AD1224UB-F52 ADDA 24VDC 120x120x38mm Alarm Axial Fan Datasheet

Brand: ADDA

SKU: 908228326381

Category: Axial & Centrifugal Fans

Price: **$19.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad1224ub-f52-adda-24vdc-120x120x38mm-alarm-axial-fan

Product Description

The ADDA AD1224UB-F52 is a precision-engineered DC axial fan designed for high-demand industrial thermal management. Utilizing advanced ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in dense electronic enclosures. Engineered with a robust PBT frame and UL94V-0 compliance, it offers superior resistance to environmental stress. This 24VDC cooling solution features a specialized 3-wire alarm signal output, providing critical status monitoring for system reliability in automation and inverter applications.

Model Number: AD1224UB-F52
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.40 A
Power: 9.60 W
Rated Speed: 3200 RPM
Bearing Type: Two Ball Bearing
Max. Air Flow: 105.0 CFM (178.4 m^3/h / 2.97 m^3/min)

Max. Static Pressure: 8.63 mmH_2O (84.6 Pa / 0.34 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 290 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 48.0 dB(A)
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Termination: 3-Wire Leads
Output Signal: Alarm Signal (RD)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Safety Protection: Impedance Protected
Certifications: CE, TUV, UL, cUL

Designed for critical cooling environments, the AD1224UB-F52 excels in maintaining optimal operating temperatures for industrial frequency inverters and variable speed drives. Its robust construction makes it suitable for server rack ventilation, CNC machinery control panels, and telecommunications power supplies. The AD1224UB-F52 provides consistent airflow required to dissipate heat generated by high-power electronic components, ensuring system stability in manufacturing plants and data centers.

Supplemental Images