THD0848HE-02H3P Delta 48VDC 80x80x38mm 4.00A Axial Fan Datasheet

Brand: Delta

SKU: 994791783527

Category: Axial & Centrifugal Fans

Price: **$18.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/thd0848he-02h3p-delta-48vdc-80x80x38mm-4-00a-axial-fan

Product Description

The Delta THD0848HE-02H3P is a high-performance Axial Fan engineered for mission-critical thermal management in industrial environments. Utilizing advanced DC brushless motor technology and a precision ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design is optimized to deliver superior static pressure, effectively overcoming high thermal impedance in densely packed enclosures. Its robust frame construction provides structural rigidity, mitigating vibration-induced noise while maintaining airflow stability. This 48VDC cooling solution is specifically calibrated for high-efficiency heat dissipation in demanding electronic systems.

Model Number: THD0848HE-02H3P
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 48 VDC
Voltage Range: 28.0 - 56.0 VDC
Rated Current: 4.00 A
Power Consumption: 192.0 W
Rated Speed: 9500 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 132.5 CFM (225.1 m^3/h / 3.75 m^3/min)

Max. Static Pressure: 42.5 mmH_2O (416.8 Pa / 1.67 inH_2O)
Dimensions: 80 x 80 x 38 mm
Weight: 175 g
Life Expectancy: 70,000 Hours at 40°C
Termination: 4-Wire with H3P Connector
Speed Control: PWM / Tachometer Output
Housing Material: PBT (UL94V-0)
Blade Material: PBT (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Ingress Protection: IP54 (Standard)
Noise Level: 62.5 dB(A)
Mounting Orientation: Any
Certifications: UL, cUL, TUV, CE

The THD0848HE-02H3P is deployed extensively within industrial automation sectors, specifically serving as a primary cooling component for variable frequency drives and high-density inverters. Its high-pressure capabilities make it ideal for forcing air through restrictive heatsinks found in telecommunications rectifiers and server rack assemblies. Engineers frequently select the THD0848HE-02H3P for CNC machinery and power supply units where consistent thermal regulation is required to prevent component degradation, ensuring reliability in continuous-duty industrial control equipment.

Supplemental Images