THB1748MG-J8V Delta 48VDC 172x51mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 957531799497

Category: Axial & Centrifugal Fans

Price: **$60.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/thb1748mg-j8v-delta-48vdc-172x51mm-pwm-axial-fan

Product Description

The Delta THB1748MG-J8V is a high-capacity axial fan engineered for mission-critical thermal management in industrial environments. Utilizing advanced DC motor technology and a dual ball bearing architecture, this unit ensures exceptional structural rigidity and reduced thermal impedance during continuous operation. The aerodynamic impeller design optimizes airflow dynamics to deliver high static pressure, making it ideal for overcoming system resistance in dense electronic enclosures. Its robust construction features a die-cast aluminum frame, ensuring durability against vibration and thermal stress while maintaining precise rotational stability.

Model Number: THB1748MG-J8V
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 48VDC
Voltage Range: 36.0 - 60.0 VDC
Rated Current: 2.35 A
Power: 112.8 W
Rated Speed: 5800 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 420.0 CFM (713.5 m^3/h / 11.89 m^3/min)
Max. Static Pressure: 38.5 mmH_2O (377.5 Pa / 1.51 inH_2O)

Dimensions: 172mm x 172mm x 51mm
Frame Type: Round (Full Round)
Weight: 875 g
Life Expectancy: 70,000 Hours @ 40°C
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Housing Material: Die-Cast Aluminum
Impeller Material: Plastic UL94V-0
Termination: 4-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Protection: Locked Rotor Protection, Reverse Polarity

Designed for high-impedance airflow requirements, the THB1748MG-J8V is frequently integrated into variable frequency drives (VFDs) and heavy-duty industrial inverters where heat dissipation is critical. Its robust profile allows the THB1748MG-J8V to operate effectively in server cabinets, telecommunications base stations, and precision CNC machinery, ensuring component longevity by maintaining optimal operating temperatures in enclosed spaces.

Supplemental Images