AFB0912HH-4L16 Delta 12VDC 92x92x25mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 989753561958

Category: Axial & Centrifugal Fans

Price: **$25.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/afb0912hh-4l16-delta-12vdc-92x92x25mm-pwm-axial-fan

Product Description

The Delta AFB0912HH-4L16 is a high-efficiency DC Axial Fan engineered for precision thermal management in industrial and computing environments. Utilizing advanced brushless DC motor technology paired with a robust dual ball bearing architecture, this unit ensures exceptional rotational stability and extended service life under continuous operation. The aerodynamic impeller design is constructed to maintain structural rigidity while optimizing air intake, effectively reducing thermal impedance within high-density enclosures. This model features a specialized 4-wire interface supporting PWM speed control, allowing for dynamic acoustic and thermal regulation based on system load.

Model Number: AFB0912HH-4L16
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.40 A
Power: 4.80 W
Rated Speed: 3250 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 57.92 CFM (98.41 m^3/h / 1.64 m^3/min)

Max. Static Pressure: 5.62 mmH_2O (55.11 Pa / 0.22 inH_2O)
Dimensions: 92 x 92 x 25.4 mm
Weight: 99 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Noise Level: 38.0 dB-A
Housing Material: Plastic (UL 94V-0)
Blade Material: Plastic (UL 94V-0)
Termination: 4-Wire Leads (Black, Yellow, Green, Blue)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Ingress Protection: IP50 (Standard)
Safety Certifications: UL, cUL, TUV, VDE, CE

The AFB0912HH-4L16 is specifically designed for integration into server racks, high-performance computer chassis, and industrial automation control panels where reliable heat dissipation is critical. Its precise PWM control allows the AFB0912HH-4L16 to adapt to the thermal demands of medical devices and telecommunications equipment, ensuring optimal cooling without unnecessary noise generation. Engineers and technicians rely on this model for its balance of high airflow and static pressure, making it a preferred choice for cooling power supplies and dense electronic assemblies.

Supplemental Images