

4118N/2H4 ebm-papst 48VDC 119x119x38mm 28W Axial Fan Datasheet



Brand: ebmpapst

SKU: 900417361380

Category: Axial & Centrifugal Fans

Price: **\$240.99**

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Product Page:

<https://www.equipspares.com/product/4118n-2h4-ebm-papst-48vdc-119x119x38mm-28w-axial-fan>

Product Description

The ebm-papst 4118N/2H4 is a robust DC Axial Fan engineered for critical industrial cooling applications requiring high airflow density and significant static pressure. This unit features a highly efficient DC motor integrated into a die-cast aluminum housing, ensuring exceptional structural rigidity and thermal management under heavy loads. The aerodynamic design of the fiberglass-reinforced plastic impeller minimizes turbulence while maximizing air throughput, effectively reducing thermal impedance in dense electronic enclosures. Equipped with a precision ball bearing system, the fan guarantees long-term reliability and consistent performance in continuous duty cycles. Its rugged construction makes it suitable for harsh environments where vibration resistance and durability are paramount.

Model Number: 4118N/2H4

Brand: ebm-papst

Product Type: DC Axial Fan

Rated Voltage: 48VDC

Voltage Range: 36.0 - 60.0 VDC

Rated Current: 0.58 A

Power Input: 28.0 W

Rated Speed: 6800 RPM

Bearing Type: Ball Bearing

Max. Air Flow: 153.0 CFM (260 m³/h)

Max. Static Pressure: 1.45 inH₂O (360 Pa)

Dimensions: 119 x 119 x 38 mm

Weight: 0.39 kg

Noise Level: 67 dB(A)

Housing Material: Die-cast Aluminum

Impeller Material: Fiberglass-reinforced PA Plastic (UL94V-0)

Operating Temperature: -20 to +65 °C

Life Expectancy: 57,500 hours (40°C)

Termination: 2 Wire Leads (AWG 22)

Direction of Rotation: Clockwise (viewed toward rotor)

Airflow Direction: Intake over struts

Protection: Reverse Polarity, Locked Rotor Protection

Approvals: VDE, CSA, UL, CE

The 4118N/2H4 is specifically deployed in high-performance computing environments, such as server racks and telecommunications base stations, where heat dissipation is critical. Its high static pressure capabilities make the 4118N/2H4 ideal for forcing air through restrictive filters and dense heat sinks found in industrial power supplies and medical diagnostic equipment. Furthermore, this model is frequently utilized in automation control cabinets and network switching gear to maintain optimal operating temperatures for sensitive electronic components.

Supplemental Images

