

AFB0824SH-W20 Delta 24VDC 80x80x25mm 2-Wire Axial Fan Datasheet



Brand: Delta

SKU: [1012197571325](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb0824sh-w20-delta-24vdc-80x80x25mm-2-wire-axial-fan>

Product Description

The Delta AFB0824SH-W20 is a precision-engineered Axial Fan designed to deliver superior thermal management in industrial environments. Utilizing an advanced DC brushless motor system paired with a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The impeller features an aerodynamically optimized blade geometry that maximizes static pressure while maintaining a balanced acoustic profile. Constructed with high-grade thermoplastic PBT (UL94V-0), the frame offers exceptional structural rigidity and resistance to environmental stress. This component is specifically calibrated to reduce thermal impedance in high-density electronic assemblies, ensuring optimal heat dissipation and system stability.

Model Number: AFB0824SH-W20

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.33 A

Power Input: 7.92 W

Rated Speed: 4000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 46.62 CFM (79.21 m³/h / 1.32 m³/min)

Max. Static Pressure: 6.78 mmH₂O (66.49 Pa / 0.27 inH₂O)

Dimensions: 80 x 80 x 25 mm

Weight: 80 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 40.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 2-Wire (Lead Wire)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP50 (Standard)

Safety Certifications: UL, CUL, TUV, CE

Protection: Locked Rotor Protection, Reverse Polarity Protection

The AFB0824SH-W20 is frequently deployed in mission-critical hardware such as server rack cooling modules, industrial power supply units, and telecommunications infrastructure where consistent airflow is paramount. Engineers rely on the AFB0824SH-W20 for its durability in 24/7 operation environments, including CNC machinery control panels and medical instrumentation. Its compact form factor allows for seamless integration into restricted spaces, providing essential cooling for sensitive components like variable frequency drives and network switches.

Supplemental Images

