

AFB1248HE Delta 48VDC 120x120x38mm Axial Fan Datasheet



Brand: Delta

SKU: [659060175353](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page: <https://www.equipspares.com/product/afb1248he-delta-48vdc-120x120x38mm-axial-fan>

Product Description

The Delta AFB1248HE is a high-reliability DC axial fan engineered for demanding industrial thermal management applications. Utilizing advanced aerodynamic blade geometry and a precision two-ball bearing system, this unit ensures optimal airflow delivery while maintaining structural rigidity under continuous operation. The motor assembly features a brushless DC design with locked rotor protection, significantly reducing thermal impedance and enhancing longevity. Constructed with UL94V-0 rated thermoplastic PBT, the housing and impeller are designed to withstand harsh operating environments, making it an ideal solution for critical cooling requirements where stability and efficiency are paramount.

Model Number: AFB1248HE

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 28.0 - 56.0 VDC

Rated Current: 0.18 A

Power: 8.64 W

Rated Speed: 2600 RPM

Bearing Type: 2 Ball Bearing

Max. Air Flow: 105.94 CFM (180.0 m³/h / 3.0 m³/min)

Max. Static Pressure: 9.00 mmH₂O (88.26 Pa / 0.35 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 256 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 41.0 dB-A

Housing Material: Plastic (UL94V-0)

Blade Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP55 (Optional)

Safety Protection: Electronic Protection, Impedance Protected

Termination: Lead Wires (UL 1007 AWG #24)

Mounting Orientation: Any

Designed for robust thermal regulation, the AFB1248HE is frequently integrated into industrial automation equipment, including variable frequency drives and heavy-duty power inverters. Its durable construction makes it suitable for server rack cooling and telecommunications cabinets where consistent airflow is critical. The AFB1248HE also serves effectively in CNC machinery control panels and medical instrumentation, ensuring components remain within safe thermal operating limits during prolonged usage cycles.

Supplemental Images

