

AFB1224VHE-D9N Delta 24VDC 120x120x38mm 0.57A Axial Fan Datasheet



Brand: Delta

SKU: [1000707995560](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/afb1224vhe-d9n-delta-24vdc-120x120x38mm-0-57a-axial-fan>

Product Description

The Delta AFB1224VHE-D9N is a high-performance DC Axial Fan engineered for demanding industrial environments requiring substantial airflow and static pressure. Utilizing Delta's advanced brushless DC motor technology and a precision-balanced impeller, this unit optimizes aerodynamic efficiency while minimizing thermal impedance. The construction features a robust PBT housing and impeller, rated UL94V-0 for flammability, ensuring structural rigidity under thermal stress. Equipped with a dual ball bearing system, the AFB1224VHE-D9N offers superior longevity and stability compared to sleeve bearing alternatives, making it suitable for continuous duty cycles. The design effectively manages acoustic resonance while delivering high-velocity air movement, critical for maintaining operational stability in high-density electronic enclosures.

Model Number: AFB1224VHE-D9N

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.57 A

Power Consumption: 13.68 W

Rated Speed: 3200 RPM

Max. Air Flow: 129.96 CFM (220.8 m³/h / 3.68 m³/min)

Max. Static Pressure: 10.70 mmH₂O (104.9 Pa / 0.42 inH₂O)

Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm

Weight: 256 g

Noise Level: 48.0 dBA

Frame Material: Plastic (PBT) UL94V-0

Impeller Material: Plastic (PBT) UL94V-0

Ingress Protection: IP20 (Standard)

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: 2-Wire (Red +, Black -)

Life Expectancy: 70,000 Hours at 40°C

Direction of Rotation: Counter-clockwise facing rotor

Motor Protection: Locked Rotor Protection, Polarity Protection

The AFB1224VHE-D9N is specifically designed for critical thermal management in industrial control equipment and automation systems. Its high static pressure capabilities make it an ideal solution for cooling server racks, telecommunications cabinets, and power supply units where airflow resistance is a factor. Additionally, the AFB1224VHE-D9N is frequently utilized in CNC machinery and medical instrumentation, providing reliable heat dissipation to prevent component failure in continuous-operation environments.

Supplemental Images

