

# 5214NH ebm-papst 24VDC 127x127x38mm 109CFM Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** [897786778202](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$120.99**

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Product Page:

<https://www.equipspares.com/product/5214nh-ebm-papst-24vdc-127x127x38mm-109cfm-axial-fan>

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## Product Description

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The ebm-papst 5214NH is a high-efficiency DC axial fan engineered for critical thermal management in compact industrial enclosures. Utilizing an electronically commutated external rotor motor, this unit delivers consistent airflow with optimized static pressure capabilities. The construction features a glass-fiber reinforced PBT housing and impeller, ensuring structural rigidity and resistance to thermal stress. Equipped with precision ball bearings, the 5214NH minimizes frictional losses, resulting in a low thermal impedance and extended service life under continuous operation. Its aerodynamic blade geometry reduces turbulence-induced noise, making it suitable for noise-sensitive precision equipment and power electronics cooling.

Model Number: 5214NH

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 415 mA

Power Consumption: 10.0 W

Rated Speed: 3050 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 109.5 CFM (186 m<sup>3</sup>/h / 3.1 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: 127 x 127 x 38 mm

Weight: 0.31 kg (0.68 lbs)

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 51 dB(A)

Housing Material: PBT Plastic (Glass-fiber reinforced)

Impeller Material: PA Plastic (Glass-fiber reinforced)

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +80°C

Termination: 2 Wire Leads (AWG 22, TR 64)

Direction of Rotation: Counter-clockwise (viewed toward rotor)

Airflow Direction: Air exhaust over struts

Motor Protection: Reverse Polarity, Locked Rotor Protection

Approvals: VDE, CSA, UL, CE

The 5214NH is specifically designed for demanding cooling applications requiring reliable air movement in restricted spaces. Frequently utilized in variable frequency drive (VFD) cooling systems and inverter cabinets, the 5214NH ensures optimal operating temperatures for power electronics. Its robust design also makes it ideal for server rack ventilation, telecommunications equipment, and medical devices where consistent thermal dissipation is critical. By maintaining stable airflow, the 5214NH prevents component overheating in continuous-duty industrial machinery.

## Supplemental Images

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