

AFB0824VH Delta 24VDC 80x80x25mm 2-Wire Axial Fan Datasheet



Brand: Delta

SKU: [940075870382](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb0824vh-delta-24vdc-80x80x25mm-2-wire-axial-fan>

Product Description

The Delta AFB0824VH is a high-reliability DC Axial Fan engineered by Delta Electronics for demanding thermal management applications. Featuring a robust brushless DC motor and a precision-aligned dual ball bearing system, this unit ensures minimal friction and extended operational lifespan under continuous load. The impeller and frame are constructed from reinforced thermoplastic PBT (UL94V-0), offering superior structural rigidity and resistance to thermal deformation. Its aerodynamic blade design optimizes airflow while maintaining a balanced static pressure profile, making it an ideal solution for reducing thermal impedance in electronic enclosures and industrial automation equipment.

Model Number: AFB0824VH

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.21 A

Input Power: 5.04 W

Rated Speed: 3600 RPM

Max. Air Flow: 42.38 CFM (1.20 m³/min)

Max. Static Pressure: 5.12 mmH₂O (50.2 Pa / 0.20 inH₂O)

Noise Level: 38.0 dB-A

Bearing Type: Dual Ball Bearing

Dimensions: 80 x 80 x 25.4 mm

Weight: 80 g

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

Housing Material: Plastic PBT (UL94V-0)

Impeller Material: Plastic PBT (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP20 (Standard)

Safety Certifications: UL, cUL, TUV, VDE, CE

Designed for critical cooling tasks, the AFB0824VH is frequently utilized in variable frequency drives (VFDs) and industrial power inverters where consistent heat dissipation is mandatory. Its compact 80mm form factor allows for seamless integration into server rack chassis, telecommunication power supplies, and CNC control cabinets. The AFB0824VH provides the necessary airflow to maintain optimal operating temperatures for sensitive semiconductors and power modules, preventing thermal throttling in continuous-duty environments.

Supplemental Images

