

MDS-CH-V2-4535

Industrial automation components

Manufacturer	Mitsubishi
Catalog number	mds-ch-v2-4535
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	5.44 kgs
Voltage	400 V
Horsepower	3.5 KW
Product Type	Drive
Signal Level	400 V
Cooling Capacity	3.5 kW

Description

The Mitsubishi MDS-CH-V2-4535 is a dual-axis servo drive system engineered for high-performance motion control applications. Designed to deliver a total output power of 8 kW, it comprises two outputs: 4.5 kW and 3.5 kW, providing flexibility for various operational requirements. The drive operates with an output voltage of 456 VAC and offers dual output current ratings of 11.0 A and 8.4 A, ensuring compatibility with a range of servo motors. It accommodates an input voltage range from 513 to 648 VDC, with an input current rating of 18.1 A, facilitating integration into diverse industrial environments. The control supply voltage ranges from 380-440 VAC at 50Hz to 380-480 VAC at 60Hz, with a tolerance of $\pm 3\%$ for frequency, enhancing its adaptability. Utilizing PWM (Sine Wave) control methodology, the MDS-CH-V2-4535 ensures precise current regulation. It incorporates both regenerative and dynamic braking systems, contributing to reliable and efficient operation. The unit's maximum thermal output is rated at 345 W, and it can handle a maximum inrush current of 18 A. Designed with an open frame configuration, it adheres to the IP00 protection standard, making it suitable for various industrial applications. This servo drive system is ideal for applications requiring precise motion control, such as CNC machinery, robotics, and automated manufacturing systems.