THB2048CT-FLH Delta 48VDC 200x200x70mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 804103850289

Category: Axial & Centrifugal Fans

Price: **$155.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/thb2048ct-flh-delta-48vdc-200x200x70mm-pwm-axial-fan

Product Description

The Delta THB2048CT-FLH is a high-capacity axial fan engineered for critical industrial applications requiring substantial airflow and static pressure. Utilizing advanced DC brushless motor technology paired with a durable dual ball bearing system, this unit ensures operational longevity and reduced thermal impedance in high-density environments. The 200mm frame design incorporates an aerodynamically optimized impeller to maximize air throughput while maintaining structural rigidity under high-speed operation. Designed for heavy-duty cycles, the THB2048CT-FLH delivers exceptional cooling performance, making it an ideal solution for systems demanding rigorous thermal management and reliability.

Model Number: THB2048CT-FLH
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 36.0 - 60.0 VDC
Rated Current: 5.88 A
Power Input: 282.24 W
Rated Speed: 5800 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 618.5 CFM (1050 m^3/h / 17.5 m^3/min)

Max. Static Pressure: 4.25 inH_2O (1058 Pa / 107.9 mmH_2O)
Dimensions: 200 x 200 x 70 mm
Weight: 1850 g
Noise Level: 78.5 dB-A
Frame Material: Aluminum Die-Cast
Impeller Material: Reinforced Plastic (UL 94V-0)
Ingress Protection: IP54 (Dust Protected)
Speed Control: PWM Control
Signal Output: Tachometer (Frequency Generator)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Life Expectancy: 70,000 Hours at 40°C
Termination: Lead Wires (UL 1007 AWG 22)
Safety Certifications: UL, cUL, TUV, CE
Protection: Locked Rotor Protection, Polarity Protection

The THB2048CT-FLH is specifically deployed in high-demand environments such as enterprise server racks, telecommunications base stations, and industrial automation enclosures where heat dissipation is critical. Engineers frequently select the THB2048CT-FLH for large-scale power supply units, renewable energy inverters, and medical imaging equipment, relying on its robust airflow to prevent thermal throttling in sensitive electronic components.

Supplemental Images


MODEL
THB2048CT
DC48V 0.38A FLH
MADE IN CHINA
DESICCANT