

MMF-12F24DS-CP1 Mitsubishi 24VDC 120x120x38mm Axial Fan Datasheet



Brand: Mitsubishi

SKU: 700523505463

Category: Axial & Centrifugal Fans

Price: \$38.99

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Product Page:

<https://www.equipspares.com/product/mmf-12f24ds-cp1-mitsubishi-24vdc-120x120x38mm-axial-fan>

Product Description

The Mitsubishi MMF-12F24DS-CP1 is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics and variable frequency drives. Utilizing advanced dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow dynamics to reduce thermal impedance within high-density enclosures while maintaining structural rigidity. Engineered for reliability, the MMF-12F24DS-CP1 delivers consistent cooling performance, effectively mitigating heat accumulation to maintain system stability in demanding automation environments.

Model Number: MMF-12F24DS-CP1

Brand: Mitsubishi Electric

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 20.4 - 27.6 VDC

Rated Current: 0.36 A

Power Input: 8.64 W

Rated Speed: 3250 RPM

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)

Max. Static Pressure: 8.5 mmH₂O (83.3 Pa / 0.33 inH₂O)

Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm

Weight: 260 g

Noise Level: 44 dBA

Frame Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Termination: 3-Wire Lead with Connector

Sensor Type: Pulse Sensor (Tachometer)

Operating Temperature: -10 to +60 °C

Storage Temperature: -30 to +70 °C

Life Expectancy: 60,000 Hours at 40°C

Ingress Protection: IP20

Mounting Orientation: Any

This cooling solution is specifically engineered for heat dissipation in variable frequency drives (VFDs) and industrial inverters. The MMF-12F24DS-CP1 is frequently integrated into server rack cabinets, CNC machinery control panels, and telecommunications power supplies where reliable airflow is mandatory. By effectively managing internal temperatures, the MMF-12F24DS-CP1 prevents thermal throttling in sensitive electronic components, ensuring uninterrupted operation in automation systems and medical instrumentation.

Supplemental Images

