



THB1548EG-00V5A Delta

Brand: Delta

SKU: THB1548EG-00V5A

Category: DC Axial Fans

URL: <https://www.fansco.com/item/thb1548eg-00v5a-delta/>

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Product Description

The Delta Electronics THB1548EG-00V5A is an ultra-high-performance 48VDC axial fan with

dimensions of 172 x 150 x 51 mm, specifically engineered for extreme thermal management in high-density industrial and telecommunications infrastructure. As part of the THB high-static pressure series, this side-cut round frame fan features a robust aluminum housing and a specialized high-speed impeller (UL 94V-0), optimized for maximum aerodynamic throughput and superior pressure resistance. It operates at a rated speed of 7,500 RPM, delivering a massive air flow of 524.37 CFM (890.3 m³/h) and a peak static pressure of 3.047 inH₂O (758.8 Pa). Equipped with a precision dual ball bearing system and PWM control functionality, the THB1548EG-00V5A ensures a reliable service life under demanding conditions. This model is characterized by its exceptional power-to-airflow ratio and integrated speed monitoring, making it a critical component for 5G base stations, server storage systems, and high-wattage industrial power conversion units.

THB1548EG-00V5A Fan Parameters

Manufacturer: Delta Electronics

Model Number: THB1548EG-00V5A

Type: DC Axial Fan

Series: THB Series

Dimensions: 172 x 150 x 51 mm

Weight: 890 g

Frame Material: Aluminum

Impeller Material: Plastics (UL 94V-0)

Bearing Type: Dual Ball Bearing

Number of Blades: 7

Rated Voltage: 48 VDC

Operating Voltage Range: 36.0 – 60.0 VDC

Rated Current: 3.15 A (Safety Current: 4.75 A)

Rated Input Power: 151.20 W (Max. 174.24 W)

Rated Speed: 7,500 RPM (min⁻¹)

Max. Air Flow: 524.37 CFM (890.3 m³/h / 14.838 m³/min)

Max. Static Pressure: 3.047 inH₂O (758.8 Pa / 77.39 mmH₂O)

Sound Pressure Level: 78.5 dB(A)

Termination: 4 Lead Wires (300 mm)

Wire Functions: Red (+), Black (-), Blue (Tachometer), Yellow (PWM)

Control Interface: PWM Control / Pulse Sensor

Insulation Type: UL: CLASS A

Operating Temperature: -20 – +70 °C

Expected Life: 70,000 h (at 40 °C)

Locked Rotor Protection: Supported

Reverse Polarity Protection: Supported

Safety Approvals: UL, CSA, VDE, CE, RoHS

Application

The Delta Electronics THB1548EG-00V5A ultra-high static pressure fan is specifically designed for cooling 5G telecommunications base stations, outdoor solar power inverters, EV fast-charging piles, high-wattage LED drivers, and heavy-duty industrial equipment

requiring intense heat dissipation and high resistance to air pressure.





