

4484FD ebmpapst 24VDC 210mA 120x120x25mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 1020328136981

Category: Axial & Centrifugal Fans

Price: \$36.99

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Product Page:

<https://www.equipspares.com/product/4484fd-ebmpapst-24vdc-210ma-120x120x25mm-axial-fan>

Product Description

The ebmpapst 4484FD is a DC Axial Fan engineered for critical thermal management in industrial environments. Utilizing advanced motor technology, this unit delivers a robust 5W performance profile while maintaining optimal energy efficiency. The aerodynamic design of the fiberglass-reinforced plastic impeller ensures high airflow throughput with minimized turbulence, resulting in a favorable noise-to-performance ratio. Built with structural rigidity and precision bearings, the 4484FD reduces thermal impedance in high-density electronics, ensuring long-term reliability and operational stability under continuous load conditions.

Model Number: 4484FD

Brand: ebmpapst

Product Type: DC Axial Fan

Rated Voltage: 24VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 0.21 A (210 mA)

Power Consumption: 5.0 W

Rated Speed: 2900 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 105.9 CFM (180 m³/h)

Max. Static Pressure: 0.24 inH₂O (60 Pa)

Dimensions: 120x120x25mm

Weight: 0.37 lbs (170 g)

Life Expectancy: 60,000 hrs @ 40°C (L10)

Noise Level: 43 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PA Plastic (UL94V-0)

Termination: 2 Lead Wires (AWG 24)

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +80°C

Safety Approvals: VDE, CSA, UL, CE

Direction of Rotation: Clockwise looking at rotor

Airflow Direction: Air exhaust over struts

The 4484FD is specifically designed for high-demand cooling applications such as variable frequency drives (VFDs), industrial control cabinets, and telecommunications infrastructure. Its compact 25mm profile allows for seamless integration into space-constrained enclosures where efficient heat dissipation is paramount. Engineers frequently deploy the 4484FD in server rack cooling modules and precision medical instrumentation, relying on its consistent airflow to prevent thermal throttling. Additionally, the robust construction makes the 4484FD suitable for automation equipment requiring continuous duty cycles.

Supplemental Images

