

4414H ebmpapst 24VDC 119x119x38mm Axial Fan Datasheet



Brand: ebmpapst

SKU: 710151531617

Category: Axial & Centrifugal Fans

Price: \$94.99

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Product Page: <https://www.equipspares.com/product/4414h-ebmpapst-24vdc-119x119x38mm-axial-fan>

Product Description

The ebmpapst 4414H is a precision-engineered DC axial fan designed for demanding thermal management applications requiring high airflow density. Utilizing an advanced external rotor motor design, this unit optimizes aerodynamic efficiency while maintaining structural rigidity through its fiberglass-reinforced composite housing. The system features a maintenance-free ball bearing architecture, ensuring long-term reliability and consistent performance under continuous operation. Its commutation electronics provide stable rotational speed, effectively managing thermal impedance in compact enclosures. The 4414H integrates robust protection mechanisms, making it suitable for industrial environments where consistent air delivery and durability are paramount.

Model Number: 4414H

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Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 18 - 28 VDC

Rated Current: 0.36 A

Power Consumption: 8.6 W

Rated Speed: 4500 RPM

Max. Air Flow: 108.3 CFM (184 m³/h / 3.07 m³/min)

Max. Static Pressure: 14.2 mmH₂O (140 Pa / 0.56 inH₂O)

Noise Level: 50 dB(A)

Bearing Type: Ball Bearing

Dimensions: 119 x 119 x 38 mm

Weight: 0.27 kg

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PA Plastic (UL94V-0)

Termination: 2 Wire Leads (AWG 24, TR 64)

Operating Temperature: -20 to +75 °C

Storage Temperature: -40 to +80 °C

Life Expectancy: 70,000 Hours (40°C)

Ingress Protection: IP20

Insulation Class: E

Motor Protection: Reverse Polarity, Locked Rotor

Safety Approval: CE, CSA, UL, VDE

This high-performance cooling solution is engineered for critical industrial and IT infrastructure. The 4414H is frequently deployed in server rack cabinets and telecommunications base stations where sustained airflow is necessary to prevent thermal throttling. Additionally, the 4414H serves as a vital component in CNC machinery control panels and medical diagnostic equipment, ensuring sensitive electronics remain within optimal operating temperature ranges. Its robust construction also suits power supply units and automation drive cooling.

Supplemental Images

