

# MMF-12D24DS-CN1 Mitsubishi 24VDC 120x120x38mm Axial Fan Datasheet



**Brand:** Mitsubishi

**SKU:** [797289017192](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$34.99**

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**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/mmf-12d24ds-cn1-mitsubishi-24vdc-120x120x38mm-axial-fan>

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## Product Description

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The Mitsubishi MMF-12D24DS-CN1 is a high-efficiency Axial Fan engineered for rigorous industrial thermal management. Designed with advanced aerodynamic impeller geometry, this unit optimizes airflow while minimizing acoustic resonance. It features a robust DC motor architecture paired with a precision bearing system, ensuring low thermal impedance and extended operational longevity. The structural rigidity of the frame supports stable operation in high-vibration environments, making it an ideal solution for critical cooling applications requiring consistent static pressure and volumetric flow rates.

Model Number: MMF-12D24DS-CN1

Brand: Mitsubishi Electric

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.36 A

Power: 8.64 W

Rated Speed: 3250 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m<sup>3</sup>/h / 2.97 m<sup>3</sup>/min)

Max. Static Pressure: 8.2 mmH<sub>2</sub>O (80.4 Pa / 0.32 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Weight: 270 g

Life Expectancy: 60000 Hours @ 40°C

Noise Level: 44 dBA

Termination: 3-Wire with Connector

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CSA, TUV

This cooling unit is specifically engineered for thermal regulation in variable frequency drives and heavy-duty industrial electronics. The MMF-12D24DS-CN1 provides critical airflow to dissipate heat generated by IGBT modules and power capacitors within server cabinets and CNC control panels. Additionally, the MMF-12D24DS-CN1 is suitable for telecommunications equipment and medical instrumentation where reliable continuous operation is paramount to prevent thermal shutdown.

## Supplemental Images

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