THB1748BG-CK1S Delta 48VDC 278.4W 172x150x51mm Axial Fan Datasheet

Brand: Delta

SKU: 1042126520303

Category: Axial & Centrifugal Fans

Price: **$138.57**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/thb1748bg-ck1s-delta-48vdc-278-4w-172x150x51mm-axial-fan

Product Description

Delta THB1748BG-CK1S is a high-performance axial fan measuring 172 x 150 x 51 mm, operating at a nominal 48 VDC with a power consumption of 278.4 W and delivering 607.07 CFM airflow. The unit features a die-cast aluminum frame and plastic (UL 94V-0) impeller, utilizing a dual ball bearing system for extended operational life. It incorporates a brushless DC motor with integrated PWM speed control and tachometer output for precise thermal management. The internal rotor design is optimized for high static pressure, reaching 105.5 mmH2O at a maximum speed of 8000 RPM.

THB1748BG-CK1S Specifications
Model: THB1748BG-CK1S
Brand: Delta Electronics
Rated Voltage: 48 VDC
Operating Voltage Range: 36.0 to 75.0 VDC
Rated Current: 5.80 A
Rated Input Power: 278.4 W
Rated Speed: 8000 RPM
Maximum Airflow: 17.170 m^3/min (607.07 CFM)
Maximum Static Pressure: 105.5 mmH2O (4.136 inH2O)
Acoustic Noise: 75.0 dB-A
Dimensions: 172 x 150 x 51 mm

Bearing Type: Dual Ball Bearing
Weight: 920 g
Frame Material: Die-cast Aluminum
Impeller Material: Plastic (UL 94V-0)
Termination: 4-wire leads
Control Type: PWM Speed Control
Signal Output: Tachometer (Speed Sensor)
Operating Temperature: -10 to +70 °C
Storage Temperature: -40 to +75 °C
Life Expectancy: 70,000 hours at 40 °C
Safety Approvals: UL, cUL, CE, TUV

THB1748BG-CK1S Applications

Primary applications include integration into ABB ACS880 series frequency converters, Schneider industrial inverters, and high-density telecommunications base stations. Deployed within enterprise-grade server rack cooling systems and large-scale industrial power supply units requiring high-pressure thermal dissipation.

Supplemental Images