

# THB1748BG-JHV Delta 48VDC 172x51mm PWM Axial Fan Datasheet



**Brand:** Delta

**SKU:** 924801829843

**Category:** Axial & Centrifugal Fans

**Price:** **\$160.99**

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Product Page:

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

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## Product Description

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The Delta THB1748BG-JHV is a high-performance DC axial fan engineered for mission-critical thermal management in high-impedance systems. Utilizing advanced motor technology and a robust dual ball bearing architecture, this unit ensures exceptional structural rigidity and operational longevity under continuous high-load conditions. The aerodynamic impeller design is optimized to minimize thermal impedance while delivering significant volumetric airflow and static pressure. Its die-cast aluminum housing provides superior heat dissipation and vibration damping, making it an ideal solution for maintaining stability in dense electronic enclosures and industrial machinery.

Model Number: THB1748BG-JHV

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 5.80 A

Power: 278.4 W

Rated Speed: 6800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 565.0 CFM (960.0 m<sup>3</sup>/h / 16.0 m<sup>3</sup>/min)

Max. Static Pressure: 4.50 inH<sub>2</sub>O (1120 Pa)

Dimensions: 172mm x 172mm x 51mm

Frame Style: Full Round

Weight: 850 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Leads

Housing Material: Die-Cast Aluminum

Blade Material: Reinforced Plastic UL94V-0

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP54

Mounting Orientation: Any

The THB1748BG-JHV is specifically deployed in environments requiring aggressive cooling capabilities, such as enterprise server racks, telecommunications base stations, and high-power variable frequency drives (VFDs). Its high static pressure profile allows the THB1748BG-JHV to effectively push air through dense component arrays in CNC machinery and medical imaging equipment, ensuring reliable thermal regulation where standard fans fail.

## Supplemental Images

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