QFR1212GHE-XWH Delta 12VDC 120x120x38mm 2.70A Axial Fan Datasheet

Brand: Delta

SKU: 1020623057234

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/qfr1212ghe-xwh-delta-12vdc-120x120x38mm-2-70a-axial-fan

Product Description

The Delta QFR1212GHE-XWH is a high-performance Axial Fan engineered for critical thermal management in industrial and server environments. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit ensures exceptional longevity and structural rigidity under continuous operation. The aerodynamic impeller design optimizes airflow efficiency while maintaining significant static pressure, making it ideal for overcoming high thermal impedance in densely packed enclosures. Its 4-wire configuration supports precise speed control via PWM, allowing for dynamic cooling adjustments based on system load requirements.

Model Number: QFR1212GHE-XWH
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 8.0 - 13.2 VDC
Rated Current: 2.70 A
Power Input: 32.4 W
Rated Speed: 6000 RPM
Max. Air Flow: 210.38 CFM (357.4 m^3/h / 5.96 m^3/min)
Max. Static Pressure: 28.50 mmH_2O (279.5 Pa / 1.12 inH_2O)
Bearing Type: Dual Ball Bearing

Dimensions: 120 x 120 x 38 mm
Noise Level: 64.0 dB-A
Termination: 4-Wire Leads
Speed Control: PWM (Pulse Width Modulation)
Signal Output: Tachometer (Frequency Generator)
Housing Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Life Expectancy: 70,000 Hours at 40°C
Rotation Direction: Counter-clockwise (viewed from blade)
Weight: 330 g
Ingress Protection: IP51 (Standard)
Safety Certifications: UL, cUL, TUV, CE

Designed for high-static pressure environments, the QFR1212GHE-XWH is extensively utilized in enterprise-grade server racks and blade chassis where overcoming airflow resistance is critical. This cooling solution is also integral to the thermal stability of high-capacity power supplies and industrial frequency inverters. By integrating the QFR1212GHE-XWH into CNC machinery and telecommunications equipment, operators ensure reliable heat dissipation, preventing thermal throttling and extending the operational lifespan of sensitive electronic components.

Supplemental Images