

614NGN ebm-papst 24VDC 60x60x25mm 2.1W DC Axial Fan Datasheet



Brand: ebmpapst

SKU: 886291391391

Category: Axial & Centrifugal Fans

Price: **\$40.99**

E-mail: sales@equipspares.com

Web: <https://www.equipspares.com>

Product Page:

<https://www.equipspares.com/product/614ngn-ebm-papst-24vdc-60x60x25mm-2-1w-dc-axial-fan>

Product Description

The ebm-papst 614NGN is a high-efficiency DC Axial Fan designed for precision thermal management in compact electronic assemblies. Engineered with a robust 24VDC motor, this unit utilizes ebm-papst's proprietary Sintec sleeve bearing system, which ensures exceptional structural rigidity and reduced acoustic resonance during operation. The fan features an aerodynamic impeller and housing constructed from fiberglass-reinforced PBT (UL94V-0), delivering a balanced airflow profile while maintaining a low power consumption of 2.1W. Its advanced motor commutation electronics provide reliable startup and consistent performance, minimizing thermal impedance in high-density environments. This cooling solution is optimized for longevity and continuous operation in demanding industrial conditions.

Model Number: 614NGN

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Rated Current: 0.09 A (90 mA)

Power: 2.1 W

Rated Speed: 6850 RPM

Bearing Type: Sintec Sleeve Bearing

Max. Air Flow: 33.0 CFM (56 m³/h)

Max. Static Pressure: 6.6 mmH₂O (65 Pa / 0.26 inH₂O)

Dimensions: 60 x 60 x 25 mm

Weight: 0.066 kg (66 g)

Life Expectancy: 70,000 Hours @ 40°C

Noise Level: 41 dB(A)

Housing Material: PBT Plastic, Fiberglass-reinforced (UL94V-0)

Impeller Material: PA Plastic, Fiberglass-reinforced (UL94V-0)

Termination: 2 Lead Wires (AWG 22, TR 64)

Operating Temperature: -20°C to +70°C

Storage Temperature: -40°C to +80°C

Ingress Protection: IP20

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts

Motor Protection: Impedance Protected, Reverse Polarity Protection

Certifications: VDE, CSA, UL, CE

The 614NGN is widely utilized in critical infrastructure requiring reliable forced-air cooling, such as telecommunications sub-racks, network routers, and compact power supply units. Its standardized 60mm form factor makes the 614NGN an excellent choice for spot cooling in CNC machinery control panels and medical diagnostic equipment where space is at a premium. Additionally, the fan is frequently deployed in industrial automation enclosures to prevent thermal throttling of sensitive logic controllers and drive systems.

Supplemental Images

