

MDSBSPJ2-110

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	mds-b-spj2-110
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Voltage	200 - 230 V
Frequency	50 - 60
Product Type	Drive
Signal Level	230 V
Measurement Range	200 - 230

Description

The Mitsubishi MDS-B-SPJ2-110 is a high-performance spindle drive unit designed for precision control in CNC applications. Part of the MDS-B-SPJ2 series, this model offers a rated output of 11.0 kW, ensuring robust power delivery for demanding machining tasks. It operates efficiently within a voltage range of 200 to 230 V and supports both 50 and 60 Hz frequencies, making it adaptable to various industrial power standards. The drive unit is engineered to maintain optimal performance in ambient temperatures ranging from 0°C to 55°C, with storage capabilities extending from -20°C to 65°C. Its compact dimensions of 168 mm in height, 70 mm in width, and 135 mm in depth, along with a weight of 1.0 kg, facilitate easy integration into existing systems. The MDS-B-SPJ2-110 employs a sinusoidal PWM control method with current control type vector control, ensuring precise speed and torque regulation. Protective features include overcurrent, overvoltage, and overload shutoff, as well as undervoltage protection and regenerative resistor overheat protection, safeguarding both the drive unit and connected machinery. This spindle drive unit is ideal for applications requiring high torque and speed stability, such as precision machining and automated manufacturing processes.