

AFB0924SH-A Delta 24VDC 92x92x25mm Inverter Cooling Fan Datasheet



Brand: Delta

SKU: 935332930388

Category: Axial & Centrifugal Fans

Price: \$20.99

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Product Page:

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Product Description

The Delta AFB0924SH-A is a high-efficiency DC axial fan engineered for demanding thermal management applications requiring substantial airflow. Utilizing advanced brushless DC motor technology and a precision dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load. The impeller features an optimized aerodynamic profile designed to reduce turbulence while maximizing static pressure capabilities. Constructed with a robust UL94V-0 thermoplastic frame, the AFB0924SH-A offers superior structural rigidity and vibration resistance. Its design effectively lowers thermal impedance in high-density electronic enclosures, making it a reliable solution for critical industrial cooling requirements.

Model Number: AFB0924SH-A

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.50 A

Power: 12.00 W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 102.59 CFM (174.3 m³/h / 2.90 m³/min)

Max. Static Pressure: 13.35 mmH₂O (130.9 Pa / 0.52 inH₂O)

Dimensions: 92 x 92 x 25.4 mm

Weight: 120 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 53.0 dB-A

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP50 (Standard)

Termination: Lead Wires (UL 1007 AWG24)

Safety Protection: Impedance Protected, Reverse Polarity, Locked Rotor

Certifications: UL, cUL, TUV, VDE, CE

The AFB0924SH-A is specifically calibrated for high-performance cooling environments such as variable frequency drive (VFD) inverters, industrial automation control panels, and high-density server racks. Its high static pressure capability makes the AFB0924SH-A ideal for forcing air through restricted spaces found in telecommunications equipment and medical instrumentation. Additionally, this model serves as a critical component in power supply units and CNC machinery where consistent thermal regulation is mandatory to prevent component failure.

Supplemental Images

