AFC1212DE-DW57 Delta 12VDC 1.60A 120x120x38mm Axial Fan Datasheet

Brand: Delta

SKU: 993224982592

Category: Axial & Centrifugal Fans

Price: **$18.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/afc1212de-dw57-delta-12vdc-1-60a-120x120x38mm-axial-fan

Product Description

The Delta AFC1212DE-DW57 is a high-performance Axial Fan engineered for critical thermal management in industrial and server environments. Utilizing advanced DC motor technology paired with a precision dual ball bearing architecture, this unit ensures exceptional structural rigidity and operational longevity under continuous high-speed rotation. The aerodynamic impeller design is calibrated to deliver massive airflow volume while maintaining thermal impedance stability. Featuring a 4-wire Pulse Width Modulation (PWM) interface, the fan allows for dynamic speed regulation, optimizing the balance between cooling efficiency and acoustic output. This 120mm component is specifically designed for high-impedance applications requiring robust air movement and reliability.

Model Number: AFC1212DE-DW57
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 1.60 A
Power: 19.2 W
Rated Speed: 4000 RPM (±10%)
Bearing Type: Dual Ball Bearing

Max. Air Flow: 154.5 CFM (262.5 m^3/h / 4.37 m^3/min)
Max. Static Pressure: 14.58 mmH_2O (143.0 Pa / 0.574 inH_2O)
Dimensions: 120 x 120 x 38 mm
Noise Level: 45.4 dB(A)
Speed Control: PWM (Pulse Width Modulation)
Termination: 4-Wire / 4-Pin Connector
Housing Material: PBT Plastic (UL94V-0)
Blade Material: PBT Plastic (UL94V-0)
Operating Temperature: -10°C to +60°C
Life Expectancy: 70,000 Hours @ 40°C

The AFC1212DE-DW57 is frequently deployed in high-density server racks, chassis cooling, and industrial automation systems where heat dissipation is paramount. Its high airflow capacity makes the AFC1212DE-DW57 particularly effective for cooling CPU heatsinks, power supply units, and telecommunications equipment that generate significant thermal loads in confined spaces.

Supplemental Images