

# PFB0948EHE-5E51 Delta 48VDC 92x92x38mm Axial Fan Datasheet



**Brand:** Delta

**SKU:** [735651271498](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$25.99**

**E-mail:** [sales@equipspares.com](mailto:sales@equipspares.com)

**Web:** <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/pfb0948ehe-5e51-delta-48vdc-92x92x38mm-axial-fan>

## Product Description

The Delta PFB0948EHE-5E51 is a precision-engineered DC axial fan designed for high-impedance industrial cooling applications. Utilizing advanced dual ball bearing architecture, this unit ensures exceptional structural rigidity and prolonged operational lifespan under continuous load. The aerodynamic impeller design optimizes static pressure delivery, making it ideal for overcoming high thermal resistance in dense electronic enclosures. Operating at 48VDC, the motor integrates efficient commutation circuitry to minimize electromagnetic interference while maximizing torque. This thermal management solution provides reliable airflow performance, critical for maintaining stability in sensitive power electronics and automation systems.

Model Number: PFB0948EHE-5E51

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.26A

Power Input: 12.48W

Rated Speed: 8000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 165.45 CFM (281.0 m<sup>3</sup>/h / 4.68 m<sup>3</sup>/min)

Max. Static Pressure: 29.54 mmH<sub>2</sub>O (289.7 Pa / 1.163 inH<sub>2</sub>O)

Dimensions: 92x92x38mm

Weight: 250g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 65.0 dB-A

Frame Material: Plastic UL94V-0

Impeller Material: Plastic UL94V-0

Termination: 3-Wire (Lead Wire)

Speed Control: Tachometer Output (Frequency Generator)

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

Ingress Protection: IP55 (Standard Industrial)

Safety Certifications: UL, cUL, TUV, CE

Designed specifically for demanding industrial environments, the PFB0948EHE-5E51 excels in cooling variable frequency drives (VFDs) and high-power inverters where consistent static pressure is paramount. Its robust construction allows for integration into server rack enclosures, telecommunications rectifiers, and CNC machinery control panels. The PFB0948EHE-5E51 effectively dissipates heat from dense component arrays, ensuring operational continuity in mission-critical hardware and preventing thermal throttling in automated manufacturing workflows.

## Supplemental Images

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