

624N ebmpapst 24VDC 60x60x25mm Inverter Cooling Axial Fan Datasheet



Brand: ebmpapst

SKU: [897515831332](#)

Category: Axial & Centrifugal Fans

Price: **\$68.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/624n-ebmpapst-24vdc-60x60x25mm-inverter-cooling-axial-fan>

Product Description

The ebmpapst 624N is a compact DC Axial Fan engineered for precision thermal management in space-constrained industrial environments. Utilizing ebm-papst's proprietary Sintec sleeve bearing system, this unit delivers a low-noise acoustic profile while maintaining exceptional structural rigidity through its glass-fiber reinforced PBT housing. The aerodynamic design of the impeller optimizes airflow efficiency, reducing turbulence and enhancing static pressure capabilities. Designed for continuous operation, the 624N ensures reliable heat dissipation with a robust service life, making it an ideal solution for critical electronic cooling applications requiring stable thermal impedance and minimal vibration.

Model Number: 624N

Brand: ebmpapst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 12.0 - 28.0 VDC

Rated Current: 0.10 A

Power Input: 2.4 W

Rated Speed: 4550 RPM

Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 24.1 CFM (41 m³/h / 0.68 m³/min)

Max. Static Pressure: 4.59 mmH₂O (45 Pa / 0.18 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 0.085 kg

Life Expectancy: 85,000 h (L10 @ 40°C)

Noise Level: 28 dB(A)

Housing Material: PBT plastic, fiberglass-reinforced (UL94V-0)

Impeller Material: PA plastic, fiberglass-reinforced (UL94V-0)

Operating Temperature: -20 to +70 °C

Storage Temperature: -40 to +80 °C

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

Direction of Rotation: Clockwise, looking at rotor

Airflow Direction: Air exhaust over struts

Motor Protection: Impedance protected against overloading

Insulation Class: E

Ingress Protection: IP20

Certifications: VDE, CSA, UL, CE

The 624N is specifically engineered for high-reliability cooling in variable frequency drives and industrial inverters where consistent airflow is paramount. Its compact form factor allows for seamless integration into dense server racks, telecommunications equipment, and medical diagnostic devices. By maintaining optimal operating temperatures, the 624N prevents thermal throttling in sensitive components, ensuring longevity and system stability in automation control panels and power supply units.

Supplemental Images

