

## MDS-C1-CV-300

Industrial automation components

<b>Manufacturer</b>	Mitsubishi
<b>Catalog number</b>	mds-c1-cv-300
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Voltage</b>	270 - 311 V
<b>Current</b>	144 A
<b>Power</b>	30 KW
<b>Horsepower</b>	30 KW
<b>Cooling Capacity</b>	30 KW
<b>Product Type</b>	Converter
<b>Signal Type</b>	311
<b>Signal Level</b>	311 V
<b>Relay Specifications</b>	311 VAC
<b>Manufacturer</b>	Mitsubishi

### Description

The Mitsubishi MDS-C1-CV-300 is a high-performance AC servo converter power supply unit designed for industrial automation applications. Manufactured by Mitsubishi Electric, this unit delivers a rated output of 30.0 kW, providing reliable power for CNC and multi-axis servo systems. It operates on a three-phase AC input voltage of 200–230 VAC and supplies a regulated DC output voltage ranging from 270 to 311 VDC, with an output current capacity of up to 144 A. The unit features an integrated cooling fan to ensure effective heat dissipation during continuous operation and maintains a low operating noise level of less than 55 dB, making it suitable for control cabinets where noise reduction is essential. The MDS-C1-CV-300 is engineered to meet European safety standards, ensuring its suitability for various industrial environments. Its compact dimensions of 380 mm in height, 150 mm in width, and 255 mm in depth, along with a weight of approximately 9.5 kg, facilitate easy installation and integration into existing systems. This power supply unit is ideal for applications requiring robust and efficient power conversion, such as CNC machinery and complex automation systems.