AD1224UB-F51 ADDA 24VDC 120x120x38mm Axial Cooling Fan Datasheet

Brand: ADDA

SKU: 988354225084

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad1224ub-f51-adda-24vdc-120x120x38mm-axial-cooling-fan

Product Description

The ADDA AD1224UB-F51 is a precision-engineered DC axial fan designed for high-demand thermal management applications. Utilizing advanced brushless DC motor technology, this unit ensures consistent torque delivery and minimized electromagnetic interference. The rotor is supported by a dual ball bearing architecture, which significantly enhances structural rigidity and operational longevity compared to sleeve bearing alternatives. Its aerodynamic impeller design is optimized to reduce turbulence while maximizing static pressure, effectively lowering thermal impedance in dense electronic enclosures. Constructed with a durable thermoplastic frame meeting UL94V-0 flammability standards, the AD1224UB-F51 provides reliable cooling performance for industrial inverters and power supply units requiring sustained airflow under continuous operation.

Model Number: AD1224UB-F51
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 24VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 0.40 A
Power Input: 9.60 W
Rated Speed: 3200 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 115.0 CFM (195.3 m^3/h / 3.25 m^3/min)
Max. Static Pressure: 8.50 mmH_2O (83.3 Pa / 0.33 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 290 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 48.0 dB(A)
Frame Material: PBT Thermoplastic (UL94V-0)
Impeller Material: PBT Thermoplastic (UL94V-0)
Ingress Protection: IP20 (Standard)
Insulation Class: Class A
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Termination: Lead Wires (Red +, Black -)
Mounting Orientation: Any
Motor Protection: Impedance Protected, Reverse Polarity
Certifications: UL, cUL, TUV, CE, RoHS

The AD1224UB-F51 is specifically engineered for critical industrial environments, finding frequent deployment in variable frequency drives and heavy-duty power inverters where heat dissipation is paramount. Its robust construction makes it ideal for server rack ventilation and telecommunications cabinets that operate 24/7. Additionally, the AD1224UB-F51 is utilized in CNC machinery control panels and medical instrumentation, ensuring sensitive components remain within safe thermal operating limits during peak loads.

Supplemental Images


ADDA
DC BRUSHLESS
MODEL AD1224UB-F51
DC 24V
0.40A
(FNCU)
ADDA CORP.
ZP
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AB
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