

AFB0524VHD Delta 24VDC 50x50x20mm Industrial Axial Fan Datasheet



Brand: Delta

SKU: [758100735317](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb0524vhd-delta-24vdc-50x50x20mm-industrial-axial-fan>

Product Description

The Delta AFB0524VHD is a precision-engineered DC Axial Fan designed for critical thermal management in industrial electronics and power conversion systems. Utilizing advanced brushless DC motor technology paired with a robust Two Ball Bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load conditions. The aerodynamic profile of the thermoplastic impeller is optimized to deliver superior airflow while maintaining structural rigidity, effectively reducing thermal impedance in high-density enclosures. Its compact 50x50x20mm form factor allows for seamless integration into space-constrained environments without compromising cooling efficiency or reliability.

Model Number: AFB0524VHD

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.15 A

Power Consumption: 3.60 W

Rated Speed: 7000 RPM

Bearing Type: Two Ball Bearing

Max. Air Flow: 20.30 CFM (34.49 m³/h / 0.57 m³/min)

Max. Static Pressure: 7.70 mmH₂O (75.51 Pa / 0.30 inH₂O)

Dimensions: 50x50x20mm

Weight: 38.0 g

Noise Level: 40.5 dB-A

Life Expectancy: 70,000 Hours at 40°C

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP20 (Standard)

Insulation Class: Class A

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The AFB0524VHD is extensively utilized in industrial automation equipment, specifically serving as a primary cooling solution for variable frequency drives and power inverters where reliable heat dissipation is paramount. Additionally, the AFB0524VHD is suitable for compact server racks, telecommunication power supplies, and precision medical instrumentation requiring consistent airflow to prevent component overheating in confined chassis.

Supplemental Images

