

EFH-09C12D-EP01 DWPH 12VDC 0.80A 92mm Blower Datasheet



Brand: DWPH

SKU: [928151754881](#)

Category: Axial & Centrifugal Fans

Price: **\$30.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page: <https://www.equipspares.com/product/efh-09c12d-ep01-dwph-12vdc-0-80a-92mm-blower>

Product Description

DWPH EFH-09C12D-EP01 is a 12VDC 92mm Blower optimized for high-density thermal management in ultra-small form factor (USFF) computing environments. Engineered with a high-efficiency DC brushless motor and precision bearing architecture, this blower addresses the critical thermal impedance found in restricted internal volumes. The aerodynamic centrifugal impeller is designed to maintain structural rigidity under high rotational speeds, ensuring consistent laminar airflow across heat sinks. Operating at 0.80A, this unit delivers a robust 17.69 CFM, providing the necessary static pressure to overcome the airflow resistance of compact internal components while maintaining system stability during peak processing loads.

Model Number: EFH-09C12D-EP01

Brand: DWPH

Product Type: Blower (Centrifugal Fan)

Rated Voltage: 12 VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.80 A

Power: 9.6 W

Rated Speed: 4500 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 17.69 CFM (30.05 m³/h)

Max. Static Pressure: 18.45 mmH₂O (180.9 Pa)

Dimensions: 92 x 92 x 25 mm

Weight: 85 g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM (Pulse Width Modulation)

Feedback: Tachometer / Frequency Generator

Termination: 4-Pin / 4-Wire Connector

Part Number: 0YV0R9 / 0YV0R9

Housing Material: UL94V-0 Thermoplastic PBT

Blade Material: UL94V-0 Thermoplastic PBT

Operating Temperature: -10 to +70 °C

Protection: Locked Rotor Protection, Reverse Polarity Protection

EFH-09C12D-EP01 Applications

1. Dell OptiPlex Micro Form Factor (MFF) Systems: Engineered as a direct replacement fan for 7010 MFF Plus, 3000, and 7000 series to maintain OEM-spec thermal dissipation in 1L chassis.
2. High-Impedance USFF Enclosures: Ideal for overcoming the backpressure generated by densely packed copper fin heat sinks in mini-PC architectures.
3. Industrial Embedded Controllers: Provides localized spot cooling for high-wattage processors in fan-assisted ruggedized small-scale industrial computers.

Supplemental Images

