

# 614NGM ebmpapst 24V 60x60x25mm DC Axial Compact Fan

**SKU:** 614NGM

**Price:** \$42.86

**Categories:** Fans

**Tags:** ebmpapst

**Product Link:**

<https://www.electspares.com/product/614ngm-ebmpapst-24v-60x60x25mm-dc-axial-compact-fan/>

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## Product Description

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The ebmpapst 614NGM is a high-performance 24 VDC axial compact fan featuring a 60 mm aerodynamic impeller designed for efficient thermal management in space-constrained environments. Driven by a brushless DC motor with an external rotor, this unit is engineered for optimized air displacement, delivering a powerful airflow of 35 m<sup>3</sup>/h at a rated speed of 4100 RPM. The unit operates with a nominal current of 70 mA and a power consumption of 1.7 W, balancing high-velocity cooling with energy efficiency. The robust design features a glass-fiber reinforced PBT plastic housing and a glass-fiber reinforced PA plastic impeller, ensuring exceptional structural rigidity and low noise emissions. Equipped with a premium Sintec sleeve bearing system and comprehensive electronic protection against reverse polarity and locked-rotor conditions, the 614NGM provides a professional-grade cooling solution for industrial controllers and telecommunications modules across an ambient temperature range of -20 °C to 70 °C.

614NGM Fan Parameters

Model Number: 614NGM

Manufacturer: ebmpapst

Series: 600 N Series

Type: DC Axial Fan

Size: 60 mm

Dimensions: 60 x 60 x 25 mm

Weight: 0.066 kg

Bearing Type: Sintec sleeve bearing

Nominal Voltage: 24 VDC

Voltage Range: 18.0 - 28.0 VDC

Power Consumption: 1.7 W

Nominal Current: 70 mA

Speed: 4100 RPM

Max. Air Flow: 62.23 CFM (105.7 m<sup>3</sup>/h / 1.76 m<sup>3</sup>/min)

Max. Static Pressure: 9.81 mmH<sub>2</sub>O (96.24 Pa / 0.39 inH<sub>2</sub>O)

Actual Air Flow: 35 m<sup>3</sup>/h

Sound Power Level: 4.6 Bel(A)

Sound Pressure Level: 28 dB(A)

Motor Design: Brushless DC motor with external rotor

Motor Protection: Protection against reverse polarity and blocked rotor

Locked-rotor Protection: Electronic locked-rotor and overload protection

Insulation Class: Class E

Electrical Hookup: 2 Lead wires (Red: +24V; Blue: GND); AWG 22

Number of Blades: 5

Direction of Rotation: Clockwise, viewed toward rotor

Airflow Direction: Exhaust over struts

Impeller Material: Glass-fiber reinforced PA plastic

Housing Material: Glass-fiber reinforced PBT plastic

Installation Position: Any

Degree of Protection: IP20

Operating Temperature: -20 - +70 °C

Service Life (L10 @ 40 °C): 80000 h

Service Life (L10 @ Max Temp): 40000 h

Standard Compliance: EN 60950-1, CE

Approval Agency: VDE, CSA, UL

#### Application

The ebmpapst 614NGM axial fan is primarily utilized in industrial control units, telecommunications modules, small power supply cooling, lab instrumentation, and compact electronic enclosures.

## Product Images

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Scan for product details:

