

# AFB0612EH-SP85 Delta 12VDC 60x60x25mm PWM Axial Fan Datasheet



**Brand:** Delta

**SKU:** [1018611762821](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$14.99**

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Product Page:

<https://www.equipspares.com/product/afb0612eh-sp85-delta-12vdc-60x60x25mm-pwm-axial-fan>

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## Product Description

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The Delta AFB0612EH-SP85 is a high-precision DC axial fan engineered for demanding thermal management environments requiring substantial airflow in a compact form factor. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional structural rigidity and prolonged operational lifespan, significantly reducing frictional heat generation compared to sleeve bearing alternatives. The aerodynamic impeller design optimizes static pressure capabilities while maintaining thermal impedance at manageable levels. Integrated with a 4-wire PWM control interface, it allows for precise speed modulation, enabling dynamic cooling responses tailored to system load variations.

Model Number: AFB0612EH-SP85

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: 7500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 38.35 CFM (65.16 m<sup>3</sup>/h / 1.08 m<sup>3</sup>/min)

Max. Static Pressure: 13.81 mmH<sub>2</sub>O (135.4 Pa / 0.54 inH<sub>2</sub>O)

Dimensions: 60 x 60 x 25 mm

Weight: 80 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Leads (approx. 300mm)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Noise Level: 46.5 dB-A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP50 (Standard)

Protection: Locked Rotor Protection, Reverse Polarity Protection

The AFB0612EH-SP85 is frequently deployed in high-density electronic enclosures where space is constrained but heat dissipation requirements are critical. Common integration points include 1U and 2U server rack chassis, industrial power supply units, and compact telecommunications equipment. The AFB0612EH-SP85 also serves effectively in precision medical instrumentation and automated CNC control modules, providing reliable forced convection cooling to prevent thermal throttling of sensitive components.

## Supplemental Images

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