4414FL ebm-papst 24VDC 119x119x25mm 50mA 1.2W Axial Fan Datasheet

Brand: ebmpapst

SKU: 992670227501

Category: Axial & Centrifugal Fans

Price: **$34.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/4414fl-ebm-papst-24vdc-119x119x25mm-50ma-1-2w-axial-fan

Product Description

The ebm-papst 4414FL is a DC Axial Fan engineered for applications requiring a balance between efficient airflow and minimal acoustic resonance. Operating at a nominal 24VDC with a low power consumption of 1.2W, this unit utilizes an advanced aerodynamic impeller design housed within a rugged fiberglass-reinforced PBT frame. The motor architecture features a precision double ball bearing system, which significantly enhances structural rigidity and reduces thermal impedance over extended operation periods. Designed for reliability, the fan incorporates electronic commutation with integrated reverse polarity protection, ensuring stable performance in demanding industrial environments.

Model Number: 4414FL
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 12.0 - 28.0 VDC
Power Input: 1.2 W
Rated Current: 0.05 A
Rated Speed: 1600 RPM
Max. Air Flow: 55.3 CFM (94 m^3/h)
Max. Static Pressure: 2.4 mmH_2O (24 Pa)

Noise Level: 26 dB(A)
Bearing Type: Double Ball Bearing
Dimensions: 119 x 119 x 25 mm
Weight: 0.175 kg
Termination: 2-Wire
Housing Material: PBT Plastic (UL94V-0)
Impeller Material: PA Plastic (UL94V-0)
Operating Temperature: -20°C to +75°C
Life Expectancy: 70,000 Hours @ 40°C
Direction of Rotation: Clockwise looking at rotor
Airflow Direction: Air exhaust over struts
Ingress Protection: IP20
Insulation Class: E

The 4414FL is specifically calibrated for deployment in electronic cabinet cooling, variable frequency drives (VFDs), and precision industrial automation systems where space and noise are critical factors. Its robust thermal management capabilities make the 4414FL suitable for continuous duty in telecommunications racks and medical devices, ensuring critical components remain within safe operating temperature ranges.

Supplemental Images