

EFH-08E12W-NP01 DWPH 12VDC 0.70A 80x80x25mm Axial Fan Datasheet



Brand: DWPH

SKU: [866728470235](#)

Category: Axial & Centrifugal Fans

Price: **\$12.99**

E-mail: sales@equipspares.com

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

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Product Description

The DWPH EFH-08E12W-NP01 is a high-efficiency Axial Fan engineered for demanding thermal management environments. Utilizing a brushless DC motor architecture, this unit provides exceptional structural rigidity through its reinforced PBT housing and impeller. The aerodynamic blade profile is optimized to minimize thermal impedance while maximizing static pressure across dense heat sinks. Its dual ball bearing system ensures long-term reliability and stable operation under continuous duty cycles. The integration of advanced motor control circuitry allows for precise speed modulation, ensuring the EFH-08E12W-NP01 maintains optimal airflow-to-noise ratios in mission-critical hardware deployments.

Model Number: EFH-08E12W-NP01

Brand: DWPH

Product Type: Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.8 VDC

Rated Current: 0.70A

Power: 8.4W

Rated Speed: 4800 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Dimensions: 80x80x25mm

Weight: 95g

Life Expectancy: 70,000 Hours at 40°C

Speed Control: PWM Signal

Monitoring Output: Tachometer / Frequency Generator

Termination: 4-Lead Wires

Housing Material: Thermoplastic PBT (UL94V-0)

Blade Material: Thermoplastic PBT (UL94V-0)

Insulation Class: Class A

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +75°C

Protection Features: Locked Rotor Protection, Reverse Polarity Protection

Certifications: CE, RoHS, UL

The EFH-08E12W-NP01 is specifically designed for high-density cooling applications such as network switches, server chassis, and industrial power supplies. Given the compact 80mm frame, the EFH-08E12W-NP01 excels in environments where space is constrained but high heat dissipation is required. It is frequently utilized in telecommunications equipment and CNC control cabinets to prevent component overheating. The robust construction of the EFH-08E12W-NP01 ensures it remains a reliable choice for 24/7 operation in professional-grade electronic enclosures.

Supplemental Images

