

AD1224MB-F51 ADDA 24VDC 120x120x38mm Axial Fan Datasheet



Brand: ADDA

SKU: [899276479151](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

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Product Page: <https://www.equipspares.com/product/ad1224mb-f51-adda-24vdc-120x120x38mm-axial-fan>

Product Description

The ADDA AD1224MB-F51 is a precision-engineered DC axial fan designed for high-reliability thermal management in industrial environments. Utilizing advanced DC brushless motor technology, this unit delivers consistent airflow while maintaining optimal energy efficiency. The construction features a robust thermoplastic housing and impeller, rated UL94V-0 for flame retardancy, ensuring structural rigidity and safety under thermal stress. Its dual ball bearing architecture significantly reduces friction and heat generation, extending the operational lifespan and lowering the overall thermal impedance of the cooling system. Designed for continuous duty cycles, the AD1224MB-F51 provides a stable static pressure curve suitable for overcoming resistance in densely packed electronic enclosures.

Model Number: AD1224MB-F51

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.23 A

Power Input: 5.52 W

Rated Speed: 2500 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 88.0 CFM (149.5 m³/h)

Max. Static Pressure: 0.28 inH₂O (69.7 Pa)

Dimensions: 120 x 120 x 38 mm

Weight: 270 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 39.0 dB(A)

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: 2-Pin Terminals (Plug-in Type)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Protection: Locked Rotor Protection, Polarity Protection

Safety Certifications: UL, CUL, TUV, CE

The AD1224MB-F51 is frequently deployed in critical infrastructure where downtime is not an option, such as variable frequency drive (VFD) cooling and industrial inverter cabinets. Its robust airflow capabilities make the AD1224MB-F51 an ideal choice for server rack ventilation and telecommunications equipment that require sustained thermal dissipation. Additionally, the unit is well-suited for CNC machinery control panels and power supply units, where the AD1224MB-F51 ensures components remain within safe operating temperature ranges to prevent thermal throttling or failure.

Supplemental Images

