

# 614NHH ebm-papst 24VDC 60x60x25mm Compact Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** [727464661229](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$50.99**

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Product Page:

<https://www.equipspares.com/product/614nhh-ebm-papst-24vdc-60x60x25mm-compact-axial-fan>

## Product Description

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The ebm-papst 614NHH is a compact Axial Fan engineered for high-density industrial applications requiring reliable thermal management. Utilizing advanced DC motor technology and a precision ball bearing architecture, this unit ensures minimal friction and extended operational longevity under continuous loads. The aerodynamic design of the glass-fiber reinforced plastic impeller optimizes airflow while maintaining structural rigidity, effectively reducing thermal impedance in enclosed electronics. Designed for robust performance, the 614NHH features an external rotor motor integrated directly into the impeller hub, providing a compact footprint with superior heat dissipation characteristics suitable for demanding environments. The unit is constructed with UL94V-0 rated materials, ensuring compliance with stringent safety standards for flammability and electrical insulation.

Model Number: 614NHH

Brand: ebm-papst

Product Type: Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Rated Current: 0.125 A

Power Input: 3.0 W

Rated Speed: 6850 RPM

Bearing Type: Ball Bearing  
Max. Air Flow: 33.0 CFM (56.0 m<sup>3</sup>/h / 0.93 m<sup>3</sup>/min)  
Max. Static Pressure: 9.17 mmH<sub>2</sub>O (90 Pa / 0.36 inH<sub>2</sub>O)  
Dimensions: 60 x 60 x 25 mm  
Weight: 0.066 kg (66 g)  
Life Expectancy: 70,000 hrs at 40°C  
Noise Level: 41 dB(A)  
Housing Material: PBT Plastic (UL94V-0)  
Impeller Material: PA Plastic (UL94V-0)  
Termination: 2-Wire Leads (AWG 22, TR 64)  
Operating Temperature: -20°C to +70°C  
Storage Temperature: -40°C to +80°C  
Direction of Rotation: Clockwise (viewed toward rotor)  
Airflow Direction: Air exhaust over struts  
Motor Protection: Impedance Protected / Reverse Polarity  
Insulation Class: E  
Approvals: VDE, CSA, UL, CE

The 614NHH is specifically calibrated for critical cooling tasks within industrial automation and power conversion systems. Frequently deployed in variable frequency drives (VFDs) and compact server enclosures, this fan ensures optimal operating temperatures for sensitive semiconductor components. The 614NHH is also widely utilized in telecommunications equipment, medical diagnostic devices, and precision CNC control panels where space is limited but airflow requirements remain stringent. Its robust construction allows for reliable integration into power supply units and network switches requiring consistent thermal regulation.

## Supplemental Images

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