

PFR0648XHE-DXN Delta 48VDC 60x60x38mm 0.75A Axial Fan Datasheet



Brand: Delta

SKU: [678032630708](#)

Category: Axial & Centrifugal Fans

Price: **\$14.99**

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Product Page:

<https://www.equipspares.com/product/pfr0648xhe-dxn-delta-48vdc-60x60x38mm-0-75a-axial-fan>

Product Description

The Delta PFR0648XHE-DXN is a high-performance DC axial fan engineered for applications demanding exceptional static pressure and airflow density. Utilizing advanced brushless DC motor technology coupled with a precision dual ball bearing system, this unit ensures long-term reliability and reduced thermal impedance in high-stress environments. The aerodynamic impeller design is optimized to overcome significant system resistance, making it ideal for densely packed electronic enclosures. Constructed with a rigid thermoplastic frame, the fan maintains structural integrity and minimizes vibration during high-speed operation, providing a robust thermal management solution for industrial-grade equipment.

Model Number: PFR0648XHE-DXN

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 0.75 A

Input Power: 36.0 W

Rated Speed: 14000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 67.85 CFM (115.2 m³/h / 1.92 m³/min)

Max. Static Pressure: 2.85 inH₂O (710 Pa / 72.4 mmH₂O)

Dimensions: 60 x 60 x 38 mm

Noise Level: 66.5 dB-A

Termination: 4-Wire Leads

Speed Control: PWM / Tachometer Output

Ingress Protection: IP Rating Optional

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours @ 40°C

Mounting Orientation: Any

Safety Certifications: UL, cUL, TUV, CE

Designed for critical thermal regulation, the PFR0648XHE-DXN is frequently deployed in high-power variable frequency drives (VFDs) and industrial inverters where heat dissipation is crucial for component longevity. Its high static pressure capabilities make the PFR0648XHE-DXN equally suitable for cooling telecommunications rectifiers, server power supplies, and compact CNC control cabinets that restrict natural airflow.

Supplemental Images

