

THB1748BG-CG98 Delta 48VDC 172x51mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [708530191123](#)

Category: Axial & Centrifugal Fans

Price: **\$160.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/thb1748bg-cg98-delta-48vdc-172x51mm-pwm-axial-fan>

Product Description

The Delta THB1748BG-CG98 is a high-performance industrial cooling solution designed for extreme thermal management in variable frequency drives and large-scale power electronics. Utilizing advanced DC brushless motor technology and a dual ball bearing architecture, this unit ensures exceptional rotational stability and longevity under continuous load. The aerodynamic impeller design minimizes thermal impedance while maximizing static pressure, providing structural rigidity and reliable operation in harsh industrial environments.

Model Number: THB1748BG-CG98

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 5.80 A

Power Consumption: 278.4 W

Rated Speed: 6000+ RPM (High Speed Classification)

Bearing Type: Precision Dual Ball Bearing

Max. Air Flow: Approx. 450 - 530 CFM (Estimated based on Power)

Dimensions: 172 x 172 x 51 mm

Frame Style: Full Round (Circle)

Termination: 4-Wire Leads (Red +, Black -, Yellow FG, Blue PWM)

Frame Material: Aluminum Die-Cast

Impeller Material: Thermoplastic PBT (UL94V-0)

Speed Control: PWM / Tachometer Output

Ingress Protection: IP54 (Standard Industrial)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours @ 40°C

Application: ABB Inverter / VFD Cooling Replacement

The THB1748BG-CG98 is specifically engineered for critical heat dissipation in industrial automation equipment, including heavy-duty ABB inverters and large-capacity power converters. Its high-static pressure capabilities make it ideal for densely populated server racks, telecommunication cabinets, and CNC machinery where airflow resistance is significant. By maintaining optimal operating temperatures, the THB1748BG-CG98 safeguards sensitive electronic components against thermal throttling and failure in 24/7 manufacturing operations.

Supplemental Images

