

TFD0948HE-00JQB Delta 48VDC 90x90x38mm Metal Frame Axial Fan Datasheet



Brand: Delta

SKU: 931691204552

Category: Axial & Centrifugal Fans

Price: \$17.99

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

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Product Description

The Delta TFD0948HE-00JQB is a robust Axial Fan engineered for demanding industrial environments requiring high static pressure and airflow throughput. Featuring a durable full metal frame construction, this unit ensures superior structural rigidity and thermal stability under continuous operation. The motor assembly utilizes advanced commutation electronics to drive the impeller to 9000 RPM, optimizing aerodynamic efficiency while minimizing thermal impedance. Designed with a 4-wire PWM interface, it allows for precise speed modulation, making it suitable for systems necessitating dynamic thermal management. The bearing architecture is selected to withstand high rotational velocities, ensuring longevity and reliability in critical cooling applications.

Model Number: TFD0948HE-00JQB

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 0.80 A

Operating Current: 0.75 A (Max 0.94 A)

Power Consumption: 38.4 W

Rated Speed: 9000 RPM $\pm 10\%$

Bearing Type: Ball Bearing

Max. Air Flow: 144.0 CFM (244.6 m³/h / 4.07 m³/min)

Max. Static Pressure: 61.0 mmH₂O (598.2 Pa / 2.40 inH₂O)

Dimensions: 90x90x38mm

Frame Material: Metal (Die-cast)

Termination: 4-Wire Leads

Wire Length: 60cm

Speed Control: PWM (Pulse Width Modulation)

Mounting: Flange Mount

This high-performance cooling solution is specifically calibrated for dense electronic enclosures and industrial machinery where heat dissipation is critical. The TFD0948HE-00JQB excels in server rack cooling, telecommunications base stations, and power supply units requiring forced air convection. Additionally, the TFD0948HE-00JQB is frequently integrated into CNC machinery and automation control panels, where its metal frame provides necessary protection against vibration and environmental stress, ensuring consistent operation in 48VDC power grids.

Supplemental Images

