

AFB0612EH-R00 Delta 12VDC 60x60x25mm Axial Fan Datasheet



Brand: Delta

SKU: [684240637055](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/afb0612eh-r00-delta-12vdc-60x60x25mm-axial-fan>

Product Description

The Delta AFB0612EH-R00 is a precision-engineered DC axial fan designed for high-density thermal management applications requiring robust airflow and static pressure capabilities. This unit utilizes a sophisticated brushless DC motor architecture paired with a dual ball bearing system, ensuring exceptional longevity and reduced frictional coefficients during continuous operation. The aerodynamic blade geometry is optimized to minimize turbulence while maximizing air throughput, effectively lowering thermal impedance in restricted enclosures. Constructed with high-grade thermoplastic materials, the housing and impeller offer superior structural rigidity and resistance to environmental stressors. The AFB0612EH-R00 integrates advanced motor protection circuitry, safeguarding against locked rotor conditions and polarity reversal, making it a reliable component for mission-critical cooling systems.

Model Number: AFB0612EH-R00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.48 A

Power Input: 5.76 W

Rated Speed: 6800 RPM

Bearing Type: 2 Ball Bearing

Max. Air Flow: 38.35 CFM (1.086 m³/min)

Max. Static Pressure: 13.81 mmH₂O (0.544 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 80 g

Noise Level: 46.5 dB-A

Life Expectancy: 70,000 Hours at 40°C

Termination: 3-Wire Leads

Sensor Output: Tachometer (Frequency Generator)

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: None (Standard)

Safety Protection: Electronic Locked Rotor Protection, Polarity Protection

The AFB0612EH-R00 is frequently deployed in demanding industrial and computing environments where space is at a premium but cooling requirements are stringent. Common applications include 1U and 2U server rack chassis, telecommunications switching equipment, and compact power supply units. The AFB0612EH-R00 is also suitable for cooling high-performance workstations and specialized medical instrumentation that demands consistent airflow to maintain operational stability. Its robust design allows it to function reliably in automation control panels and CNC machinery electronics cabinets.

Supplemental Images

