PFB0824DHE-R00 Delta 24VDC 1.63A 80x80x38mm Axial Fan Datasheet

Brand: Delta

SKU: 684335944924

Category: Axial & Centrifugal Fans

Price: **$16.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/pfb0824dhe-r00-delta-24vdc-1-63a-80x80x38mm-axial-fan

Product Description

The Delta PFB0824DHE-R00 is a high-static pressure Axial Fan engineered for demanding thermal management environments. Utilizing advanced DC motor technology and a robust dual ball bearing architecture, this unit ensures sustained operation under high mechanical stress while minimizing thermal impedance. The 80mm frame houses an impeller designed for aerodynamic efficiency, delivering substantial airflow to overcome system resistance in densely packed enclosures. Its structural rigidity and precise balancing reduce vibration, making it suitable for mission-critical industrial applications requiring reliable heat dissipation and long-term durability.

Model Number: PFB0824DHE-R00
Brand: Delta Electronics
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 14.0 - 27.6 VDC
Rated Current: 1.63 A
Power: 39.12 W
Rated Speed: 9000 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 132.56 CFM (225.2 m^3/h / 3.75 m^3/min)
Max. Static Pressure: 25.15 mmH_2O (246.6 Pa / 0.99 inH_2O)

Dimensions: 80 x 80 x 38 mm
Weight: 200 g
Life Expectancy: 70,000 Hours at 40°C
Noise Level: 65.0 dB-A
Sensor Output: R00 (Locked Rotor/Alarm Sensor)
Termination: 3-Wire Lead
Wire Gauge: AWG 24
Housing Material: Plastic (UL 94V-0)
Impeller Material: Plastic (UL 94V-0)
Operating Temperature: -10°C to +60°C
Storage Temperature: -40°C to +70°C
Ingress Protection: IP Rating Optional
Safety Certifications: UL, cUL, TUV, CE
Protection: Polarity Protection, Locked Rotor Protection

Designed for high-density electronic enclosures, the PFB0824DHE-R00 excels in server rack cooling and telecommunications infrastructure where backpressure is significant. This fan is frequently integrated into industrial automation equipment, such as CNC control panels and variable frequency drives, to maintain optimal operating temperatures. The PFB0824DHE-R00 is also utilized in medical instrumentation and power supply units, ensuring component longevity through consistent forced convection.

Supplemental Images