

AFB0612GH-6U53 Delta 12VDC 60x60x25mm 4-Wire Axial Fan Datasheet



Brand: Delta

SKU: [1013406378902](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb0612gh-6u53-delta-12vdc-60x60x25mm-4-wire-axial-fan>

Product Description

Delta AFB0612GH-6U53 is a 12VDC 60x60x25mm Axial Fan optimized for high-density thermal management in space-constrained enclosures. Utilizing a brushless DC motor and dual ball bearing architecture, this unit minimizes thermal impedance while maintaining structural rigidity under high rotational stress. The 0.72A current draw facilitates a powerful 8000 RPM output, generating significant static pressure to overcome internal system resistance. Integrated 4-wire PWM control allows for precise speed modulation, balancing 48.35 CFM airflow with acoustic requirements. This industrial-grade component is engineered for continuous operation in mission-critical hardware, ensuring long-term reliability and efficient heat dissipation in demanding environments.

Model Number: AFB0612GH-6U53

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.72A

Power: 8.64W

Rated Speed: 8000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 48.35 CFM (1.370 m³/min)

Max. Static Pressure: 16.51 mmH₂O (0.650 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 80g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Control

Output Signal: Tachometer (Frequency Generator)

Noise Level: 50.0 dB-A

Housing Material: Plastic (UL 94V-0)

Blade Material: Plastic (UL 94V-0)

Termination: 4-Wire Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

Insulation Class: Class A

Certifications: UL, CSA, VDE, CE

AFB0612GH-6U53 Applications

1. 1U/2U Rackmount Servers: High static pressure overcomes the high impedance of densely packed blade servers and network switches.
2. Industrial Control Cabinets: Robust dual ball bearing design ensures 24/7 reliability as a replacement fan in harsh manufacturing environments.
3. High-Performance Workstations: PWM functionality allows for dynamic cooling of localized hotspots near VRMs and chipsets in compact chassis.

Supplemental Images

