

# THB1748BG-CG98 Delta 48V 5.80A DC axial fan

**SKU:** THB1748BG-CG98

**Price:** \$38.57

**Categories:** Fans

**Tags:** Delta

**Product Link:**

<https://www.electspares.com/product/thb1748bg-cg98-delta-48v-5-80a-dc-axial-fan/>

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## Product Description

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The Delta THB1748BG-CG98 is an exceptionally high-performance 48V DC axial cooling fan. Measuring 172mm x 172mm x 51mm, this fan is designed for the most demanding thermal management applications, such as high-density server racks, large power inverters, and telecommunication systems, where extreme airflow and static pressure are critical. It operates at a rated voltage of 48V DC and draws a very high current of 5.80A, resulting in a substantial power consumption of 278.4W. This immense power allows it to achieve an extremely high rotational speed of 8000 RPM, generating a colossal airflow of 607 CFM and a very high static pressure of 4.136 inch-H<sub>2</sub>O. Due to its extreme performance, its typical noise level is 75 dBA. The fan features robust ball bearings for an extended operational lifespan of 70,000 hours at 40°C. It typically comes with 4-wire leads, commonly including power, ground, a tachometer output for speed monitoring, and a PWM input for speed control. The frame is constructed from durable die-casting aluminum.

Model Number: THB1748BG-CG98

Manufacturer: Delta Electronics

Type: DC Axial Cooling Fan

Dimensions: 172mm x 172mm x 51mm

Rated Voltage: 48V DC

Operating Voltage Range: 36.0V - 56.0V DC

Rated Current: 5.80A

Rated Power: 278.4W (calculated: 48V \* 5.80A)

Speed: 8000 RPM

Airflow: 607 CFM (17.2 m<sup>3</sup>/min)

Static Pressure: 4.136 inch-H<sub>2</sub>O (105.0 mmH<sub>2</sub>O)

Noise Level: 75 dBA

Connector: 4-Wire Leads

Bearing Type: Ball Bearing

Life Expectancy: 70,000 hours at 40°C

Frame Material: Die-Casting Aluminum

Impeller (Blade) Material: Plastic

Features: Locked Rotor Protection, PWM Control, Speed Sensor (Tachometer)

Operating Temperature: -10°C to +70°C

## Product Images

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