AD1248B-F51 ADDA 48VDC 120x120x38mm Axial Cooling Fan Datasheet

Brand: ADDA

SKU: 900008265671

Category: Axial & Centrifugal Fans

Price: **$15.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad1248b-f51-adda-48vdc-120x120x38mm-axial-cooling-fan

Product Description

The ADDA AD1248B-F51 is a DC Axial Fan engineered for critical thermal management in industrial environments requiring sustained airflow and durability. Utilizing advanced DC brushless motor technology and a precision ball bearing architecture, this unit ensures minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in high-density electronic enclosures. Its robust construction meets rigorous standards for reliability, making it a staple for maintaining thermal equilibrium in power conversion and computing systems.

Model Number: AD1248B-F51
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 48VDC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 0.14 A
Input Power: 6.72 W
Rated Speed: 2500 RPM
Bearing Type: Ball Bearing
Max. Air Flow: 85.0 CFM (144.4 m^3/h / 2.40 m^3/min)
Max. Static Pressure: 7.5 mmH_2O (73.5 Pa / 0.29 inH_2O)

Dimensions: 120 x 120 x 38 mm
Weight: 270 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 42.5 dB-A
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Ingress Protection: IP20
Insulation Class: Class A
Termination: 2-Wire Leads (Red +, Black -)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +70 °C
Mounting Orientation: Any
Safety Certifications: UL, CUL, TUV, CE

The AD1248B-F51 is specifically calibrated for high-demand cooling applications such as industrial inverters, variable frequency drives (VFDs), and server rack ventilation systems. Its high-pressure profile makes it ideal for forcing air through dense component arrays found in telecommunications equipment and power supply units. By integrating the AD1248B-F51 into chassis designs, operators ensure consistent thermal regulation for sensitive electronics, preventing overheating in automated manufacturing setups, CNC machinery control panels, and workstation computing environments.

Supplemental Images