MMF-12F24DS-RP5 MELCO 24VDC 120x120x38mm Axial Fan Datasheet

SKU: 930473264506

Category: Axial & Centrifugal Fans

Price: **$35.99**

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Product Page:
https://www.equipspares.com/product/mmf-12f24ds-rp5-melco-24vdc-120x120x38mm-axial-fan

Product Description

The MELCO MMF-12F24DS-RP5 is a high-reliability DC Axial Fan specifically engineered for the rigorous thermal demands of industrial power electronics. Manufactured by Mitsubishi Electric, this unit incorporates a robust frame design that provides exceptional structural rigidity, ensuring stability even in high-vibration environments typical of variable frequency drives (VFDs). The fan utilizes an advanced DC brushless motor architecture paired with a precision bearing system to minimize friction and reduce thermal impedance during continuous operation. Its aerodynamic impeller design is optimized to deliver high static pressure, effectively forcing air through dense heatsinks and restricted enclosures to maintain system integrity.

Model Number: MMF-12F24DS-RP5
Brand: MELCO (Mitsubishi Electric)
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Rated Current: 0.36A
Power Consumption: 8.64W
Dimensions: 120x120x38mm
Bearing Type: Ball Bearing
Motor Type: DC Brushless
Airflow Direction: Exhaust Over Struts

Housing Material: Reinforced Plastic (UL94V-0)
Blade Material: Reinforced Plastic
Termination: Lead Wires with Original Connector
Mounting Type: Flange Mount
Operating Temperature: -10°C to +60°C
Application: Inverter/VFD Cooling
Ingress Protection: Standard Industrial

The MMF-12F24DS-RP5 is primarily deployed in industrial automation sectors, serving as a critical cooling component for Mitsubishi inverters and heavy-duty variable frequency drives. Its high-pressure output makes it ideal for forcing air through the dense cooling fins of power modules in CNC machinery and robotic control units. Furthermore, the MMF-12F24DS-RP5 is frequently utilized in telecommunications cabinets and server rack enclosures where consistent, long-life thermal management is required to prevent component failure due to overheating.

Supplemental Images