

FFB0412SHN-SY86 Delta 12VDC 0.60A 40x40x28mm Axial Fan Datasheet



Brand: Delta

SKU: [983995294059](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/ffb0412shn-sy86-delta-12vdc-0-60a-40x40x28mm-axial-fan>

Product Description

The Delta FFB0412SHN-SY86 is a high-performance DC axial fan engineered for critical thermal management in space-constrained environments. Utilizing advanced motor technology and a robust ball bearing architecture, this unit delivers exceptional rotational stability at speeds reaching 13000 RPM. The aerodynamic impeller design is optimized to maximize static pressure, making it highly effective at overcoming impedance in dense electronic assemblies. Constructed with structural rigidity to withstand high operational stress, the fan ensures consistent airflow and thermal regulation. Its 3-wire interface supports tachometer signal output, facilitating precise speed monitoring and integration into intelligent cooling systems. The device is characterized by its high power density and reliability under continuous operation.

Model Number: FFB0412SHN-SY86

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 4.0 - 13.8 VDC

Rated Current: 0.60 A

Operating Current: 0.50 A

Power: 7.20 W

Rated Speed: 13000 RPM \pm 10%

Max. Air Flow: 24.0 CFM (40.78 m³/h / 0.68 m³/min)

Max. Static Pressure: 27.3 mmH₂O (267.7 Pa / 1.07 inH₂O)

Noise Level: 58.0 dB-A

Dimensions: 40 x 40 x 28 mm

Bearing Type: Ball Bearing

Termination: 3-Wire Leads

Wire Length: 150 mm - 180 mm

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Mounting Orientation: Any

The FFB0412SHN-SY86 is specifically designed for applications requiring high static pressure to force air through restricted pathways, such as 1U server racks and dense heatsinks. It is frequently deployed in telecommunications equipment, industrial automation controllers, and precision medical devices where component density creates significant airflow resistance. The compact footprint of the FFB0412SHN-SY86 allows for integration into small form factor power supplies and network switches, ensuring vital components remain within safe thermal operating limits.

Supplemental Images

