6212NMB ebmpapst 12VDC 172mm Aluminum Axial Fan Datasheet

Brand: NMB

SKU: 1011452374791

Category: Axial & Centrifugal Fans

Price: **$128.99**

E-mail: sales@equipspares.com

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Product Page:
https://www.equipspares.com/product/6212nmb-ebmpapst-12vdc-172mm-aluminum-axial-fan

Product Description

The ebmpapst 6212NMB is a robust industrial Axial Fan designed to deliver high-capacity thermal management in demanding electronic environments. Engineered with a durable die-cast aluminum housing and advanced DC motor technology, this unit provides exceptional structural rigidity and efficient heat dissipation. The aerodynamic impeller geometry is optimized to reduce turbulence while maintaining high static pressure capabilities, ensuring consistent airflow through dense component arrays. Featuring a precision ball bearing system, the 6212NMB guarantees extended operational longevity and reliability, minimizing thermal impedance in continuous-duty applications. Its wide voltage input range and rugged construction make it a premier choice for critical cooling requirements.

Model Number: 6212NMB
Brand: ebmpapst
Product Type: DC Axial Fan
Rated Voltage: 12 VDC
Voltage Range: 8.0 - 25.0 VDC
Rated Current: 1.0 A (1000 mA)
Power Consumption: 12.0 W
Rated Speed: 2850 RPM
Bearing Type: Ball Bearing

Max. Air Flow: 206.0 CFM (350 m^3/h)
Max. Static Pressure: 0.64 inH_2O (160 Pa)
Dimensions: 172 mm x 51 mm
Weight: 0.90 kg
Housing Material: Die-cast Aluminum
Impeller Material: Fiberglass-reinforced PA plastic
Termination: 2 Lead Wires
Operating Temperature: -20°C to +72°C
Storage Temperature: -40°C to +80°C
Life Expectancy: 80,000 Hours @ 40°C
Mounting Orientation: Any
Ingress Protection: IP20

The 6212NMB is specifically calibrated for integration into heavy-duty industrial machinery and power electronics. It is widely deployed in the cooling of variable frequency drives (VFDs) and large-scale inverters where reliable thermal regulation is critical to prevent system failure. The 6212NMB also serves as a primary cooling solution for telecommunications cabinets, server racks, and CNC automation control panels. Its robust aluminum housing allows it to withstand the mechanical stresses often found in manufacturing environments, ensuring the 6212NMB maintains optimal performance in chassis and enclosure ventilation applications.

Supplemental Images