

612NGML ebmpapst 12V 75mA 0.9W 60x60x25mm DC Axial Fan

SKU: 612NGML

Price: \$47.99

Categories: Fans

Tags: ebmpapst

Product Link:

<https://www.electspares.com/product/612ngml-ebmpapst-12v-75ma-0-9w-60x60x25mm-dc-axial-fan/>

Product Description

The ebmpapst 612NGML is a high-performance 12 VDC DC Axial Fan with dimensions of 60 x 60 x 25 mm, specifically engineered for demanding thermal management in industrial frequency converters and electrical control cabinets. Driven by a robust brushless DC motor with integrated electronic protection, this unit provides a precise power consumption of 0.9 W and a nominal current draw of 75 mA at 12 VDC. Operating at a rated speed of 3000 RPM, it delivers a powerful airflow of 25 m³/h for efficient heat extraction while maintaining an ultra-low noise level of 19 dB(A). Constructed with a durable glass-fiber reinforced PBT plastic housing and a 3-blade glass-fiber reinforced PA plastic impeller featuring the proprietary Sintec sleeve bearing system, this 66 g unit provides a dependable air-moving solution with a service life of 80,000 hours, ensuring maximum cooling performance and long-term mechanical stability for high-power inverters, variable frequency drives (VFD), and integrated electrical switchgear systems at the end.

612NGML Fan Parameters

Model Number: 612NGML

Manufacturer: ebmpapst

Type: DC Axial Fan

Impeller Size: 60 mm

Dimensions: 60.0 x 60.0 x 25.0 mm

Weight: 66 g

Bearing Type: Sintec sleeve bearing

Nominal Voltage: 12 VDC

Voltage Range: 8.0 - 15.0 VDC

Nominal Power Consumption: 0.9 W

Nominal Current Draw: 75 mA

Rated Speed: 3000 RPM

Max. Air Flow: 62.23 CFM (105.7 m³/h / 1.76 m³/min)

Max. Static Pressure: 9.81 mmH₂O (96.24 Pa / 0.39 inH₂O)

Working Air Flow: 25 m³/h

Static Pressure Increase: 15 Pa

Motor Protection: Locked-rotor and reverse polarity protection

Insulation Class: Class E

Electrical Hookup: 2 lead wires (Red +, Blue -)

Number of Blades: 5

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Exhaust over struts (Direction "V")

Housing Material: Glass-fiber reinforced PBT plastic

Impeller Material: Glass-fiber reinforced PA plastic

Operation Mode: S1 (Continuous operation)

Sound Power Level: 3.9 Bel

Sound Pressure Level: 19 dB(A)

Service Life (L10): 80,000 h (at 40 °C) / 40,000 h (at 70 °C)

Operating Temperature: -20 - +70 °C

Storage Temperature: -40 - +85 °C

Degree of Protection: IP20

Standard Compliance: EN 60335-1; CE

Approval Agency: VDE; CSA; UL; CCC

Application

The ebmpapst 612NGML DC fan is primarily utilized in industrial frequency converters, power inverters, and electrical control cabinet heat dissipation systems for efficient exhaust and cooling.

Product Images







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