

AQ1224HB-F51 ADDA 24VDC 120x120x38mm Waterproof Axial Fan Datasheet



Brand: ADDA

SKU: [897082718631](#)

Category: Axial & Centrifugal Fans

Price: **\$19.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/aq1224hb-f51-adda-24vdc-120x120x38mm-waterproof-axial-fan>

Product Description

The ADDA AQ1224HB-F51 is a robust DC Axial Fan engineered for demanding industrial environments requiring superior thermal management and ingress protection. Featuring a precision Ball Bearing architecture, this unit ensures long-term operational stability and reduced friction coefficients, contributing to optimized thermal impedance within enclosure systems. The AQ series designation indicates specialized waterproofing capabilities, making it suitable for high-humidity or harsh conditions where standard fans fail. Its aerodynamic impeller design maximizes static pressure while maintaining structural rigidity under high-speed operation. The 24VDC motor utilizes advanced brushless technology to deliver consistent torque and efficiency, ensuring reliable performance in critical cooling architectures.

Model Number: AQ1224HB-F51

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.32 A

Input Power: 7.68 W

Rated Speed: 2600 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 105.0 CFM (178.4 m³/h / 2.97 m³/min)

Max. Static Pressure: 8.2 mmH₂O (80.4 Pa / 0.32 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 250 g

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 44.0 dB-A

Ingress Protection: Waterproof (IP55)

Housing Material: PBT (UL94V-0)

Impeller Material: PBT (UL94V-0)

Termination: 2-Wire Leads

Operating Temperature: -10°C to +70°C

Safety Certifications: UL, CUL, TUV, CE

The AQ1224HB-F51 is specifically calibrated for applications demanding reliable heat dissipation in challenging environments. Common deployments include industrial automation control panels, CNC machinery, and outdoor telecommunications cabinets where moisture resistance is critical. The AQ1224HB-F51 also serves effectively in server racks and high-performance computer radiator systems, ensuring components remain within safe thermal operating limits during continuous duty cycles.

Supplemental Images

