

AFB1224VH-AV27 Delta 24VDC 0.35A 120x120x25mm Axial Fan Datasheet



Brand: Delta

SKU: 997356817601

Category: Axial & Centrifugal Fans

Price: **\$16.99**

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Product Page:

<https://www.equipspares.com/product/afb1224vh-av27-delta-24vdc-0-35a-120x120x25mm-axial-fan>

Product Description

Delta AFB1224VH-AV27 is a 24VDC 120x120x25mm Axial Fan optimized for high-density thermal management in industrial enclosures. This unit features a brushless DC motor integrated with a dual ball bearing architecture to ensure structural rigidity and extended MTBF under continuous operation. The 7-blade impeller design is engineered to minimize thermal impedance by maximizing laminar flow in restricted environments. Operating at a rated current of 0.35A and 3100 RPM, it delivers a robust 103.75 CFM of airflow and 9.43 mmH₂O static pressure, making it a critical component for maintaining system stability in high-heat industrial applications.

Model Number: AFB1224VH-AV27

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.35 A

Power: 8.4 W

Rated Speed: 3100 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 103.75 CFM (2.938 m³/min)

Max. Static Pressure: 9.43 mmH₂O (92.47 Pa / 0.371 inH₂O)

Dimensions: 120x120x25mm

Weight: 198g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 44.5 dBA

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Termination: 2 Lead Wires

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection: Locked Rotor Protection, Reverse Polarity Protection

Certifications: UL, CSA, VDE, CE

AFB1224VH-AV27 Applications

1. Industrial Control Cabinets: High static pressure capability allows for efficient heat extraction through dense wiring and internal component resistance.
2. Server Rack Chassis: The 120mm profile serves as a high-reliability replacement fan for 2U and 4U rackmount systems requiring consistent 24VDC cooling.
3. Power Supply Units: Optimized for high-wattage industrial PSUs where overcoming high system impedance is necessary to prevent thermal throttling.

Supplemental Images

