

AFB0824HH-AAN Delta 24VDC 80x80x25.4mm 2-Wire Axial Fan Datasheet



Brand: Delta

SKU: [1000609594008](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/afb0824hh-aan-delta-24vdc-80x80x25-4mm-2-wire-axial-fan>

Product Description

The Delta AFB0824HH-AAN is a precision-engineered Axial Fan designed for demanding thermal management applications requiring sustained reliability. Utilizing advanced DC motor technology coupled with a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational lifespan under continuous load. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance within high-density electronic enclosures. Engineered with a UL94V-0 rated thermoplastic housing, the AFB0824HH-AAN delivers consistent cooling performance, balancing static pressure and volumetric flow to mitigate heat accumulation in critical industrial components.

Model Number: AFB0824HH-AAN

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.15 A

Input Power: 3.60 W

Rated Speed: 3250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 37.43 CFM (63.6 m³/h / 1.06 m³/min)

Max. Static Pressure: 4.59 mmH₂O (45.0 Pa / 0.18 inH₂O)

Dimensions: 80 x 80 x 25.4 mm

Weight: 80 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 34.0 dB-A

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

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

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Polarity Protection

Safety Approvals: UL, cUL, TUV, CE

The AFB0824HH-AAN is frequently deployed in industrial automation environments where consistent thermal regulation is paramount. Common integration points include server rack cooling modules, power supply units, and telecommunications equipment requiring compact yet powerful airflow solutions. The AFB0824HH-AAN is also suitable for CNC machinery control panels and medical instrumentation, ensuring sensitive electronics operate within safe temperature ranges to prevent thermal throttling or component failure.

Supplemental Images

