

# MMF-12F24DS-RM1 Mitsubishi 24VDC 120x120x38mm Axial Fan Datasheet



**Brand:** Mitsubishi

**SKU:** [947730743230](#)

**Category:** Axial & Centrifugal Fans

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

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Product Page:

<https://www.equipspares.com/product/mmf-12f24ds-rm1-mitsubishi-24vdc-120x120x38mm-axial-fan>

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## Product Description

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The Mitsubishi MMF-12F24DS-RM1 is a precision-engineered Axial Fan designed for rigorous thermal management in industrial inverter systems and power electronics. Utilizing advanced DC motor technology, this unit ensures optimal airflow efficiency while maintaining a compact footprint suitable for high-density integration. The aerodynamic blade design minimizes turbulence, thereby reducing acoustic noise and enhancing static pressure capabilities essential for overcoming resistance in electronic enclosures. Constructed with robust materials to withstand thermal stress, the fan features a durable bearing architecture that significantly lowers thermal impedance and extends operational service life. Its structural rigidity and precise balancing make it an ideal solution for critical cooling applications requiring consistent performance under continuous load.

Model Number: MMF-12F24DS-RM1

Brand: Mitsubishi Electric

Product Type: Axial Cooling Fan

Rated Voltage: 24 VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.36 A

Power Input: 8.64 W

Rated Speed: 3250 RPM

Bearing Type: Dual 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: 8.5 mmH<sub>2</sub>O (83.3 Pa / 0.33 inH<sub>2</sub>O)

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Life Expectancy: 60,000 Hours at 40°C

Noise Level: 44 dBA

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 3-Wire Leads with Connector

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, cUL, TUV

Sensor Output: Locked Rotor / Rotation Monitor

The MMF-12F24DS-RM1 is specifically engineered for critical thermal regulation within industrial automation environments, particularly serving as a primary cooling component for variable frequency drives and heavy-duty power inverters. Its robust design allows for seamless integration into server racks, CNC machinery control panels, and telecommunications infrastructure where sustained airflow is mandatory to prevent thermal throttling. Additionally, the MMF-12F24DS-RM1 is frequently utilized in medical instrumentation and power supply units, ensuring reliable heat dissipation in enclosed spaces subject to continuous operation.

## Supplemental Images

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