

EFS-04D12M DWPH 12VDC 40x40x20mm Hydraulic Axial Fan Datasheet



Brand: DWPH

SKU: 982428988410

Category: Axial & Centrifugal Fans

Price: \$7.99

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/efs-04d12m-dwph-12vdc-40x40x20mm-hydraulic-axial-fan>

Product Description

The DWPH EFS-04D12M is a DC Axial Fan engineered for precision thermal management in compact electronic assemblies. Utilizing advanced hydraulic bearing architecture, this unit minimizes friction coefficients while maintaining structural rigidity under continuous operation. The aerodynamic impeller design optimizes airflow efficiency, effectively reducing thermal impedance in high-density circuits. Designed for 12VDC systems, it balances acoustic performance with reliable static pressure generation, making it a robust solution for industrial and commercial cooling requirements.

Model Number: EFS-04D12M

Brand: DWPH

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 10.2 - 13.8 VDC

Rated Current: 0.12 A

Power Consumption: 1.44 W

Rated Speed: 5500 RPM

Bearing Type: Hydraulic Bearing

Max. Air Flow: 7.80 CFM (13.25 m³/h / 0.22 m³/min)

Max. Static Pressure: 4.20 mmH₂O (41.19 Pa / 0.16 inH₂O)

Dimensions: 40x40x20mm

Noise Level: 26.0 dBA

Termination: 2-Wire Lead

Housing Material: PBT Plastic (UL94V-0)

Blade Material: PBT Plastic (UL94V-0)

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Life Expectancy: 40,000 Hours @ 40°C

Mounting Orientation: Any

Weight: 26 g

The EFS-04D12M is frequently integrated into compact electronic enclosures where space constraints demand efficient airflow solutions. Common deployment environments include network switches, DVR cooling systems, and small-scale power supply units. The EFS-04D12M ensures critical component stability in telecommunications equipment and industrial automation controllers, preventing thermal throttling in restricted chassis designs.

Supplemental Images

