

THB1548AG-A01 Delta 48VDC 172x150x51mm Inverter Axial Fan Datasheet



Brand: Delta

SKU: [994675854627](#)

Category: Axial & Centrifugal Fans

Price: **\$171.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/thb1548ag-a01-delta-48vdc-172x150x51mm-inverter-axial-fan>

Product Description

The Delta THB1548AG-A01 is a high-performance DC axial fan engineered for critical thermal management in high-impedance industrial environments. Featuring a precision-balanced thermoplastic impeller and a robust die-cast aluminum housing, this unit ensures superior structural rigidity and vibration dampening under high-load operations. The motor utilizes advanced dual ball bearing architecture to minimize friction and extend service life, while the aerodynamic blade design optimizes static pressure delivery. Designed for heavy-duty applications, it effectively reduces thermal impedance in densely packed electronic enclosures, ensuring reliable performance for variable frequency drives and server systems.

Model Number: THB1548AG-A01

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 48 VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 3.60 A

Power: 172.8 W

Rated Speed: 6800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 460.2 CFM (781.9 m³/h / 13.03 m³/min)

Max. Static Pressure: 48.2 mmH₂O (472.6 Pa / 1.90 inH₂O)

Dimensions: 172 x 150 x 51 mm

Weight: 820 g

Life Expectancy: 70000 Hours @ 40°C

Speed Control: PWM / Tachometer Output

Ingress Protection: IP55

Housing Material: Die-Cast Aluminum

Impeller Material: Thermoplastic UL94V-0

Noise Level: 76.5 dB-A

Operating Temperature: -10 to +70 °C

Storage Temperature: -40 to +75 °C

Termination: 4-Wire Leads

Mounting Orientation: Any

The THB1548AG-A01 is specifically calibrated for high-static pressure requirements found in industrial automation and telecommunications infrastructure. Its robust airflow capabilities make it an ideal solution for cooling Yaskawa variable frequency drives, large-scale server racks, and three-phase booster systems where back pressure is significant. By maintaining optimal operating temperatures, the THB1548AG-A01 prevents thermal throttling in CNC machinery and renewable energy inverters, ensuring continuous system reliability in harsh operational environments.

Supplemental Images

