

# FFB0412VN-00C07 Delta 12VDC 40x40x28mm PWM Axial Fan Datasheet



**Brand:** Delta

**SKU:** [1005427279184](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/ffb0412vn-00c07-delta-12vdc-40x40x28mm-pwm-axial-fan>

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## Product Description

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The Delta FFB0412VN-00C07 is a high-performance DC Axial Fan engineered for mission-critical thermal management in dense electronic enclosures. Utilizing advanced aerodynamic blade geometry within a compact 40x40x28mm frame, this unit operates on a 12VDC platform with a significant current draw of 0.83A, indicative of its high-velocity capabilities and exceptional static pressure generation. The motor assembly features a robust dual ball bearing architecture, ensuring structural rigidity and extended operational lifespan even under continuous high-load conditions. Integrated Pulse Width Modulation (PWM) allows for precise speed regulation, optimizing the balance between acoustic signature and airflow performance to minimize thermal impedance in server racks and industrial machinery.

Model Number: FFB0412VN-00C07

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Operating Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.83 A

Input Power: 9.96 W

Rated Speed: 14,500 RPM (Nominal)

Bearing Type: Dual Ball Bearing

Max. Air Flow: 26.5 CFM (45.0 m<sup>3</sup>/h / 0.75 m<sup>3</sup>/min)  
Max. Static Pressure: 28.5 mmH<sub>2</sub>O (279 Pa / 1.12 inH<sub>2</sub>O)  
Dimensions: 40 x 40 x 28 mm  
Noise Level: 58.5 dB-A  
Speed Control: 4-Wire PWM (Pulse Width Modulation)  
Housing Material: PBT Plastic (UL94V-0)  
Impeller Material: PBT Plastic (UL94V-0)  
Termination: 4-Wire Leads with 4-Pin Connector  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +75°C  
Life Expectancy: 70,000 Hours at 40°C  
Weight: 45 g  
Ingress Protection: IP5X (Dust Protected)  
Safety Certifications: UL, cUL, TUV, CE

Designed for high-density computing environments, the FFB0412VN-00C07 excels in applications requiring substantial static pressure to overcome system resistance. This model is frequently deployed in 1U server racks, telecommunications equipment, and compact industrial power supplies where space is limited but heat dissipation requirements are extreme. The FFB0412VN-00C07 ensures reliable cooling for critical components, preventing thermal throttling in continuous-duty cycles.

## Supplemental Images

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