

# FFB0412UHN-DB1P Delta 12VDC 40x40x28mm PWM Axial Fan Datasheet



**Brand:** Delta

**SKU:** [1014826366691](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$9.99**

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Product Page:

<https://www.equipspares.com/product/ffb0412uhn-db1p-delta-12vdc-40x40x28mm-pwm-axial-fan>

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## Product Description

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The Delta FFB0412UHN-DB1P is a high-performance DC Axial Fan engineered for mission-critical thermal management in high-density electronic environments. Utilizing advanced DC brushless motor technology and a robust Dual Ball Bearing architecture, this unit ensures operational longevity and reduced thermal impedance under continuous load. The aerodynamic impeller design optimizes airflow delivery while maintaining structural rigidity against high backpressure, making it exceptionally suitable for restricted flow applications. The housing is constructed from industrial-grade thermoplastic, meeting UL94V-0 flammability standards, ensuring safety and reliability in demanding industrial and server-grade ecosystems.

Model Number: FFB0412UHN-DB1P

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.57 A (Measured Peak ~0.61 A)

Power Input: 6.84 W

Rated Speed: 18000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.62 CFM (41.83 m<sup>3</sup>/h / 0.69 m<sup>3</sup>/min)

Max. Static Pressure: 38.0 mmH<sub>2</sub>O (372 Pa / 1.49 inH<sub>2</sub>O)

Dimensions: 40 x 40 x 28 mm

Noise Level: 58.5 dB-A

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire (Lead Wires)

Housing Material: Plastic (PBT) UL94V-0

Impeller Material: Plastic (PBT) UL94V-0

Operating Temperature: -10°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Safety Protection: Locked Rotor Protection, Polarity Protection

Weight: 45 g

The FFB0412UHN-DB1P is specifically designed for high-impedance applications requiring substantial static pressure, such as 1U server racks, blade servers, and telecommunications equipment. Its compact 40mm form factor allows the FFB0412UHN-DB1P to integrate seamlessly into dense electronic enclosures, network switches, and industrial power supply units where efficient heat dissipation is critical for system stability.

## Supplemental Images

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