PF8012DHE-DC3Z Delta 12VDC 80x38mm 2.54A Axial Fan Datasheet

Brand: Delta

SKU: 1006442165566

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/pf8012dhe-dc3z-delta-12vdc-80x38mm-2-54a-axial-fan

Product Description

The Delta PF8012DHE-DC3Z is a high-performance DC axial fan engineered for critical thermal management in dense electronic systems. Utilizing advanced DC brushless motor technology paired with a robust dual ball bearing architecture, this unit ensures exceptional operational longevity and minimized thermal impedance under continuous heavy loads. The aerodynamic impeller design is optimized to deliver high static pressure while maintaining structural rigidity at elevated rotational speeds. Designed for industrial reliability, this component integrates precise speed control mechanisms to balance cooling efficiency with power consumption.

Model Number: PF8012DHE-DC3Z
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.2 VDC
Rated Current: 2.54 A
Power Consumption: 30.48 W
Rated Speed: 9000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 132.56 CFM (225.1 m^3/h / 3.75 m^3/min)
Max. Static Pressure: 48.6 mmH_2O (476.6 Pa / 1.91 inH_2O)

Dimensions: 80 x 80 x 38 mm
Weight: 205 g
Life Expectancy: 70,000 Hours at 40°C
Speed Control: 4-Wire PWM
Noise Level: 65.0 dB-A
Housing Material: Plastic (UL94V-0)
Impeller Material: Plastic (UL94V-0)
Termination: 4-Wire Leads
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Protection: Locked Rotor Protection, Polarity Protection
Safety Certifications: UL, cUL, TUV, CE

This high-static pressure cooling solution is specifically designed for restrictive airflow environments such as enterprise server racks, blade chassis, and industrial automation enclosures. The PF8012DHE-DC3Z provides the necessary airflow to dissipate heat effectively from high-density component arrays in telecommunications equipment. Furthermore, the PF8012DHE-DC3Z is utilized in precision CNC machinery and power supply units where consistent thermal stability is paramount for equipment reliability and uptime.

Supplemental Images