

THA1248BE-A04 Delta 48VDC 120x120x38mm Aluminum Axial Fan Datasheet



Brand: Delta

SKU: 858082826582

Category: Axial & Centrifugal Fans

Price: \$18.99

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Product Page:

<https://www.equipspares.com/product/tha1248be-a04-delta-48vdc-120x120x38mm-aluminum-axial-fan>

Product Description

The Delta THA1248BE-A04 is a precision-engineered axial fan designed for mission-critical thermal management in high-density industrial environments. Featuring a robust die-cast aluminum frame, this unit offers superior structural rigidity and enhanced heat dissipation properties compared to standard thermoplastic alternatives. The aerodynamic impeller geometry is optimized to minimize thermal impedance while delivering exceptional static pressure at high rotational speeds. Driven by an advanced DC motor architecture, the THA1248BE-A04 ensures reliable operation under continuous load, making it an ideal solution for systems requiring aggressive airflow and long-term durability in demanding operational conditions.

Model Number: THA1248BE-A04

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 2.49 A

Power Consumption: 119.52 W

Rated Speed: 7600 RPM \pm 10%

Max. Air Flow: 260.0 CFM (441.7 m³/h / 7.36 m³/min)

Max. Static Pressure: 38.5 mmH₂O (377.5 Pa / 1.51 inH₂O)

Noise Level: 68.5 dB-A

Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm

Frame Material: Die-Cast Aluminum

Impeller Material: Plastic UL94V-0

Weight: 450 g

Termination: 6-Wire with Huawei Connector

Wire Length: 47 cm

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM / Tachometer Output

Ingress Protection: IP54 (Standard Industrial)

Safety Certifications: UL, cUL, TUV, CE

This high-performance cooling solution is specifically engineered for deployment in enterprise-grade server racks and telecommunications infrastructure where heat density is a critical concern. The THA1248BE-A04 excels in maintaining optimal operating temperatures for blade servers, data center storage arrays, and network switches, particularly those utilizing Huawei architecture. Additionally, the THA1248BE-A04 is suitable for industrial automation equipment and CNC machinery requiring forced convection cooling to prevent thermal throttling in enclosed cabinets.

Supplemental Images

