

THB0812BE-BUL Delta 12VDC 80x80x38mm Axial Fan Datasheet

**Brand:** Delta**SKU:** 963634581749**Category:** Axial & Centrifugal Fans**Price:** \$16.99**E-mail:** sales@equipspares.com**Web:** <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/thb0812be-bul-delta-12vdc-80x80x38mm-axial-fan>

Product Description

Delta THB0812BE-BUL is a 12VDC 80x80x38mm Axial Fan optimized for high-density thermal management in environments with extreme system impedance. This unit features a high-performance brushless DC motor and a sophisticated dual ball bearing architecture designed to maintain structural rigidity under high rotational stress. The aerodynamic impeller is engineered to maximize static pressure, delivering a massive 102.3 mmH₂O to penetrate dense heat sinks and tightly packed chassis. Operating at a rated current of 6.00A and a peak speed of 15500 RPM, this fan provides critical cooling for mission-critical hardware where thermal impedance must be minimized to prevent throttling.

Model Number: THB0812BE-BUL

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 6.00 A

Power: 72.0 W

Rated Speed: 15500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 132.56 CFM (3.754 m³/min)Max. Static Pressure: 102.3 mmH₂O (1003 Pa / 4.028 inH₂O)

Dimensions: 80 x 80 x 38 mm

Weight: 210 g

Life Expectancy: 70,000 Hours at 40°C / 65% RH

Noise Level: 76.0 dB(A)

Speed Control: PWM (Pulse Width Modulation)

Output Signal: FG (Frequency Generator / Tachometer)

Termination: 4-Lead Wires

Housing Material: Plastic (UL 94V-0)

Blade Material: Plastic (UL 94V-0)

Operating Temperature: -10 to +60 °C

Storage Temperature: -40 to +70 °C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CUL, TUV, CE

THB0812BE-BUL Applications

1. 1U/2U High-Density Servers: The 102.3 mmH₂O static pressure is specifically engineered to overcome the extreme airflow resistance found in compact rackmount chassis and blade servers.
2. Cryptocurrency Mining Rigs: Ideal as a high-velocity replacement fan for ASIC miners requiring constant, high-volume thermal dissipation to maintain hashing stability.
3. Industrial VFD Enclosures: Provides the necessary force to drive cool air through the complex internal heatsink fins of high-power variable frequency drives.
4. Telecom Base Stations: Ensures reliable heat extraction in ruggedized outdoor enclosures where high-speed airflow is required to offset solar gain and internal component heat.

Supplemental Images

