

## MDS-B-V2-2020

Industrial automation components

<b>Manufacturer</b>	Mitsubishi
<b>Catalog number</b>	mds-b-v2-2020
<b>Category</b>	Industrial automation components
<b>Product type</b>	Industrial automation components
<b>Status</b>	Active product

### Technical specification

<b>Weight</b>	4.54 kgs
<b>Horsepower</b>	2 KW
<b>Voltage</b>	AC
<b>Cooling Capacity</b>	2 kW
<b>Product Type</b>	Drive

### Description

The Mitsubishi MDS-B-V2-2020 is a dual-axis AC servo drive unit designed for precise motion control in industrial automation applications. Manufactured by Mitsubishi Electric, this model offers a rated capacity of 2.0 kW per axis, ensuring robust performance for demanding tasks. It is compatible with specific motor models, including HAI000N, HAISONL, HAZOONL, HAI03NL, and HA1S53NL, providing flexibility in system integration. The drive operates with an output voltage of 155 V and supports a nominal output current of 13 A, with a continuous output current of 18.2 A and a peak output current of 42 A, accommodating various operational requirements. The control method utilizes sine wave PWM-based control, enhancing motor performance and minimizing noise. Additionally, the drive features regenerative and dynamic braking systems, contributing to smooth operation during load changes. Designed for reliability, the MDS-B-V2-2020 operates within a temperature range of 0°C to 55°C and can function effectively in environments with up to 90% ambient humidity, provided there is no condensation. This servo drive unit is ideal for applications requiring precise and efficient motion control, such as CNC machinery, robotics, and automated manufacturing systems.