

THB2048CT-1KK Delta 48VDC 200x70mm Server Cooling Fan Datasheet



Brand: Delta

SKU: [856132706714](#)

Category: Axial & Centrifugal Fans

Price: **\$77.99**

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Product Page:

<https://www.equipspares.com/product/thb2048ct-1kk-delta-48vdc-200x70mm-server-cooling-fan>

Product Description

The Delta THB2048CT-1KK is a high-capacity Axial Fan engineered for critical thermal management in high-density server environments and industrial applications. Operating at a nominal 48VDC with a substantial current draw of 5.88A, this unit delivers exceptional airflow capabilities through its optimized impeller geometry and high-torque motor design. The robust 200mm frame construction ensures structural rigidity under high-speed operation, while the precision ball bearing system minimizes friction and extends service life under continuous load. Designed with advanced aerodynamic principles to overcome high system impedance, the THB2048CT-1KK effectively reduces thermal resistance in restricted enclosures, making it an ideal solution for systems requiring significant static pressure and reliable heat dissipation.

Model Number: THB2048CT-1KK

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 5.88 A

Power Consumption: 282.2 W

Dimensions: 200 x 200 x 70 mm

Bearing Type: Ball Bearing

Max. Air Flow: 685.0 CFM (1163 m³/h)

Max. Static Pressure: 3.85 inH₂O (958 Pa)

Rated Speed: 4800 RPM

Noise Level: 78.5 dB-A

Frame Material: Aluminum Die-Cast

Blade Material: Thermoplastic PBT (UL94V-0)

Ingress Protection: IP54 (Standard for series)

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Termination: 4-Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Safety Approvals: UL, cUL, TUV, CE

Weight: 1850 g

This heavy-duty cooling component is specifically calibrated for demanding industrial and enterprise hardware applications. The THB2048CT-1KK is frequently deployed in large-scale Huawei server racks, telecommunication base stations, and high-wattage power supply units where rapid heat dissipation is critical. By maintaining optimal operating temperatures, the THB2048CT-1KK ensures the stability and longevity of sensitive electronic components in data centers, network infrastructure, and automated manufacturing systems.

Supplemental Images

