

4312L ebmpapst 12VDC 120x120x32mm Axial Fan Datasheet



Brand: ebmpapst

SKU: [1015223857409](#)

Category: Axial & Centrifugal Fans

Price: **\$27.99**

E-mail: sales@equipspares.com

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Product Page: <https://www.equipspares.com/product/4312l-ebmpapst-12vdc-120x120x32mm-axial-fan>

Product Description

The ebmpapst 4312L is a precision-engineered DC axial fan designed for critical thermal management in industrial electronics and automation systems. Utilizing an advanced external rotor motor design, this unit delivers consistent airflow while maintaining high structural rigidity through its fiberglass-reinforced composite housing. The 4312L features a robust ball bearing system, ensuring operational longevity and stability even under continuous duty cycles. Optimized for low-noise performance without compromising static pressure capabilities, this 12VDC cooling solution effectively mitigates thermal impedance in densely packed enclosures. Its aerodynamic impeller geometry minimizes turbulence, making it an ideal component for systems requiring reliable heat dissipation and electromagnetic compatibility.

Model Number: 4312L

Brand: ebmpapst

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 6.0 - 15.0 VDC

Rated Current: 0.10 A (100 mA)

Power Consumption: 1.2 W

Rated Speed: 1550 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 56.0 CFM (95.0 m³/h / 1.58 m³/min)

Max. Static Pressure: 2.75 mmH₂O (27.0 Pa / 0.11 inH₂O)

Noise Level: 30 dB(A)

Dimensions: 120 x 120 x 32 mm

Weight: 0.22 kg

Housing Material: Fiberglass Reinforced PBT (UL94V-0)

Impeller Material: Fiberglass Reinforced PA (UL94V-0)

Termination: 2-Wire / Flat Plugs (Blade Terminals)

Operating Temperature: -20°C to +75°C

Life Expectancy: 80,000 Hours (40°C)

Motor Protection: Reverse Polarity Protected, Impedance Protected

Ingress Protection: IP20

Approvals: CE, CSA, UL, VDE

The 4312L is engineered for versatile deployment in industrial automation and telecommunications infrastructure. Specifically suited for cooling variable frequency drives (VFDs), server chassis, and precision industrial control equipment, the 4312L ensures component longevity by preventing thermal throttling. Its low-power profile makes the 4312L an excellent choice for continuous-operation power supplies and cabinet ventilation where acoustic signature and energy efficiency are paramount.

Supplemental Images

