

AFB0912VH-R00 Delta 12V DC 0.60A 92x92x25mm Axial Fan Datasheet



Brand: Delta

SKU: [693598449226](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

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Product Page:

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Product Description

The Delta AFB0912VH-R00 is a high-performance DC Axial Fan engineered for critical thermal management in industrial environments. Utilizing a robust 2-Ball Bearing architecture, this unit ensures minimized friction and extended operational longevity under continuous load conditions. The aerodynamic impeller design optimizes airflow efficiency while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Featuring a Rotation Detector (R00) sensor output, the fan provides real-time status monitoring, essential for systems requiring active feedback loops and fault detection to prevent thermal runaway.

Model Number: AFB0912VH-R00

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.60 A

Power Input: 7.20 W

Rated Speed: 3800 RPM

Bearing Type: 2-Ball Bearing

Max. Air Flow: 67.80 CFM (115.19 m³/h / 1.92 m³/min)

Max. Static Pressure: 7.67 mmH₂O (75.22 Pa / 0.30 inH₂O)

Dimensions: 92 x 92 x 25.4 mm

Weight: 99 g

Life Expectancy: 70,000 Hours (40°C)

Noise Level: 45.0 dB-A

Sensor/Output: R00 (Rotation Detector / Locked Rotor Sensor)

Housing Material: Plastic (UL 94V-0)

Impeller Material: Plastic (UL 94V-0)

Ingress Protection: IP Rating Optional (Standard IP20)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Termination: Lead Wires (UL 1007 AWG24)

Wire Configuration: Red (+), Black (-), Blue (R00)

Safety Certifications: UL, cUL, TUV, VDE, CE

The AFB0912VH-R00 is frequently deployed in precision cooling applications such as server rack ventilation, telecommunications base stations, and industrial automation control panels. Its high static pressure capabilities make the AFB0912VH-R00 ideal for forcing air through dense component arrays and heat sinks found in medical instrumentation and power supply units, ensuring reliable thermal regulation in mission-critical hardware.

Supplemental Images

