

MMF-12F24DS-CM1 Mitsubishi 24VDC 120x120x25mm Axial Fan Datasheet



Brand: Mitsubishi

SKU: [907982377977](#)

Category: Axial & Centrifugal Fans

Price: **\$35.99**

E-mail: sales@equipspares.com

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Product Description

The Mitsubishi MMF-12F24DS-CM1 is a precision-engineered axial fan designed for critical thermal management in industrial variable frequency drives and automation systems. Utilizing advanced DC motor technology, this unit delivers consistent airflow with optimized static pressure to overcome high-impedance environments typical of inverter chassis. The aerodynamic impeller design minimizes turbulence-induced noise while maximizing volumetric efficiency. Constructed with high-grade materials to ensure structural rigidity and thermal stability, the MMF-12F24DS-CM1 maintains operational reliability under continuous duty cycles, making it an essential component for maintaining optimal operating temperatures in sensitive electronic equipment.

Model Number: MMF-12F24DS-CM1

Brand: Mitsubishi Electric

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Operating Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.36 A

Input Power: 8.64 W

Rated Speed: 2850 RPM

Bearing Type: Precision Ball Bearing

Max. Air Flow: 92.5 CFM (157.1 m³/h / 2.62 m³/min)

Max. Static Pressure: 6.8 mmH₂O (66.7 Pa / 0.27 inH₂O)

Dimensions: 120 x 120 x 25 mm

Weight: 165 g

Frame Material: Reinforced PBT Plastic (UL94V-0)

Impeller Material: Reinforced PBT Plastic (UL94V-0)

Termination: 3-Wire Lead with Connector

Sensor Type: Tachometer / Alarm Output

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

Application: Inverter Cooling (VFD)

Designed specifically for high-reliability industrial environments, the MMF-12F24DS-CM1 is predominantly utilized in Mitsubishi variable frequency drives (VFDs) and heavy-duty power inverters where consistent heat dissipation is critical. Its robust profile makes it suitable for server rack cooling, CNC control cabinets, and telecommunications equipment requiring sustained airflow. Maintenance engineers frequently select the MMF-12F24DS-CM1 for retrofitting legacy cooling systems in automation panels, ensuring that sensitive power electronics remain within safe thermal limits during peak operation.

Supplemental Images

