QFR0612DH-BL1E Delta 12VDC 60x60x25mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 916149992687

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/qfr0612dh-bl1e-delta-12vdc-60x60x25mm-pwm-axial-fan

Product Description

The Delta QFR0612DH-BL1E is a high-static pressure DC Axial Fan engineered for mission-critical thermal management applications requiring exceptional airflow density. Utilizing an advanced DC brushless motor architecture paired with precision dual ball bearings, this unit delivers sustained rotational stability and longevity even under significant thermal stress. The aerodynamic impeller design is optimized to minimize turbulence while maximizing volumetric efficiency, effectively reducing the thermal impedance of high-density electronic enclosures. Constructed with structural rigidity and equipped with Pulse Width Modulation (PWM) speed control, the fan offers dynamic calibration of cooling performance versus acoustic output, making it ideal for variable-load industrial environments.

Model Number: QFR0612DH-BL1E
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 1.10 A
Power Input: 13.20 W
Rated Speed: 9000 RPM
Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m^3/h / 1.76 m^3/min)
Max. Static Pressure: 25.4 mmH_2O (249 Pa / 1.00 inH_2O)
Dimensions: 60 x 60 x 25 mm
Weight: 130 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: PWM (Pulse Width Modulation)
Wire Configuration: 4-Wire (Black, Red, Blue, Yellow)
Noise Level: 58.0 dBA
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Ingress Protection: IP50
Safety Certifications: UL, cUL, TUV, CE

The QFR0612DH-BL1E is specifically designed for deployment in space-constrained server racks and telecommunications infrastructure where high back-pressure is a constant challenge. Engineers frequently specify the QFR0612DH-BL1E for 1U power supply units, RAID storage arrays, and industrial automation controllers that demand rapid heat dissipation. Its robust airflow characteristics also make it a preferred choice for cooling specialized medical instrumentation and network switches, ensuring critical components operate within safe thermal boundaries during peak processing loads.

Supplemental Images