

MDS-A-CV-110

Industrial automation components

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

Technical specification

Weight	6.40 kgs
Horsepower	11 KW
Cooling Capacity	11 kW
Power	11 kW
Product Type	Converter

Description

The Mitsubishi MDS-A-CV-110 is a high-performance AC spindle drive designed for precision control in industrial automation applications. Manufactured by Mitsubishi Electric, this unit is part of the MDS-A series, known for its compact design and efficient operation. The MDS-A-CV-110 delivers a continuous rated output of 11.0 kW, making it suitable for demanding CNC machine tools and other machinery requiring reliable spindle control. Key features include a standardized bookend-type outline for easy installation, low heat generation due to the incorporation of Intelligent Power Modules (IPM), and high-speed processing capabilities with a high-speed CPU for precise interpolation. The unit operates on a three-phase 200–230 V AC input and provides a DC output of 270–311 V with up to 41 A, ensuring stable power delivery to connected drives. Its rear-mounted fan cooling system and IP20 protection rating contribute to its durability and suitability for industrial environments. The MDS-A-CV-110 is compatible with Mitsubishi's MELDAS M500 Series NC system, offering seamless integration for advanced control applications. For detailed specifications and installation guidelines, refer to the manufacturer's manual.