

# AD5024HB-D70 ADDA 24VDC 50x50x15mm Brushless Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [988134117407](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$7.99**

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Product Page:

<https://www.equipspares.com/product/ad5024hb-d70-adda-24vdc-50x50x15mm-brushless-axial-fan>

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## Product Description

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The ADDA AD5024HB-D70 is a precision-engineered DC axial fan designed for critical thermal management applications requiring sustained airflow and reliability. Utilizing advanced brushless DC motor technology, this unit minimizes electromagnetic interference while optimizing torque delivery. The construction features a robust thermoplastic frame (UL94V-0) ensuring structural rigidity under thermal stress. Equipped with a dual ball bearing system, the AD5024HB-D70 offers significantly reduced friction coefficients compared to sleeve alternatives, resulting in extended operational lifespans and stable performance in varying orientations. Its aerodynamic impeller design maximizes static pressure capabilities, making it an ideal solution for high-density electronic enclosures where thermal impedance must be actively mitigated.

Model Number: AD5024HB-D70

Brand: ADDA Corporation

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 21.6 - 26.4 VDC

Rated Current: 0.11 A

Input Power: 2.64 W

Rated Speed: 5200 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 13.50 CFM (22.92 m<sup>3</sup>/h / 0.38 m<sup>3</sup>/min)

Max. Static Pressure: 4.57 mmH<sub>2</sub>O (44.82 Pa / 0.18 inH<sub>2</sub>O)

Dimensions: 50 x 50 x 15 mm

Weight: 28 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 32.0 dB(A)

Frame Material: Glass Fiber Reinforced PBT (UL94V-0)

Impeller Material: Glass Fiber Reinforced PBT (UL94V-0)

Termination: 2-Wire Lead (Red +, Black -)

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Safety Certifications: UL, CUL, TUV, CE

The AD5024HB-D70 is engineered for deployment in industrial environments where compact cooling is essential. Common integration points include rack-mounted server power supplies, telecommunications switching gear, and compact industrial automation controllers. The AD5024HB-D70 is also frequently utilized in medical instrumentation and CNC control interfaces, providing consistent thermal regulation to prevent component degradation in continuous-duty cycles.

## Supplemental Images

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