

PFB1248UHE-ASZ Delta 48VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [986121205893](#)

Category: Axial & Centrifugal Fans

Price: **\$6.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/pfb1248uhe-asz-delta-48vdc-120x120x38mm-pwm-axial-fan>

Product Description

The Delta PFB1248UHE-ASZ is a DC Axial Fan engineered for high-density thermal management applications requiring significant static pressure and airflow. Utilizing a brushless DC motor with advanced commutation logic, this unit minimizes thermal impedance through optimized blade geometry and structural rigidity. The dual ball bearing architecture ensures long-term reliability under continuous duty cycles, while the reinforced PBT housing maintains dimensional stability across wide temperature gradients. Designed for precision cooling, the aerodynamic profile is specifically tuned to overcome the impedance of tightly packed electronic components in industrial environments.

Model Number: PFB1248UHE-ASZ

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 1.20 A

Power: 57.6 W

Rated Speed: 5500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 252.85 CFM (429.6 m³/h / 7.16 m³/min)

Max. Static Pressure: 35.87 mmH₂O (351.7 Pa / 1.412 inH₂O)

Noise Level: 66.5 dB-A

Dimensions: 120x120x38 mm

Weight: 380 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Signal

Output Signal: Tachometer (Frequency Generator)

Inlet/Outlet: Open

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Termination: 4 Lead Wires

Operating Temperature: -10°C to +60°C

Storage Temperature: -40°C to +70°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Insulation Class: Class A

Certifications: UL, CSA, VDE, CE

The PFB1248UHE-ASZ is primarily deployed in high-performance server racks and telecommunications infrastructure where heat dissipation is critical. Due to its robust construction, the PFB1248UHE-ASZ is also an ideal choice for industrial power supplies, medical imaging equipment, and CNC control cabinets. Its ability to maintain high static pressure makes it suitable for cooling dense blade servers and network switches that operate in demanding 24/7 environments.

Supplemental Images

