

4414F ebm-papst 24VDC 119x119x25mm 100CFM Axial Fan Datasheet



Brand: ebmpapst

SKU: [713643430496](#)

Category: Axial & Centrifugal Fans

Price: **\$36.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/4414f-ebm-papst-24vdc-119x119x25mm-100cfm-axial-fan>

Product Description

The ebm-papst 4414F is a high-efficiency DC axial fan engineered for demanding thermal management applications requiring substantial airflow in a compact footprint. This unit utilizes advanced motor technology coupled with a precision-balanced impeller to minimize vibration and structural noise while maximizing static pressure capabilities. Designed with a robust housing and fiberglass-reinforced plastic impeller, the fan ensures structural rigidity and long-term reliability under continuous operation. The aerodynamic profile of the blades reduces turbulence, thereby optimizing the thermal impedance of the cooling system. It features a maintenance-free ball bearing system that supports operation in various mounting orientations, making it suitable for complex industrial integration.

Model Number: 4414F

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12 - 28 VDC

Rated Current: 210 mA

Power Consumption: 5.0 W

Rated Speed: 5400 RPM

Max. Air Flow: 100 CFM (170 m³/h)

Bearing Type: Ball Bearing

Dimensions: 119 x 119 x 25 mm

Weight: 0.175 kg

Noise Level: 43 dB(A)

Termination: 3-Wire Leads

Housing Material: PBT Plastic (Fiberglass Reinforced)

Impeller Material: PA Plastic (Fiberglass Reinforced)

Operating Temperature: -20°C to +70°C

Life Expectancy: 60,000 Hours (at 40°C)

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Direction of Airflow: Air Exhaust Over Struts

Motor Protection: Reverse Polarity, Locked Rotor Protection

Approvals: VDE, CSA, UL, CE

The 4414F is specifically calibrated for high-density electronic cooling tasks, such as variable frequency drive (VFD) inverters and server rack ventilation. Its compact 25mm depth allows for seamless installation in tight enclosures found in telecommunications equipment and medical devices. The 4414F provides consistent thermal regulation, preventing component overheating in automation control panels and power supply units.

Supplemental Images

