

# QFR0812UH-9B1V Delta 12VDC 80x80x25mm 0.87A Axial Fan Datasheet



**Brand:** Delta

**SKU:** [723854234108](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$13.99**

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Product Page:

<https://www.equipspares.com/product/qfr0812uh-9b1v-delta-12vdc-80x80x25mm-0-87a-axial-fan>

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## Product Description

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The Delta QFR0812UH-9B1V is a high-performance axial cooling solution engineered for demanding thermal environments requiring substantial airflow and static pressure. Utilizing advanced DC motor technology and a precision-balanced impeller, this unit minimizes thermal impedance while maintaining structural rigidity under high-speed operation. The fan features a durable dual ball bearing architecture, ensuring extended operational longevity and stability in continuous duty cycles. Integrated with 4-wire PWM speed control, it allows for dynamic thermal management, optimizing acoustic performance relative to cooling demand. The aerodynamic blade design reduces turbulence, making it an ideal component for high-density electronic enclosures.

Model Number: QFR0812UH-9B1V

Brand: Delta Electronics

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 0.87 A

Power Consumption: 10.44 W

Rated Speed: 5600 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Dimensions: 80 x 80 x 25.4 mm

Weight: 110 g

Noise Level: 48.0 dB-A

Speed Control: PWM (Pulse Width Modulation)

Termination: 4-Wire Leads

Frame Material: Plastic (UL94V-0)

Impeller Material: Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Life Expectancy: 70,000 Hours at 40°C

Ingress Protection: IP Rating Optional (Standard IP20)

Safety Certifications: UL, cUL, TUV, CE

Protection: Locked Rotor Protection, Polarity Protection

The QFR0812UH-9B1V is specifically designed for mission-critical applications such as rack-mount servers, telecommunications base stations, and industrial automation equipment where heat dissipation is paramount. Its high static pressure capabilities make it suitable for forcing air through dense heatsinks and restricted chassis found in medical instrumentation and power supply units. Engineers frequently select the QFR0812UH-9B1V for its reliability in 24/7 operations, ensuring sensitive components remain within safe thermal limits during peak processing loads.

## Supplemental Images

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