

AD1248MB-F51 ADDA 48VDC 120x120x38mm Aluminum Frame Axial Fan Datasheet



Brand: ADDA

SKU: [972107458801](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ad1248mb-f51-adda-48vdc-120x120x38mm-aluminum-frame-axial-fan>

Product Description

The ADDA AD1248MB-F51 is a robust DC axial fan designed for demanding industrial environments requiring superior structural rigidity and thermal management. Engineered with a durable aluminum die-cast frame, this unit offers enhanced resistance to mechanical stress and vibration compared to standard thermoplastic alternatives. The motor assembly utilizes precision ball bearing technology to minimize friction and extend operational lifespan, ensuring consistent performance under continuous load. Its aerodynamic impeller design is optimized to reduce thermal impedance within enclosures, delivering efficient airflow while maintaining stable static pressure characteristics suitable for high-density electronic systems.

Model Number: AD1248MB-F51

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.14 A

Power Consumption: 6.72 W

Rated Speed: 2600 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 95.0 CFM (161.4 m³/h / 2.69 m³/min)

Max. Static Pressure: 7.8 mmH₂O (76.5 Pa / 0.31 inH₂O)

Dimensions: 120 x 120 x 38 mm

Frame Material: Aluminum Die-Cast

Impeller Material: UL94V-0 Reinforced Plastic

Noise Level: 42.5 dB(A)

Termination: 2-Wire (Lead Wires)

Weight: 320 g

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Safety Certifications: UL, CUL, TUV, CE

Protection: Impedance Protected, Reverse Polarity Protection

The AD1248MB-F51 is specifically engineered for applications where durability and heat dissipation are critical, such as in telecommunications cabinets, server racks, and industrial power supplies. The aluminum frame of the AD1248MB-F51 acts as an auxiliary heat sink, making it ideal for enclosed CNC machinery and automation control panels where ambient temperatures may fluctuate. Additionally, its reliable airflow characteristics ensure critical components remain within safe thermal operating limits in 24/7 operational environments.

Supplemental Images

