614NGL ebm-papst 24VDC 60x60x25mm Low Noise Axial Fan Datasheet

Brand: ebmpapst

SKU: 898233065557

Category: Axial & Centrifugal Fans

Price: **$51.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/614ngl-ebm-papst-24vdc-60x60x25mm-low-noise-axial-fan

Product Description

The ebm-papst 614NGL is a DC Axial Fan engineered for applications requiring acoustic discretion and reliable thermal management. Utilizing ebm-papst's proprietary Sintec sleeve bearing system, this unit offers a sophisticated balance between structural rigidity and low-friction operation, significantly extending service life compared to standard sleeve architectures. The aerodynamic design of the glass-fiber reinforced PBT impeller minimizes turbulence and thermal impedance, ensuring consistent airflow delivery at low power consumption levels. Designed for continuous operation, the 614NGL integrates robust commutation electronics to maintain stable rotational speeds under varying load conditions.

Model Number: 614NGL
Brand: ebm-papst
Product Type: DC Axial Fan
Rated Voltage: 24 VDC
Voltage Range: 18.0 - 28.0 VDC
Rated Current: 0.042 A
Power Consumption: 1.0 W
Rated Speed: 3000 RPM
Bearing Type: Sintec Sleeve Bearing
Max. Air Flow: 12.4 CFM (21 m^3/h / 0.35 m^3/min)

Max. Static Pressure: 2.0 mmH_2O (20 Pa / 0.08 inH_2O)
Noise Level: 16 dB(A)
Dimensions: 60 x 60 x 25 mm
Weight: 0.066 kg
Life Expectancy (L10 at 40°C): 80,000 hours
Life Expectancy (L10 at max temp): 40,000 hours
Housing Material: Glass-fiber reinforced PBT plastic (UL94V-0)
Impeller Material: Glass-fiber reinforced PBT plastic (UL94V-0)
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Termination: 2-Wire Leads (AWG 22, TR 64)
Ingress Protection: IP20
Insulation Class: E
Motor Protection: Impedance Protected; Reverse Polarity Protection
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts
Approvals: VDE, CSA, UL, CE

The 614NGL is frequently deployed in precision electronic environments where noise suppression is critical, such as medical diagnostic equipment and quiet-office telecommunications gear. Its compact form factor allows for seamless integration into high-density server racks and localized PCB cooling solutions. Engineers rely on the 614NGL for its exceptional longevity and low power draw, making it an ideal candidate for continuous-duty ventilation in sensitive audio-visual apparatus and compact power supply units.

Supplemental Images