

FFB0412EHN-8L2R Delta 12VDC 40x40x28mm Projector Fan Datasheet



Brand: Delta

SKU: [912281014056](#)

Category: Axial & Centrifugal Fans

Price: **\$7.99**

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Product Page:

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Product Description

The Delta FFB0412EHN-8L2R is a high-performance DC Axial Fan engineered for applications requiring substantial airflow within a compact footprint. Utilizing advanced DC brushless motor technology and a precision Dual Ball Bearing architecture, this unit is designed to minimize frictional resistance and maintain structural rigidity under high-speed operation. The 40x40x28mm frame geometry is optimized to deliver exceptional static pressure, effectively overcoming high thermal impedance in dense electronic enclosures. With its robust aerodynamic profile, the fan ensures efficient heat dissipation and long-term reliability, making it a critical component for maintaining thermal stability in industrial and consumer electronics.

Model Number: FFB0412EHN-8L2R

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.40 A

Power Consumption: 4.80 W

Rated Speed: 13000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.01 CFM (40.8 m³/h / 0.68 m³/min)

Max. Static Pressure: 21.59 mmH₂O (211.8 Pa / 0.85 inH₂O)

Dimensions: 40x40x28 mm

Weight: 35 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 54.5 dB-A

Ingress Protection: IP55 (Optional)

Insulation Class: Class A

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: Lead Wires

Safety Certifications: UL, cUL, TUV, VDE, CE

Protection: Locked Rotor Protection, Polarity Protection

The FFB0412EHN-8L2R is specifically calibrated for high-density thermal environments, making it an ideal choice for projector cooling systems where rapid heat evacuation is mandatory. Beyond projection equipment, the FFB0412EHN-8L2R is widely utilized in 1U server racks, telecommunications power supplies, and compact industrial automation devices. Its high static pressure capabilities allow it to force air through restrictive heatsinks and tightly packed chassis, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images

