

# THB1548DG-Y5P Delta 48VDC 172x51mm 3.60A Axial Fan Datasheet



**Brand:** Delta

**SKU:** [918719487930](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$39.99**

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Product Page:

<https://www.equipspares.com/product/thb1548dg-y5p-delta-48vdc-172x51mm-3-60a-axial-fan>

## Product Description

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The Delta THB1548DG-Y5P is a high-capacity Axial Fan engineered for critical thermal management in environments requiring exceptional static pressure and airflow. Utilizing advanced DC motor technology coupled with a precision Ball Bearing architecture, this unit ensures operational longevity and reduced mechanical friction under heavy loads. The aerodynamic impeller design is specifically optimized to overcome high thermal impedance, delivering substantial air movement through dense component arrays. Constructed with high structural rigidity, likely featuring a die-cast aluminum frame, the fan maintains dimensional stability and performance consistency in demanding industrial conditions. This robust cooling solution is calibrated for high-power dissipation tasks where reliability is paramount.

Model Number: THB1548DG-Y5P

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 56.0 VDC

Rated Current: 3.60 A

Power Consumption: 172.8 W

Rated Speed: 6000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 430.0 CFM (730.6 m<sup>3</sup>/h)  
Max. Static Pressure: 3.50 inH<sub>2</sub>O (871.8 Pa)  
Dimensions: 172mm x 150mm x 51mm  
Frame Material: Aluminum Die-Cast  
Impeller Material: Reinforced Plastic UL94V-0  
Termination: 2-Wire Lead  
Weight: 850 g  
Operating Temperature: -10°C to +70°C  
Storage Temperature: -40°C to +75°C  
Life Expectancy: 70000 Hours @ 40°C  
Ingress Protection: IP54 (Standard Industrial)  
Noise Level: 72.0 dB-A

The THB1548DG-Y5P is frequently deployed in high-performance industrial applications, specifically excelling in automotive booster inverter cooling systems where rapid heat dissipation is essential. Its robust design makes it equally suitable for telecommunications cabinets and high-density server racks that require forced air convection to mitigate thermal throttling. Additionally, the THB1548DG-Y5P is utilized in heavy-duty power supply units and CNC machinery, ensuring critical components remain within safe operating temperatures during continuous duty cycles.

## Supplemental Images

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