

THB2048DT-AF47 Delta 48VDC 200x200x70mm Aluminum Axial Fan Datasheet



Brand: Delta

SKU: [891901679964](#)

Category: Axial & Centrifugal Fans

Price: **\$104.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/thb2048dt-af47-delta-48vdc-200x200x70mm-aluminum-axial-fan>

Product Description

The Delta THB2048DT-AF47 is a high-performance industrial axial fan engineered for extreme thermal management applications requiring substantial static pressure and airflow. Featuring a robust aluminum die-cast frame and advanced aerodynamic blade geometry, this 48VDC unit delivers exceptional cooling capabilities with a power rating of 600W. The motor utilizes precision ball bearings to ensure structural rigidity and operational longevity under high-load conditions. With a current rating of 12.50A, it is designed to overcome significant system impedance in mission-critical environments, offering superior thermal impedance reduction.

Model Number: THB2048DT-AF47

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 12.50 A

Power: 600.0 W

Rated Speed: 4800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 820.5 CFM (1394 m³/h / 23.23 m³/min)

Max. Static Pressure: 115.0 mmH₂O (1127 Pa / 4.53 inH₂O)

Dimensions: 200 x 200 x 70 mm

Weight: 2450 g

Noise Level: 78.5 dB-A

Housing Material: Aluminum Die-Cast

Blade Material: Reinforced Plastic UL94V-0

Ingress Protection: IP54

Insulation Class: Class A

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Life Expectancy: 70000 Hours at 40°C

Termination: Lead Wires

Speed Control: PWM / Tachometer Output

Safety Protection: Locked Rotor Protection, Polarity Protection

Designed for high-impedance environments, the THB2048DT-AF47 is frequently utilized in large-scale server racks, telecommunications base stations, and industrial automation enclosures requiring rapid heat dissipation. The THB2048DT-AF47 excels in cooling high-power inverters, CNC machinery, and medical imaging equipment where consistent airflow is critical for component reliability. Its robust construction makes it suitable for demanding operational conditions where standard plastic framed fans may fail.

Supplemental Images

