

BCB0812UHN-TP09 Delta 12VDC 27.6W 4-Wire Centrifugal Blower Datasheet



Brand: Delta

SKU: [1047353277393](#)

Category: Axial & Centrifugal Fans

Price: **\$16.43**

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Product Page:

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Product Description

Delta BCB0812UHN-TP09 is a 75 mm x 80 mm x 30 mm centrifugal blower operating at 12 VDC and 27.6 W, delivering a high-velocity output of 30.16 CFM and 3.675 inH₂O static pressure. The structural architecture features a durable plastic frame and impeller, housing a maintenance-free double ball bearing system rated for 50000 hours at 40 °C. Interface connectivity is managed via a 4-wire lead configuration, integrating both a tachometer speed sensor and PWM control for precise thermal regulation. Internal mechanisms include locked rotor protection to ensure operational stability at a maximum rotational speed of 10800 RPM.

BCB0812UHN-TP09 Specifications

Manufacturer: Delta Electronics

Model Number: BCB0812UHN-TP09

Product Category: Cooling & Thermal Management

Fan Type: Centrifugal Blower

Dimensions: 75 mm x 80 mm x 30 mm

Nominal Voltage: 12 VDC

Operating Voltage Range: 10.8 VDC to 12.6 VDC

Rated Current: 2.30 A

Power Consumption: 27.60 W

Rotational Speed: 10800 RPM

Maximum Airflow: 30.16 CFM
Static Pressure: 3.675 inH2O
Acoustic Noise: 69.3 dB(A)
Bearing System: Double Ball Bearing
Termination: 4-Wire Leads
Control Features: PWM Control, Speed Sensor (Tachometer)
Protection: Locked Rotor Protection
Frame Material: Plastic
Blade Material: Plastic
Operating Temperature: -10 °C to 60 °C
Expected Lifetime: 50000 Hours at 40 °C
Weight: 140.0 g
Moisture Sensitivity Level (MSL): 1 (Unlimited)
Certifications: CE, CSA, UL, VDE
RoHS Status: RoHS Compliant

BCB0812UHN-TP09 Applications

Primary applications include integration into high-density server racks, telecom base station enclosures, and CNC spindle cooling systems where concentrated directional airflow is required. Deployed within industrial power supply units, HVAC control panels, and automotive LED thermal management arrays to maintain optimal operating temperatures under continuous load.

Supplemental Images

