

7218N ebm-papst 48VDC 150mm 12W 3050RPM Axial Fan Datasheet



Brand: ebmpapst

SKU: 746680920189

Category: Axial & Centrifugal Fans

Price: **\$282.99**

E-mail: sales@equipspares.com

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Product Page:

<https://www.equipspares.com/product/7218n-ebm-papst-48vdc-150mm-12w-3050rpm-axial-fan>

Product Description

The ebm-papst 7218N is a precision-engineered DC axial fan designed for demanding industrial thermal management applications. Utilizing an advanced permanent magnet DC motor with electronic commutation, this unit delivers exceptional efficiency and reliability within a compact footprint. The robust construction features a die-cast aluminum housing that ensures high structural rigidity and optimal heat dissipation, effectively minimizing thermal impedance during continuous operation. Equipped with a maintenance-free ball bearing system, the 7218N guarantees prolonged service life and stable performance under varying load conditions. Its aerodynamic impeller design optimizes airflow while maintaining acoustic neutrality, making it an ideal solution for critical cooling architectures requiring consistent static pressure and durability.

Model Number: 7218N

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 24.0 - 60.0 VDC

Rated Current: 0.25 A

Power Consumption: 12.0 W

Rated Speed: 3050 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 179.5 CFM (305.0 m³/h / 5.08 m³/min)

Max. Static Pressure: 14.78 mmH₂O (145.0 Pa / 0.58 inH₂O)

Dimensions: Ø 150 x 38 mm

Housing Material: Die-Cast Aluminum

Impeller Material: Fiberglass-Reinforced Plastic (PA)

Noise Level: 53.0 dB(A)

Termination: 2 Lead Wires

Weight: 0.725 kg (1.60 lbs)

Operating Temperature: -25°C to +72°C

Life Expectancy: 80,000 Hours (40°C)

Country of Origin: Hungary

Motor Type: Permanent Magnet DC Motor

Ingress Protection: IP20

Direction of Rotation: Counter-clockwise (viewed toward rotor)

The 7218N is widely utilized in telecommunications infrastructure and server cabinet cooling systems where reliable heat dissipation is paramount. Its robust design makes it suitable for industrial automation equipment, including CNC machinery and power supply units that operate in continuous duty cycles. Additionally, the 7218N serves effectively in medical instrumentation and ventilation systems, providing consistent airflow to sensitive electronic components to prevent thermal throttling and ensure system longevity.

Supplemental Images

