

AFB0624H-R00 Delta 24VDC 60x60x25mm R00 Sensor Axial Fan Datasheet



Brand: Delta

SKU: [912777393103](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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Product Page:

<https://www.equipspares.com/product/afb0624h-r00-delta-24vdc-60x60x25mm-r00-sensor-axial-fan>

Product Description

The Delta AFB0624H-R00 is a precision-engineered DC Axial Fan designed to mitigate thermal impedance in compact industrial enclosures and high-density electronic assemblies. Utilizing advanced DC motor technology and a robust 3-wire interface, this unit delivers consistent airflow while maintaining structural rigidity under continuous operation. The fan features a sophisticated dual ball bearing architecture that ensures longevity and rotational stability, even in demanding environments with variable orientation. Its aerodynamic blade design is optimized to balance static pressure and airflow, making it an ideal component for managing heat dissipation in sensitive electronics. The integrated R00 sensor output provides critical locked rotor signal feedback for system monitoring, enhancing reliability in mission-critical applications where thermal management is paramount.

Model Number: AFB0624H-R00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.11 A

Input Power: 2.64 W

Rated Speed: 4250 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 21.19 CFM (36.0 m³/h / 0.60 m³/min)

Max. Static Pressure: 5.31 mmH₂O (52.1 Pa / 0.21 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 80 g

Noise Level: 34.0 dB(A)

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Leads

Wire Assignment: Red (+), Black (-), Blue (R00 Sensor)

Sensor Output: R00 (Locked Rotor / Rotation Detector)

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10°C to +70°C

Ingress Protection: IP20

Safety Certifications: UL, CUL, TUV, VDE

The AFB0624H-R00 is specifically engineered for integration into high-density electronic assemblies such as 1U server racks, telecommunications switching equipment, and industrial automation control panels. Due to its balanced airflow and pressure characteristics, the AFB0624H-R00 is effectively deployed in CNC machinery power supplies, network storage arrays, and medical instrumentation where reliable thermal regulation is necessary to prevent component throttling or failure.

Supplemental Images

