

AFB0524H Delta 24VDC 50x50x15mm 0.11A Axial Fan Datasheet



Brand: Delta

SKU: [670102303760](#)

Category: Axial & Centrifugal Fans

Price: **\$8.99**

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Product Page: <https://www.equipspares.com/product/afb0524h-delta-24vdc-50x50x15mm-0-11a-axial-fan>

Product Description

The Delta AFB0524H is a precision-engineered DC Axial Fan designed for high-reliability thermal management in compact industrial enclosures. Utilizing advanced aerodynamic blade geometry, this unit optimizes airflow efficiency while minimizing turbulence-induced noise, ensuring a favorable acoustic profile relative to its volumetric output. The motor assembly features a durable 2-Ball Bearing architecture, which significantly reduces frictional coefficients and enhances rotational stability over extended operational lifecycles compared to standard sleeve bearings. Engineered with a robust thermoplastic frame, the AFB0524H delivers consistent static pressure performance, making it ideal for overcoming high thermal impedance in densely packed electronic systems. Its structural rigidity and electromagnetic design ensure stable operation under varying load conditions, maintaining critical component temperatures within safe operating limits.

Model Number: AFB0524H

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.11 A

Power: 2.64 W

Rated Speed: 6400 RPM

Bearing Type: 2-Ball Bearing

Max. Air Flow: 16.24 CFM (27.6 m³/h / 0.46 m³/min)

Max. Static Pressure: 6.67 mmH₂O (65.41 Pa / 0.26 inH₂O)

Dimensions: 50 x 50 x 15 mm

Weight: 38.0 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 36.0 dB-A

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: Lead Wires (UL 1007 AWG #24)

Wire Connection: Red (+), Black (-)

Ingress Protection: Optional IP55

Safety Protection: Impedance Protected, Reverse Polarity Protection

Certifications: UL, cUL, TUV, VDE, CE

The AFB0524H is specifically engineered for critical cooling applications within industrial automation and power conversion systems. Frequently utilized in variable frequency drive (VFD) inverters and server rack enclosures, this fan ensures optimal thermal regulation for sensitive semiconductor components. The compact 50mm footprint allows the AFB0524H to integrate seamlessly into limited-space environments such as network switches, medical instrumentation, and telecommunications equipment, providing reliable heat dissipation where continuous operation is paramount.

Supplemental Images

