# MDS-CH-SPH-150

Industrial automation components

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| **Manufacturer** | Mitsubishi |
| **Catalog number** | mds-ch-sph-150 |
| **Category** | Industrial automation components |
| **Product type** | Industrial automation components |
| **Status** | Active product |

## Technical specification

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|---|---|
| **Brand** | Mitsubishi |
| **Part Number** | MDS-CH-SPH-150 |
| **Product Type** | Spindle Drive Unit |
| **Rated Output** | 15.0 kW |
| **Input Voltage** | 200-230V AC V |
| **Control Method** | Vector control with servo feedback |
| **Protection Features** | Overcurrent, overvoltage, undervoltage, overtemperature |
| **Enclosure Rating** | IP20 |
| **Operating Temperature Range** | 0°C to 40°C |

## Description

The Mitsubishi MDS-CH-SPH-150 is a high-performance spindle drive unit designed for precision control in CNC applications. Manufactured by Mitsubishi Electric, this model is part of the MDS-C1/CH-N series, known for their reliability and advanced features.

The MDS-CH-SPH-150 offers a rated output of 15.0 kW, suitable for demanding machining tasks. It operates with an input voltage of 200-230V AC, accommodating both single-phase and three-phase configurations.

The drive utilizes vector control with servo feedback, ensuring precise motor control. Protection features include overcurrent, overvoltage, undervoltage, and overtemperature safeguards, enhancing operational safety.

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The unit is housed in an IP20 enclosure, suitable for standard industrial environments. Its operating temperature range is 0°C to 40°C, making it versatile for various settings. The MDS-CH-SPH-150 is compatible with Mitsubishi's MELDAS CNC systems, providing seamless integration for enhanced performance.

This spindle drive unit is ideal for applications requiring high-speed and high-precision control, such as milling, turning, and grinding operations.

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