

AFB1224SH-G620 Delta 24VDC 120x120x25mm 3-Wire Axial Fan Datasheet



Brand: Delta

SKU: [1002193306645](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb1224sh-g620-delta-24vdc-120x120x25mm-3-wire-axial-fan>

Product Description

The Delta AFB1224SH-G620 is a precision-engineered Axial Fan designed for demanding industrial thermal management applications requiring robust airflow and reliability. Utilizing advanced DC motor technology coupled with a durable dual ball bearing architecture, this unit ensures minimized rotational friction and extended operational longevity even under continuous duty cycles. The impeller features an optimized aerodynamic profile that significantly reduces turbulence while maximizing static pressure capabilities, effectively lowering thermal impedance within high-density enclosures. Constructed with high-grade thermoplastic materials, the frame offers superior structural rigidity and vibration resistance. This specific model integrates a 3-wire interface, facilitating precise speed monitoring essential for critical system feedback loops and automated thermal regulation strategies in complex electronic assemblies.

Model Number: AFB1224SH-G620

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 14.0 - 27.6 VDC

Rated Current: 0.42 A

Input Power: 10.08 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 113.11 CFM (192.17 m³/h / 3.20 m³/min)

Max. Static Pressure: 10.92 mmH₂O (107.09 Pa / 0.430 inH₂O)

Dimensions: 120x120x25mm

Weight: 198 g

Life Expectancy: 70,000 Hours at 40°C

Noise Level: 46.5 dB-A

Speed Control: Speed Sensor (Tachometer)

Termination: 3-Wire Lead

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: IP Rating Optional (Standard IP20)

Insulation Resistance: 10 Megohms min. at 500 VDC

Dielectric Strength: 500 VAC for 1 minute

Protection: Locked Rotor Protection, Polarity Protection

The AFB1224SH-G620 is frequently deployed in mission-critical environments such as enterprise server racks, telecommunications base stations, and industrial automation control panels where reliable heat dissipation is paramount. Engineers rely on the AFB1224SH-G620 for its balance of high airflow and static pressure, making it suitable for forcing air through dense heatsinks or restricted chassis configurations. Additionally, this unit serves effectively in medical instrumentation, CNC machinery, and power supply cooling, ensuring sensitive components remain within safe operating temperature ranges during rigorous operation.

Supplemental Images

