

AFB0812H Delta 12VDC 80x80x25mm 2-Wire Axial Fan Datasheet



Brand: Delta

SKU: [922871249605](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/afb0812h-delta-12vdc-80x80x25mm-2-wire-axial-fan>

Product Description

The Delta AFB0812H is a precision-engineered DC axial fan designed for thermal management in industrial and electronic enclosures. Utilizing advanced brushless DC motor technology combined with a high-reliability ball bearing system, this unit ensures consistent rotational stability and reduced friction coefficients over extended operational lifespans. The impeller geometry is optimized to balance static pressure with airflow volume, effectively overcoming thermal impedance in densely packed systems. Constructed with UL94V-0 rated thermoplastic, the housing offers structural rigidity and resistance to environmental stressors. This 80mm cooling solution delivers efficient heat dissipation while maintaining acoustic integrity, making it suitable for continuous duty cycles in demanding environments.

Model Number: AFB0812H

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.24 A

Input Power: 2.88 W

Rated Speed: 3000 RPM

Bearing Type: 2-Ball Bearing

Max. Air Flow: 37.43 CFM (63.6 m³/h / 1.06 m³/min)

Max. Static Pressure: 3.98 mmH₂O (39.0 Pa / 0.157 inH₂O)

Dimensions: 80 x 80 x 25.4 mm

Weight: 80 g

Noise Level: 34.0 dB-A

Life Expectancy: 70,000 Hours at 40°C

Termination: 2-Wire Leads (Red +, Black -)

Housing Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Ingress Protection: IP50 (Standard)

Safety Protection: Polarity Protection, Locked Rotor Protection

Certifications: UL, cUL, TUV, VDE, CE

The AFB0812H is engineered for critical cooling applications requiring reliable airflow in restricted spaces. Common deployments include server rack cooling modules, industrial power supply units, and telecommunications equipment where thermal stability is paramount. The AFB0812H is also frequently utilized in network switches and desktop computing chassis to maintain optimal operating temperatures for sensitive semiconductor components. Its robust design makes it an ideal choice for automation control panels and medical instrumentation requiring continuous air exchange.

Supplemental Images

