# 622N ebmpapst 12VDC 60x60x25mm Compact Cooling Fan Datasheet


**Brand:** ebmpapst

**SKU:** 678466441671

**Category:** Axial & Centrifugal Fans

**Price:** **$33.99**

**E-mail:** sales@equipspares.com

**Web:** https://www.equipspares.com

Product Page:
https://www.equipspares.com/product/622n-ebmpapst-12vdc-60x60x25mm-compact-cooling-fan

## Product Description

The ebmpapst 622N is a compact DC Axial Fan engineered for precision thermal management in space-constrained electronic assemblies. Utilizing advanced Sintec sleeve bearing technology, this unit delivers a low-noise acoustic profile while maintaining consistent airflow performance, making it ideal for noise-sensitive environments. The rotor and impeller are constructed from glass-fiber reinforced PBT, ensuring high structural rigidity and resistance to thermal stress under continuous operation. Designed with external electronic commutation, the 622N optimizes aerodynamic efficiency to reduce thermal impedance within enclosures, providing a reliable solution for industrial and telecommunications hardware requiring sustained forced convection.

Model Number: 622N
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 8.0 - 15.0 VDC
Rated Current: 160 mA (0.16 A)
Power Consumption: 1.9 W
Rated Speed: 4100 RPM
Max. Air Flow: 24.1 CFM (41 $m^3/h$ / 0.68 $m^3/min$)
Max. Static Pressure: 4.89 $mmH_2O$ (48 Pa / 0.19 $inH_2O$)

Dimensions: 60 x 60 x 25 mm
Weight: 0.085 kg
Bearing Type: Sintec Sleeve Bearing
Noise Level: 28 dB(A)
Impeller Material: Glass-fiber reinforced PA plastic
Housing Material: Glass-fiber reinforced PBT plastic (UL94V-0)
Operating Temperature: -20 to +70 °C
Storage Temperature: -40 to +80 °C
Life Expectancy (L10 at 40°C): 80,000 hours
Life Expectancy (L10 at 70°C): 37,500 hours
Termination: 2 Single strands AWG 22, TR 64
Direction of Rotation: Clockwise, viewed toward rotor
Direction of Airflow: Air exhaust over struts
Motor Protection: Impedance protected against overloading
Approvals: VDE, CSA, UL, CE

This cooling module is specifically calibrated for integration into variable frequency drives and power inverters where acoustic neutrality is paramount. The 622N effectively dissipates heat in compact control cabinets, preventing thermal throttling in sensitive semiconductor components. Additionally, the 622N serves as a critical component in medical instrumentation and telecommunications hardware, ensuring operational stability through reliable forced convection.

## Supplemental Images