

622/2HHP-027 ebm-papst 12VDC 60x60x25mm 4.2W Axial Fan Datasheet



Brand: ebmpapst

SKU: [833511913798](#)

Category: Axial & Centrifugal Fans

Price: **\$29.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/622-2hhp-027-ebm-papst-12vdc-60x60x25mm-4-2w-axial-fan>

Product Description

The ebm-papst 622/2HHP-027 is a high-performance DC axial fan engineered for compact industrial applications requiring significant airflow and structural rigidity. Built upon advanced motor technology, this unit features a glass-fiber reinforced plastic housing and impeller, ensuring durability and resistance to thermal stress. The aerodynamic design of the impeller blades minimizes turbulence while maximizing static pressure, reducing the overall thermal impedance of the cooling system. Equipped with a precision ball bearing system, the motor is designed for long-term reliability and continuous operation. The 4-wire configuration enables advanced integration with speed monitoring and control systems, making it a critical component for precision thermal regulation.

Model Number: 622/2HHP-027

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 12 VDC

Voltage Range: 8.0 - 15.0 VDC

Rated Current: 350 mA

Power Consumption: 4.2 W

Rated Speed: 8200 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 33.0 CFM (56.0 m³/h / 0.93 m³/min)

Max. Static Pressure: 0.54 inH₂O (135 Pa / 13.76 mmH₂O)
Dimensions: 60 x 60 x 25 mm
Weight: 0.066 kg (66 g)
Life Expectancy (L10 at 40°C): 70,000 Hours
Life Expectancy (L10 at max temp): 35,000 Hours
Noise Level: 46 dB(A)
Housing Material: PBT Plastic (Glass-fiber reinforced)
Impeller Material: PA Plastic (Glass-fiber reinforced)
Ingress Protection: IP20
Insulation Class: E
Operating Temperature: -20°C to +70°C
Storage Temperature: -40°C to +80°C
Termination: 4-Wire Leads (310mm AWG 22)
Speed Control: PWM / Tachometer Output
Motor Protection: Reverse Polarity Protection, Locked Rotor Protection
Direction of Rotation: Clockwise (viewed toward rotor)
Airflow Direction: Exhaust over struts
Certifications: UL, CSA, VDE, CE

The 622/2HHP-027 is specifically designed for high-density electronic enclosures where space is at a premium but heat dissipation cannot be compromised. Common deployment scenarios include compact server racks, telecommunications switching equipment, and medical diagnostic devices requiring consistent forced convection. The 622/2HHP-027 is also utilized in industrial automation control panels and power supply units, providing the necessary static pressure to overcome the resistance of dense component layouts and filters.

Supplemental Images

