

EFC-04G12W-BP01 DWPH 12VDC 40x40x28mm Server Axial Fan Datasheet



Brand: DWPH

SKU: [1003756150116](#)

Category: Axial & Centrifugal Fans

Price: **\$9.99**

E-mail: sales@equipspares.com

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

Product Page:

<https://www.equipspares.com/product/efc-04g12w-bp01-dwph-12vdc-40x40x28mm-server-axial-fan>

Product Description

The DWPH EFC-04G12W-BP01 is a high-performance DC Axial Fan engineered for demanding thermal management environments requiring significant static pressure capabilities. This unit utilizes a robust DC motor architecture paired with a precision dual ball bearing system to ensure operational longevity and structural rigidity under high rotational speeds. Designed with a compact 40mm frame, it delivers exceptional airflow density relative to its footprint, making it ideal for overcoming high thermal impedance in densely packed electronic enclosures. The aerodynamic blade geometry is optimized to maximize intake efficiency while maintaining stability, ensuring reliable heat dissipation for critical industrial and server-grade hardware.

Model Number: EFC-04G12W-BP01

Brand: DWPH

Product Type: DC Axial Fan

Rated Voltage: 12VDC

Voltage Range: 7.0 - 13.2 VDC

Rated Current: 1.00 A

Power: 12.00 W

Rated Speed: 18000 RPM

Bearing Type: Dual Ball Bearing

Max. Air Flow: 24.8 CFM (42.1 m³/h / 0.70 m³/min)

Max. Static Pressure: 2.35 inH₂O (585 Pa / 59.6 mmH₂O)

Dimensions: 40 x 40 x 28 mm

Weight: 52 g

Life Expectancy: 70,000 Hours @ 40°C

Speed Control: PWM / Tachometer (4-Wire)

Housing Material: PBT (UL94V-0)

Blade Material: PBT (UL94V-0)

Ingress Protection: IP20

Operating Temperature: -10°C to +70°C

Storage Temperature: -40°C to +70°C

Noise Level: 56.0 dBA

Termination: Lead Wires

Mounting Orientation: Any

Certifications: UL, CE, TUV

The EFC-04G12W-BP01 is specifically designed for high-density server racks and 1U chassis applications where space is limited but cooling requirements are extreme. Due to its high static pressure profile, the EFC-04G12W-BP01 is frequently integrated into network switches, redundant power supply units, and specialized telecommunications equipment. It is also suitable for compact industrial automation systems and CNC machinery controllers that demand consistent airflow to prevent thermal throttling. The robust construction ensures the EFC-04G12W-BP01 maintains performance in continuous-duty cycles typical of enterprise computing environments.

Supplemental Images

