

AFB1212SH-6F82 Delta 12VDC 0.80A 120x120x25mm Axial Fan Datasheet



Brand: Delta

SKU: [632388713972](#)

Category: Axial & Centrifugal Fans

Price: **\$17.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb1212sh-6f82-delta-12vdc-0-80a-120x120x25mm-axial-fan>

Product Description

Delta AFB1212SH-6F82 is a 12VDC 120x120x25mm Axial Fan optimized for high-density thermal management in space-constrained enclosures. This unit features a sophisticated dual ball bearing architecture designed to minimize thermal impedance and ensure long-term structural rigidity under continuous operation. The aerodynamic impeller design is engineered for high static pressure, delivering a robust 113 CFM of airflow at a rated speed of 3400 RPM. Utilizing a 0.80A current draw, the motor integrates PWM speed control for precise thermal regulation, making it an ideal replacement fan for high-performance computing environments requiring efficient heat dissipation and low mechanical vibration.

Model Number: AFB1212SH-6F82

Brand: Delta Electronics

Product Type: Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.80 A

Power: 9.6 W

Rated Speed: 3400 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 113.11 CFM (3.203 m³/min)

Max. Static Pressure: 10.92 mmH₂O (0.430 inH₂O)

Noise Level: 46.5 dB

Dimensions: 120 x 120 x 25 mm

Weight: 198 g

Housing Material: Plastic (UL 94V-0)

Blade Material: Plastic (UL 94V-0)

Termination: 4-Wire Lead (PWM Control)

Speed Control: Pulse Width Modulation (PWM)

Operating Temperature: -10 to +70 C

Storage Temperature: -40 to +75 C

Life Expectancy: 70,000 Hours at 40 C

Protection: Locked Rotor Protection, Reverse Polarity Protection

AFB1212SH-6F82 Applications

1. 2U Rackmount Chassis: The 25mm depth and high static pressure profile allow for efficient cooling through dense internal components where airflow resistance is high.
2. Industrial Workstations: Ideal as a high-performance replacement fan for workstations requiring PWM-regulated cooling to balance acoustic output with thermal load.
3. Network Switch Enclosures: Optimized for overcoming the system impedance of high-port-density networking hardware while maintaining 24/7 operational reliability.

Supplemental Images

