4114N/17HH ebm-papst 24VDC 119x119x38mm 0.51A Axial Fan Datasheet

Brand: ebmpapst

SKU: 958036785051

Category: Axial & Centrifugal Fans

Price: **$53.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/4114n-17hh-ebm-papst-24vdc-119x119x38mm-0-51a-axial-fan

Product Description

The ebm-papst 4114N/17HH is a high-performance DC axial fan engineered for demanding industrial thermal management applications. This unit features a robust die-cast aluminum housing coupled with a fiberglass-reinforced plastic impeller, ensuring structural rigidity and longevity under continuous operation. Utilizing advanced ball bearing technology, the fan delivers exceptional rotational stability and reduced friction, contributing to a high airflow capacity relative to its compact form factor. The integrated electronic commutation drive system optimizes energy efficiency while providing a tachometer output signal for precise speed monitoring. Designed with optimized aerodynamics, it minimizes turbulence-induced noise while maintaining high static pressure capabilities essential for overcoming system impedance in densely packed electronic enclosures.

Model Number: 4114N/17HH
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 16 - 30 VDC
Rated Current: 0.51 A
Power Consumption: 12 W
Rated Speed: 6000 RPM
Max. Air Flow: 153 CFM (260 m^3/h)

Noise Level: 60 dB(A)
Bearing Type: Ball Bearing
Dimensions: 119 x 119 x 38 mm
Weight: 0.390 kg
Housing Material: Die-cast Aluminum
Impeller Material: PA Plastic (UL 94 V-0)
Direction of Rotation: Clockwise, looking at rotor
Airflow Direction: Intake over struts
Service Life L10 at 40°C: 70,000 hours
Operating Temperature: -20 to +65 °C
Speed Signal: Yes (Tachometer /17)
Motor Protection: Reverse Polarity, Locked Rotor Protection
Termination: 3-Wire Leads (AWG 22, TR 64)
Certifications: VDE, CSA, UL, CE

The 4114N/17HH is specifically calibrated for high-density electronic cooling scenarios where reliability is paramount. Common deployments include server rack ventilation, telecommunications base stations, and industrial automation control cabinets. The robust metal construction allows the 4114N/17HH to withstand harsh operating environments found in CNC machinery and power supply units. Its high static pressure profile makes it ideal for forcing air through restrictive heat sinks and filters in medical diagnostic equipment and network switches, ensuring critical components remain within safe thermal operating limits.

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