MMF-12D24DS-RP1 Mitsubishi 24VDC 120x120x38mm 3-Wire Axial Fan Datasheet

Brand: Mitsubishi

SKU: 950962645645

Category: Axial & Centrifugal Fans

Price: **$34.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/mmf-12d24ds-rp1-mitsubishi-24vdc-120x120x38mm-3-wire-axial-fan

Product Description

The Mitsubishi MMF-12D24DS-RP1 is a high-reliability DC axial fan designed for critical thermal management in industrial electronics. Engineered by Mitsubishi Electric, this unit features a robust motor architecture optimized for consistent airflow and reduced thermal impedance. The design incorporates a precision bearing system that ensures structural rigidity and longevity, even under continuous operation. Its aerodynamic impeller profile maximizes static pressure delivery, making it an ideal solution for high-density inverter cooling applications where maintaining optimal operating temperatures is essential for system stability.

Model Number: MMF-12D24DS-RP1
Brand: Mitsubishi Electric
Product Type: Axial Fan
Rated Voltage: 24VDC
Voltage Range: 20.4 - 27.6 VDC
Rated Current: 0.36 A
Power Consumption: 8.64 W
Rated Speed: 3250 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 105.9 CFM (180 m^3/h / 3.0 m^3/min)

Max. Static Pressure: 8.8 mmH_2O (86.3 Pa / 0.35 inH_2O)
Dimensions: 120x120x38mm
Weight: 260 g
Life Expectancy: 60,000 Hours at 40°C
Termination: 3-Wire (Lead Wire)
Sensor Output: Tachometer Signal
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
Mounting Orientation: Any
Application: Mitsubishi F740 Inverter Series

The MMF-12D24DS-RP1 is specifically engineered for thermal regulation within industrial automation equipment, serving as a critical component for the Mitsubishi F740 series frequency inverters. Its robust airflow characteristics make it suitable for cooling power electronics in server racks, CNC control cabinets, and heavy-duty telecommunications infrastructure. By effectively dissipating heat generated during high-load operations, the MMF-12D24DS-RP1 ensures the longevity and reliability of sensitive electronic components in harsh manufacturing environments.

Supplemental Images