

THA1248BE-DW12 Delta 48VDC 120x38mm 4-Wire Axial Fan Datasheet



Brand: Delta

SKU: [894343304732](#)

Category: Axial & Centrifugal Fans

Price: **\$27.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/tha1248be-dw12-delta-48vdc-120x38mm-4-wire-axial-fan>

Product Description

The Delta THA1248BE-DW12 is a high-performance DC axial fan engineered for mission-critical industrial cooling applications requiring substantial static pressure and airflow throughput. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit ensures operational longevity and reduced thermal impedance under continuous load. The 120mm chassis features an aerodynamic impeller design optimized for high-impedance environments, delivering exceptional air volume for rapid heat dissipation. Constructed with UL94V-0 rated materials, the fan offers structural rigidity and reliability, making it suitable for demanding thermal management solutions where system stability is paramount.

Model Number: THA1248BE-DW12

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 2.60 A

Power Consumption: 124.8 W

Rated Speed: 5300 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 214.6 CFM (364.6 m³/h / 6.07 m³/min)

Max. Static Pressure: 28.5 mmH₂O (279.5 Pa / 1.12 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 430 g

Noise Level: 66.5 dBA

Termination: 4-Wire (PWM/Tachometer)

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 at 40°C

Ingress Protection: IP54

Safety Certifications: UL, cUL, TUV, CE

The THA1248BE-DW12 is specifically designed for high-density server racks, telecommunications base stations, and industrial automation enclosures where back-pressure is significant. Its high-velocity output makes it ideal for cooling rectifier modules, CNC machinery electronics, and network switching gear. Additionally, the THA1248BE-DW12 is frequently utilized in custom ventilation projects requiring rapid heat evacuation, such as mining rig cooling and high-wattage power supply units.

Supplemental Images

