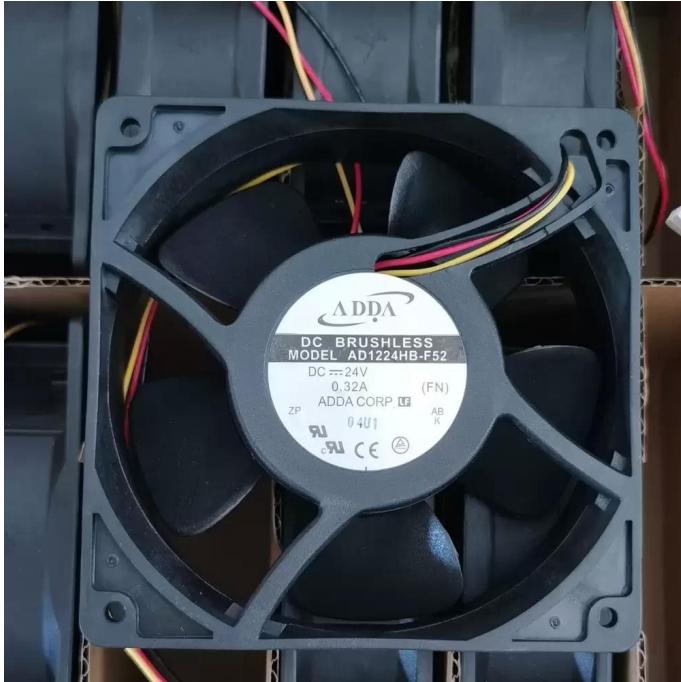


AD1224HB-F52 ADDA 24VDC 120x120x38mm Cooling Fan Datasheet



Brand: ADDA

SKU: [676521718108](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/ad1224hb-f52-adda-24vdc-120x120x38mm-cooling-fan>

Product Description

The ADDA AD1224HB-F52 is a precision-engineered Axial Fan designed for critical thermal management in rigorous industrial environments. Utilizing advanced DC motor technology coupled with a robust Dual Ball Bearing architecture, this unit ensures minimized rotational friction and significantly extended operational longevity compared to sleeve bearing alternatives. The aerodynamic impeller design optimizes airflow dynamics, effectively reducing thermal impedance within high-density electronic enclosures. Constructed with high-grade thermoplastic materials to maintain structural rigidity under thermal stress, the AD1224HB-F52 delivers consistent, high-static pressure cooling performance, making it an ideal solution for systems requiring reliable heat dissipation and continuous, maintenance-free operation.

Model Number: AD1224HB-F52

Brand: ADDA

Product Type: Axial Cooling Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.32 A

Power Consumption: 7.68 W

Rated Speed: 2800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)
Max. Static Pressure: 8.8 mmH₂O (86.3 Pa / 0.35 inH₂O)
Dimensions: 120 x 120 x 38 mm
Weight: 250 g
Life Expectancy: 70,000 Hours @ 40°C
Noise Level: 45.0 dBA
Termination: 3-Wire Lead
Output Signal: Alarm Signal (Fanuc Compatible)
Housing Material: PBT Thermoplastic (UL94V-0)
Blade Material: PBT Thermoplastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP20 (Standard)
Insulation Resistance: >10M Ohm at 500VDC
Dielectric Strength: 500VAC for 1 Minute
Safety Certifications: UL, cUL, TUV, CE

Engineered for versatility and reliability, the AD1224HB-F52 is frequently deployed in demanding industrial applications such as CNC machinery control panels, specifically serving as a direct replacement for Fanuc system cooling fans. The AD1224HB-F52 excels in server rack ventilation, telecommunications cabinets, and industrial power supply cooling where consistent airflow is paramount to prevent component failure. Its robust design also suits medical instrumentation and automation equipment, ensuring critical electronics remain within optimal operating temperature ranges despite continuous duty cycles.

Supplemental Images

