FFB0812EH-9F55 Delta 12VDC 80x80x25mm PWM Axial Fan Datasheet

Brand: Delta

SKU: 679094917989

Category: Axial & Centrifugal Fans

Price: **$9.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/ffb0812eh-9f55-delta-12vdc-80x80x25mm-pwm-axial-fan

Product Description

The Delta FFB0812EH-9F55 is a high-performance DC Axial Fan engineered for critical thermal management applications requiring substantial airflow and static pressure. Utilizing advanced Dual Ball Bearing architecture, this unit ensures exceptional longevity and reduced friction coefficients under continuous operation. The aerodynamic impeller design optimizes static pressure capabilities while maintaining structural rigidity at high rotational speeds. Featuring Pulse Width Modulation (PWM) signal integration, it allows for dynamic speed control to balance thermal impedance and acoustic performance efficiently, making it an ideal solution for precision industrial cooling.

Model Number: FFB0812EH-9F55
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.80 A
Input Power: 9.60 W
Rated Speed: 5900 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 68.51 CFM (116.4 m^3/h)
Max. Static Pressure: 14.10 mmH_2O (138.2 Pa / 0.555 inH_2O)

Dimensions: 80 x 80 x 25 mm
Weight: 170 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 54.5 dB-A
Speed Control: PWM (4-Wire)
Ingress Protection: IP55 (Optional)
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +75°C
Termination: 4-Wire Leads (Red +, Black -, Blue PWM, Yellow Tach)
Safety Certifications: UL, cUL, TUV, VDE, CE

Designed for high-density electronic environments, the FFB0812EH-9F55 excels in server rack cooling and industrial automation enclosures where consistent airflow is paramount. The robust construction of the FFB0812EH-9F55 makes it suitable for telecommunications equipment, power supply units, and precision medical devices requiring reliable heat dissipation. Its PWM capability ensures it adapts seamlessly to the variable thermal loads found in high-performance computing clusters and CNC machinery.

Supplemental Images