

4414FD ebm-papst 24VDC 5W 100CFM Axial Fan Datasheet



Brand: ebmpapst

SKU: 1048967549513

Category: Axial & Centrifugal Fans

Price: **\$24.94**

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Product Page: <https://www.equipspares.com/product/4414fd-ebm-papst-24vdc-5w-100cfm-axial-fan>

Product Description

ebm-papst 4414FD 119 x 119 x 25.4 mm 24 VDC 100 CFM DC axial fan. The unit features a fiberglass-reinforced plastic PBTP housing and PA impeller, driven by a 5 W motor drawing 0.21 A at a nominal speed of 2900 RPM. It utilizes a dual ball bearing system for extended operational longevity and interfaces via standard 2-wire leads. The fan operates within a 12 to 28 VDC range, generating 43 dBA of acoustic noise while maintaining an IP20 environmental protection rating.

4414FD Specifications

Model: 4414FD

Brand: ebm-papst

Product Category: DC Axial Fan

Nominal Voltage: 24 VDC

Operating Voltage Range: 12 to 28 VDC

Power Consumption: 5 W

Nominal Current: 0.21 A

Maximum Airflow: 100 CFM

Airflow Volume: 170 m³/h

Nominal Speed: 2900 RPM

Acoustic Noise Level: 43 dBA

Bearing System: Dual Ball Bearing

Dimensions: 119 x 119 x 25.4 mm

Weight: 172.37 g

Housing Material: Plastic (PBTP)

Impeller Material: Plastic (PA)

Termination: 2-Wire Leads

Operating Temperature Range: -20 to 75 °C

Ingress Protection: IP20

4414FD Applications

Primary applications include integration into CNC spindle cooling systems, telecom base station enclosures, and industrial HVAC control panels. Deployed within automated factory robotics cabinets, server racks, and high-power LED thermal management arrays to ensure continuous heat dissipation. Utilized in variable frequency drive enclosures and heavy-duty power supply units requiring forced convection cooling.

Supplemental Images

