

AFB1224SHE-V92 Delta 24VDC 120x120x38mm PWM Axial Fan Datasheet



Brand: Delta

SKU: 978287419626

Category: Axial & Centrifugal Fans

Price: \$32.99

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Product Page:

<https://www.equipspares.com/product/afb1224she-v92-delta-24vdc-120x120x38mm-pwm-axial-fan>

Product Description

The Delta AFB1224SHE-V92 is a high-performance DC Axial Fan engineered for demanding industrial environments requiring substantial airflow and static pressure. Featuring a robust thermoplastic PBT housing and impeller, this unit utilizes advanced aerodynamic design to minimize thermal impedance while maximizing airflow efficiency. The integration of a precision Dual Ball Bearing system ensures exceptional structural rigidity and longevity, even under continuous high-speed operation. Designed with a 4-wire interface supporting PWM signal control, it offers precise speed regulation to balance cooling performance with energy consumption, making it a reliable solution for critical thermal management.

Model Number: AFB1224SHE-V92

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.75 A

Power Input: 18.0 W

Rated Speed: 3700 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 151.85 CFM (257.9 m³/h / 4.30 m³/min)

Max. Static Pressure: 14.50 mmH₂O (142.2 Pa / 0.57 inH₂O)

Dimensions: 120 x 120 x 38 mm

Weight: 298 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 53.0 dB-A

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire (Red: +, Black: -, Blue: Tach, Yellow: PWM)

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP20 (Standard)

Insulation Class: Class A

Safety Protection: Electronic Locked Rotor Protection

Mounting Orientation: Any

The AFB1224SHE-V92 is specifically calibrated for high-density thermal management applications, including industrial automation control cabinets, server rack cooling, and telecommunications infrastructure. Its high static pressure capabilities make the AFB1224SHE-V92 ideal for overcoming resistance in tightly packed enclosures or systems utilizing dense filtration, ensuring critical components remain within optimal operating temperature ranges.

Supplemental Images

