

AFB0512HHB Delta 12VDC 50x50x15mm High Airflow Axial Fan Datasheet



Brand: Delta

SKU: [995084367454](#)

Category: Axial & Centrifugal Fans

Price: **\$13.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/afb0512hnb-delta-12vdc-50x50x15mm-high-airflow-axial-fan>

Product Description

The Delta AFB0512HHB is a DC Axial Fan engineered for precision thermal management in compact industrial environments. Utilizing advanced brushless DC motor technology combined with a robust dual ball bearing architecture, this unit ensures minimized friction and extended operational longevity. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity under high-speed operation. This cooling solution effectively reduces thermal impedance within high-density electronic enclosures, delivering consistent performance. Its durable construction meets rigorous industry standards, making it a reliable component for critical heat dissipation requirements in automation and computing hardware.

Model Number: AFB0512HHB

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.20 A

Input Power: 2.40 W

Rated Speed: 6400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 16.24 CFM (27.6 m³/h / 0.46 m³/min)

Max. Static Pressure: 7.67 mmH₂O (75.2 Pa / 0.30 inH₂O)

Dimensions: 50 x 50 x 15 mm

Weight: 38 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 36.0 dB-A

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Termination: 2 Wire Leads

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP20

Insulation Class: Class A

Safety Certifications: UL, cUL, TUV, CE

The AFB0512HHB is specifically designed for integration into space-constrained electronic assemblies such as server rack chassis, industrial power supply units, and frequency inverters. Its compact form factor allows the AFB0512HHB to provide critical airflow in telecommunications equipment and medical devices where reliable heat evacuation is paramount to preventing component failure.

Supplemental Images

