

4414M ebm-papst 24VDC 119x119x38mm 4.1W Axial Fan Datasheet



Brand: ebmpapst

SKU: 974256176679

Category: Axial & Centrifugal Fans

Price: \$77.99

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Product Page:

<https://www.equipspares.com/product/4414m-ebm-papst-24vdc-119x119x38mm-4-1w-axial-fan>

Product Description

The ebm-papst 4414M is a DC Axial Fan engineered for critical thermal management in industrial environments. Utilizing advanced commutation electronics and a precision-balanced impeller, this unit delivers optimal airflow while maintaining low thermal impedance. The construction features a fiberglass-reinforced plastic housing (PBT) ensuring structural rigidity and resistance to environmental stress. Equipped with a durable ball bearing system, the 4414M ensures consistent rotational stability and extended operational longevity. Its aerodynamic blade profile minimizes turbulence, enhancing static pressure capabilities for high-density component cooling.

Model Number: 4414M

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12 - 28 VDC

Rated Current: 0.170 A

Power Consumption: 4.1 W

Rated Speed: 3300 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 108 CFM (184 m³/h / 3.06 m³/min)

Max. Static Pressure: 6.9 mmH₂O (68 Pa / 0.27 inH₂O)

Dimensions: 119x119x38mm

Weight: 0.175 kg

Life Expectancy: 70,000 Hours (40°C)

Noise Level: 43 dB(A)

Housing Material: PBT Plastic (UL94V-0)

Impeller Material: PA Plastic (UL94V-0)

Operating Temperature: -20 to +75 °C

Storage Temperature: -40 to +80 °C

Termination: 2 Wire Leads (AWG 24)

Protection: Reverse Polarity; Locked Rotor Protection

Direction of Rotation: Clockwise viewed over rotor

The 4414M is specifically designed for integration into high-demand electronic enclosures such as telecommunications base stations and server rack cooling systems. Its robust performance makes it suitable for industrial automation control panels and medical diagnostic equipment where reliable heat dissipation is mandatory. Engineers frequently specify the 4414M for CNC machinery and power supply units, relying on its compact form factor and high airflow-to-noise ratio to maintain optimal operating temperatures in continuous duty cycles.

Supplemental Images

