

AFB0824SH-R00 Delta 24VDC 80x80x25mm Alarm Axial Fan Datasheet



Brand: Delta

SKU: 902081259035

Category: Axial & Centrifugal Fans

Price: **\$11.99**

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Product Page:

<https://www.equipspares.com/product/afb0824sh-r00-delta-24vdc-80x80x25mm-alarm-axial-fan>

Product Description

The Delta AFB0824SH-R00 is a high-reliability DC Axial Fan engineered for critical industrial thermal management. Powered by a 24VDC motor, this unit utilizes a precision Dual Ball Bearing architecture to ensure minimized friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes static pressure capabilities while maintaining consistent airflow, effectively reducing thermal impedance in high-density electronic enclosures. Featuring a robust housing structure and an integrated Rotation Detector (R00) signal for fault monitoring, the AFB0824SH-R00 delivers superior structural rigidity and performance stability in demanding environments.

Model Number: AFB0824SH-R00

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: 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 (66.5 Pa / 0.27 inH₂O)

Dimensions: 80 x 80 x 25.4 mm

Weight: 80 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 40.0 dB-A

Termination: 3-Wire Leads

Speed Control: R00 (Rotation Detector/Locked Rotor Alarm)

Housing Material: Plastic UL94V-0

Impeller Material: Plastic UL94V-0

Operating Temperature: -10 to +70 °C

Safety: Impedance Protected

The AFB0824SH-R00 is specifically calibrated for integration into precision industrial machinery and telecommunications infrastructure where reliability is paramount. Common deployment environments include server rack cooling modules, power supply ventilation, and industrial automation control cabinets requiring active thermal dissipation. The AFB0824SH-R00 is also frequently utilized in CNC machinery and medical instrumentation, providing the necessary airflow to maintain optimal component operating temperatures and prevent system failures due to overheating.

Supplemental Images

