

# AD1224HX-F51 ADDA 24VDC 120x120x38mm Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [677655166226](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$17.99**

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Product Page: <https://www.equipspares.com/product/ad1224hx-f51-adda-24vdc-120x120x38mm-axial-fan>

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## Product Description

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The ADDA AD1224HX-F51 is a precision-engineered DC axial fan designed for high-reliability thermal management in industrial environments. Utilizing ADDA's proprietary Hypro Bearing technology, this unit offers an optimized balance between structural rigidity and reduced friction coefficients, significantly extending operational lifespan compared to standard sleeve bearings while maintaining cost-efficiency. The aerodynamic impeller geometry is calibrated to deliver high static pressure while maintaining stable airflow, effectively mitigating thermal impedance in densely packed enclosures. Constructed with UL94V-0 rated PBT thermoplastic, the frame and blades ensure robust mechanical integrity and resistance to deformation under continuous thermal load.

Model Number: AD1224HX-F51

Brand: ADDA

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 21.6 - 26.4 VDC

Rated Current: 0.32 A

Power Consumption: 7.68 W

Rated Speed: 3200 RPM

Bearing Type: Hypro Bearing

Max. Air Flow: 105.0 CFM (178.3 m<sup>3</sup>/h / 2.97 m<sup>3</sup>/min)

Max. Static Pressure: 8.89 mmH<sub>2</sub>O (87.18 Pa / 0.35 inH<sub>2</sub>O)

Dimensions: 120x120x38mm

Weight: 290 g

Noise Level: 44.5 dB(A)

Frame 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

Life Expectancy: 40,000 Hours at 40°C

Termination: Lead Wires

Motor Protection: Impedance Protected, Reverse Polarity

Certifications: UL, CUL, TUV, CE

This high-performance cooling solution is specifically engineered for demanding applications such as variable frequency drive (VFD) inverters and industrial automation control cabinets. The AD1224HX-F51 excels in server rack ventilation and telecommunications equipment where consistent airflow is critical for system stability. Additionally, the AD1224HX-F51 is widely utilized in power supply units and CNC machinery, ensuring components remain within safe thermal operating limits during prolonged duty cycles.

## Supplemental Images

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