

THB0812BE-G09 Delta 12VDC 80x80x38mm 4-Wire Axial Fan Datasheet



Brand: Delta

SKU: [957399523736](#)

Category: Axial & Centrifugal Fans

Price: **\$15.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/thb0812be-g09-delta-12vdc-80x80x38mm-4-wire-axial-fan>

Product Description

The Delta THB0812BE-G09 is a precision-engineered DC Axial Fan designed for mission-critical thermal management in high-impedance environments. Utilizing advanced DC brushless motor technology and a robust dual ball bearing architecture, this unit delivers exceptional structural rigidity and operational longevity under continuous load. The THB series features an optimized impeller geometry that maximizes static pressure generation, effectively overcoming resistance in dense electronic enclosures. Engineered for efficiency, the THB0812BE-G09 integrates a 4-wire PWM control interface, allowing for dynamic speed modulation to balance thermal dissipation with acoustic performance, ensuring reliability in demanding industrial and server-grade applications.

Model Number: THB0812BE-G09

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 15.0 VDC

Rated Current: 6.00 A

Power Consumption: 72.00 W

Rated Speed: 11500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 162.05 CFM (275.1 m³/h / 4.58 m³/min)

Max. Static Pressure: 65.45 mmH₂O (641.5 Pa / 2.57 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 215 g

Noise Level: 75.0 dB-A

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Signal Output: Tachometer (Frequency Generator)

Wire Configuration: 4-Wire

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP51

Insulation Class: Class A

Motor Protection: Locked Rotor Protection, Reverse Polarity Protection

Termination: Lead Wires (UL 1007 AWG 24)

Designed for high-density computing environments, the THB0812BE-G09 excels in applications requiring substantial static pressure to force air through restricted pathways. Common deployments include 1U and 2U server racks, telecommunications base stations, and precision medical instrumentation where thermal stability is paramount. The THB0812BE-G09 is also frequently utilized in industrial automation cabinets and high-performance cooling upgrades for cryptocurrency mining rigs, providing the necessary airflow to prevent thermal throttling in tightly packed component configurations.

Supplemental Images

