

PFB1224UHEC8X Delta 24VDC 120x120x38mm 2.40A Axial Fan Datasheet



Brand: Delta

SKU: 864387330989

Category: Axial & Centrifugal Fans

Price: **\$70.99**

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Product Page:

<https://www.equipspares.com/product/pfb1224uhec8x-delta-24vdc-120x120x38mm-2-40a-axial-fan>

Product Description

The Delta PFB1224UHEC8X is a high-capacity DC axial fan engineered for critical thermal management in high-impedance industrial environments. Featuring a precision dual ball bearing architecture, this unit ensures long-term operational stability and reduced frictional wear under continuous high-speed rotation. The aerodynamic impeller design optimizes airflow delivery while maintaining significant static pressure, making it ideal for overcoming system resistance in dense enclosures. Constructed with high-grade thermoplastic materials, the frame offers superior structural rigidity and vibration damping, ensuring reliable performance in demanding cooling applications requiring substantial air exchange and thermal regulation.

Model Number: PFB1224UHEC8X

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 14.0 - 26.4 VDC

Rated Current: 2.40 A

Power Consumption: 57.6 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 252.85 CFM (429.5 m³/h / 7.16 m³/min)

Max. Static Pressure: 35.8 mmH₂O (351.0 Pa / 1.41 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 380 g

Noise Level: 66.5 dB-A

Termination: 2-Wire Leads (Red +, Black -)

Frame Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP Rating Optional

Safety Certifications: UL, cUL, TUV, CE

Designed for high-density electronic enclosures, the PFB1224UHEC8X excels in server rack cooling and telecommunications infrastructure where rapid heat dissipation is critical. Its high static pressure capabilities make the PFB1224UHEC8X particularly suitable for forcing air through restrictive filters and tightly packed component arrays in CNC machinery and industrial power supplies, ensuring optimal operating temperatures for sensitive equipment.

Supplemental Images

