speed 6000 rpm

Power Supply 200V AC power supply

Encoder Type 22-bit encoder

Encoder Resolution 4194304 pulses per revolution

Enclosure Rating IP65

Description

The Mitsubishi Electric HG-KR73J motor is a general-purpose servo motor. It is part of the MELSERVO servo motor series, and it is a low-inertia and small-capacity type of servo motor. The HG-KR73J servo motor has a rated output power capacity of 0.75 kW. It also operates with 2.4 Nm of rated torque and 8.4 Nm of maximum torque. The HG-KR73J servo motor's typical rated speed is 3000 rpm, and its maximum rated speed is 6000 rpm. For standard operation, it requires a 200V AC power supply. The HG-KR73J servo motor also requires a compatible servo amplifier to control it. The HG-KR73J servo motor has a high-quality 22-bit encoder which is often found in absolute position and incremental systems. This encoder has a resolution of 4194304 pulses per revolution. The HG-KR73J servo motor has a standard straight shaft design. The HG-KR73J servo motor can be used in low-inertia applications in CNC machines, robotic arms, industrial automation, and motion control systems. Its enclosure has an IP65 protection rating, and it is resistant to significant amounts of dust and water, making it suitable for use in harsh industrial environments. This servo motor includes an oil seal that protects it from oil. The HG-KR73J servo motor does not have an electromagnetic brake or a thermistor. This servo motor operates with 4.8 Amps of rated current and with 17 Amps of maximum current. The HG-KR73J servo motor can operate at 0 to 40 degrees Celsius in non-freezing conditions, and it can be stored at -15 to 70 degrees Celsius in non-freezing conditions.

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