

# MMF-12D24DS-RN8 Mitsubishi 24VDC 120x120x38mm Axial Fan Datasheet



**Brand:** Mitsubishi

**SKU:** [771521353696](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$36.99**

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Product Page:

<https://www.equipspares.com/product/mmf-12d24ds-rn8-mitsubishi-24vdc-120x120x38mm-axial-fan>

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## Product Description

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The Mitsubishi MMF-12D24DS-RN8 is a precision-engineered axial fan designed to meet the rigorous thermal management demands of industrial automation and power conversion systems. Manufactured by Melco Technorex, this unit features a robust DC brushless motor architecture optimized for continuous operation in high-impedance environments. The aerodynamic impeller design ensures efficient airflow delivery while maintaining structural rigidity under thermal stress. Engineered for reliability, the fan utilizes a durable bearing system to minimize friction and extend operational service life, making it an ideal solution for critical cooling applications where consistent performance is paramount.

Model Number: MMF-12D24DS-RN8

Brand: Mitsubishi (Melco Technorex)

Product Type: Axial Cooling Fan

Rated Voltage: 24VDC

Operating Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.36 A

Power Consumption: 8.64 W

Dimensions: 120 x 120 x 38 mm

Bearing Type: Precision Ball Bearing

Rated Speed: 3250 RPM (Nominal)

Max. Air Flow: 108 CFM (183 m<sup>3</sup>/h)

Max. Static Pressure: 8.5 mmH<sub>2</sub>O (83 Pa)

Termination: 2-Wire Lead (Red +, Black -)

Frame Material: Reinforced Thermoplastic PBT (UL94V-0)

Impeller Material: Reinforced Thermoplastic PBT (UL94V-0)

Ingress Protection: IP20

Operating Temperature: -10°C to +60°C

Storage Temperature: -30°C to +70°C

Noise Level: 44 dBA

Weight: 260 g

Application: Inverter Cooling (Yaskawa Replacement)

Motor Protection: Impedance Protected

The MMF-12D24DS-RN8 is specifically configured for integration into variable frequency drives (VFDs), servo amplifiers, and industrial inverters, including specific compatibility with Yaskawa drive systems. Its high static pressure capabilities make it suitable for forcing air through dense heatsink fins found in power electronics and CNC control cabinets. Additionally, the MMF-12D24DS-RN8 is utilized in server rack ventilation, telecommunications equipment, and heavy-duty power supply units requiring reliable, long-term thermal dissipation.

## Supplemental Images

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