

# MMF-12F24DS-CN1 Mitsubishi 24VDC 0.36A 120x120x38mm Axial Fan Datasheet



**Brand:** Mitsubishi

**SKU:** [981253264090](#)

**Category:** Axial & Centrifugal Fans

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

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Product Page:

<https://www.equipspares.com/product/mmf-12f24ds-cn1-mitsubishi-24vdc-0-36a-120x120x38mm-axial-fan>

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## Product Description

The Mitsubishi MMF-12F24DS-CN1 is a precision-engineered DC axial fan designed specifically for critical thermal management in industrial inverter systems and automation electronics. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining optimal thermal impedance within high-density electronic enclosures. The chassis is constructed for structural rigidity, ensuring stability under continuous operation and minimizing vibration-induced noise. Engineered with a robust ball bearing architecture, it reduces frictional coefficients and significantly extends the operational lifespan compared to sleeve bearing alternatives. This cooling solution is specifically calibrated to dissipate heat effectively, preventing thermal throttling in variable frequency drives and ensuring the longevity of sensitive semiconductor components.

Model Number: MMF-12F24DS-CN1

Brand: Mitsubishi Electric

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.36 A

Power Consumption: 8.64 W

Rated Speed: 3250 RPM

Max. Air Flow: 108.0 CFM (183.5 m<sup>3</sup>/h / 3.05 m<sup>3</sup>/min)

Max. Static Pressure: 8.50 mmH<sub>2</sub>O (83.3 Pa / 0.33 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Bearing Type: Dual Ball Bearing

Noise Level: 44 dBA

Termination: 2-Wire Leads

Housing Material: Reinforced Plastic (UL94V-0)

Impeller Material: Reinforced Plastic (UL94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Life Expectancy: 60,000 Hours at 40°C

Mounting Orientation: Any

Protection: Locked Rotor Protection, Reverse Polarity Protection

Weight: 260 g

The MMF-12F24DS-CN1 is primarily deployed in industrial automation environments, specifically serving as a critical cooling component for Mitsubishi variable frequency drives (VFDs) and heavy-duty power inverters. Its robust design makes the MMF-12F24DS-CN1 suitable for server rack ventilation, CNC control cabinets, and telecommunication power supply units where reliable heat dissipation is mandatory to maintain system integrity and prevent overheating failures.

## Supplemental Images

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