

# AD0524HB-G70 ADDA 24VDC 50x50x10mm 2-Wire Axial Fan Datasheet



**Brand:** ADDA

**SKU:** [AD0524HB-G70](#)

**Category:** Industrial Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/ad0524hb-g70-adda-24vdc-50x50x10mm-2-wire-axial-fan>

## Product Description

The ADDA AD0524HB-G70 is a high-performance 24VDC DC Axial Fan with dimensions of 50 x 50 x 10 mm, specifically engineered for mission-critical cooling in Industrial Frequency Converters and compact power electronics. Driven by a high-torque brushless motor with precision dual ball bearings, this 28.0 g unit operates within a 20.4 - 27.6 VDC range, delivering a Max. Power Consumption of 2.64 W and a Max. Current Draw of 0.11 A at a rated speed of 6300 RPM. This High-performance unit features a 7-blade aerodynamic impeller designed for maximum static pressure, achieving a Max. Air Flow of 21.9 m<sup>3</sup>/h (12.9 CFM / 0.36 m<sup>3</sup>/min) and a Max. Static Pressure of 4.57 mmH<sub>2</sub>O (44.82 Pa / 0.18 inH<sub>2</sub>O). Featuring a maintenance-free structure and integrated motor protection, this IP54-rated fan is optimized for environments requiring high-pressure stability and long-term reliability in industrial VFD and compact electronic systems at the end.

AD0524HB-G70 Fan Parameters

Model Number: AD0524HB-G70

Manufacturer: ADDA

Type: DC Axial Fan

Impeller Size: 50 mm

Dimensions: 50 x 50 x 10 mm

Weight: 28.0 g

Bearing Type: Dual ball bearing

Nominal Voltage: 24 VDC  
Voltage Range: 20.4 - 27.6 VDC  
Max. Current Draw: 0.11 A  
Max. Power Consumption: 2.64 W  
Rated Speed: 6300 RPM  
Max. Air Flow: 12.9 CFM (21.9 m<sup>3</sup>/h / 0.36 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)  
Working Air Flow: 21.9 m<sup>3</sup>/h  
Static Pressure Increase: 44.82 Pa  
Motor Protection: Polarity and locked-rotor protection; Auto-restart  
Insulation Class: Class A  
Degree of Protection: IP54  
Electrical Hookup: 2-Wires (Lead wires, UL 1007 AWG#26)  
Number of Blades: 7  
Direction of Rotation: Clockwise (viewed toward rotor)  
Impeller Material: Thermoplastic PBT (UL 94V-0)  
Frame Material: Thermoplastic PBT (UL 94V-0)  
Sound Pressure Level: 34.5 dB(A)  
Service Life: 70,000 h (at 40 °C)  
Operating Temperature: -10 - +70 °C  
Standard Compliance: CE; UL; CUL; TUV; RoHS

#### AD0524HB-G70 Applications

1. Compact VFD Control Cabinets: The 50x50x10mm slim profile and 24VDC 0.11A efficiency provide targeted cooling for variable frequency drives, overcoming localized thermal impedance without requiring excessive mounting depth.
2. 1U Rackmount Network Switches: Delivers essential static pressure to maintain optimal operating temperatures in densely packed telecom hardware, serving as a reliable replacement fan for continuous-duty routing equipment.
3. Embedded Industrial Controllers: Low-vibration aerodynamic design ensures stable thermal management for sensitive microprocessors and PLCs in ruggedized automation environments.

## Supplemental Images

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