

AD1224HB-F51 ADDA 48VDC 120x120x38mm Server Axial Fan Datasheet



Brand: ADDA

SKU: [949292511908](#)

Category: Axial & Centrifugal Fans

Price: **\$26.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ad1224hb-f51-adda-48vdc-120x120x38mm-server-axial-fan>

Product Description

The ADDA AD1224HB-F51 is a precision-engineered DC axial fan designed for demanding industrial and server-grade cooling applications. Built on a robust DC brushless motor platform, this unit features a dual ball bearing system that significantly reduces friction and heat generation, ensuring an extended operational lifespan even under continuous duty cycles. The 120x120x38mm frame is constructed from reinforced thermoplastic (UL94V-0), providing high structural rigidity and vibration resistance. Its aerodynamic impeller design is optimized to deliver a high volume of airflow while maintaining a stable static pressure profile, effectively managing thermal impedance in dense electronic enclosures.

Model Number: AD1224HB-F51

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 24.0 - 56.0 VDC

Rated Current: 0.20 A

Power Consumption: 9.60 W

Rated Speed: 2600 RPM

Bearing Type: Dual Ball Bearing

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

Max. Static Pressure: 0.34 inH₂O (8.64 mmH₂O / 84.7 Pa)

Dimensions: 120x120x38mm

Noise Level: 42.5 dB(A)

Housing Material: PBT Thermoplastic (UL94V-0)

Impeller Material: PBT Thermoplastic (UL94V-0)

Termination: Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Weight: 280 g

Ingress Protection: IP20

Motor Protection: Impedance Protected; Reverse Polarity Protection

The AD1224HB-F51 is specifically configured for high-density equipment such as telecommunications cabinets, network server racks, and industrial automation power supplies. Its capability to maintain airflow against system resistance makes it ideal for cooling variable frequency drives (VFDs) and medical instrumentation where reliability is paramount. The AD1224HB-F51 provides consistent thermal dissipation in 24/7 mission-critical environments.

Supplemental Images

