EFC-09E12H-A001 DWPH 12VDC 90x90x25mm 2-Wire Axial Fan Datasheet

Brand: DWPH

SKU: 789305708684

Category: Axial & Centrifugal Fans

Price: **$11.99**

E-mail: sales@equipspares.com

Web: https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/efc-09e12h-a001-dwph-12vdc-90x90x25mm-2-wire-axial-fan

Product Description

The DWPH EFC-09E12H-A001 is a precision-engineered axial fan designed for critical thermal management in industrial electronics. Utilizing advanced DC motor technology paired with a robust dual ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous load. The aerodynamic impeller design optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance within high-density enclosures. Engineered for reliability, the EFC-09E12H-A001 provides consistent cooling performance, making it an essential component for maintaining system stability in demanding environments requiring efficient heat dissipation.

Model Number: EFC-09E12H-A001
Brand: DWPH
Product Type: DC Axial Fan
Rated Voltage: 12VDC
Voltage Range: 7.0 - 13.8 VDC
Rated Current: 0.28 A
Power Input: 3.36 W
Rated Speed: 3200 RPM
Bearing Type: Dual Ball Bearing
Max. Air Flow: 54.8 CFM (93.1 m^3/h / 1.55 m^3/min)

Max. Static Pressure: 4.57 mmH_2O (44.8 Pa / 0.18 inH_2O)
Dimensions: 90x90x25mm
Frame Material: Thermoplastic PBT (UL94V-0)
Impeller Material: Thermoplastic PBT (UL94V-0)
Termination: 2-Wire Lead (Red +, Black -)
Noise Level: 36.0 dB(A)
Operating Temperature: -10°C to +70°C
Storage Temperature: -40°C to +70°C
Life Expectancy: 70,000 Hours at 40°C
Ingress Protection: IP20
Safety Approvals: CE, UL, TUV
Weight: 95g

The EFC-09E12H-A001 is specifically calibrated for integration into compact electronic assemblies where reliable airflow is paramount. Common deployment environments include server rack power supply units, industrial automation control panels, and telecommunications chassis requiring sustained thermal regulation. The EFC-09E12H-A001 is also frequently utilized in medical instrumentation and CNC machinery cooling systems, ensuring sensitive components remain within safe operating temperature ranges to prevent thermal throttling or hardware failure.

Supplemental Images