

AFB0812SH-R00 Delta 12VDC 80x80x25mm Axial Fan Datasheet



Brand: Delta

SKU: [1008924523964](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/afb0812sh-r00-delta-12vdc-80x80x25mm-axial-fan>

Product Description

The Delta AFB0812SH-R00 is a precision-engineered DC Axial Fan designed for critical thermal management applications requiring high static pressure and consistent airflow. Utilizing advanced 2-Ball Bearing technology, this unit ensures reduced friction and extended operational longevity under continuous load. The impeller features an optimized aerodynamic profile constructed from reinforced thermoplastic UL94V-0, delivering superior structural rigidity and minimizing thermal impedance. Engineered with a specialized R00 Rotation Detector sensor, the AFB0812SH-R00 provides active feedback for system monitoring, making it an ideal solution for industrial environments where reliability and component density are paramount.

Model Number: AFB0812SH-R00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.51 A

Power: 6.12 W

Rated Speed: 4000 RPM

Bearing Type: 2-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 25.4 mm

Weight: 80 g

Life Expectancy: 70,000 Hours at 40°C

Sensor Output: R00 (Rotation Detector / Locked Rotor Alarm)

Noise Level: 40.0 dBA

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 3-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Polarity Protection

This high-performance cooling solution is specifically engineered for deployment in demanding industrial sectors, including variable frequency drives, server chassis, and telecommunications enclosures. The AFB0812SH-R00 excels in environments requiring efficient heat dissipation from dense electronic components, ensuring system stability in automation control panels and power supply units. By integrating the AFB0812SH-R00 into critical infrastructure, operators benefit from its robust fault detection capabilities, safeguarding sensitive equipment such as CNC machinery and medical instrumentation from thermal overload.

Supplemental Images

