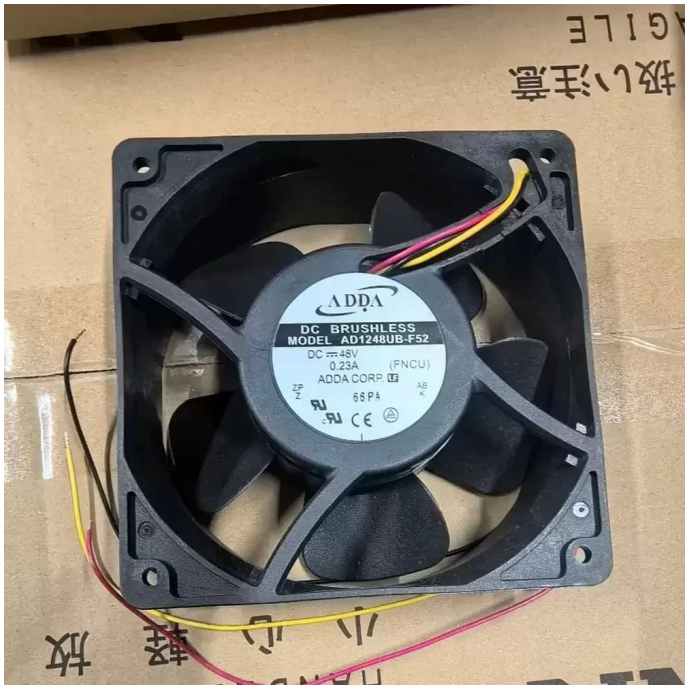
AD1248UB-F52 ADDA 48VDC 120x120x38mm Alarm Axial Fan Datasheet



Brand: ADDA

SKU: 900022453315

Category: Axial & Centrifugal Fans

Price: **$20.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/ad1248ub-f52-adda-48vdc-120x120x38mm-alarm-axial-fan

Product Description

The ADDA AD1248UB-F52 is a robust DC axial fan engineered for demanding industrial thermal management systems. Utilizing an advanced two-ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous operation, significantly reducing mechanical friction and heat generation. The motor design is optimized for high structural rigidity, minimizing vibration while maintaining superior thermal impedance characteristics. With a precision-molded thermoplastic impeller and housing, the AD1248UB-F52 delivers focused, high-volume airflow, making it ideal for high-static pressure environments. The integrated locked rotor fault alarm signal provides critical system monitoring capabilities, ensuring immediate feedback in the event of fan failure.

Model Number: AD1248UB-F52
Brand: ADDA
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 0.23 A
Power: 11.04 W
Rated Speed: 3200 RPM
Bearing Type: Two Ball Bearing

Max. Air Flow: 115.0 CFM (195.4 m^3/h / 3.26 m^3/min)
Max. Static Pressure: 8.9 mmH_2O (87.3 Pa / 0.35 inH_2O)
Dimensions: 120 x 120 x 38 mm
Weight: 285 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: Alarm Signal (Locked Rotor Protection)
Noise Level: 48.0 dB(A)
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Termination: 3-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Mounting Orientation: Any
Ingress Protection: IP20
Certifications: UL, CUL, TUV, CE

Designed for mission-critical cooling applications, the AD1248UB-F52 finds its primary utility in variable frequency drive (VFD) inverters, large-scale server racks, and telecommunication base stations. Its rugged construction allows it to operate effectively in industrial automation cabinets and CNC machinery where consistent thermal regulation is paramount. The AD1248UB-F52 is also frequently deployed in power supply units and medical instrumentation, where its fault alarm feature enables proactive maintenance and system protection against overheating events.

Supplemental Images