

# AFB0824SH Delta 24VDC 80x80x25mm Inverter Cooling Axial Fan Datasheet



**Brand:** Delta

**SKU:** [915182911084](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$10.99**

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Product Page:

<https://www.equipspares.com/product/afb0824sh-delta-24vdc-80x80x25mm-inverter-cooling-axial-fan>

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## Product Description

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The Delta AFB0824SH is a high-reliability DC Axial Fan engineered for critical thermal management in industrial electronics and power conversion systems. Utilizing advanced aerodynamic blade geometry, this unit optimizes airflow efficiency while maintaining structural rigidity under high-stress operation. The motor assembly features a precision dual ball bearing architecture, which significantly reduces friction and thermal impedance to extend operational lifespan and reliability. Designed specifically for 24VDC systems, it delivers consistent cooling performance, making it an ideal solution for maintaining thermal equilibrium in high-density enclosures, frequency inverters, and automation equipment requiring continuous, maintenance-free operation.

Model Number: AFB0824SH

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.33 A

Power Input: 7.92 W

Rated Speed: 4000 RPM

Max. Air Flow: 46.62 CFM (79.21 m<sup>3</sup>/h / 1.32 m<sup>3</sup>/min)

Max. Static Pressure: 6.78 mmH<sub>2</sub>O (66.49 Pa / 0.267 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 25.4 mm

Weight: 80 g

Bearing Type: Dual Ball Bearing

Noise Level: 40.0 dB-A

Life Expectancy: 70,000 Hours @ 40°C

Operating Temperature: -10 to +70°C

Storage Temperature: -40 to +75°C

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Ingress Protection: IP55 (Optional)

Insulation Class: Class A

Termination: Lead Wires (Red +, Black -)

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

This cooling solution is specifically calibrated for industrial automation equipment, particularly serving as a primary cooling component for frequency inverters and variable drive systems. The AFB0824SH ensures rapid heat dissipation in server racks and telecommunication cabinets where component density restricts natural convection. Additionally, the AFB0824SH is frequently integrated into CNC machinery control panels and medical instrumentation, providing the necessary airflow to prevent thermal throttling in sensitive electronic circuits.

## Supplemental Images

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