

AFB1212HH-A03 Delta 12VDC 120x120x25mm PWM Axial Fan Datasheet



Brand: Delta

SKU: [988344198121](#)

Category: Axial & Centrifugal Fans

Price: **\$16.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/afb1212hh-a03-delta-12vdc-120x120x25mm-pwm-axial-fan>

Product Description

The Delta AFB1212HH-A03 is a high-performance DC axial fan engineered for critical thermal management in industrial and server environments. Utilizing advanced DC brushless motor technology and a dual ball bearing architecture, this unit ensures long-term reliability and reduced friction coefficients under continuous operation. The aerodynamic impeller design optimizes airflow dynamics to overcome high system impedance, delivering substantial static pressure while maintaining structural rigidity. Its integrated PWM speed control allows for precise thermal regulation, balancing cooling efficiency with acoustic performance, making it an ideal solution for applications requiring sustained high-static pressure and durability.

Model Number: AFB1212HH-A03

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.50 A

Power: 6.00 W

Rated Speed: 2800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 95.14 CFM (161.6 m³/h / 2.69 m³/min)

Max. Static Pressure: 7.54 mmH₂O (74.0 Pa / 0.297 inH₂O)

Dimensions: 120 x 120 x 25.4 mm

Weight: 256 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

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

Noise Level: 41.5 dB-A

Ingress Protection: IP55 (Optional configuration dependent)

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

Safety Protection: Locked Rotor Protection; Reverse Polarity Protection

Certifications: UL, cUL, TUV, VDE, CE

Designed for high-density computing environments, the AFB1212HH-A03 is frequently deployed in server chassis and rack-mounted power supply units where consistent airflow is paramount. Its robust construction makes it suitable for industrial automation cabinets and telecommunications equipment requiring active cooling to prevent thermal throttling. The AFB1212HH-A03 effectively dissipates heat in restricted spaces, ensuring component longevity in CNC machinery and medical instrumentation.

Supplemental Images

