

AD1248HB-F51 ADDA 48VDC 120x120x38mm 2-Wire Axial Fan Datasheet



Brand: ADDA

SKU: 998288098823

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/ad1248hb-f51-adda-48vdc-120x120x38mm-2-wire-axial-fan>

Product Description

The ADDA AD1248HB-F51 is a precision-engineered Brushless DC Axial Fan designed for critical thermal management applications requiring sustained reliability. Utilizing a robust Dual Ball Bearing architecture, this unit minimizes frictional coefficients to enhance longevity and operational stability under continuous loads. The aerodynamic impeller design optimizes airflow dynamics, effectively reducing thermal impedance within high-density enclosures while maintaining structural rigidity. Engineered for industrial environments, the AD1248HB-F51 integrates advanced motor commutation technology to deliver consistent performance, ensuring efficient heat dissipation for sensitive electronic components and power systems.

Model Number: AD1248HB-F51

Brand: ADDA

Product Type: Brushless DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.20 A

Input Power: 9.60 W

Rated Speed: 2600 RPM (Typical)

Bearing Type: Dual Ball Bearing

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

Max. Static Pressure: 8.89 mmH₂O (87.18 Pa / 0.35 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 290 g

Noise Level: 42.5 dB(A)

Termination: 2-Wire Lead (Red +, Black -)

Frame Material: Thermoplastic PBT (UL94V-0)

Impeller Material: Thermoplastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours @ 40°C

Ingress Protection: IP20 (Standard)

Motor Protection: Impedance Protected, Reverse Polarity Protection

This cooling solution is specifically calibrated for industrial automation and telecommunications infrastructure. The AD1248HB-F51 excels in regulating temperatures within server chassis, variable frequency drives (VFDs), and power inverters where consistent airflow is paramount. Additionally, the AD1248HB-F51 is suitable for cabinet cooling and network switchgear, providing the necessary thermal exchange to prevent component degradation in continuous-duty cycles.

Supplemental Images

