

AFB0612HH-R00 Delta 12VDC 60x60x25mm R00 Sensor Axial Fan Datasheet



Brand: Delta

SKU: 952301632974

Category: Axial & Centrifugal Fans

Price: \$14.99

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Product Page:

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Product Description

The Delta AFB0612HH-R00 is a high-efficiency DC axial fan designed for rigorous industrial thermal management applications. Engineered with a durable brushless DC motor and a precision dual ball bearing architecture, this unit minimizes mechanical friction to ensure extended operational lifecycles and superior structural rigidity. The aerodynamic impeller geometry is optimized to reduce thermal impedance within enclosed chassis, delivering focused airflow with optimal static pressure. Equipped with an integrated R00 rotation detector (locked rotor alarm), the fan provides essential status feedback, ensuring system integrity and preventing overheating in mission-critical hardware.

Model Number: AFB0612HH-R00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.25A

Input Power: 3.00 W

Rated Speed: 5000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 27.55 CFM (46.81 m³/h / 0.78 m³/min)

Max. Static Pressure: 5.68 mmH₂O (55.70 Pa / 0.22 inH₂O)

Dimensions: 60x60x25mm

Weight: 80 g

Noise Level: 40.0 dB-A

Output Signal: R00 (Locked Rotor Alarm / Zero Speed Sensor)

Termination: 3-Wire Lead w/ Connector

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Safety Certifications: UL, CUL, TUV, VDE

The AFB0612HH-R00 is ideally suited for cooling sensitive electronic components in limited-space environments, such as 1U/2U server power supplies, network switches, and compact computer chassis. By delivering reliable forced air convection, the AFB0612HH-R00 effectively dissipates heat from voltage regulators and chipsets in industrial automation controllers and telecommunications racks, ensuring optimal hardware performance and system stability.

Supplemental Images

