

# ebmpapst DV4114/2NH-217 24VDC 120x120x38mm Axial Fan Datasheet



**Brand:** ebmpapst

**SKU:** [DV4114/2NH-217](#)

**Category:** Axial & Centrifugal Fans

**Price:** **\$278.99**

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Product Page:

<https://www.equipspares.com/product/ebmpapst-dv4114-2nh-217-24vdc-120x120x38mm-axial-fan>

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## Product Description

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The ebmpapst DV4114/2NH-217 is a high-performance diagonal compact axial fan designed for thermally demanding industrial environments requiring significant pressure development. This unit leverages advanced motor commutation technology to deliver efficient airflow while maintaining structural rigidity through its robust construction. The fan features a precisely balanced impeller housed within a chemically resistant frame, ensuring optimal aerodynamic performance and reduced turbulence. Engineered for continuous duty cycles, the DV4114/2NH-217 incorporates a durable ball bearing system that significantly lowers thermal impedance and frictional wear, thereby extending the mean time between failures (MTBF). Its design is specifically optimized for high-static pressure applications, making it an ideal thermal management solution for densely packed electronic enclosures.

Model Number: DV4114/2NH-217

Brand: ebmpapst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 16 - 30 VDC

Rated Current: 1.33 A

Power Consumption: 32 W

Rated Speed: 6000 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 158.9 CFM (270 m<sup>3</sup>/h)

Max. Static Pressure: 1.32 inH<sub>2</sub>O (330 Pa)

Dimensions: 119 x 119 x 38 mm

Weight: 0.390 kg (390 g)

Life Expectancy: 70,000 Hours (40°C)

Noise Level: 69 dB(A)

Housing Material: Glass-fiber reinforced PBT plastic / Aluminum

Impeller Material: Glass-fiber reinforced PA plastic

Operating Temperature: -20°C to +65°C

Storage Temperature: -40°C to +80°C

Insulation Class: E

Ingress Protection: IP20

Motor Protection: Locked-rotor and reverse polarity protection

Termination: Lead wires

Compliance: CE, UL, CSA, VDE

The DV4114/2NH-217 is frequently deployed in mission-critical industrial automation systems, including KUKA robotics controllers where reliable heat dissipation is paramount. Its robust pressure capabilities make the DV4114/2NH-217 suitable for cooling high-density server racks, CNC machinery control panels, and large-scale power supply units. The fan is also widely utilized in telecommunications infrastructure and medical imaging equipment, where maintaining stable operating temperatures is essential for component longevity and system reliability.

## Supplemental Images

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