

MDS-DH-SP-100

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	mds-dh-sp-100
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	5.49 kgs
Product Type	Drive
Signal Level	400 V
Current	100 A
Rated Output Current	30 A
Peak Nominal Current	100 A
Input Voltage Range	513 to 648 V DC
Output Voltage	340 V AC
Control Power Supply Voltage	380 to 440 V AC (50 Hz) or 380 to 480 V AC (60 Hz)
Cooling Mechanism	Forced Air Circulation
Enclosure Design	IP20 (main) / IP00 (terminals)
Unit Mass	7.5 kg

Description

The Mitsubishi MDS-DH-SP-100 is a high-performance spindle drive unit designed for precision control in CNC applications. Manufactured by Mitsubishi, this unit delivers a rated output current of 30 A and supports a peak nominal current of 100 A, ensuring reliable operation in demanding environments. It operates with an input voltage range of 513 to 648 V DC and provides an output voltage of 340 V AC. The control power supply voltage ranges from 380 to 440 V AC (50 Hz) or 380 to 480 V AC (60 Hz), accommodating various industrial power standards. The unit features forced air circulation for cooling and has an enclosure design rated at IP20 for the main unit and IP00 for the terminals. With a unit mass of 7.5 kg, it is suitable for integration into compact CNC systems. The Mitsubishi MDS-DH-SP-100 is ideal for applications requiring precise spindle control, such as in machining centers and other automated manufacturing processes.