

## MDS-A-CV-150

Industrial automation components

<b>Manufacturer</b>	Mitsubishi
<b>Catalog number</b>	mds-a-cv-150
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	6.80 kgs
<b>Power</b>	15 kW
<b>Cooling Capacity</b>	15 kW
<b>Voltage</b>	270 - 310 V
<b>Current</b>	74 A
<b>Horsepower</b>	15 KW
<b>Product Type</b>	Converter
<b>Signal Type</b>	310
<b>Signal Level</b>	310 V

### Description

The Mitsubishi MDS-A-CV-150 is a high-performance AC spindle drive unit designed for precise and dynamic spindle control in various industrial applications. Manufactured by Mitsubishi, this unit is part of the MDS-A series and is specifically engineered to deliver reliable power for servo systems. It operates within an input voltage range of 270 to 311 VDC and provides a current output of 74 Amps, ensuring efficient and stable performance. The MDS-A-CV-150 features advanced vector control and V/f control methods, optimizing motor performance and enhancing operational efficiency. It is equipped with comprehensive protection features, including overcurrent, overvoltage, undervoltage, overheat, short circuit, and ground fault protections, safeguarding both the unit and connected machinery. The unit is compatible with Mitsubishi's MELDAS M500 and B Series, making it suitable for integration into existing systems. Designed for industrial environments, it operates within a temperature range of 0 to 55°C and has a storage temperature range of -20 to 75°C, with a humidity tolerance of up to 90% RH (non-condensing). The MDS-A-CV-150 is a robust and reliable solution for applications requiring high-precision motor control and power conversion.